



AIRPORT
EXPANSION

*EIA
SCOPING
REPORT*

*VOLUME 3
APPENDICES*

MAY 2018

Heathrow

Heathrow Expansion

Competent experts involved in the Scoping Report



Appendix 1.1

Competent experts involved in the Scoping Report

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Competent experts involved in the Scoping Report



1. COMPETENT EXPERTS INVOLVED IN THE SCOPING REPORT

Table 1.1 Competent experts involved in the Scoping Report

Topic	Responsibility	Name of company	Qualifications / competencies of author
Introduction and Exec summary	Author (s)	Wood	BSc (Hons), C Env, MIEMA. Over 15 years of experience in EIA.
Policy	b. Main author	Quod	BSc, MSc, Associate member RTPI. Over 6 years of experience as a planning consultant.
The Project	b. Main author	Quod	BSc, MSc, Associate member RTPI. Over 6 years of experience as a planning consultant.
Alternatives	b. Main author	Quod	BSc, MSc, Associate member RTPI. Over 6 years of experience as a planning consultant.
Approach to assessment	b. Main author	Wood	BSc (Hons), C Env, MIEMA. Over 15 years of experience in EIA.
Air Quality	a. Technical reviewer	Air Quality Consultants	BSC, MSc. Over 20 years of experience in Air quality and EIA.
Air Quality	b. Main author	Wood	BSC, MSc. Over 10 years of experience in Air quality and EIA.
Biodiversity	a. Technical reviewer	Mott Macdonald	BSc (Hons), PhD Over 20 years of experience in ecological consultancy including Ecological Impact Assessment and Habitats Regulations Assessment.
Biodiversity	b. Main author	Wood	BSc (Hons), MSc, PhD Over 13 years of experience in ecological consultancy including Ecological Impact

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Topic	Responsibility	Name of company	Qualifications / competencies of author
			Assessment and Habitats Regulations Assessment.
Biodiversity	c. Sub-author/contributor	Mott Macdonald	BSc (Hons), MSc Over 10 years of experience in ecological consultancy including Ecological Impact Assessment and Habitats Regulations Assessment.
Carbon	a. Technical reviewer	Arup	BSc(Hons) in Environmental Science, MSc in Environmental Management and Technology, CEnv Chartered Environmentalist, 17 years of experience in Resource Flow Analysis and Carbon Footprinting.
Carbon	b. Main author	Mott Macdonald	BSc (Hons) in Biological Sciences (Environmental Biology), MSc in Environmental Management, CEnv Chartered Environmentalist, 10 years of experience in Carbon Footprinting and Sustainability.
Climate change	a. Technical reviewer	Wood	BSc Marine Geography, MSc (Distinction) Climate Change, PhD Civil Engineering (Climate Resilience), Certified Project Management Practitioner. 8 years' experience of climate resilience, climate policy and sustainability in academic, client and consultancy roles. Member of ISO14090. (Framework for adaptation to climate change) working group.
Climate change	b. Main author (from 3 April 2018)	Wood	BSc Marine Geography, MSc (Distinction) Climate Change, PhD Civil Engineering (Climate Resilience), Certified Project

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Topic	Responsibility	Name of company	Qualifications / competencies of author
			Management Practitioner. 8 years' experience of climate resilience, climate policy and sustainability in academic, client and consultancy roles. Member of ISO14090 (Framework for adaptation to climate change) working group.
Climate change	b. Main author (until 29 March 2018)	Arup	BA Geography, PGDip Environmental Decision Making, MSt Interdisciplinary Design for the Built Environment 17 years' experience of sustainability policy, research and consultancy specialising in climate change impacts and resilience assessments. Chartered Environmentalist (CEnv), Member of IEMA (MIEMA).
Climate change	c.Sub-author/contributor	Mott Macdonald	BA (Hons) Natural Sciences, MSc (distinction) Environmental Technology, Energy policy. 12 years' experience in environmental and energy consultancy. Specialising in climate change risk and resilience assessments, climate change adaptation and policy. Member of the Institution of Environmental Sciences
Climate change	c.Sub-author/contributor	Arup	BSc, MSc, PhD. Over 10 years of experience on climate change management.
Health	a. Technical reviewer	Ben Cave Associates	MSc Health Promotion Sciences, IEMA Fellow, Chief Executive of BCA Health

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Topic	Responsibility	Name of company	Qualifications / competencies of author
			consultancy, 15 years of experience in health impact assessment.
Health	b. Main author	Mott Macdonald	MSc EIA, Member of IEMA, 20 years of experience in impact assessment, specialising in social and HIA
Historic Environment	a. Technical reviewer	Wood	BSc. 35 years of experience in EIA.
Historic Environment	b. Main author	Wood	BA, MPhil, PhD (DPhil). 16 years of experience.
Land Quality	a. Technical reviewer	Wood	BSc, MSc, CGeol, FGS and SiLC. > 25 years of experience in environmental consulting covering the assessment and remediation of contaminated land, groundwater investigations, due diligence and auditing and geological assessments both in the UK and overseas.
Land Quality	b. Main author	Wood	MEarthSci, C.WEM, C.Env. > 12 years of experience in environmental consulting covering the assessment and remediation of contaminated land, environmental risk management and due diligence
Land Quality	c. Sub-author/contributor - Agricultural Soils	Wood	BSc (Hons), Member Geography Association for Geographic Information. 15 years of experience of countryside policy/planning and research work including assessing the effects of development proposals on land quality/agriculture/land use

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Topic	Responsibility	Name of company	Qualifications / competencies of author
Land Quality	c.Sub-author/contributor - Landfills	Wood	CEng CEnv CGeol. 35 years of experience in engineering and environmental consultancy with technical specialisms including landfill and waste infrastructure design, construction and operation, landfill regulation and PPC permitting
Land Quality	c.Sub-author/contributor- Contaminated Land	Wood	BSc(Hons), MSc, C.IOM3. >19 years' experience in geo-environmental consulting covering the assessment and remediation of contaminated land, environmental risk management and due diligence.
Land Quality	c.Sub-author/contributor- Minerals Safeguarding	Wood	C.MRTPI, C.MCIWM. 40 years in planning (local plans and development management), environmental impact assessment. Experience gained in local authorities and then in consultancy, Particular specialism in minerals and waste management planning.
Landscape & Visual	a. Technical reviewer	Mott Macdonald	Chartered Member of the Landscape Institute with over 25 years' experience of Landscape and Visual Impact Assessment for major infrastructure and development projects.
Landscape & Visual	b. Main author	Mott Macdonald	Chartered Member of the Landscape Institute, Registered EIA Practitioner, Member of the Institute of Environmental Management and Assessment, Member of the Institution of Environmental Sciences, Chartered Scientist

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Topic	Responsibility	Name of company	Qualifications / competencies of author
			and Chartered Environmentalist with 17 years' experience of Landscape and Visual Impact Assessment for major infrastructure and development projects.
Major Accidents and Disasters	a. Technical reviewer	Wood	Over 30 years of experience in Major Accident Risk Assessment Chartered Physicist through the InstP.
Major Accidents and Disasters	b. Main author	Wood	Over 20 years of experience in Major Accident Risk Assessment plus 10 years in Engineering Design and Project Management Chartered Engineer through the IChemE NEBOSH General Cert.
Major Accidents and Disasters	c. Sub-author/contributor	Wood	4 years of experience with Major Accident Risk Assessment Member of the Royal Society of Chemistry.
Noise & Vibration	a. Technical reviewer	Anderson Acoustics	BEng. Over 25 years of experience in noise management.
Noise & Vibration	b. Main author	Arup	BSc (Hons), FIOA. Over 28 years of experience in noise and vibration impact assessment and mitigation.
Noise & Vibration	c. Sub-author/contributor	Wood	BEng, EngD. CEng. MIOA, Over 15 years of experience in noise and vibration impact assessment and mitigation.
Noise & Vibration	c. Sub-author/contributor	Arup	BSc (Hons). PhD. MIOA. CPsychol. AFBPsS. FACE. Over 16 years of experience in the assessment of noise

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Topic	Responsibility	Name of company	Qualifications / competencies of author
			effects on health, wellbeing and learning.
Planning (Scheme Description)	a. Technical reviewer	Quod	BA, MA, MRTPI. Over 20 years of experience in planning and EIA.
Planning (Scheme Description)	b. Main author	Quod	BSc, MSc, Associate member RTPI. Over 6 years of experience as a planning consultant.
Socio-economics and community	a. Technical reviewer	Quod	Economist and Infrastructure Planning and Community specialist with nearly 25 years of experience. BSc (Hons), MA, FRSA.
Socio-economics and community	b. Main author	Quod	BSc(Hons) in Geography; MA in Planning & Sustainability. Ten years of experience in major infrastructure planning, impact assessment and engagement.
Transport	a. Technical reviewer	Mott Macdonald	BA. Over 10 years of experience in transport planning and assessment.
Transport	b. Main author	Mott Macdonald	BA (Hons, Transport Planning Professional, Member of Chartered Institute of Highways and Transportation. 9 years of experience on transportation inputs for planning, including DCO.
Water Environment	a. Technical reviewer	Wood	BSc, MRes, PhD. Over 15 years of experience in hydrological assessment/FRA.
Water Environment	b. Main author	Wood	BSc, MSc, PhD. Over 10 years of experience in water EIA, specialism in hydroecology.
Water Environment	b. Main author	Wood	MSci, MSc, PG Cert. Over 15 years of experience in water EIA.



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Topic	Responsibility	Name of company	Qualifications / competencies of author
Water Environment	c.Sub-author/contributor	Wood	BSc. Over 15 years of experience in water EIA/FRA.
Water Environment	c.Sub-author/contributor	Wood	BSc, MSc. Over 10 years of experience in hydrogeological assessment.



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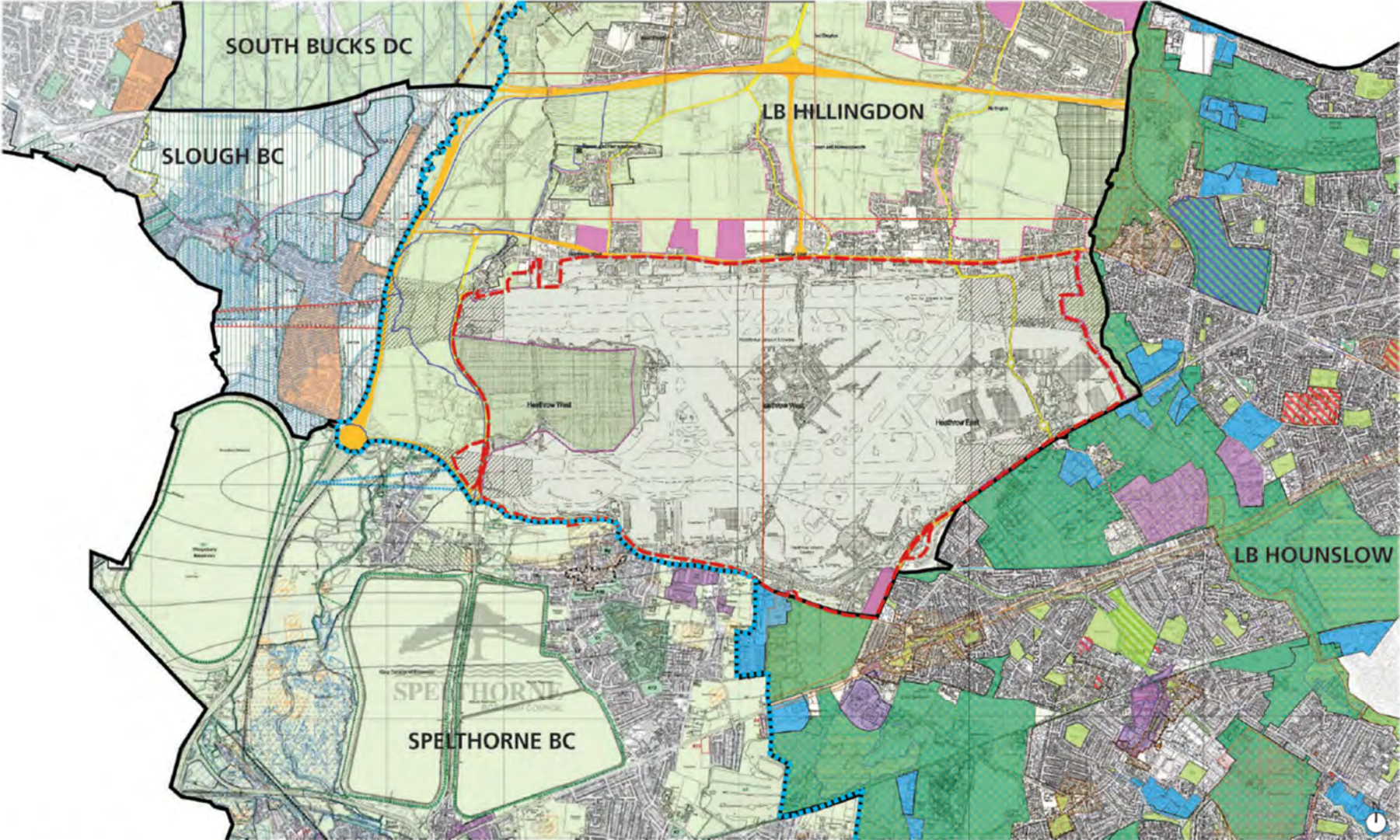
Appendix 1.2 Adopted local planning authority policies

Appendix 1.2 Adopted local planning authority policies



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Appendix 1.2 Adopted local planning authority policies



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Appendix 1.2 Adopted local planning authority policies

Keys

- Current Heathrow Boundary
- The London Plan (Mar 2016)
- Heathrow Opportunity Area

Sloth Local Development Framework (Feb 2010)

Plan Boundary	Conservation Areas
Existing Business Areas	Linear Park
Shopping Centres	Local Nature Reserves
Slough Old Town Area	Cotswold Regional Park
Residential Areas of Exceptional Character	Strategic Gap
Public Open Space / Amenities	Local Plan Proposal Site
Green Belt	Site Specific Allocation
World Heritage (Local Wildlife Site)	Selected Key Location
Area Liable to Flood	Major Developed Sites in Green Belt
Ancient Monuments	Training Estate / Stripped Planning Zone
Town Centre Area	Public Safety Zone
	Historic Parks and Gardens

South Bucks District Development Plan (2011)

Saved South Bucks Local Plan Policies	Core Strategy Policies	Saved Bucks Minerals and Waste Local Plan Policies
Green Belt GB1, GB2, GB4, GB7, GB9-GB11, GB13, 99, R19, T2	Opportunity Site (WDS Boundary) CP14, CP15, CP16	Preferred Areas for Sand and Gravel Extraction (Operational) (Policy 3)
Green Belt Settlement GB3, GB5, GB12	Area of Outstanding Natural Beauty CP9	Safeguarded Multi-Modal Facility (Policy 11)
Conservation Area C1	National Nature Reserve Burnham Beeches SAC CP9	Safeguarded Aggregate Rail Depot Site (Policy 7)
Local Geological Site C15 (formerly Regionally Important Geological Site)	Local Wildlife Site CP9	Land excluded from the Mineral Consultation Area (Policy 1)
Housing Allocation H2	Biodiversity Opportunity Area CP9	
Housing Allocation H2 - development completed as at 31st March 2010	Ancient Woodland CP9	
Residential Area of Exceptional Character H10	Scheduled Ancient Monument CP9	
Local Shopping Centre S2	Site of Special Scientific Interest CP9	
Pinnerood Station E2	Historic Park or Garden CP9	
West Drayton to Poplar Railway Line TR12	Cotswold Valley Park CP9	
Blue Thames Setting L4	Local Nature Reserve CP9	

Spelthorne Local Plan (Dec 2001)

Plan Area boundary (incursions outside this area are shown for information only)	Plotland Areas (Policy EN2 applies)
Green Belt (Saved Local Plan Policy GB1 applies)	Conservation Areas (Policy EN6 applies)
Flood Risk Areas - Zone 3a, Zone 3, Zone 2 (Policy LD1 applies)	Common Land (Policy EN5 applies)
Flood Risk Zone 3a (1 in 20 Year)	Sites of Special Scientific Interest (Policy EN8 applies)
Flood Risk Zone 3 (1 in 100 Year)	Special Protection Areas and Ramsar Sites (Policy EN8 applies)
Flood Risk Zone 2 (1 in 1000 Year)	Sites of Nature Conservation Importance (Saved Local Plan Policies RU11, RU14 and Appendix 2 apply)
<p>(This map shows flood risk areas based on information supplied by the Environment Agency from their Lower Thames Flood Risk Mapping Study, February 2005 for Zone 3a and Zone 3a flood risk areas, and its Flood Map for England and Wales, December 2004 for Zone 2. The Council will always use the latest published information as a material consideration in determining planning applications.)</p>	Scheduled Ancient Monuments (Saved Local Plan Policy BE24 and Appendix 5 apply)
Employment Areas (Policy EM1 applies)	Sites and Areas of High Archaeological Potential (Saved Local Plan Policy BE25 and Appendix 5 apply)
Shopping Area Boundaries (Policies TC2 and TC3 apply). In the Sharnes shopping area referred to in Policy TC2, the letter A denotes the primary shopping area and the letter B the secondary shopping area.	Sites and Monuments of County Archaeological Importance (Saved Local Plan Policy BE24 and Appendix 5 apply)
Safeguarded Route of Airlink (Policy CC4 applies)	Noise Contours (Policy EN11 applies)(These contours are reviewed regularly by the Civil Aviation Authority and the Council will always use the latest published contours as a material consideration in determining planning applications)
Protected Urban Open Space (Policy EM4 and Appendix 1 apply)	Public Safety Zone (Policy EN14 applies)
	Waste Proposal Sites (Survey Waste Plan Policies WD2 and WD5 apply)
	Allocations (nos A1 - A6 and A7 - A11)

Hounslow Local Plan (OCT 2017)

Site Allocations	Neighbourhood Centres
Education	Outside Town Centre Boundaries
Employment	Large Centre Primary
Heritage Asset	Frontage
Housing	Large Centre Secondary
Leisure	Frontage
Minerals	
Mixed use	
Town Centres	Economic Development
Primary Shopping	Preferred Industrial Locations
Frontage	Industrial Business Parks
Secondary Shopping	Key Existing Office Locations
Frontages	Locally Significant Industrial Sites
Small Neighbourhood Centres	
Primary Shopping Area	Green & Blue Infrastructure
Town Centres	Metropolitan Green Belt
Boundary	Local Open Space
	Metropolitan Open Land
Sites of Archaeological Importance	Special Protection Areas
Advert Special Control Areas	Sites of Importance for Nature Conservation (SINCs)
Conservation Areas	Local Nature Reserves
Historic Parks and Gardens	Sites of Special Scientific Interest (SSSIs)
Areas of Special Character	Waterways
	Thames policy Area
Listed Buildings	
Grade 1	
Grade 2	
Grade 2 Star	
Locally Listed Building	

Hillingdon Local Plan - Revised proposed submission version (Oct 2015)

Green Belt	Local Distributor Road
Metropolitan Open Land	Road Safeguarding Lines
Area Fostering Links in Green Chain	Grand Union Canal (also Nature Conservation Site of Metropolitan Importance)
Conservation Areas	Heathrow Airport Boundary
Countryside Conservation Area	Public Safety Zone
Site for Dysplasia	Comprehensive Rehabilitation Area
Areas of Special Local Character	Ancient Monument
Nature Conservation Sites of Metropolitan or Borough Grade I Importance	Archaeological Priority Areas
Nature Conservation Sites of Borough Grade II or Local Importance	Site Specific Proposals
Nature Reserve	National Nature Reserve
Eastern Boundary of Cotswold Valley Park	Area of Open Character (RAF Northol)
Areas of Environmental Opportunity	Sites of Special Scientific Interest
Industrial and Business Areas	Proposed Production Priority Area
Town Centres	Primary Shopping Area
Local Centres	Secondary Shopping Area
Strategic Routes	Existing Pedestrian Area
London Distributor Roads	



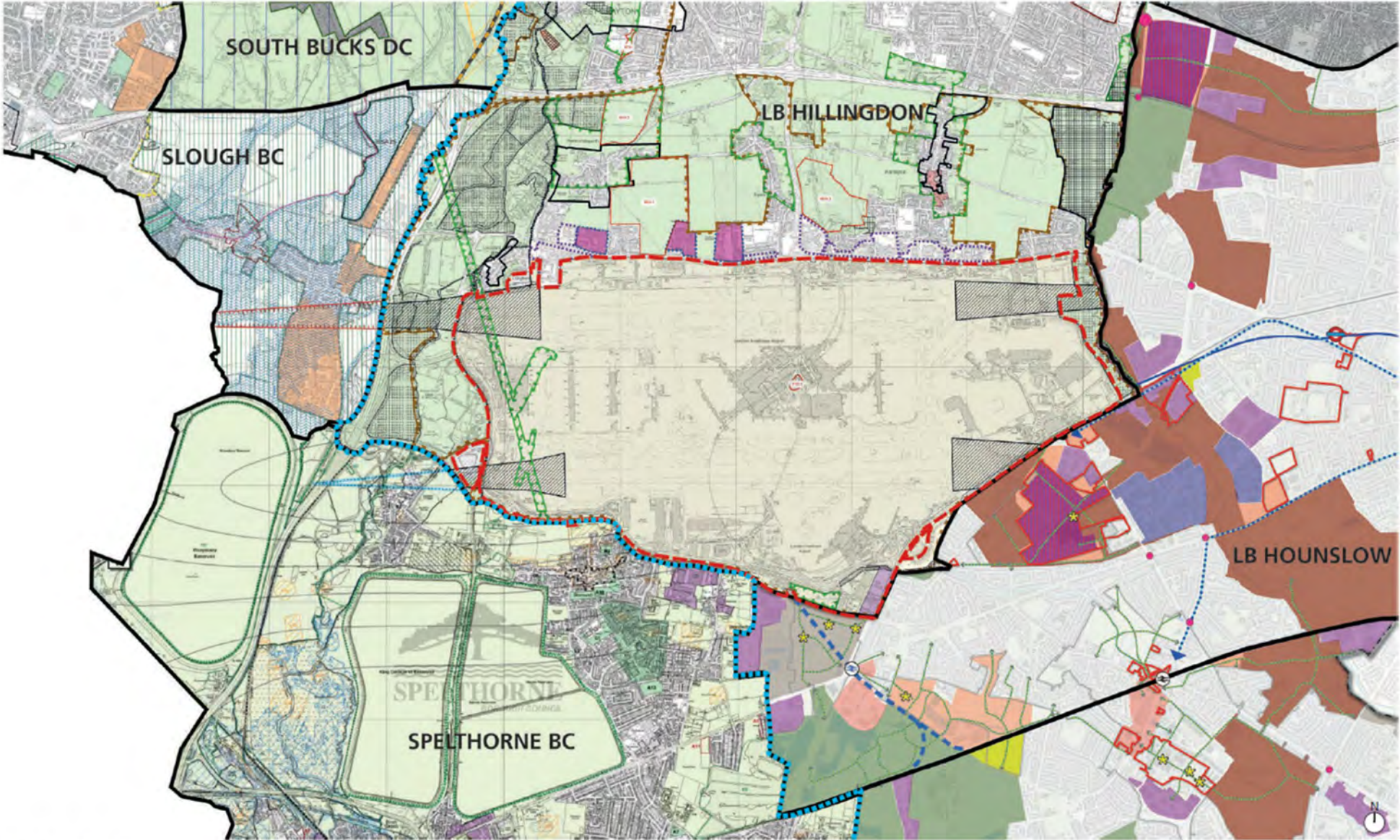
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Appendix 1.3 Draft and emerging local planning authority policies

Appendix 1.3

Draft and emerging local planning authority policies

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Draft and emerging local planning authority policies



Key on the next page



Heathrow Expansion Draft and emerging local planning authority policies

Keys

- Current Heathrow Boundary
- The London Plan (Mar 2016)
- Heathrow Opportunity Area

Slogh Local Development Framework (Feb 2010)

Plan Boundary	Combination Areas
Existing Business Areas	Linear Park
Breeding Centres	Local Nature Reserves
Slogh Old Town Area	Colne Valley Regional Park
Residential Areas of Exceptional Character	Strategic Corridor
Public Open Space / Almonds	Local Plan Proposal Site
Green Belt	Site Specific Allocation
Wildlife Heritage (Local Wildlife Sites)	Selected Key Locations
Areas Liable to Flood	Major Developed Sites in Green Belt
Ancient Monuments	Training Estate / Unpublished Planning Zone
Town Centre Area	Public Safety Zone
	Historic Parks and Gardens

South Bucks District Development Plan (2011)

Saved South Bucks Local Plan Policies	Core Strategy Policies	Saved Bucks Minerals and Waste Local Plan Policies
Green Belt	Opportunity Site (M25 Boundary)	Protected Areas for Sand and Gravel Extraction (Opportunity)
Green Belt Settlement	Area of Outstanding Natural Beauty	Safeguarded Multi-Modal Facility
Conservation Area	National Nature Reserve	Safeguarded Aggregate Rail Depot Site
Local Geological Site	Local Wildlife Site	Land excluded from the Mineral Conservation Area
Housing Allocation	Biodiversity Opportunity Area	
Housing Allocation H2 - development completed in or at 31st March 2010	Ancient Woodland	
Residential Area of Exceptional Character	Scheduled Ancient Monument	
Local Shopping Centre	Site of Special Scientific Interest	
Pinewood Studios	Historic Park or Garden	
West Drayton to Preyke Railway Line	Colne Valley Park	
River Thames Setting	Local Nature Reserve	

Spelthorne Local Plan (Dec 2001)

Plan Area boundary (notations outside this area are shown for information only)	Sites of Nature Conservation Importance (Saved Local Plan Policies RE11, RU14 and Appendix 2 apply)
Green Belt (Saved Local Plan Policy GB1 applies)	Scheduled Ancient Monuments (Saved Local Plan Policy BE21 and Appendix 5 apply)
Flood Risk Areas - Zone 3b, Zone 3, Zone 2 (Policy LO1 applies)	Sites and Areas of High Archaeological Potential (Saved Local Plan Policy BE25 and Appendix 5 apply)
Flood Risk Zone 3b (1 in 20 Year)	Sites and Monuments of County Archaeological Importance (Saved Local Plan Policy DE3A and Appendix 5 apply)
Flood Risk Zone 3 (1 in 100 Year)	Noise Contours (Policy EN11 applies) (These contours are reviewed regularly by the Civil Aviation Authority and the Council will always use the latest published contours as a material consideration in determining planning applications)
Flood Risk Zone 2 (1 in 1000 Year)	Public Safety Zone (Policy EN14 applies)
<p>(This map shows flood risk areas based on information supplied by the Environment Agency from their Linear Features Flood Risk Mapping Study, February 2005 for Zone 3b and Zone 3a flood risk areas, and its Flood Map for England and Wales, December 2004 for Zone 2. The Council will always use the latest published information as a material consideration in determining planning applications.)</p>	Waste Proposal Sites (Burry Waste Plan Policies W02 and W03 apply)
Employment Areas (Policy EM1 applies)	Allocations (see A1 - A5 and A7 - A11)
Shopping Area Boundaries (Policies TC2 and TC3 apply). In the Status shopping area referred to in Policy TC2, the letter 'A' denotes the primary shopping area and the letter 'B' the secondary shopping area.	
Safeguarded Route of Access (Policy CC4 applies)	
Protected Urban Open Space (Policy SM4 and Appendix 1 apply)	
Wetland Areas (Policy EN2 applies)	
Conservation Areas (Policy EN3 applies)	
Common Land (Policy EN6 applies)	
Sites of Special Scientific Interest (Policy EN8 applies)	
Special Protection Areas and Ramsar Sites (Policy EN8 applies)	

Hounslow Local Plan (OCT 2017)

London Borough of Hounslow boundary	West of Borough study area
Places Policies	London Heathrow Airport
Piccadilly Underground line	National Railway line and Station
New Railway line link and Station	New Overground link
M4 Motorway	Junction improvement
Proposed extension to Cycle Superhighway 9	
LBH Land Use Designation	
Key Existing Office Location	
SIL Strategic Industrial Location (PIL Preferred Industrial Location)	
LSIS Locally Significant Industrial Site	
Proposed LSIS Locally Significant Industrial Site	
Metropolitan Green Belt	
Metropolitan Green Belt proposed for re-designation as:	
De-designated to Metropolitan Open Land	
De-designated to development land	
De-designated to Local Open Space	
De-designated to Safeguarded	
Site Allocation	
New public space	
Pedestrian/cycle route	

Hillingdon Local Plan - Revised proposed submission version (Oct 2015)

Aggregate Processing and Recycling Location	Registered Park and Gardens
Areas forming links in Green Chains	Road Safeguarding
Areas of Special Local Character	Scheduled Ancient Monuments
Air Quality Management Area	Site Allocations, Minerals and Transport Designations
Colne Valley Park	Sites of Special Scientific Interest
Conservation Areas	Archaeological Priority Areas
Grand Union Canal	Archaeological Priority Zones
Green Belt	Site for Gypsies and Travellers
Heathrow Boundary	Extension within existing Gypsies and Travellers site
Metropolitan Open Land	Town Centres
National Nature Reserve	Local Centres
Nature Reserve	
Nature Conservation Sites of Metropolitan or Borough Grade I Importance	
Nature Conservation Sites of Borough Grade II or Local Importance	
Not within London Borough of Hillingdon	
Hotel Growth Location	
Office Growth Location	
Hotel and Office Growth Location	
Locally Significant Employment Location	
Locally Significant Industrial Site	
Strategic Industrial Location	



Appendix 4.1: Waste Impact Assessment Methodology



1. WASTE IMPACT ASSESSMENT METHODOLOGY

1.1 Introduction

1.1.1 The revised draft Airports National Policy Statement (revised draft ANPS) sets out a need to consider how the DCO Project would affect existing waste management infrastructure in the locality. Specifically, paragraph 5.1 39 which stipulates that:

'The applicant should set out the arrangements that are proposed for managing any waste produced in the application for development consent. The arrangements described should include information on the proposed waste recovery and disposal system for all waste generated by the development. The applicant should seek to minimise the volume of waste sent for disposal unless it can be demonstrated that the alternative is the best overall environmental, social and economic outcome when considered over the whole lifetime of the project'

1.1.2 Furthermore, paragraph 5.143 of revised draft ANPS states:

'...The Secretary of State should be satisfied that the process set out provides assurance that:

The waste from the proposed development can be dealt with appropriately by the waste infrastructure which is, or is likely to be available. Such waste arising should not have an adverse effect on the capacity of existing waste management facilities to deal with other waste arising in the area...'

Document structure

1.1.3 This document solely addresses how the assessment of effects on existing waste management facilities from construction and operation waste arisings from the DCO Project will be undertaken.

1.1.4 The assessment is described under the following sub-headings:

1. Scope of assessment – outlines the spatial and temporal scope for the assessment
2. Baseline – outlines the data sources that will be used to determine a baseline for construction and operations waste
3. Waste forecasting – outlines how waste forecasting will be undertaken to estimate waste quantities and volumes for construction and operation waste
4. Assessment methodology – outlines how the assessment of effects will be undertaken in consideration of proposed significance criteria



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Waste Impact Assessment Methodology

5. Assumptions and limitations – outlines assumptions and limitations relevant to the assessment.

- 1.1.5 A separate Resources Management Plan will detail the overall approach to resource management in construction and operations, covering waste, energy and water.

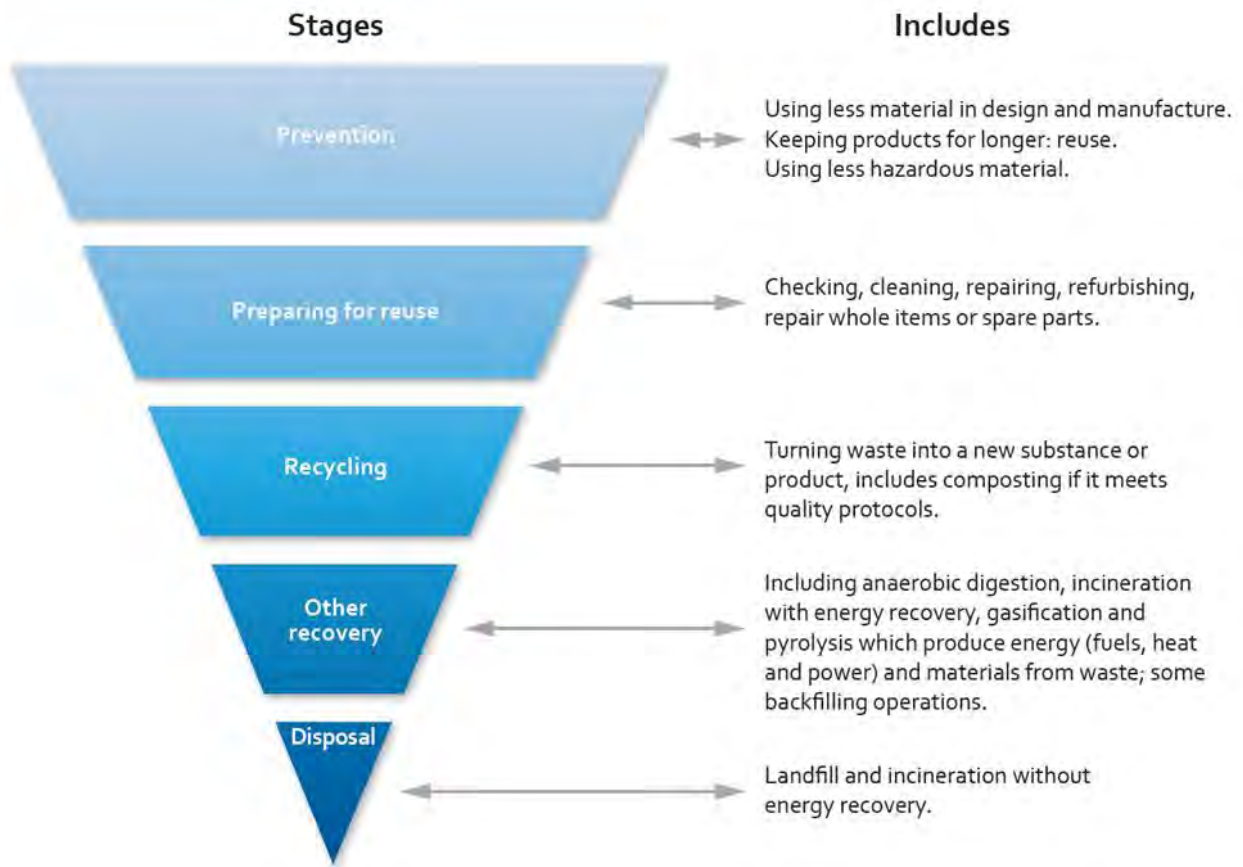
1.2 Scope of assessment

Overview

- 1.2.1 The principal objective of sustainable waste and material resource management is to use material resources more efficiently, thereby preventing and reducing the amount of waste generated. Application of these principles should minimise the quantity of waste that requires final disposal.
- 1.2.2 Where waste is generated, it will be dealt with in line with the waste hierarchy (see example in Graphic 1.4.1). The waste hierarchy describes a priority order for the management of waste, is a guide to sustainable waste and material resource management, and accords with article 4 of the Revised EU Waste Framework Directive ((2008/98/EC) and related UK legislation in the Waste (England and Wales) Regulations 2011. It advocates the use of disposal only as a last resort, due to the loss of finite resources and the range of potential adverse environmental effects associated with its use, such as loss of valuable land resources, greenhouse gas (GHG) emissions, and nuisance effects (e.g. dust and odour emissions).



Graphic 1.4.1: The Waste Hierarchy



1.2.3 ¹The consideration of material resources maximises the beneficial reuse of materials arising from the construction of the DCO Project (e.g. excavated material). Only if excavated material is not required or is unsuitable for the construction of the DCO Project will it become waste requiring off-site disposal.

1.2.4 Circular economy principles will be incorporated (aligning with the principles of EU Action Plan for the Circular Economy²), where practicable, to prevent waste generation and extracting the maximum value from assets, products and materials whilst in use, then recovering/regenerating products and materials at the end of each service life.

1.2.5 The assessment of the effects that the DCO Project will have on the locality's waste management infrastructure, relates to the construction and operation phase of the DCO Project.

¹ Department for Environment, Food and Rural Affairs (Defra), 2011, Government Review of Waste Policy in England 2011; see https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/69401/pb13540-waste-policy-review110614.pdf [Accessed 26/06/2017]

² http://eur-lex.europa.eu/resource.html?uri=cellar:8a8ef5e8-99a0-11e5-b3b7-01aa75ed71a1.0012.02/DOC_1&format=PDF [Accessed 26/06/2017]



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- 1.2.6 The following types of non-hazardous and hazardous waste³ to be generated by construction of the DCO Project will be considered in the assessment:
1. Excavation wastes
 2. Demolition wastes
 3. Construction wastes
 4. Worker accommodation site waste.
- 1.2.7 In terms of the operational phase of the DCO Project, the following types of waste shall be considered in the assessment:
1. Aircraft cabin and in-flight catering waste (to include Category 1 international catering waste (ICW))
 2. Waste generated at the terminal buildings
 3. Airline operations waste
 4. Waste from airport-related development.
- 1.2.8 It is anticipated that the vast majority of the operational waste generated by the DCO Project will be of a non-hazardous nature (also known as household, industrial and commercial (HIC) waste). It will include fractions such as dry recyclables, organic waste (food and green⁴), litter and sweepings, and mixed residual wastes.
- 1.2.9 The likely significant environmental effects of solid waste management associated with the DCO Project will be assessed with respect to the construction and operation phases. These effects may be beneficial or adverse depending on the measures employed to prevent and/or manage waste generated.

Spatial scope

- 1.2.10 For the construction phase, waste and material resources shall be assessed based on the boundary of the DCO Project having regard to the South East and London regional areas (i.e. former regional planning jurisdictions) in which the DCO Project is located and local administrative areas (i.e. counties or unitary authorities) within that regional area. The former is relevant with respect to historical methods of waste infrastructure planning and capacity reporting, and also reflects the regional nature of disposal facilities for construction and demolition wastes.

³ This excludes any materials that could be re-used from e.g. demolition which may have been removed from the Construction Demolition and Excavation (CDE) outputs.

⁴ Green waste is biodegradable waste composed of garden waste, such as grass and trimmings. Green waste contains **no** food waste.



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Waste Impact Assessment Methodology

- 1.2.11 For the operational phase, however, it is proposed to adopt a more refined spatial scope. The reasons for this relate specifically to the predominant types of waste that will be generated during the operational phase of the DCO Project and the present known geographical pattern of disposal of similar waste arisings.
- 1.2.12 As noted above, the focus of the operational waste assessment will be on the management of non-hazardous waste arisings. At present, all such arisings from Heathrow are managed at the Lakeside Waste Management Facilities, near Slough. This facility is located very close to Heathrow airport and the energy from waste (EfW) facility is known to manage waste from across the London and South East regions. It is considered reasonable to assume that the catchment from which the EfW draws its non-hazardous waste represents a catchment that Heathrow could reasonably be expected to send its operational waste to. It is also considered that those Waste Planning Authorities that are within 30 minutes' drive time of the DCO Project should be included in the spatial scope of the assessment. This drive time is (professional judgement to encompass neighbouring authorities, and represents a reasonable one hour return journey time – a typical maximum distance that non-hazardous waste would travel via the road network for final disposal).
- 1.2.13 With these two determining factors in mind, it is proposed that the spatial scope of the operational waste assessment will cover:
1. Berkshire (Bracknell, Reading, Windsor and Maidenhead, Slough, West Berkshire and Maidenhead)
 2. West London (Brent, Ealing, Hounslow, Harrow, Hillingdon and Richmond)
 3. Surrey
 4. South London (Croydon, Kingston, Merton and Sutton)
 5. Buckinghamshire.

Temporal scope

- 1.2.14 The temporal scope of the construction waste assessment shall be:
1. Baseline year – for most recent year where publicly available data relating to existing waste arisings and disposals are available (presently 2016)
 2. Future baseline – full year of operations prior to opening of third runway
 3. Construction years – to account for construction phasing impacts.
- 1.2.15 The temporal scope of the operational waste assessment will be based upon a series of defined points in time. These may include:



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1. Baseline year – for most recent year where publicly available data relating to existing waste arisings and disposals are available (presently 2016)
2. Future baseline – full year of operations prior to opening of third runway
3. Year of opening
4. Year of maximum environmental effects – taken to be year of maximum Air Traffic Movements (ATM) capacity (as ATMs have the largest influence on waste arisings).

Construction effects

- 1.2.16 Construction effects will address the permanent, indirect impacts of solid waste that will be generated by earthworks, demolition and construction activities and that will require off-site disposal during the proposed construction period. The scope of the assessment of construction effects will also include, if appropriate, waste generation and its off-site disposal to landfill associated with worker accommodation sites during the same time period. Demolition materials will be generated as a result of site clearance works and from the demolition of buildings and other structures currently in existence within the application red line boundary of the DCO Project. Natural, uncontaminated and contaminated excavated material is likely to be generated as a result of construction of the DCO Project.
- 1.2.17 The assessment of contaminated soils and materials will be addressed in **Chapter 14: Land quality**. The quantity and type of waste likely to be generated from contaminated land after remedial measures have been applied will be determined and the impacts and effects considered in this assessment.
- 1.2.18 Excavated material that can be used in its natural state for site engineering and restoration purposes will be excluded from the construction assessment. This is in accordance with the scope of the EU Waste Framework Directive and should reflect the measures taken during the design phase to prevent waste⁵. It is also assumed that such materials will meet the requirements of the CL:AIRE Definition of Waste: Development Industry Code of Practice⁶. This industry code of practice has been developed to enable the transfer or reuse of excavated material and provides a framework for proactively managing contaminated materials on the sites of production or their movement between sites.

⁵ The scope of Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives excludes 'uncontaminated soil and other naturally occurring material excavated in the course of construction activities where it is certain that the material will be used for the purposes of construction in its natural state on the site from which it was excavated'

⁶ Contaminated Land: Applications in Real Environments (CL:AIRE), 2011, The Definition of Waste: Development Industry Code of Practice, CL:AIRE.



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Operational effects

- 1.2.19 Operational effects will address the permanent, indirect impacts of solid waste that will be generated by the day to day operation of the DCO Project. The assessment will consider the types of non-hazardous waste that will be generated by the DCO Project and will evaluate the effect that the management of that waste will have on the existing and planned network of waste management infrastructure in the locality. Specifically, the assessment will consider the ability (or otherwise) of prevailing waste management infrastructure to accommodate the DCO Project.
- 1.2.20 The effects of managing waste in a particular manner e.g. onsite waste transfer stations, will not be considered in this assessment, and are covered within **Chapter 5: Air quality and odour**, **Chapter 16: Noise and vibration** and **Chapter 17: Traffic and transport**. Rather the focus of this assessment will be on the capability of the existing and planned network of waste facilities to accommodate the DCO Project.

1.3 Baseline

- 1.3.1 The approach for the establishment of a baseline for the assessment is outlined in the following sub-headings.

Data sources

- 1.3.2 Information on the availability of waste management infrastructure will be identified through baseline data gathering from published sources of information and in consultation with the relevant Waste Disposal Authorities. Sources of information that will be used to provide this information include, but will not be limited to:
1. Defra waste and recycling statistics⁷
 2. Department of Energy and Climate Change Renewable Energy Statistics (RESTATS) online database⁸
 3. Environment Agency waste data and information⁹
 4. Various waste disposal authority Waste and Minerals Development Plan Documents.
- 1.3.3 Waste and minerals plans, together with any relevant supporting evidence and up to date waste capacity information held by the Environment Agency, will be used

⁷ Department for Environment, Food and Rural Affairs (Defra); Statistics; Environment and wildlife statistics; Waste and recycling; see www.defra.gov.uk/statistics/environment/waste/; Accessed 26 June 2017.

⁸ Department of Energy and Climate Change; Planning Database; Renewables Map; see <http://restats.decc.gov.uk/app/pub/map/map/> [accessed 28/3/2018]

⁹ Environment Agency; Planning & Research; Our library; Data & statistics; Waste data and information; www.environment-agency.gov.uk/research/library/data/34169.aspx [accessed 28/3/2018]



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to indicate where and how much relevant waste management capacity and landfill void space is likely to be available in the assessment years. This information will be used to assess whether or not there is likely to be a shortfall of suitable waste management capacity.

Construction phase

- 1.3.4 A baseline will be developed for waste and material resources as part of the Preliminary Environmental Impact Report (PEIR). Baseline conditions will be identified with respect to:
1. Types, quantities and management of construction, demolition and excavation waste arisings generated in England and within the former regional planning jurisdiction in which the DCO Project is located and each of the local administrative areas within the former South East regional planning jurisdiction
 2. Availability (types and capacity) of waste infrastructure within the former regional planning jurisdiction in which the DCO Project is located.

Operational phase

- 1.3.5 Baseline conditions will be identified with respect to:
1. Types (non-hazardous household, industrial and commercial (HIC) waste) and quantities (in tonnes) of waste arising in the defined catchment area. Data to be presented on a Waste Planning Authority basis
 2. Present pattern of waste disposals. Data will be presented on a Waste Planning Authority basis and examine the quantities and types of waste that are despatched for specific types of waste treatment and management
 3. Existing waste management capacity. Data will be presented on a Waste Planning Authority basis and examine the quantity and type of disposal capacity for each type of waste stream (HIC).

1.4 Waste forecasting

- 1.4.1 Waste forecasting will be undertaken to estimate waste arisings for the construction and operation of the DCO Project, and to inform potential effects on existing waste facilities. The approach to waste forecasting is outlined in the following sub-headings.



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Construction phase

Excavated material

- 1.4.2 Excavated material will be generated from earthworks associated with the construction of the DCO Project (e.g. preparatory works, foundations and retaining structures, drainage network). The aim is to reuse excavated materials in the DCO Project as close to the point of excavation as practicable.
- 1.4.3 The determined volume of excavated material to be generated will be converted to mass using a density conversion factor, appropriate to the nature of materials

Demolition waste

- 1.4.4 Demolition waste will be generated by the removal of existing buildings, structures and infrastructure elements such as bridges, roads and utilities.
- 1.4.5 The quantity of waste (in tonnes) that will be generated by specified demolition activities within the application red line boundary of the DCO Project will be forecast using the 'Net Waste Tool – Demolition Bill of Quantities Estimator'¹⁰ that uses basic dimensions and typology of buildings to forecast waste arisings. At a later stage of the DCO Project as further detailed demolition information becomes available, these estimates will be refined.
- 1.4.6 It is acknowledged that the Net Waste Tool has limitations, as it contains data that has not been refreshed for some years, and WRAP are no longer providing supporting resources¹¹. However it remains best practice as a repository for industry data to forecast construction waste arisings and no comparable alternative is currently available. The tool is still accessible for users, and excel based versions will be used as back-up in the event the web-site becomes inaccessible.

Construction waste

- 1.4.7 Waste will be generated by the construction of the various components of the DCO Project. The waste generation rate will be derived from industry-wide benchmark performance data from the Building Research Establishment (BRE) SMARTWaste tool¹².
- 1.4.8 For the airfield a waste generation rate of 2.59 tonnes/£100k is to be used. This is based on a volumetric benchmark of 8.1m³/£100,000 for airport civil engineering

¹⁰ <http://nwtool.wrap.org.uk/> [accessed 14/03/18]

¹¹ <http://nwtool.wrap.org.uk/ToolHome.aspx>

¹² <http://www.smartwaste.co.uk/> [accessed 14/03/18].



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works to which a material density conversion factor¹³ has been applied. The material density conversion factor applied reflects the composition of the waste, as recorded in the volumetric benchmarking dataset.

- 1.4.9 For the terminal, airport supporting facilities, displaced uses and airport related development that forms part of the DCO Project, a waste generation rate of 20.13 tonnes/£100k is to be used. This is an average of the waste generation rates for commercial (office and retail) buildings and public buildings found in BRE SMARTWaste New Build database¹⁴. These building types have been chosen as they are likely to be the predominant types in the DCO Project.
- 1.4.10 To forecast waste arisings it will be necessary to apportion the capital cost between the various components of the DCO Project.

Workers accommodation site waste

- 1.4.11 The quantity of waste (in tonnes) that will be generated at worker accommodation sites within the application red line boundary of the DCO Project will be forecast using a waste generation rate of 0.027 tonnes/person/month. This waste generation rate is derived from the average annual household waste generation in the UK of 407kg/person in 2015¹⁵ and has been adjusted assuming an average 5.5-day working week.

Waste to off-site landfill

- 1.4.12 In quantifying waste arisings to off-site landfill, evidence-based assumptions will be applied for construction, demolition and worker site accommodation.
- 1.4.13 There are a number of historic landfills within the DCO Project boundary which will be affected by the development, but their impact on off-site disposal requirement is subject to further work. The preference in the design of the DCO Project is that all excavated landfill material would be re-deposited in a purpose built landfill within the red line boundary. As this is, effectively, on-site landfill it would fall outside the scope of this assessment with regard to loss of third party landfill void. The assessment of on-site landfills will be addressed in **Chapter 14: Land quality**. However, if any excavated landfilled waste did need to be sent to third party landfill then it will be included in the scope of this assessment.

¹³ Construction (mixed) from WRAP (2014); see www.wrap.org.uk/content/waste-conversion-factors-wrap-construction-tools [accessed 14/03/18]

¹⁴ Average derived from smartwaste tool; Commercial office 18.4 tn/£100k; Commercial retail 13.8 tn/£100k; Public buildings 28.2 tn/£100k

¹⁵

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/607416/Digest_of_Waste_and_Resource_Statistics_2017_rev.pdf [accessed 14/03/18]



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- 1.4.14 The quantity of any excavated material requiring disposal (surplus excavated material) will be derived from the cut and fill balance for the DCO Project.
- 1.4.15 For forecasting purposes it will be assumed that 100% of any hazardous waste arisings will require off-site disposal to a hazardous waste landfill. Whilst it is recognised that some hazardous materials may be treated further up the waste hierarchy (i.e. via specialist hazardous waste treatment facilities), 100% landfill is assumed as it represents the worst case scenario. This assumption may be refined as the results of intrusive surveys become available.
- 1.4.16 Following this, the total quantity of waste requiring off-site disposal to off-site landfill during the construction period will be assessed using the significance criteria detailed in Section 1.3.40.

Operational phase

- 1.4.17 Data on future arisings from airport operations will be based on actual historic data, factored for the increase in annual passengers. The amount of waste associated with airport related development will be based on metrics from national and regional commercial and industrial waste surveys, factored in proportion to the amount of new passenger demand predicted for the DCO Project.
- 1.4.18 The quantity of waste requiring the various forms of treatment and disposal will be determined from modelling, based on current performance, industry best practice and reflecting the long-term goals of the airport to be zero waste and support the circular economy.

1.5 Assessment methodology

- 1.5.1 There is no recognised methodology or waste significance criteria to assess the likely significant environmental effects of solid waste generation from construction or operations phases of development. The proposed assessment methodology is, therefore, based on professional judgement and experience with the application of EIA to other large scale transport infrastructure projects.
- 1.5.2 The assessment will consider the types and quantities of solid waste that will be generated during construction and operation, and the likely significant environmental effects that may arise from the quantity of waste requiring management and/or disposal to landfill (this being the least preferred waste management option, with a finite capacity). The assessment will consider waste arisings and waste infrastructure capacity in the regional area in which the DCO Project is located.



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- 1.5.3 The assessment will consider relevant waste management legislation, policies and guidance applicable to airports and all buildings and infrastructure components associated with the DCO Project.
- 1.5.4 The assessment will identify the types and quantities of solid waste forecast to be generated during each of the demolition, excavation and construction stages of the DCO Project, as well as at identified points during the operation of the DCO Project. It will also identify types and quantities of waste forecast to be generated by occupants of any worker accommodation sites during the overall construction programme. Moreover, the assessment will consider how waste arisings during the operational period of the DCO Project are forecast to change. Quantification will be on the basis of survey information, using published waste generation rates and/or forecasting tools such as the WRAP Net Waste Tool¹⁶.
- 1.5.5 For construction waste, assumptions regarding the type and quantity of waste to be diverted from landfill via on-site reuse, recycling and recovery will be applied. Following this, the type and quantity of demolition materials, excavated material, construction materials and worker accommodation site waste requiring off-site disposal to landfills will be assessed in relation to the projected quantity of landfill disposal capacity in the designated regional area throughout the proposed construction period.
- 1.5.6 For operational waste, assumptions will also be made on the effect that waste reduction strategies and the successful implementation of recycling targets will have on the overall amounts of residual operational waste requiring management. Importantly, the assessment will be based on the effects that the management of operational waste from the DCO Project will have on existing and planned waste infrastructure in the Heathrow locality.

Significance criteria

- 1.5.7 There are no recognised significance criteria against which direct and indirect waste effects for the construction and operational phases of the DCO Project can be assessed. As such, the criteria for the assessment have been derived from professional experience previously gained from the application of EIA to large scale infrastructure projects, which take into account:
1. The net change in solid waste arisings overall as a result of the DCO Project
 2. The magnitude of the quantity of waste requiring management
 3. The availability of waste management capacity in the local and regional area.

¹⁶ <http://nwtool.wrap.org.uk/ToolHome.aspx> [accessed 14/03/18]



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- 1.5.8 Significance criteria have been developed for each type of waste. The significance criteria to be used in the assessment of the DCO Project are given in Tables 1.4.1 to 1.4.3.

Table 1.4.1: Inert waste significance criteria

Degree of significance	Inert criteria
Major adverse	Net increase in waste arisings relative to the future baseline leading to a severe, national and regional scale reduction in inert landfill void space capacity. Need for additional large-scale waste treatment and/or disposal capacity of greater than 10,000,000 tonnes per annum. Effect may be judged to be of importance in the national planning context and, therefore, of potential concern to a project depending upon the importance attached to the issue in the decision-making.
Moderate adverse	Net increase in waste arisings relative to the future baseline leading to regional scale reduction in inert landfill void space capacity. Need for additional medium-scale waste treatment and/or disposal capacity of between 2,000,000 to 10,000,000 tonnes per annum. Effect may be judged to be of importance in the regional planning context (e.g. where effects are permanent or long-term and the effect on local waste treatment and disposal infrastructure is such that additional capacity may be required).
Minor adverse	Net increase in waste arisings relative to the future baseline leading to local scale reduction in inert landfill void space capacity. Need for additional small-scale waste treatment and/or disposal capacity of up to 2,000,000 tonnes per annum. Effect is of low importance in the decision-making process but may be of relevance to the detailed design and mitigation of a project.
Negligible	No significant increase in waste arisings relative to the future baseline or reduction in landfill void space capacity for inert waste. No appreciable adverse or beneficial effects.
Beneficial	Net reduction in waste arisings and diversion of waste from landfill relative to the future baseline resulting in an environmental improvement. Positive effect on waste arisings overall and available capacity of waste treatment and disposal infrastructure.



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Table 1.4.2: Non-hazardous waste significance criteria

Degree of significance	Non-hazardous criteria
Major adverse	Net increase in waste arisings relative to the future baseline leading to a severe, national and regional-scale reduction in landfill void space/waste management capacity for non-hazardous waste. Need for additional large-scale waste treatment and/or disposal capacity of greater than 250,000 tonnes per annum ¹⁷ . Effect may be judged to be of importance in the regional planning context and, therefore, of potential concern to a project depending upon the importance attached to the issue in decision-making.
Moderate adverse	Net increase in waste arisings relative to the future baseline leading to regional-scale reduction in landfill void space/waste management capacity for non-hazardous waste. Need for additional medium-scale waste treatment and/or disposal capacity of between 50,000 ¹⁸ to 250,000 tonnes per annum. Effect may be judged to be of importance in the local planning context (e.g. where effects are permanent or long-term and the effect on local waste treatment and disposal infrastructure is such that additional capacity may be required).
Minor adverse	Net increase in waste arisings relative to the future baseline leading to local-scale reduction in landfill void space/waste management capacity for non-hazardous waste. Need for additional small-scale waste treatment and/or disposal capacity of up to 50,000 tonnes per annum. Effect is of low importance in the decision-making process but may be of relevance to the detailed design and mitigation of a project.
Negligible	No significant increase in waste arisings relative to the future baseline or reduction in landfill void space capacity for non-hazardous waste. No appreciable adverse or beneficial effects.
Beneficial	Net reduction in waste arisings and diversion of waste from landfill relative to the future baseline resulting in an environmental improvement. Positive effect on waste arisings overall and available capacity of waste treatment and disposal infrastructure.

¹⁷ Waste throughput capacity based on large-scale waste infrastructure project experience.

¹⁸ The waste throughput capacity of greater than 50,000 tonnes per annum has been selected with reference to the Department for Communities and Local Government (DCLG), 1999, Circular 02/99: Environmental Impact Assessment, DCLG; which states in Annex A: Indicative Thresholds and Criteria for Identification of Schedule 2 Development Requiring EIA, under 'Installation for the disposal of non-hazardous waste' at A36: "...EIA is more likely to be required where new capacity is created to hold more than 50,000 tonnes per year...".



Table 1.4.3: Hazardous waste significance criteria

Degree of significance	Hazardous criteria
Major adverse	Net increase in waste arisings relative to the future baseline leading to a severe national and regional-scale reduction in hazardous waste landfill void space/waste management capacity. Need for additional large-scale hazardous waste disposal capacity of greater than 100,000 tonnes per annum. Effect may be judged to be of importance in the regional planning context and, therefore, of potential concern to a project depending upon the importance attached to the issue in the decision-making process.
Moderate adverse	Net increase in waste arisings relative to the future baseline leading to regional-scale reduction in hazardous waste landfill void space/waste management capacity or need for additional medium-scale waste hazardous waste disposal capacity of between 20,000 and 100,000 tonnes per annum. Effect may be judged to be of importance in the local planning context, e.g. where effects are permanent or long-term and the effect on local waste treatment and disposal infrastructure is such that additional capacity may be required.
Minor adverse	Net increase in waste arisings relative to the future baseline leading to local-scale reduction in hazardous waste landfill void space/waste management capacity or need for additional small-scale hazardous waste disposal capacity of up to 20,000 tonnes per annum. Effect is of low importance in the decision-making process but may be of relevance to the detailed design and mitigation of a project.
Negligible	No significant increase in waste arisings relative to the future baseline or reduction in landfill void space capacity. No appreciable adverse or beneficial effects.
Beneficial	Net reduction in hazardous waste arisings and diversion of waste from landfill relative to the future baseline resulting in an environmental improvement. Positive effect on waste arisings overall and available capacity of hazardous waste treatment and disposal infrastructure.

Cumulative effects

- 1.5.9 For the construction phase, cumulative effects will be assessed qualitatively based on professional judgment taking into account other major development proposals within the defined regional area.
- 1.5.10 Similarly, for the operational phase, cumulative effects will be assessed qualitatively based on professional judgment and on the defined catchment area for the operational waste assessment. However, it is assumed that the anticipated generation of operational waste from existing development proposals will have already been accounted for in the waste forecasts of relevant Local Authority Waste Local Plans within which they are located. This is because when developing Local Plan forecasts, assumptions will have been included by Local Authorities in waste modelling work which account for a level of economic



development and/or housing growth. To add in further waste arisings from any such development proposals in a cumulative assessment, would be double counting as the Local Authorities' waste arisings forecasts will have already allowed for this.

- 1.5.11 The potential exceptions may be for large scale infrastructure projects which cross several Local Authority boundaries. Assumptions relating to operational waste aspects of large schemes may not have been included in any Waste Local Plan forecasts of future arisings. It is proposed that this would be explored with the appropriate Local Authorities and if no allowance has been made, then the focus of the operations waste cumulative assessment would be on the effects that the DCO Project would have with other relevant nationally significant infrastructure projects.

Mitigation

- 1.5.12 Paragraph 5.141 of the revised draft ANPS states:

'The applicant should set out a comprehensive suite of mitigations to eliminate or significantly reduce the risk of adverse impacts associated with resource and waste management.'

- 1.5.13 Mitigation and enhancement for waste and resources management during construction and operation will be considered in line with the waste hierarchy and with Heathrow 2.0 (the airport's sustainability strategy). Goal 10.3 in Heathrow 2.0 is to "deliver a resource efficient, zero waste airport and support a circular economy". The actions to implement this vision during construction will be set out in an overall Code of Construction Practice, and further detailed in the site waste management plan(s) produced by works contractors. For the operational phase, a Resource Management Plan will be produced, setting out an action plan to implement Goal 10.3.

1.6 Assumptions and limitations

Assumptions

- 1.6.1 It has been assumed that all existing land uses outside of the current airport boundary would remain unchanged should the DCO Project not proceed, except those identified as cumulative effects.
- 1.6.2 Assumptions will be made by the design team as to the proportion of solid construction waste that would be diverted from landfill via reuse, recycling and recovery for the key infrastructure elements.
- 1.6.3 It has been assumed that topsoil and subsoil will be reused within the DCO Project as close to the point of excavation as practicable, and is therefore not assessed.



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- 1.6.4 Waste transferred off-site would be handled by a registered waste carrier authorised by the Environment Agency and taken to a permitted or exempt facility authorised to receive and handle that waste under Duty of Care arrangements. It has been assumed that all construction and operation waste activities will be in accordance with the relevant environmental regulatory requirements.
- 1.6.5 When considering the availability of existing and planned waste management capacity, it has been assumed that this includes all appropriate waste management facilities within a defined spatial catchment that have an extant planning consent for waste management uses or there is a Planning Committee resolution of grant consent for an appropriate waste management facility. Sites allocated for waste uses in extant Local Plans and/or proposals in the planning system, but as yet undecided, will not be considered as existing/planned capacity.

Limitations

- 1.6.6 It is not anticipated that the operational phase of the DCO Project would generate significant quantities of either hazardous, inert or liquid Controlled Wastes (as defined in the Controlled Waste (England and Wales) Regulations 2012), and therefore these waste types will not be considered.
- 1.6.7 Arisings of hazardous wastes streams managed by Heathrow Airport Ltd in 2016 were 362 tonnes, and were taken to a range of specialist third party commercial treatment facilities for fractions such as batteries, oils and lubricants, fluorescent tubes, aerosols). An increase in this tonnage would be anticipated from the DCO Project (estimated at about 70% growth). The arisings of the individual fractions would remain a very small fraction of hazardous arisings in the surrounding area and region.
- 1.6.8 For example, London exported 194,000 tonnes of hazardous tonnes in 2015¹⁹. This figure is likely to be higher as the Interrogator data relies on permit data made publicly available, and cannot account for quantities where operator confidentiality rules have been applied. As is the case with Heathrow, the majority of hazardous arisings is transferred to specialist treatment facilities across the UK that have capacity for high levels of regional arisings, and is not treated on-site or locally. An assessment of the impact of the DCO Project on the capacity of existing hazardous waste management facilities will therefore not be considered.
- 1.6.9 Operational inert waste arisings arise from ad-hoc building maintenance activities and planned construction and demolition activities. None was separately recorded in wastes managed by Heathrow Airport Ltd in 2016, and those fractions managed

¹⁹ Greater London Authority; London Plan Waste; Forecasts and Apportionments; Task 3 – Strategic Waste Data; www.london.gov.uk/sites/default/files/task_3_-_strategic_waste_data.pdf [accessed 19/04/18]
This figure excludes hazardous waste data arisings from transfer stations to avoid double counting.



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by on-site works contractors achieved high recycling rates (99.8|% in 2016)²⁰. Arisings from any future construction/demolition activities outside the scope of the DCO Project would be assessed as part of the planning applications for those works.

- 1.6.10 Other liquid waste that is not within the scope of the Controlled Waste (England and Wales) Regulations 2012, such as foul sewer, surface water runoff and discharge from dewatering operations during construction, is not included in the assessment but is covered in **Chapter 18: Water environment**.
- 1.6.11 Hazardous liquid waste from operations, such as waste oil and lubricants, will not be separately considered as it forms part of the overall hazardous waste arisings as defined above. Liquid wastes are typically recovered as landfill disposal of liquid waste was banned in 2007 and they will continue to be managed at specialist commercial treatment facilities.
- 1.6.12 The likely significant environmental effects from the selection and use of materials (e.g. sourcing aggregate, concrete, brick and steel) for the construction of the DCO Project are not included in this assessment but is covered in a resource management plan.
- 1.6.13 The assessment of likely significant on-site environmental effects resulting from waste generated due to the interaction with landfill sites, fly-tipped waste and contaminated land will be addressed in **Chapter 14: Land quality**.
- 1.6.14 Safeguarding and the extraction of mineral resources located within the application red line boundary of the DCO Project is considered in **Chapter 14: Land quality**.
- 1.6.1 The assessment of likely significant environmental effects associated with waste related transport will be addressed in **Chapter 17: Traffic and transport**.

²⁰ Heathrow Airport Limited, Sustainability Performance Report, 2016



Appendix 4.2

Approach to Assessing Cumulative Effects

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report

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Approach to Assessing Cumulative Effects



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APPROACH TO ASSESSING CUMULATIVE EFFECTS



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STAKEHOLDERS

Name	Role
Heathrow Strategic Planning Group	To provide feedback on the Technical Note setting out proposed approach and initial lists of developments to be considered in the cumulative effects assessment.

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Approach to assessing cumulative effects

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Approach to assessing cumulative effects



1. INTRODUCTION

- 1.1.1 This Technical Note sets out the proposed approach to the assessment of cumulative effects for the Heathrow Expansion Project ('the scheme'). It defines what 'cumulative effects' means for the scheme, explains how guidance from the Planning Inspectorate has been taken into account, and describes the staged approach proposed for the assessment of cumulative effects within the Environmental Impact Assessment (EIA). Based on the proposed approach it then also provides an initial list of developments that may be considered in the cumulative effects assessment (CEA). This is subject to future updates as set out in Section 3.4.
- 1.1.2 The Technical Note is produced to seek feedback from the local authorities on:
1. The proposed approach to the assessment of cumulative effects
 2. The initial list of developments (noting this was previously issued to the local authorities on 9 March 2018 and there have been no changes made to the list of development since that time).

1.2 Need for cumulative effects assessment

- 1.2.1 The requirement to assess cumulative effects is set out in paragraph 5 of Schedule 4 of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 ('EIA Regulations'), which requires that the applicant provides a description of the likely significant effects of the proposed development on the environment resulting from:

*“(e) the cumulation of effects with **other existing and/or approved projects**, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources.”*

- 1.2.2 The need for a cumulative effects assessment within the EIA is also set out in the revised draft Airports National Policy Statement (ANPS) (para 4.12), which provides the following additional guidance on cumulative effects:

Para 4.14: “When considering significant cumulative effects, any environmental statement should provide information on how the effects of an applicant’s proposal would combine and interact with the effects of other development (including projects for which consent has been granted, as well as those already in existence if they are not part of the baseline).”

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Para 4.15: “The Examining Authority should consider how significant cumulative effects, and the interrelationship between effects, might as a whole affect the environment, even though they may be acceptable when considered on an individual basis or with mitigation measures in place.”

1.3 Definition of cumulative effects

1.3.1 When considering cumulative effects associated with the scheme in the EIA, there are two stages to the cumulative effects assessment.

Stage 1: scheme-wide cumulative effects

1.3.2 The scale and complexity of the scheme means that, in addition to the development consent order (DCO) elements of the scheme that will be applied for by Heathrow, there may also be separate Town and Country Planning Act (TCPA) applications made in relation to certain elements of the scheme.

1.3.3 The core topic assessments contained within the Environmental Statement (ES) will assess the likely significant effects associated with all development that forms part of the DCO (i.e. the relevant Nationally Significant Infrastructure Projects (NSIPs) and associated development). The CEA will then consider the cumulative effects of the DCO works and those works for which consent is sought outside of the DCO. This is required to ensure that the cumulative effects of development required as a result of the scheme (i.e. ‘scheme-wide’ effects) are presented in the ES.

Stage 2: cumulative effects with other (non scheme) developments

1.3.4 The second stage of the cumulative effects assessment would satisfy the requirements of the EIA Regulations and revised draft ANPS, to consider the combined effects of the scheme with ‘other development’ external to the scheme. This will consider ‘other development’ in addition to the scheme-wide cumulative effects identified at Stage 1. This will include an assessment of any cumulative effects during construction and operation.

1.3.5 It is the methodology for the identification and assessment of these ‘other developments’ that is the subject of this note.

In-combination effects

1.3.6 It is noted that para 4.15 of the revised draft ANPS includes reference to the “interrelationship between effects”. For the purposes of the Heathrow Expansion Project EIA, these are termed ‘in-combination’ effects, referring to the combined environmental effects (i.e. interaction of environmental factors such as air quality, noise, health etc). There will be a separate in-

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combination effects assessment, the proposed approach to which will be set out in the Scoping Report.



2. PLANNING INSPECTORATE (PINS) ADVICE NOTE SEVENTEEN: CUMULATIVE EFFECTS ASSESSMENT

- 2.1.1 Although the need to assess significant cumulative effects is set out in the EIA Regulations, until recently a common or standard approach to delivering CEA has not existed. However, the Planning Inspectorate (PINS) has drawn together best practice experience from major infrastructure projects, and this has formed the basis of PINS Advice Note Seventeen¹, which provides guidance on undertaking CEA for NSIPs. The Advice Note provides useful guidance to inform the development of the CEA methodology for the scheme, certain sections of which can be interpreted in different ways.
- 2.1.2 The Advice Note sets out a proposed four stage process for applicants to follow for their CEA. Table 2.1 summarises the staged process, drawing on information provided in the Advice Note regarding each of the stages. Reference should be made to Advice Note Seventeen for a full description of the approach recommended by PINS at each of the stages.

Table 2.1 Recommended staged approach to CEA process

CEA stage	Activity
Stage 1: Establish Zone of Influence (ZOI) and long list of 'other development'	<ul style="list-style-type: none"> Establish ZOI for each environmental topic, via desk study and mapped in GIS. Rationale for topic ZOIs to be provided. Identify long list of potential other developments through review of planning applications, development plan documents, other NSIPs in ZOIs (grouping into tiers – see Graphic 2.1). It is noted that at Stage 1 no account is taken of the scale of development – all 'other developments' are included in the long list. Discuss with Local Planning Authorities (LPAs) and other statutory consultees. Ideally complete prior to request for Scoping Opinion.
Stage 2: Identify short list of 'other development' for CEA	<ul style="list-style-type: none"> Develop inclusion and exclusion criteria to enable a short list to be generated, based on likelihood of cumulative effects of two or more developments giving rise to 'significant cumulative effects' by virtue of overlaps in temporal scope; due to the scale and nature of the 'other development'/receiving environment; or any other relevant factors. Criteria should take account that some 'other developments' regardless of size may give rise to a cumulative effect by virtue of their proximity to proposed NSIP.

¹ The Planning Inspectorate, Advice note seventeen: Cumulative effects assessment relevant to nationally significant infrastructure projects, December 2015

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CEA stage	Activity
	<ul style="list-style-type: none"> Professional judgement to be used in the development and application of inclusion and exclusion criteria. Documented information may be high level at this stage, outlining key issues to take forward to Stages 3-4. Inclusion/exclusion criteria ideally consulted on with LPAs/statutory consultees and ideally finalised before submission of Scoping Report.
Stage 3: Information gathering	<ul style="list-style-type: none"> Gather available information on the details of the 'other developments' including known programme, nature of the development and potential environmental effects.
Stage 4: Assessment	<ul style="list-style-type: none"> Each of the 'other developments' is assessed, in turn with the scheme proposals to determine if both activities/proposals give rise to significant cumulative effects during either construction, operation or decommissioning. It may be appropriate to consider the apportionment of effect between the proposed NSIP and the 'other development' e.g. is the contribution to the effect demonstrably related to one development or is there an equal contribution from either development. This will require professional judgement and should not be used as a means to shift the burden of mitigation. It should however protect the scheme from demands to mitigate the effects of other projects. Assessment to be provided for all Tier 1 and Tier 2 'other development' but Tier 3 assessment can be high level (see Graphic 2.1 for descriptions of Tier 1, 2 and 3 development). It is acknowledged that certain assessments (e.g. transport and associated air quality/noise vehicular emissions assessments) may be inherently cumulative if modelled traffic data has been growthed for future traffic flows. No additional cumulative assessment is required if that assessment is comprehensive and on a worst case basis. Significance criteria should be used to assess likely cumulative effects, considering the capacity of environmental resources and receptors to accommodate the changes likely to occur. Significance criteria should consider the duration, extent, type and frequency of effect as well as the value/resilience of the receptor affected and the likely success of mitigation. If significant effects are identified, mitigation proposals/activities are to be identified, including how the mitigation would be secured e.g. via DCO requirements and associated mitigation plans. Consultation may be undertaken with applicants/developers of 'other development' to identify means to jointly address the mitigation of significant adverse cumulative effects and the means to ensure delivery. All likely significant cumulative effects and the proposed mitigation, including any apportionment, should be documented in Matrix 2 (Appendix 2 of Advice Note Seventeen).



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- 2.1.3 In order to identify the types of ‘other development’ to be included within the CEA, the Advice Note identifies three tiers of development project for consideration in the CEA process as set out in Graphic 2.1. The tiers are based on the level of certainty available in relation to a development and its effects, and informs the extent to which a development should be included in the CEA. The Advice Note recommends that all Tier 1 and 2 ‘other development’ should be included within the CEA and, where possible, Tier 3 should also be included, though noting that this may be at a high level given limited detail likely to be available in relation to such schemes.

Graphic 2.1 ‘Other development’ types for inclusion in CEA²

Tier 1	<ul style="list-style-type: none"> ▶ under construction; ▶ permitted application(s), but not yet implemented; ▶ submitted application(s) not yet determined; 	<p>Decreasing level of detail likely to be available</p>
Tier 2	<ul style="list-style-type: none"> ▶ projects on the PINS Programme of Projects where a scoping report has been submitted; 	
Tier 3	<ul style="list-style-type: none"> ▶ projects on the PINS Programme of Projects where a scoping report has not been submitted; ▶ identified in the relevant Development Plan (and emerging Development Plans - with appropriate weight being given as they move closer to adoption) recognising that much information on any relevant proposals will be limited; ▶ identified in other plans and programmes (as appropriate) which set the framework for future development consents/approvals, where such development is reasonably likely to come forward. 	

² It is noted that Tier 1 includes any refused applications subject to appeal procedures not yet determined – this is because these are still considered to be a ‘live’ applications. Those developments for which a planning application has been rejected (without appeal) or an appeal made and dismissed would however not be included.

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3. PROPOSED APPROACH

3.1.1 This section sets out the proposed approach to CEA for the EIA. The suggested approach essentially follows the staged approach set out in Advice Note Seventeen, although it is proposed that Stages 1 and 2 are merged (into Stage 1), since it is considered possible to robustly define the inclusion/exclusion criteria at the outset. This streamlining of the process supports the principle of proportionality within the context of the EIA for the scheme.

3.2 Stage 1 – Identification of ‘other development’

1a: Establish the scheme’s ZOI by topic

- 3.2.1 The process has begun with environmental topics identifying the likely spatial ZOI for their topic – this is the area over which likely significant cumulative effects could potentially occur. For the majority of topics this ZOI is the same as their study area, as this is the area over which effects associated with the scheme are likely to occur and therefore cumulative effects may also be experienced in this area.
- 3.2.2 The ZOIs identified to date have been mapped in GIS and the rationale for the ZOIs set out in the format recommended in Advice Note Seventeen. This is set out in **Appendix 3.1: Cumulative effects assessment zone of influence**.
- 3.2.3 It is noted that as the masterplanning and consultation processes progress and the scheme is refined, the topic ZOIs will be reviewed and updated as necessary. As the ZOIs change, data collection on ‘other developments’ will therefore also be reviewed and updated.

1b: Identify inclusion/exclusion criteria

- 3.2.4 It is proposed to agree inclusion/exclusion criteria with stakeholders at an early stage to ensure that only those developments that have the potential to lead to likely significant cumulative effects are included in the assessment.
- 3.2.5 On this basis, a set of inclusion/exclusion criteria has been developed for **Tier 1 development** (see Graphic 2.1 for definition of Tier 1 and Table 3.1 for proposed criteria), which is consistent with Advice Note Seventeen (i.e. development under construction, permitted applications and submitted applications are considered as Tier 1 development). It should be noted that in relation to Tier 1 development being brought forward by means of DCO, Transport and Works Act (TWA) and Hybrid Bills no thresholds are

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set and all applications will be included in the CEA, consistent with the approach recommended in Advice Note Seventeen.

- 3.2.6 The thresholds set for TCPA ‘other development’ are considered appropriate for the CEA in relation to the scheme, and will allow likely significant cumulative effects to be identified. It is not considered that development below the thresholds proposed in the criteria is likely to result in likely significant cumulative effects together with the scheme. These criteria are set out in Table 3.1, and are consistent with Advice Note Seventeen (Table 3). Further detail regarding the criteria used for applications referable to the Mayor and those that meet the Town and Country Planning (EIA) Regulations 2017 Schedule 2 screening criteria are provided **Appendix 3.2: Relevant development criteria**.
- 3.2.7 It is considered that the criteria in Table 3.1 should be applied to all applications submitted (either consented or pending determination) in the last five years over the maximum extent of all topic ZOIs (i.e. the widest topic ZOI area – see **Appendix 3.1** for the area identified to date). A period of five years has been selected as this period will ensure inclusion of all potential cumulative developments, including those that were consented several years ago and are now (or will shortly be) under construction.
- 3.2.8 Additionally, for the Preliminary Environmental Information Report (PEIR) and ES a further check will be done to ensure there are no other NSIPs outside of the maximum extent of all topic ZOIs that have the potential to have significant cumulative effects with the scheme. The distance outside the maximum extent of all topic ZOIs that will be considered is 10km. It is not considered necessary to undertake this check for other types of development (i.e. non NSIP development), as smaller scale development outside of the topic ZOI areas is not considered likely to result in likely significant cumulative effects with the scheme.

Table 3.1 Proposed criteria for identifying ‘Tier 1 development’ for the CEA

Criteria heading	Detail of criteria
DCO applications and Hybrid Bills	All other DCO and Hybrid Bill applications within the topic ZOI areas, e.g. Western Rail Link, M4 smart motorways, HS2 Phase One.
Applications referable to the Mayor	All criteria set out in the Mayor of London Order 2008 would be applied. Key criteria include: <ul style="list-style-type: none"> • Development of 150 residential units or more • Total floorspace of more than 20,000m² in Central London and 15,000m² outside of Central London • Development over 30m in height (outside of City of London) • Development increases in height by more than 15m • Development on Green Belt or Metropolitan Open Land

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Criteria heading	Detail of criteria
TCPA Schedule 2 EIA screening criteria	All criteria set out in Schedule 2 of the Town and Country Planning (EIA) 2017 Regulations would be applied. Key criteria include: <ul style="list-style-type: none"> • Industrial estate development projects more than 0.5 hectare • Urban development projects of more than 150 dwellings • Urban development projects more than 5 hectares (overall development area)
Transport and Works Act (TWA) applications that require an EIA	Any TWA applications that require an EIA under The Transport and Works (Applications and Objections Procedure) (England and Wales) Rules 2006.
Local developments	All developments within 1km of the Application Site boundary ³ would be included, regardless of size. This is due to the close proximity of these developments to the scheme development area and therefore the potential for cumulative effects. It is noted that this would include any permitted development at Heathrow, i.e. development unrelated to the scheme that is consented and Heathrow is permitted to proceed with.

- 3.2.9 **Tier 2 developments** are projects on the PINS Programme of Projects for which a Scoping Report has been submitted. These developments will be identified over the maximum extent of all topic ZOIs for inclusion in the CEA.
- 3.2.10 In terms of **Tier 3 development**⁴ (see Graphic 2.1 for definition of Tier 3), projects on the PINS Programme of Projects where a Scoping Report has not yet been submitted will be included in the cumulative effects assessment as per Advice Note Seventeen provided sufficient comprehensive information is available for the development to enable a robust assessment.
- 3.2.11 Regarding local development plans, a review of plans, policies and programmes has been undertaken to determine the level of available information and identify whether it is reasonably practicable to make accurate predictions about how the proposals in plans, policies and programmes may interact with the scheme to impact on environmental receptors. PINS Advice Note Seventeen acknowledges that there may be limited publicly available information for plans, policies and programmes. A

³ Assumed to be the Airports Commission v4.9 boundary at the time of drafting this note. Once the scheme Application Site boundary is confirmed, the 1km buffer will be updated accordingly.

⁴ It is noted that a tiered approach has been devised by Natural England and the Joint Nature Conservation Committee (NE/JNCC) for the assessment of cumulative effects which splits out Tier 3 development as defined in Advice Note Seventeen into three separate tiers, providing a finer grain of division to reflect the greater uncertainty associated with some types of Tier 3 development. The proposed approach for the CEA for the Heathrow Expansion Project is currently based on the tiers set out in Advice Note Seventeen but further consideration will be given to whether use of the NE/JNCC classifications would assist with the clarity of different types of development considered in the CEA.

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review of relevant policy documents has been undertaken and is contained in **Appendix 3.3: Review of development plans for the cumulative assessment**.

- 3.2.12 This review allows consideration of the degree to which plans, policies and programmes can reasonably be taken into account in the CEA, identifying where sufficient information is available, and where information may be insufficient to enable a robust assessment of cumulative effects. It is noted that the EIA Directive (2014/52/EU) includes a test of reasonableness allied to the state of knowledge and availability of information at Annex IV(3). This implies that should a development not have the requisite degree of certainty, clarity or availability of information, it should not be a reasonable requirement to include it as part of the cumulative effects assessment.
- 3.2.13 It is considered that the review (contained in **Appendix 3.3**) demonstrates insufficient availability of information to enable a robust assessment of the likely significant cumulative effects on specific environmental receptors. Whilst the development plans give information on the type, scale and in some cases the proposed programme for development, there is no additional information (such as an ES, EIA Scoping Report or Planning Statement) that can be interrogated to provide sufficient spatial, temporal and other environmental information regarding each of the development sites to allow a meaningful cumulative assessment. Given the lack of published information and the inherent uncertainty as to the delivery of developments referred to in development plans, it is not considered possible to take such developments into account in the CEA beyond their input to the transport modelling and to inform future population, housing and employment forecasts (see paragraphs 3.2.16-3.2.17)
- 3.2.14 It is however noted that aspects of the plans, policies and programmes for which a planning application has already been made would automatically be considered through Tier 1 inclusion criteria. Highlighted rows in **Appendix 3.3** represent those development sites for which a planning application has been brought forward and the developments meet Tier 1 inclusion criteria, meaning they are included in the initial schedule of other developments – see Section 3.3.
- 3.2.15 Additionally, when development proposals come forward in accordance with plans, policies and programmes in the future these will, in any case, be likely to require an EIA themselves or be accompanied by appropriate technical material where cumulative effects would be assessed (i.e. they are ‘behind’ the Heathrow Expansion Project in the planning system).

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- 3.2.16 As indicated above, the transport assessment (and hence related air quality and noise assessments) is based on modelling using strategic highway models that take account of employment and housing projections and as a result is considered inherently cumulative, i.e. the models are informed by Tier 3 plans, policies and programmes. Tier 1 and 2 developments are also taken into account in the development of the models. PINS Advice Note Seventeen notes that where transport and related environmental assessments are comprehensive and worst-case within the defined assessment parameters, no additional cumulative assessment of these topics is required. On the basis it is expected that the CEA will be comprehensive and represent the likely worst case and therefore no additional cumulative effects assessment will be undertaken for transport.
- 3.2.17 A similar approach is taken in the economics and employment assessment undertaken within the EIA, for which the future baseline includes growth forecasts for housing, people and jobs. The forecasts include theoretical future developments or a rate of development (and in some cases also actual planned development), which means that plans, policies and programmes are taken into account in the future baseline, again informed by local development plans⁵. The core assessment of the scheme in relation to this topic is therefore inherently cumulative and no additional cumulative assessment is therefore expected to be required.

3.3 Stage 2 – Identify ‘other development’ in ZOIs using inclusion/exclusion criteria

- 3.3.1 Based on the inclusion/exclusion criteria identified at Stage 1b, a data search and collection exercise has been undertaken to identify other developments within the widest topic ZOI (see Figure 3.1.1 in **Appendix 3.1**) for all planning applications submitted in the last five years. This initial list of other developments is contained in **Appendix 3.4: Initial schedule of other developments** which also includes maps of the identified developments (see Figures 3.4.1 and 3.4.2)⁶. This comprises four separate tables:
1. Tier 1 DCO and Hybrid Bill developments under construction or that have an application that is submitted and/or permitted
 2. Tier 1 developments referable to the Mayor and that meet Town and Country EIA Regulations Schedule 2 screening criteria

⁵ Future baseline forecasts will be agreed with the Heathrow Strategic Planning Group through the Joint Evidence Base study being undertaken.

⁶ Appendix 3.4 is the same as the initial development list issued to local authorities on 9 March 2018 (no changes have been made)



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3. Tier 1 developments within 1km of the DCO Application Site boundary³
 4. Tier 2 developments on the PINS Programme of Projects for which an EIA Scoping Report has been submitted.
- 3.3.2 Further detail regarding the search methodology used for each local authority is contained in **Appendix 3.5: Development search methodology**.
- 3.3.3 It is noted that no Transport and Works Act developments requiring an EIA (Tier 1 criteria) were found in the maximum extent of the topic ZOIs. Equally, there are no projects on the PINS Programme of Projects where an EIA Scoping Report has not yet been submitted (Tier 3 criteria) within the CEA ZOI.
- 3.3.4 Local authorities have been invited to review and comment on the initial development list (**Appendix 3.4**), to ensure that the list includes those developments that the local authorities would expect to see included.

3.4 Stage 3 – Information gathering

- 3.4.1 Following stakeholder feedback and confirmation of the proposed Application Site boundary (which may affect the topic ZOIs and therefore the area of data search for the CEA), the list of ‘other developments’ will be updated and further information will be collated on each of the developments to be included in the CEA, to allow topics to undertake a robust assessment of cumulative effects. This update will be undertaken with a ‘freeze date’ to allow sufficient time for topic assessments to be undertaken to inform the PEIR. This freeze date is expected to be approximately 6 months prior to publication of the PEIR. The list would then again be updated for the assessment undertaken for the ES, to include any new development that has come forward or changed planning status (and to reflect any changes in topic ZOIs driven by any further changes in the Application Site boundary following the second Consultation in relation to the Heathrow Expansion Project). Again, the list of developments is expected to be frozen approximately 6 months prior to the DCO application being submitted, to allow time for topic assessments to be undertaken.
- 3.4.2 A Development Schedule will provide the following information for each development:
1. Proposed development and location information
 2. Planning status
 3. Proposed programme for construction/operation

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4. Assumptions on status of the development in each of the EIA assessment years with confirmation whether each development should be treated as future baseline (e.g. if the development will be completed before construction begins for the scheme) or assessed under cumulative effects in each of the relevant assessment years (e.g. if construction is programmed to be taking place at the same time as construction for the Heathrow Expansion Project).
- 3.4.3 An example template for the Development Schedule is included at **Appendix 3.6: Development schedule template**.
- 3.4.4 The final columns of the Development Schedule (sub-paragraph 4 of paragraph 3.4.2) are particularly important as this is where it will be confirmed how each development is to be treated in each relevant assessment year. This is likely to vary between assessment years and could present a complex picture as developments will be of relevance from a future baseline and/or cumulative effects perspective depending on their timescales in relation to the Heathrow Expansion Project⁷, and hence the list of cumulative developments will vary between different assessment years. Table 3.2 sets out how the classification of ‘other developments’ as either future baseline or within the cumulative effects assessment would be determined for each relevant assessment year, considering both construction and operational aspects of the assessment given that all assessment years will consider both construction and operational activities.

Table 3.2 Classification of developments as future baseline and/or cumulative

	EIA construction assessment	EIA operation assessment
Dev not yet commenced in the EIA assessment year (i.e. construction not started)	Nothing – neither future baseline nor cumulative	Nothing – neither future baseline nor cumulative
Dev under construction in the EIA assessment year	Cumulative – potential for cumulative construction effects from overlapping construction activities	Cumulative – potential for cumulative effects between the operation of the scheme and the construction of the other development
Dev complete/operational in the EIA assessment year	Future baseline – new receptors (associated with other development) to be considered as part of future baseline in the	Future baseline – new receptors (associated with other development) to be considered as part of future baseline in

⁷ It is noted that if there are uncertainties regarding the construction timescales for a given development, it will be assumed to be cumulative development in all assessment years in order to provide a worst-case cumulative assessment.

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	EIA construction assessment	EIA operation assessment
	construction assessment as appropriate	operational assessment as appropriate.

- 3.4.5 For those developments identified as having the potential for cumulative effects (i.e. overlap with the Heathrow Expansion Project during construction/operation), cumulative effects will be considered for the relevant assessment years up to 2040.

3.5 Stage 4 – Assessment

- 3.5.1 Once information has been collected on each of the other developments at Stage 3, topics will use the Development Schedule to assess cumulative effects, taking account of all relevant developments in the schedule. This will involve a professional judgement view on which other developments have the potential to result in likely significant cumulative effects with the scheme in relation to each particular environmental topic, scoping out those that do not. Topic specific justification for any scoping out of developments from the CEA on this basis will be provided. The appropriate assessment years for the CEA will be determined in relation to each topic, and may vary between topics.
- 3.5.2 In undertaking the CEA, the same significance criteria will be used in relation to each topic as are used for their core assessment, considering whether the cumulative effects would have a higher level of significance than that identified in core assessments. Where significant adverse cumulative effects are identified, mitigation measures will be identified, where possible, to reduce the level of effect.
- 3.5.3 Whilst cumulative effects will be reported at an individual topic level, it is proposed that a summary of the cumulative effects associated with the scheme is also provided using the table format included at Advice Note Seventeen Appendix 2 (Matrix 1)⁸. This will summarise the cumulative effects identified, any proposed mitigation measures (including how the mitigation would be secured and delivered) and residual cumulative effects.

⁸ The Planning Inspectorate, Advice note seventeen: Cumulative effects assessment relevant to nationally significant infrastructure projects Appendix 2: Matrix 1 – Assessment matrix, December 2015



APPENDICES

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Appendix 3.1

Cumulative effects assessment zone of influence



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1. CUMULATIVE EFFECTS ASSESSMENT ZONE OF INFLUENCE

1.1 Zone of influence

- 1.1.1 All environmental topics have a zone of influence (ZOI) over which the cumulative effects assessment will be carried out. Table 3.1.1 describes the environmental topics that have been included in the ZOI and Figure 3.1.1 displays this geographically.
- 1.1.2 It is noted that the topic ZOIs developed to date have used the Airports Commission v4.9 boundary. As the masterplanning and consultation processes progress and the scheme is refined, this boundary will change and the topic ZOIs will be updated accordingly. As the ZOIs change, data collection on 'other developments' will therefore also be reviewed and updated.
- 1.1.3 The following environmental topics CEA ZOI have not yet been fully developed at this stage so are not included in Table 3.1.1 and Figure 3.1.1, however, they will be confirmed prior to the PEIR being produced to allow their cumulative effects to be accounted for in the EIA process:
1. Noise and vibration – ZOI to be identified once the study area is confirmed. It is acknowledged that the core assessment undertaken for road traffic related noise effects will be inherently cumulative given the nature of the traffic modelling (see para 1.1.5 below)
 2. Economics and employment – ZOI to be identified once assessment area is confirmed which will be defined through working with HSPG on the Joint Evidence Base for housing market area and Heathrow labour market area
 3. Carbon
 4. Climate change
 5. Major accidents and disasters
 6. Minerals safeguarding (covered as part of Land quality assessment).
- 1.1.4 It is also worth noting that the cumulative effect assessment for health and historic environment are likely to change when the noise assessment area is confirmed. For example, historic environment will account for cumulative noise effects upon heritage assets that rise to a level above 60dB, as per Historic England's noise assessment methodology.
- 1.1.5 With regard to transport, there is not anticipated to be a separate cumulative effects assessment given that the modelling is undertaken using strategic highway



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models that take account of employment and housing projections. As a result, the modelling is considered inherently cumulative.

Table 3.1.1 Environmental topics and their zone of influence

Environmental topic	Zone of influence explanation
Air quality and odour	Air quality model extent - area over which effects on air quality and odour may occur as a result of the scheme and therefore the area over which there could be cumulative effects with other developments.
Agricultural land quality	Area over which effects on agricultural land may occur as a result of the scheme and therefore the area over which there could be cumulative effects with other developments.
Biodiversity	Area over which combined effects on ecological receptors as a result of the scheme and other developments may occur. Generally a 750m assessment area plus an additional 750m to allow for any overlapping impact areas with other developments.
Community	Community areas defined for the scheme – these are the communities primarily affected by the scheme, which would also be subject to cumulative effects should there be other developments over the same area.
Health	ZOI is currently shown to reflect the community areas defined for the scheme where the requirement for land and impacts associated with construction are expected to be experienced. Cumulative effects may therefore occur over this area. As noted above, the ZOI will be revisited once the noise assessment area is confirmed.
Historic environment	Area over which there is the potential for heritage assets to become at risk as a result of the cumulative impacts of the scheme with other developments. As noted above, the ZOI will be revisited once the noise assessment area is confirmed.
Landscape and visual	This is the area over which there is considered to be the potential for cumulative effects relating to changes in the landscape (including townscape) and visual amenity.
Land quality	This is the area over which there is considered to be the potential for cumulative effects relating to potentially contaminated land and landfills.
Water	Area over which effects on surface water and the groundwater body may occur as a result of the scheme and therefore the

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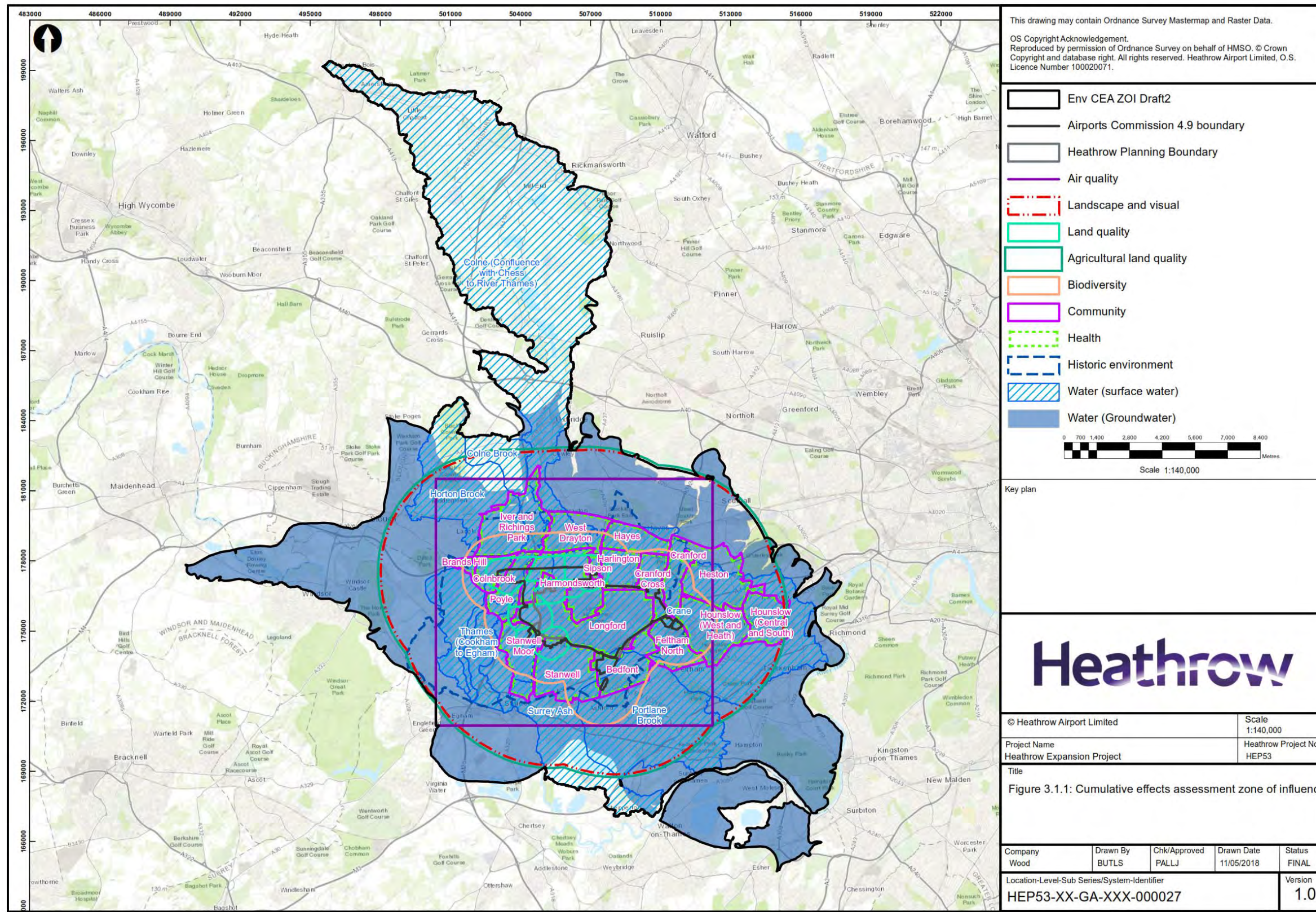


Environmental topic	Zone of influence explanation
	area over which there could be cumulative effects with other developments.



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Figure 3.1.1 Cumulative effects assessment zone of influence





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Appendix 3.2

Relevant development criteria



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1. RELEVANT DEVELOPMENT CRITERIA

1.1.1 Table 3.2.1 presents a summary of Tier 1 criteria from:

1. Mayor of London Order 2008
2. Schedule 2 of the Town and Country Planning (EIA) 2017 Regulations

Table 3.2.1 Summary of Tier 1 Criteria

Topic	Mayor of London call-in criteria	EIA regulations
Residential	<ul style="list-style-type: none"> • > 150 dwellings 	<ul style="list-style-type: none"> • >150 dwellings in urban projects
Non-residential	<ul style="list-style-type: none"> • >15,000 sqm 	<ul style="list-style-type: none"> • See <i>infrastructure projects (below)</i>
Building heights	<ul style="list-style-type: none"> • >25m high adjacent to River Thames; or • 30m high; or • Height increased by > 15m and completed building >25m high if adjacent to River Thames or >30m high elsewhere 	N/A
Mining	<ul style="list-style-type: none"> • Development occupies >10 ha 	N/A
Waste	<ul style="list-style-type: none"> • Capacity for: >5,000 tonnes p/a hazardous waste; or > 50,000 tonnes p/a waste; OR • Development occupies > 1ha OR • Development does not accord with at least one provision of the development plan and: <ul style="list-style-type: none"> • Occupies more > 0.5 hectares; or • Provides capacity for: >2,000 tonnes p/a of hazardous waste; or > 20,000 tonnes per annum of waste 	<ul style="list-style-type: none"> • Waste incineration where the area of the development >0.5ha; OR • Within 100m of any controlled waters
Transport	<ul style="list-style-type: none"> • Tram station; • Tramway, an underground, surface or elevated railway, or a cable car; • Installation for Class B8 use where development occupies > 4 hectares; • A crossing over or under the River Thames; or • A passenger pier on the River Thames. 	<ul style="list-style-type: none"> • Railways where development area > 0.5ha • Construction of roads area of works >1ha • Harbours and port installations where area of works >1ha • Inland-waterway, canalisation and flood-relief works where development works >1ha;



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	<ul style="list-style-type: none"> A railway station 	<ul style="list-style-type: none"> Dams and other installations designed to hold water or store it on a long-term basis where development works >1ha; Tramways, railways used exclusively or mainly for passenger transport where development works >1ha; Motorway service areas where development area >0.5ha
Airport	<ul style="list-style-type: none"> Development to increase air passenger terminal capacity by >500,000 passengers p/a 	<ul style="list-style-type: none"> Aircraft runway; Heliport; Air passenger terminal at an airport; Airfields: extension to runway OR the area of the works > 1 ha
Buses and coaches	<ul style="list-style-type: none"> Development for >70 buses and/or coaches to be stored; OR Proposed bus/coach store occupies > 0.7 ha 	<ul style="list-style-type: none"> Bus or coach stations
Green Belt	<ul style="list-style-type: none"> Major development in the green belt 	N/A
Agriculture and aquaculture	N/A	<ul style="list-style-type: none"> Intensive agricultural development area > 0.5 hectares Water management projects for agriculture, where area of works > 1 hectares Livestock installations > 500 sqm Fish farming where >10 tonnes of dead weight fish produced p/a
Extractive industry	N/A	<ul style="list-style-type: none"> Quarries/open cast mining/peat extraction or underground mining > 1,000 sqm Extraction of minerals by fluvial or marine dredging Deep drillings where the works >1 ha Geothermal drilling and drilling for storage of nuclear waste material within 100m of any controlled waters Surface industrial installations (coal, petroleum, natural gas and ores, shale extraction) where the development > 0.5 hectares
Energy industry	N/A	<ul style="list-style-type: none"> Industrial installations (electricity, steam and hot water production) where development > 0.5 ha OR for carrying gas, steam and hot water where area works > 1ha Surface storage of natural gas, underground storage of combustible gases and surface storage of fossil

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		<p>fuels where new building, deposit or structure > 500 sqm or sited within 100 metres of any controlled waters</p> <ul style="list-style-type: none"> • Industrial briquetting of coal and lignite where new floorspace > 1,000 sqm • Installations for processing and storage of radioactive waste where new floorspace > 1,000 sqm or the installation requires an environmental permit under the Environmental Permitting Regulations 2016(a) in relation to a radioactive substances activity • Hydroelectric energy installation designed to produce > 0.5 megawatts • Wind farms with > 2 turbines or where the hub height of any turbine or structure > 15m • Installations for the capture of carbon dioxide streams for geological storage.
Production and processing of metals installations	N/A	<ul style="list-style-type: none"> • Pig iron or steel production; • Processing of ferrous metals • Ferrous metal foundries; • Smelting, of non-ferrous metals • Surface treatment of metals and plastic materials using an electrolytic or chemical process; • Manufacture and assembly of motor vehicles and manufacture of motor-vehicle engines; • Shipyards; • Installations for the construction and repair of aircraft; • Manufacture of railway equipment; • Swaging by explosives; • Installations for the roasting and sintering of metallic ores. • Where new floorspace > 1,000 sqm:
Mineral industry	N/A	<ul style="list-style-type: none"> • Coke ovens (dry coal distillation); • Installations for the manufacture of cement; • Installations for the production of asbestos and the manufacture of asbestos-based products • Installations for the manufacture of glass; • Installations for smelting mineral substances

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		<ul style="list-style-type: none"> • Manufacture of ceramic products by burning • Where new floorspace > 1,000 sqm
Chemical industry	N/A	<ul style="list-style-type: none"> • Treatment of intermediate products and production of chemicals; • Production of pesticides and pharmaceutical products, paint and varnishes, elastomers and peroxides • Where new floorspace > 1,000 sqm
Food industry	N/A	<ul style="list-style-type: none"> • Manufacture of vegetable and animal oils and fats; • Packing and canning of animal and vegetable products; • Manufacture of dairy products; • Brewing and malting; • Confectionery and syrup manufacture; • Installations for the slaughter of animals; • Industrial starch manufacturing installations; • Fish-meal and fish-oil factories; • Sugar factories. • Where new floorspace >1,000 sqm:
Textile, leather, wood and paper industries	N/A	<ul style="list-style-type: none"> • Industrial plants for the production of paper and board; • Plants for the pre-treatment or dyeing of fibres or textiles; • Plants for the tanning of hides and skins; • Cellulose-processing and production installations • Where new floorspace, >1,000 sqm
Rubber industry	N/A	<ul style="list-style-type: none"> • Manufacture and treatment of elastomer-based products where new floorspace >1,000sq.m.
Infrastructure projects	N/A	<ul style="list-style-type: none"> • Urban development projects: >1ha of non-residential urban development; Overall area of the development > 5ha; Industrial estate development > 0.5ha • Intermodal transshipment facilities and terminals >0.5ha • Oil and gas pipeline installations and pipelines for transport of CO2 streams for the purposes of geological storage; and installations of long-distance aqueducts where area of the works



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		<p>>1ha or a gas pipeline has a design operating pressure > 7 bar gauge:</p> <ul style="list-style-type: none"> • Groundwater abstraction and artificial groundwater recharge schemes >1ha • Works for the transfer of water resources between river basins >1ha
Other projects	N/A	<ul style="list-style-type: none"> • Permanent racing and test tracks for motorised vehicles >1ha • Waste-water treatment plants >1,000 sqm • Sludge-deposition sites and storage of scrap iron, where area of deposit or storage >0.5 ha or a deposit is to be made within 100m of any controlled waters • Test benches for engines, turbines or reactors; Installations for the manufacture of artificial mineral fibres; Installations for the recovery or destruction of explosive substances; or Knackers' yards >1,000 sqm new floorspace
Tourism and leisure	N/A	<ul style="list-style-type: none"> • Ski-runs, ski-lifts and cable-cars and associated developments >1ha or the height of any building or other structure >15m • Marinas where enclosed water surface >1,000 sqm • Holiday villages and hotel complexes outside urban areas and associated developments; or theme parks where the area of the development >0.5ha • Permanent camp sites and caravan sites >1ha • Golf courses and associated developments >1ha



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Appendix 3.3

Review of development plans for the cumulative effects assessment



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1. REVIEW OF DEVELOPMENT PLANS FOR THE CUMULATIVE EFFECTS ASSESSMENT

1.1.1 This appendix sets out the current and emerging strategic planning policies and site allocations relevant to the Zone of Influence (ZOI) for the CEA. The ZOI incorporates areas of the twelve Local Planning Authorities listed in Table 3.3.1. The Development Plan Documents for each of these authorities are also noted.

Table 3.3.1 Local Planning Authorities Development Plan Documents (excluding adopted Waste and Minerals Plans and Neighbourhood Plans)

Local Planning Authority	Development Plan Document	Status
Spelthorne Borough Council	Core Strategy and Policies DPD (February 2009)	Adopted
	Allocations DPD (December 2009)	Adopted
Runnymede Borough Council	Local Plan 2001	A number of policies have subsequently been 'saved' and remain relevant
	Runnymede 2030 Draft Local Plan	Emerging – Draft (Regulation 19) Local Plan published for consultation 11 th January 2018
The Royal Borough of Windsor and Maidenhead	Local Plan Incorporating Alterations Adopted June 2003)	A number of policies have subsequently been 'saved' and remain relevant
	Maidenhead Town Centre Area Action Plan (September 2011)	Adopted
	Emerging Borough Local Plan	Emerging – submitted to CLG 31 st January 2018
London Borough of Hillingdon	Unitary Development Plan (UDP) Policies	A number of policies have subsequently been 'saved' and remain relevant
	Hillingdon's Local Plan: Part 1 - Strategic Policies (2012)	Adopted
	Hillingdon's Local Plan: Part 2 – Site allocations and designations revised proposed submission version (October 2015)	Emerging – to be submitted for examination February 2018
	Hillingdon's Local Plan: Part 2 – Development Management Policies October 2015 (Submission version)	Emerging – to be submitted for examination February 2018
	The London Plan: the spatial development strategy for London consolidated with alterations since 2011 (March 2016)	Adopted
	The London Plan: the spatial development strategy for Greater London draft for public consultation (December 2017)	Emerging – consultation version published December 2017
Three Rivers District Council	Core Strategy (October 2011)	Adopted
	Site Allocations LDD (November 2014)	Adopted
	Development Management Policies (July 2013)	Adopted
Chiltern District Council	The adopted Local Plan (1997)	A number of policies have been 'saved' and remain part of the development plan
	The Adopted Core Strategy (2011)	Adopted
	Joint Local Plan for Chiltern and South Bucks Districts	Emerging - Issues and Options published January 2016 and Green Belt preferred options published in October 2016. A 'Green Belt Development Options Appraisal Post Preferred Green Belt Options Consultation' subsequently published in November 2017.
Elmbridge Borough Council	Core Strategy (July 2011)	Adopted
	Development Management Plan (April 2015)	Adopted
London Borough of Ealing	Core Strategy (2012)	Adopted
	Development Management DPD (2013)	Adopted
	Development Site DPD (2013)	Adopted
	The London Plan: the spatial development strategy for London consolidated with alterations since 2011 (March 2016)	Adopted
	The London Plan: the spatial development strategy for Greater London draft for public consultation (December 2017)	Emerging – published for consultation December 2017



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London Borough of Hounslow	Hounslow Local Plan 2015 to 2030 volume one (September 2015)	Adopted
	Hounslow Local Plan 2015 to 2030 volume two (September 2015)	Adopted
	Draft Great West Corridor Local Plan review (October 2017)	Emerging – preferred options consultation published October 2017
	West of Borough Local Plan review (October 2017)	Emerging – preferred options consultation published October 2017
	Draft Amendments to the existing Local Plan (October 2017)	Emerging – published for consultation October 2017
	The London Plan: the spatial development strategy for London consolidated with alterations since 2011 (March 2016)	Adopted
	The London Plan: the spatial development strategy for Greater London draft for public consultation (December 2017)	Emerging – consultation version published December 2017
London Borough of Richmond-upon-Thames	UDP (March 2005) Policies	A number of policies have subsequently been 'saved' and remain relevant
	Core Strategy (2009)	Adopted
	Development Management Plan (2011)	Adopted
	Twickenham Area Action Plan (2013)	Adopted
	Local Plan Review (2017)	Emerging – Consultation on main modifications (Dec 2017 – Feb 2018)
	The London Plan: the spatial development strategy for London consolidated with alterations since 2011 (March 2016)	Adopted
	The London Plan: the spatial development strategy for Greater London draft for public consultation (December 2017)	Emerging – consultation version published December 2017
Slough Borough Council	Local Plan (2004)	A number of policies have subsequently been 'saved' and remain relevant
	Core Strategy 2006 - 2026 and Site Allocations DPD	Adopted
	Review of the Local Plan	Emerging - Issues and Options published January 2017.
South Bucks District Council	The adopted Local Plan (1999)	A number of policies have been 'saved' and remain part of the development plan
	The Adopted Core Strategy (2011)	Adopted
	Joint Local Plan for Chiltern and South Bucks Districts	Emerging - Issues and Options published January 2016. A 'Green Belt Development Options Appraisal Post Preferred Green Belt Options Consultation' subsequently published in November 2017.



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- 1.1.2 Table 3.3.2 and Table 3.3.3 set out strategic planning policies and site allocations from each authority's current and emerging Development Plan Documents (excluding Waste and Minerals Plans and Neighbourhood Plans). Policies and site allocations have been included within Table 3.3.2 if they meet both of the following criteria:
1. Policies or allocations which relate to areas/places or sites located within the ZOI boundary
 2. Sites allocated for 150 or more residential units or greater than 15,000 sqm non-residential floorspace (for Sites without an indicative development capacity a 0.5 ha site area threshold has been applied)
- 1.1.3 Table 3.3.3 sets out the current and emerging housing targets for the four London boroughs which the scheme spans.
- 1.1.4 Highlighted rows in Table 3.3.2 and 3.3.3 represent development sites for which a planning application has been brought forward. These developments therefore fall within the Tier 1 inclusion thresholds and appear in **Appendix 3.4: Initial schedule of development**.

Table 3.3.2 Strategic policies and site allocations

Site/Scheme Name	Location	Description	Para/ Page Ref.	Policy/Site Allocation Ref.	Figure/ Proposals Map Ref.	Timescales (where stated)	Additional comments/ further information
Spelthorne Core Strategy and Policies Development Plan Document (adopted 26 February 2009)							
-	Plan wide	Draft Regional Spatial Strategy requirement for Spelthorne – 3320 additional dwellings between 2006 and 2026 (166 dwellings per year)	Table 3	-	-	2006 - 2026	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	The spatial strategy will meet future development requirements from within the existing urban area which lies broadly across the middle of the Borough.	4.2	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	Employment growth will occur in Staines and through implementation of existing commitments, including those at Heathrow T5 just outside the Borough and Shepperton Studios	4.6	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	Growth in retail floorspace needs of approximately 32,000 sq.m will be met in Staines with the role of the other three main centres of Ashford, Shepperton and Sunbury, and other existing local centres and parades, maintained to meet local needs	4.7	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	The extent of the existing urban area will be maintained and provision for all new development will be made within it. Larger well sited Employment Areas will be retained and increases in employment development accommodated in those locations and particularly in Staines town centre.	-	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	Provision will be made for sufficient numbers of dwellings to meet the draft Regional Spatial Strategy for the South East requirement for Spelthorne.	-	SP2 'Housing Provision'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	The Council will maintain the employment capacity by maintaining well sited larger Employment Areas and supporting the renewal and improvement of employment floorspace to meet needs.	-	SP3 'Economy and Employment Land Provision'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	The Council will allow further employment development on existing employment land outside designated Employment Areas where it can be demonstrated the development can take place in an acceptable way.	-	EM2 'Employment Development on Other Land'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	The strategy for town centres and retailing is to provide for the continued development of Staines as Spelthorne's principal town centre, and maintaining the role of Ashford, Shepperton and Sunbury	8.1	SP4 'Town Centres and Retail Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.



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		Cross as local centres and also maintaining the role of smaller centres and parades in serving their local neighbourhood					
-	Staines	The location of approximately 25% of housing (820 dwellings), including 4 allocation sites. Two employment designations (commercial area of town centre and London Road east of Crooked Billet). It will provide an additional 32,000 sq.m of retail floorspace (through 2 phased extensions to the Elmsleigh Centre and later through additional space north of the High Street).	Table 1	SP1 'Location of Development'	-	-	Refer to No. 125 of CEA schedule.
-	Ashford	The location of approximately 1250 additional dwellings. Designations for employment in town centre and at Spelthorne Lane/Littleton Road	Table 1	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Stanwell (including Stanwell Moor)	The location of approximately 450 additional dwellings. Land at Northumberland Close and Long Lane designated for employment	Table 1	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Shepperton including Charlton and Upper Halliford	The location of approximately 370 additional dwellings. Shepperton Centre and Shepperton Studios designated for employment	Table 1	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Sunbury	The location of approximately 430 additional housing dwellings. Areas designated for employment include: Sunbury Cross, Windmill Road, Hanworth Road and BP at Chertsey Road	Table 1	SP1 'Location of Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Around Heathrow	Employment land requirements within and around the airport would need to be re-examined should further expansion be agreed and that this may in turn require a future review of the employment land strategy if additional land is shown to be needed. Other aspects of the spatial strategy may also require review	7.9	SP3 'Economy and Employment Land Provision'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Employment Areas	The following designated Employment Areas will be retained and proposals in these areas for employment development will be supported in principle: Staines town centre Ashford town centre Shepperton centre Sunbury Cross centre Windmill Road, Sunbury Hanworth Road and Country Way, Sunbury Ashford Road, Littleton Road and Spelthorne Lane, Ashford London Road (East of Crooked Billet roundabout), Staines Bedfont Road, Long Lane, Stanwell (including Northumberland Close and Camgate Estate) BP Chertsey Road, Sunbury Shepperton Studios, Shepperton	-	EM1 'Employment Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Staines	The Council will seek the continued improvement of Staines as the principal town centre serving north Surrey. It will make provision for further retailing and related services, and support employment development.	-	SP4 'Town Centres and Retail Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.

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-	Staines	Provision will be made for a further 32,000 sq.m of retail development and measures encouraged to improve traffic management in the town centre.	-	TC1 'Staines Town Centre'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Ashford, Shepperton and Sunbury Cross	Within the defined Employment Areas of Ashford, Shepperton and Sunbury Cross the Council will encourage mixed use development combining offices with residential and other uses that contribute positively to the centre, where the existing amount of employment floorspace is retained.	-	TC3 'Development in Ashford, Shepperton and Sunbury Cross'.	-	-	General policy: This has not been cross referenced with the CEA schedule.
Spelthorne Development Plan Allocations Development Plan Document (adopted December 2009)							
The Elmsleigh Centre and adjoining land	Staines	Development to take place in the western and southern parts of the site in 2 phases: Phase 3 – redevelopment of the centre and extension to the south to provide approx. 2,500 sq.m of retail floorspace, at least 30 flats and improvements to the bus station. Phase 4 – extension of the centre to provide at least 18,000 sq.m of retail floorspace, non-retail uses, approximately 65 flats and additional parking.	-	A10	-	Phase 3 2009-2014, Phase 4 2019-2024	The Council's 2017 Annual Monitoring Report states that the site has planning permission for 124 net units. 124 residential units may also come forward in Phase 4. The AMR states that implementation of Phase 3 may now be beyond the five year supply position of 2017-2022 and the retail element of the scheme hasn't yet been brought forward. Not identified in CEA. LPA website suggests planning application has not come forward as of 08/03/2018.
Runnymede Borough Council Local Plan Saved Policies 2007							
-	Plan-wide	The following employment development opportunities in will be promoted: (a) development in the revitalisation areas; (b) redevelopment or intensification of existing employment sites where appropriate; (c) limited development as part of mixed use schemes of new sites in the town centres.	-	LE1 'General Economic Policy'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Proposals for hotel development will normally be permitted in the urban area.	-	R11 'Hotels and Guest Houses'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Economic development in urban areas outside town centres	The redevelopment of existing industrial, office or warehousing premises to provide business uses will normally be granted. The following will only be permitted if they do not cause harm to the amenity of the neighbourhood or to the environment generally: (a) schemes within use class B8 (Storage and Distribution) over 5,000 square metres (53,820 sq.ft.) or (b) schemes to provide uses within use class B2 (General Industry/Special Industry) within predominantly residential areas.	-	LE4 'Existing economic sites'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Town Centres	Retail floorspace should be located primarily in town centres and accord with the town centre strategies proposed in Policy TC1	-	SH01 'General level of provision'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Core areas	In the core area of Egham, additional retail floorspace and redevelopment schemes will be permitted where they accord with Policy TC1 and are compatible with the role and character of the town centre.	-	SH03 'Retail Development within Core Areas'	-	-	General policy: This has not been cross referenced with the CEA schedule.

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-	Town Centres outside core areas	Outside the shopping cores but within the town centres, proposals for uses within Classes A1-A3 will be acceptable if they do not harm the vitality or viability of the core area or on any other town centres and have regard to the town centre strategies	-	SH04 'Town Centres Outside Core Areas'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Egham Town Centre	May be opportunities to increase residential floorspace.	-	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
Runnymede Draft Local Plan (January 2018)							
-	Plan wide	A minimum of 7,413 net additional dwellings will be provided over the plan period. 7,540 sq.m net retail floorspace will be delivered in the town centres through existing allocations and permissions A minimum of 60,260 sq.m net employment floorspace will be delivered in the remaining Strategic Employment Areas.	-	SD2 'Spatial development Strategy'	-	-	Employment Land Review states that there could be a shortage of industrial land of 138,887 sq.m General policy: This has not been cross referenced with the CEA schedule.
-	Town centres	The town centres of Addlestone, Chertsey and Egham will be the focus for regeneration and retail development within the Borough.	5.28	-	-	-	Only Egham located in the ZOI General policy: This has not been cross referenced with the CEA schedule.
-	Egham including the area of Staines upon Thames located within the borough	Expected minimum growth: 821 net additional dwellings 2821 Student bedspaces 5 traveller pitches 24 C2 dwellings 38,700 sq.m of net additional employment at the Causeway and Pinetrees Strategic Employment Area.	-	SD2 'Spatial Development Strategy'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Thorpe	Expected minimum growth: 43 net additional dwellings 17 C2 dwellings 1,560 sq.m of net additional employment at Thorpe Industrial Estate Strategic Employment Area	-	SD2 'Spatial Development Strategy'	-	-	Not identified in CEA.
-	Estates renewal	144 net additional dwellings	-	SD2 'Spatial Development Strategy'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Thorpe Lea Road West, Egham	Residential development incorporating a minimum of 200 residential units and 3 traveller pitches	-	SD3 'Site Allocations'	-	2019-2021	LPA website suggests application has not been submitted as of 8/3/18 Not identified in CEA schedule.
Windsor and Maidenhead Local Plan (Incorporating Alterations Adopted June 2003) Saved Policies 2011							
-	Plan-wide	Sufficient housing land will be allocated to provide approximately 860 dwellings between April 1 st 1991 and 30 th March 2006. Planning permission will not be granted for the development of a site more than 12 months before the beginning of the phase to which it is allocated.	-	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Development will usually be restricted to the employment areas identified on the proposals map, the town centre commercial areas of Windsor and Maidenhead, and small settlement commercial areas. In other areas outside the green belt permission will not be given for such uses except where the proposal: 1) relates to a site in an existing business, industrial or warehousing use; or	-	E1 'Business and Industrial Warehousing'	-	-	General policy: This has not been cross referenced with the CEA schedule.



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		2) involves small scale development of less than 100sq.m on any one site within the period of the plan; or 3) is necessary to secure the future of a listed building.					
-	Plan-wide	New retail development will be permitted where this would enhance the attractiveness and viability of existing centres	-	S1	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	The council will expect development for new major retail uses to be located within the centres of Windsor, Maidenhead, Sunningdale and Ascot, or if suitable sites are not available, close to the edge of those centres.	-	S5	-	-	Only Windsor located within the ZOI. General policy: This has not been cross referenced with the CEA schedule.
-	Employment areas	The Employment Areas listed below are allocated primarily for industrial and small scale distribution and storage uses: Vansittart road industrial estate, Windsor; Shirley avenue/vale road industrial area, Windsor; Fairacres industrial estate, Windsor;	-	E2	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Employment Areas	Development for business use will be permitted within the remaining employment areas identified on the proposals map provided that where appropriate the new buildings are designed to accommodate a range of office, research and development and light industrial uses.	-	E3	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Employment Areas	Extensions to the identified Employment Areas will not be permitted except where the proposal is small in scale compared to existing development and would not adversely affect the amenities of any adjacent occupiers.	-	E4	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Other Sites in Business and Industrial Uses	Proposals for development or redevelopment for business, industrial or warehousing uses outside the green belt will be acceptable on sites already in such use subject to normal development control criteria and provided that proposals would not: lead to an undesirable intensification of activity to the detriment of the local environment, or to the amenities of neighbouring properties.	-	E6	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Green Belt	Infilling development or complete or partial redevelopment may be permitted on the following designated 'major developed sites in the green belt': Beaumont college, old Windsor; Legoland, Windsor	-	GB9	-	-	Not identified on CEA.
-	-	The following sites are allocated for additional retail development: Windsor town centre - R/O 131-133 Peascod Street; and Windsor and Eton Central Station St Leonards Road - Library site and adjoining land	-	S2	-	-	General policy: This has not been cross referenced with the CEA schedule.
River Street	Windsor	Allocated for a new 150-bedspace hotel	-	TM1	-	-	Not identified on CEA Schedule. There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule.
-	Outside green belt	Outside the green belt additional visitor bed-spaces will be permitted where various criteria are met.	-	-	-	-	General policy: This has not been cross referenced with the CEA schedule.

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	Town Centres	The council will grant planning permission for additional residential accommodation within town and other settlement centres outside the green belt	-	H6	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Windsor Town Centre	Opportunities for the consolidation of the primary shopping core will be promoted	-	WTC1	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Windsor Town Centre	Residential accommodation will be required in appropriate redevelopment and refurbishment schemes	-	WTC3	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Windsor Town Centre	The principal development opportunities are in the Peascod Street/Bachelors Acre and Thames Street/River Street areas. At Jennings Yard, River Street there is an opportunity for a large hotel scheme, other riverside facilities (e.g. restaurants) and increased frontage for additional retail units	7.2.7 – 7.2.9	-	-	-	Not identified on CEA Schedule. There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule.
-	Windsor Town Centre	Major development sites include: Peascod Street and Area – Mixed use retail, office and residential scheme. 3 storeys. Land to the rear of 131-133 Peascod Street – retail use Windsor and Eton Central Railway station – retail and leisure scheme completed	Schedule to Policy WTC6	WTC6	W2, W4 and W6	-	Not identified on CEA Schedule. There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule.
Windsor and Maidenhead Borough Local Plan 2013-2033 Submission version 2017							
-	Plan-wide	The Borough Local Plan will provide for at least 14,240 new dwellings in the plan period up to 2033.	-	Policy HO1 'Housing Development Sites'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	The majority of development will be focussed in three growth areas (Maidenhead, Windsor and Ascot). New development will largely be focused on the strategic growth location of Maidenhead. Higher intensity development will be encouraged within and near to Maidenhead town centre.	-	SP1 'Spatial Strategy for the Royal Borough of Windsor and Maidenhead'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	The Borough will seek to make provision for at least 11,200 net new jobs across a range of floorspaces including at least 130,700sq.m of B Class use floorspace comprising: 81,300 sq.m of B1 uses 24,500sq.m of B2 uses 24,900m2 of B8 uses	-	ED1 'Economic Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
Land north and east of Churchmead Secondary School, Priory Road, Datchet	-	Allocated for 175 residential units (net)	-	HA41	-	-	LPA website suggests application has not been submitted as of 8/3/18 Not identified on CEA.
Land at Slough Road/Riding Court Road, Datchet	-	Allocated for 150 residential units (net)	-	HA42	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified on CEA.
-	Employment sites	Designated Business Areas include: Windsor Dials, Windsor Centrica, Millstream Windsor	-	ED2 'Employment Sites'	-	-	General policy: This has not been cross referenced with the CEA schedule.



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		<p>Alma Road, Windsor</p> <p>Designated Industrial Areas include:</p> <p>Vansittart Road Industrial Area, Windsor</p> <p>Fairacres Industrial Area, Windsor</p> <p>Manor House Lane Employment Estate, Datchet</p> <p>Designated Mixed Use Areas include:</p> <p>Land north and east of Churchmead Secondary School, Priory Road, Datchet</p> <p>Shirley Avenue (Vale Road Industrial Estate), Windsor</p> <p>Established Employment sites in the Green Belt</p> <p>Ditton Park, Riding Court Lane, for B1 uses</p> <p>Grove Park, Business Park, White Waltham, Mixed Uses</p> <p>Within business areas and mixed use areas, intensification of employment activity will be encouraged. An element of residential development may be acceptable in mixed use areas (quantum of employment space should not be reduced).</p> <p>Within industrial areas there will be a strong presumption in favour of retaining premises suitable for industrial, warehousing and similar types of uses, along with premises suitable for smaller and start-up businesses. Proposals for new premises suitable for these types of uses will be supported.</p>					
-	Town Centres	<p>The area's centres will be supported and strengthened.</p> <p>Windsor and Maidenhead will be the preferred location for the development of main town centre uses.</p>	-	TR1 'Hierarchy of Centres'	-	-	<p>Maidenhead not located within the ZOI.</p> <p>General policy: This has not been cross referenced with the CEA schedule.</p>
-	Windsor and Maidenhead Town Centres	<p>Windsor and Maidenhead will be the main focus for major visitor related development.</p>	-	VT1 'Visitor Development'	-	-	<p>Maidenhead not located within the ZOI.</p> <p>General policy: This has not been cross referenced with the CEA schedule.</p>
London Borough of Hillingdon Unitary Development Plan (1998) Saved Policies							
Western Core Area, Hayes – northern part of the west side of Station Road, Hayes	Hayes	Retail or mixed use development comprising retail with office and residential uses	p272	PR2	-	-	<p>General policy: This has not been cross referenced with the CEA schedule.</p>
Site at Blyth Road	Hayes	Employment generating uses (B1, B2 and B8 uses only)	p274	PR4	-	-	<p>Refer to No. 259, 265 and 266 of CEA schedule.</p>
RAF West Drayton	West Drayton	Residential development and Care Home (C2). 415 dwellings, an 80-unit elderly care home, playing field and open space	p278	PR8	-	-	<p>Refer to No. 241 of CEA schedule.</p>
Land at North Hyde Gardens, Hayes	West Drayton	Business, industrial and warehousing purposes	p280	PR10	-	-	<p>There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule.</p>



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Land at Coppermill Lock, Park Lane, Harefield –	Uxbridge and Harefield	Industrial, residential and leisure uses	p286	PR16	-	-	There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule.
Breakspear House, Breakspear cottages and Stables	Uxbridge and Harefield	Residential redevelopment of stables and colleges	p290	PR19	-	-	Not identified on CEA Schedule.
Harefield Hospital Site	Uxbridge and Harefield	Health use	p290	PR20	-	-	Refer to No. 258 of CEA schedule.
Brunel university	Uxbridge and Harefield	Development associated with the university's functioning as a centre for academic learning and research	p292	PR22	-	-	Refer to No. 225, 226 and 227 of CEA schedule.
Hillingdon Core Strategy (2012)							
-	Plan-wide	Housing target (minimum provision) of 6,375 dwellings over the plan period	-	Policy H1	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Strategic objective to provide 9,000 new jobs and accommodate most economic growth in Uxbridge and the Heathrow Opportunity Area	-	Policy E2 'Location of Employment Growth'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	A minimum of 3,800 additional hotel bedrooms, and new hotels and visitor facilities will be encouraged in Uxbridge, Hayes, on sites outside of designated employment land on the Heathrow perimeter and in other sustainable locations	-	Policy E2 'Location of Employment Growth'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Heathrow Opportunity Area: Stockley Park sub area	Estimated capacity of 5,000 new jobs. Opportunities to extend the business park and to include a hotel.	Table 5.3	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Heathrow Opportunity Area: Heathrow Airport and Perimeter	Land within the airport will continue to be protected for activity directly related to the airport. Outside the boundary there is a requirement to balance demand for hotel and employment uses in order to manage economic growth.	Table 5.3	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Heathrow Opportunity Area	Hayes has capacity for an additional 3,345 sq.m of comparison retail floorspace for the plan period which will be accommodated within the existing town centre.	Table 5.3	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	RAF Uxbridge site	The RAF Uxbridge town centre extension is estimated to include approximately 14,000 sq.m B1a offices, a 90 bed hotel and deliver 1,160 permanent jobs.	Table 5.4	-	-	-	Refer to No. 215 – 221 and 255 of CEA schedule
-	Uxbridge	Uxbridge requires an estimated 18,855 sq.m net of comparison goods floorspace between 2011 and 2026	Table 5.4	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
Hillingdon Draft Site Allocations (October 2015)							
The Old Vinyl Factory and	-	Residential-led mixed use development: Up to 642 residential units	P26	SA2	-	By 2026	Refer to No. 232-234 of CEA schedule



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Gatefold Building		Up to 7,886 sqm of new B1 floorspace Up to 4,000 sq.m of A classes Up to 4,700 sqm of D1 and D2 uses Energy centre 340 sq.m café/community room 382 sq.m of Workshop units					
Eastern end of Blyth Road, Hayes	-	Extant Planning permission for Residential led-mixed use development: 273 units 600 sq.m of business space	P29	SA3	-	By 2021	There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule.
Land to the south of railway including Nestle	-	Extant Planning permission for Residential development. Allocated for mixed use development: 707 units Open space and sports pitch Education facilities	P34	SA5	-	By 2026	Refer to sites No. 171, 175 and 194 of CEA schedule.
Chailey Industrial Estate, Pump Lane, Hayes	-	Allocated for residential development and small scale commercial uses at ground floor: 198 residential units	P74	SA22	-	-	LPA website suggests application has not been submitted as of 13/3/2018. Not identified on CEA schedule.
Silverdale Road/Western View	-	Residential redevelopment: 201 units (net gain of 177 units)	P76	SA23	-	By 2021	Refer to site No. 273 of CEA schedule.
St Andrews Park, Uxbridge	-	Extant Planning Permission for Mixed use development. Allocated for residential, office, hotel, commercial uses, and education facilities: 1340 residential units 14,000 sq.m office floorspace 90-bed hotel	P89	SA28	-	By 2026	Refer to No. 214 to 221 of CEA schedule.
Cape Boards, Iver Lane, Cowley	-	Mix of commercial uses (B1,B2 and B8), 315 residential uses, publically accessible open space	P91	SA29	-	By 2026	LPA website suggests application has not been submitted as of 13/3/2018. Not identified on CEA.
Grand Union Park, Packet Boat Lane	-	Extant Planning Permission for Residential use Allocated for 110-190 residential units	P93	SA30	-	By 2016	Refer to No. 213 on CEA schedule.
Former NATS Site, Porters Way, West Drayton	-	Extant Planning Permission for Phased mixed use development Allocated for residential, D1 (Primary Healthcare facility including joint community use), C2 Nursing Home, A1-A3 shop units, B1 business units, Energy Centre: 775 residential units 1,085 sq.m D1 Up to 185 sqm B1 use Up to 220 sq.m Energy Centre	P97	SA32	-	By 2021	Refer to No. 241 of CEA schedule for extant permission.



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Former Coal Depot, Tavistock Road	-	Allocated for 168-189 residential units, B1 office, community infrastructure and open space	P107	SA37	-	By 2026	LPA website suggests application has not been submitted as of 13/3/2018. Not identified in CEA schedule.
Padcroft Works, Tavistock Road	-	Extant Planning Permission for Mixed Use Development Allocated for approved scheme (residential use and B1 use): 308 residential units and 175 sq.m of B1 floorspace	P109	SA38	-	By 2021	Refer to No. 184, 185 and 242 on CEA schedule.
Three Rivers District Council Core Strategy (adopted October 2011)							
-	Plan-wide	The Council will identify sufficient land to meet a housing target of 180 dwellings per year until 2026.	-	-	-	2013- 2026	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Considered to be an over-supply of office floorspace in the district and a slight undersupply (3.5ha) of industrial and warehousing space.	Para 5.58	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Housing provision will be made primarily from within the urban area (75%) and from housing sites at the most sustainable locations on the edge of existing settlements	-	CP2 'Housing Supply'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Key Employment Areas.	Employment use will continue to be focussed within the key employment areas within the District. These include Maple Cross/Maple Lodge and Rickmansworth Town Centre	-	CP6 'Employment and Economic Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	A net gain of approximately 2000 sq.m of comparison (non-food retail) will be provided by 2021 (1050 sq.m by 2016 and the remaining 950 sq.m by 2021)	-	CP7 'Town Centres and Shopping'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Rickmansworth	Rickmansworth is the Principal Town in the District.	4.3	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Rickmansworth	Development in Rickmansworth will provide approximately 15% of the District's housing requirements over the plan period	-	PSP1 'Development in the Principal Town'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Key Centres – South Oxhey, Croxley Green, Abbots Langley, Chorleywood, Leavesden and Garston and Mill End	Will provide approximately 60% of the District's housing requirements over the plan period	-	PSP2 'Development in the Key Centres'	-	-	Chorleywood and Mill End the only key centres located within the ZOI. General policy: This has not been cross referenced with the CEA schedule.
-	Secondary Centres (Kings Langley, Carpenders Park, Eastbury, Maple Cross, Moor Park, Oxhey Hall)	Provide approximately 24% of the District's housing requirements	-	PSP3 'Development in Secondary Centres'	-	-	Maple Cross the only Secondary Centres located within the ZOI General policy: This has not been cross referenced with the CEA schedule.
Mill End/Maple Cross – Land east of A405/north of A412	Mill End/Maple Cross	Allocated for an all through school	-	S(a)	-	Application for secondary school approved	Refer to No. 288 on CEA schedule.

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							22 nd Dec 2016
Chiltern District Council Core Strategy (2011)							
-	Plan-wide	The Council will aim to achieve the delivery of 2,900 dwellings over the Core Strategy period (housing target is 2,650 dwellings – 2,900)	9.3	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
Land at Newland Park, Chalfont Common	Chalfont Common	Allocated for residential development. 2013/14 Annual Monitoring Report indicates theoretical capacity of 300 dwellings.		CS7 'Major Developed Sites within the Green Belt allocated for housing'	-		Refer to No. 306 on CEA schedule.
-	Chesham, Chalfont St Peter, Amersham, Little Chalfont	Built up area of main settlements expected to accommodate 1,685 – 1,935 dwellings	Table 2	-	-	-	Only Amersham and Little Chalfont located within ZOI. Not identified in CEA.
Elmbridge Core Strategy (July 2011)							
-	Plan-wide	The Council will plan for approximately 3,375 net additional dwellings (225 per annum) between 2011 and 2026	-	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Walton and Weybridge	The most sustainable locations for development in the borough. They provide opportunities to accommodate new development.	P19	CS1 'Spatial Strategy'	-	-	Only part of Walton-upon Thames located in ZOI. General policy: This has not been cross referenced with the CEA schedule.
-	Town and village centres	Will continue to be the focus for new development. Further town centre development will be encouraged in Walton-on-Thames where it adds to the overall vitality and viability, is of an appropriate scale and makes a positive contribution to environmental improvements in the town.	P20	CS1 'Spatial Strategy'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Town Centres	Depending on the nature of employment to be provided, economic growth will be focussed within the borough's town centres, strategic employment sites and in close proximity to the various visitor attractions in the borough.	P20	CS1 'Spatial Strategy'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Walton	Location of 675 – 725 dwellings over plan period (2011-2026) Potential for 20,000 sq.m additional office floorspace (primarily in town centre but also potentially in employment areas at Hershams Road North and Lyon Road/North Weylands)	Para 6.10/Appendix 2	-	-	285 units between 2011-16 195 units between 2016-21 195 units between 2021-26	Refer to No. 317, 318 of CEA schedule. Application does not account for full number of units set out in the policy.
-	East and West Molesey	Location of 475 – 525 dwellings over plan period Potential for additional 11,000 sq.m of warehousing/distribution space at Molesey Industrial Estate	Para 6.10/Appendix 2	-	-	158 units between 2011-16 158 units between 2016-21 158 units between 2021-26	Refer to No. 319 of CEA schedule. Application does not account for full number of units set out in the policy.



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-	Long Ditton, Thames Ditton, Hinchley Wood and Weston Green	Location of 375 - 425 dwellings over plan period.	Para 6.10/ Appendix 2	-	-	165 units between 2011-16 105 units between 2016 – 21 105 units between 2021 - 26	Long Ditton is outside of ZOI. Not identified on CEA Schedule
-	Thames Ditton, Long Ditton Hinchley Wood and Weston Green	The redevelopment of the Government Offices site will make a significant contribution to delivering new housing in the are	-	Policy CS8 'Thames Ditton, Long Ditton, Hinchley Wood and Weston Green'	-	-	Not identified on CEA Schedule
London Borough of Ealing Core Strategy (April 2012)							
-	Plan-wide	Aim to provide 14,000 additional homes, 94,500 sqm of new office floorspace, decrease net stock of industrial floorspace by 57,000 sqm (equivalent to 14 hectares) through managed release and provide up to 128,400 gross sqm of new retail floorspace by 2026	-	Policy 1.1 'Spatial vision for Ealing 2026'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Housing potential from large sites: Uxbridge Road Corrdior – 9,187 units A40 Corridor – 3,110 units Outside the Corridors – 110 units Whole Borough – 12,407	P8	This is the same allocation area referred to in the Ealing Development Site DPD 2013 and below.	-	2011-2026	A40 Corridor not located within ZOI Uxbridge Road Corridor - Refers to No. 154, 156 and 160 of CEA schedule. Application does not account for full number of units set out in the policy.
-	Plan-wide	Development of new homes, business and retail space will primarily be concentrated in: • The Uxbridge Road / Crossrail corridor - particularly Acton, Ealing and Southall town centres; around key stations at Acton Mail Line, Ealing Broadway and Southall; and, municipal housing estates including Copley Close, Green Man Lane, Havelock and South Acton. • The A40 / Park Royal corridor	-	Policy 1.1 'Spatial Vision for Ealing 2026'	-	-	Acton, Ealing and the A40/ Royal Park corridor are located outside of the ZOI See above.
-	Southall	Housing potential from large sites – 4,200 units	P8	-	-	2011-2026	General policy: This has not been cross referenced with the CEA schedule. See below for Southall allocations.
-	Uxbridge Road/ Crossrail Corridor	Over 9,000 extra housing units will be sought in the area by 2026	-	Policy 2.1 'Realising the potential of the Uxbridge Road/ Crossrail Corridor This is the same allocation area referred to in the Ealing Development Site DPD 2013	-	-	Uxbridge Road Corridor - Refers to No. 154, 156 and 160 of CEA schedule. Application does not account for full number of units set out in the policy.
-	Southall Town Centre	Revitalise the town centre, leading to the provision of up to 3,320 additional homes. Incorporate the retail development on the Gas works site and exclude the area south of The Green. The centre will be the location of development of up to 24-32,000 sq.m gross retail floorspace.	-	Policy 2.8 'Revitalise Southall Town Centre' This is the same allocation area referred to in the	-	-	Southall Gas Works Refer to No: 144 – 153 of CEA schedule.



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		Modify Southall station to cater for Crossrail services to provide increased capacity and improved facilities. Additional community facilities will be provided, including a community hub, extended schools and a new primary school. Up to 3,750 (2,620 by 2026) new homes will be provided on the Southall Gas Works site.		Ealing Development Site DPD 2013			
-	Havelock	Redevelop and refurbish the Havelock Estate, including the provision of 193 additional homes. To regenerate Middlesex Business Centre with mixed employment and other uses	-	Policy 2.9 'Regenerate the Havelock Area' This is the same allocation area referred to in the Ealing Development Site DPD 2013	-	-	Applications approved on site refer to No. 157, 158 and 159 of CEA schedule.
-	Residential Hinterlands	Provide an extra 100 homes by 2026.	-	Policy 4.1 'Enhance Residential Hinterlands'	-	-	General policy: This has not been cross referenced with the CEA schedule.
Ealing Development Site DPD 2013							
Southall Market	Southall	Mixed use development appropriate to the town centre, including retention and refurbishment of listed building and provision of a street market	-	SOU1	-	2011-2021	Not identified on CEA Schedule
Iceland, Quality Foods and 63-95 South Road	Southall	Mixed use development appropriate to the town centre, including provision of a range of retail/commercial unit sizes appropriate to a variety of occupier requirements	-	SOU2	-	2021-2026	Not identified on CEA Schedule
Beaconsfield Road/South Road	Southall	Continued education and community use, with introduction of complementary mixed use development appropriate to the town centre including A1/A2/A3, flexible business space and residential	-	SOU3	-	2011-2021	Not identified on CEA Schedule
Southall Crossrail Station	Southall	Comprehensive redevelopment with mixed uses appropriate to the town centre around the Crossrail Station and community/employment/residential to the east of existing pedestrian footbridge. Retention of the Gurdwara Sri Guru Singh Saba	-	SOU4	-	2011-2021	Not identified on CEA Schedule
Southall West	Southall	Residential-led mixed use development including retail, office, community, health, education, hotel, leisure, sports and public open space	-	SOU5 This is the same allocation area referred to in the Ealing Core Strategy (April 2012)	-	2011-2031	Southall Gas Works Refer to No: 144 – 153 of CEA schedule.
Southall East	Southall	Mixed use development including flexible employment floorspace (B1), residential and public open space, with ancillary commercial and community uses	-	SOU6 This is the same allocation area referred to in the Ealing Core Strategy (April 2012)	-	2011-2026	Refer to No. 159, 160, 140, 141, 142 and 143 of CEA reference.
Havelock Estate	Southall	Residential with ancillary commercial and community uses	-	SOU7 This is the same allocation area referred to in the Ealing Core Strategy (April 2012)	-	2011-2021	Refer to No. 157 and 158 of CEA schedule.
The Green	Southall	Mixed use development appropriate to the town centre, with continued protection of existing industrial uses on the Featherstone, Dominion and Suterwalla estates as a Locally Significant Industrial Site (LSIS) and retention of the Dominion Arts Centre	-	SOU8 This is the same allocation area referred to in the Ealing Core Strategy (April 2012)	-	2021-2026	Refer to No. 154 of CEA schedule.

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Johnson Street	Southall	Mixed use development for residential and business use. Retention of community centre	-	SOU10	-	2021-2026	Not identified on CEA Schedule
London Borough of Hounslow Local Plan 2015 – 2030 Part 1							
-	Plan-wide	Housing will be built at a rate that will exceed the London Plan annualised completion targets to achieve at least 12,330 new homes between 2015 and 2030. Annual monitoring target of 822 additional homes per year	-	Policy SC1 'Housing Growth'	-	2015-2030	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	The Retail Needs Study Update (2012) outlines the requirement for a minimum of 30,000 sq.m of additional comparison goods floorspace by 2021. Even after the floorspace in the retail pipeline is constructed, there is a need for additional retail floorspace.	P69	Supporting facts: Retail need	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Business opportunities stimulated by the borough's location close to Heathrow Airport and central London will be secured by ensuring that sufficient capacity is provided for anticipated sectors of employment growth. New office-based employment in the borough's four town centres will be promoted, as well as employment based growth within the Great West Corridor Strategic Outer London Development Centre in co-ordination with improvements to the public transport infrastructure, and other strategically and locally significant locations for employment.	-	Policy ED1 'Promoting Employment Growth and Development'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	The Hounslow Employment Land Review 2011 has identified a demand for an additional 200,000sqm office floorspace upto 2030... as there is already an existing office development pipeline of 110,000sqm, an additional 90,000 sqm of floorspace is required	4.1	-	-	2015-2030	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Between 2007 and 2026, 2,000 net additional hotel rooms will be required	4.7	-	-	2007 - 2026	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	4041 units expected to be delivered from large sites between 2015-2020	Table SC1.1A	-	-	2015-2020	General policy: This has not been cross referenced with the CEA schedule.
-	Plan-wide	Tall buildings will be supported in Hounslow town centre and along sections of the A4 Golden Mile frontage. A limited number of tall buildings will be supported in Brentford and Feltham town centres.	-	Policy CC3 'Tall Buildings	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Opportunity Areas	The best opportunities for housing growth are at the emerging Opportunity Area at the Great West Corridor and thorough a review of the west of the borough including the Heathrow Opportunity Area	5.4	-	-	2015-2030	General policy: This has not been cross referenced with the CEA schedule.
-	Hounslow and Brentford	The regeneration of these town centres will be particularly supported.	-	TC2 'Ensuring the future vitality of town centres'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Brentford	Expected to be the location of 3,103 residential units over the plan period as set out below: 2015-20: 1454 units 2020-25: 1321 units 2025-30: 228 units	Table SC1.1	-	-	-	Only part of Brentford located within the ZOI Not identified on CEA Schedule

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-	Cranford and Heston	Expected to be the location of 575 residential units over the plan period as set out below: 2015-20: 313 units 2020-25: 42 units 2025-30: 220 units	Table SC1.1	-	-	-	Refer to No. 56 – 58, 108 and 90 of CEA schedule.
-	Feltham	Expected to be the location of 643 residential units over the plan period as set out below: 2015-20: 63 units 2020-25: 135 units 2025-30: 445 units	Table SC1.1	-	-	-	Not identified on CEA Schedule
-	Hounslow	Expected to be the location of 3,103 residential units over the plan period as set out below: 2015-20: 1454 units 2020-25: 1321 units 2025-30: 228 units	Table SC1.1	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Hounslow West	Expected to be the location of 624 residential units over the plan period as set out below: 2015-20: 114 units 2020-25: 128 units 2025-30: 382 units	Table SC1.1	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Isleworth	Expected to be the location of 893 residential units over the plan period as set out below: 2015-20: 263 units 2020-25: 299 units 2025-30: 331 units	Table SC1.1	-	-	-	Not identified on CEA Schedule
-	Osterley and Spring Grove	Expected to be the location of 263 residential units over the plan period as set out below: 2015-20: 198 units 2020-25: 15 units 2025-30: 50 units	Table SC1.1	-	-	-	Not identified on CEA Schedule
-	Hanworth	Expected to be the location of 155 residential units over the plan period as set out below: 2015-20: 21 units 2020-25: 37 units 2025-30: 97 units	Table SC1.1	-	-	-	Not identified on CEA Schedule
-	Bedfont	Expected to be the location of 131 residential units over the plan period as set out below: 2015-20: 0 units 2020-25: 31 units 2025-30: 100 units	Table SC1.1	-	-	-	Not identified on CEA Schedule
-	Heathrow Opportunity Area	12,000 jobs and 9,000 homes could be accommodated in the area.	10.7	-	-	-	General policy: This has not been cross referenced with the CEA schedule.

Hounslow Local Plan Part 2 (2015-2030)



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BSKYB	Brentford	Allocated for employment use	-	06 Brentford	-	2015-2020	Refer to No. 45, 46 and 47 of CEA Schedule.
Gillette	Brentford	Allocated for employment use	-	07 Brentford <i>This is the same allocation site referred to in the Hounslow Great West Corridor: Local Plan Review (Preferred Options Consultation October 2017)</i>	-	2015-2020	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Commerce Road	Brentford	Allocated for mixed use, including residential, commercial (B1a and ancillary retail/services (A1-A4)), waterside leisure, education and community uses. Capacity for 520 dwellings.	-	16 Brentford	-	2015-20	Draft Local Plan Amendments Document 2017 highlights intention to delete allocation. Development has been completed (various planning applications) LPA website suggests application has not been submitted as of 9/3/18. Not identified in CEA.
632-652 London Road	Osterley and Spring Grove	Allocated for housing. Capacity for 155 dwellings.	-	23 Osterley and Spring Grove	-	2015-20	Draft Local Plan Amendments Document 2017 highlights intention to delete allocation. Development has been completed (Planning App ref: 00707/632-652/P29). Refer to No. 44 of CEA schedule.
Bell Road	Hounslow	Allocated For leisure, commercial and residential use (50:50 commercial to residential). Capacity for 127 dwellings	-	35 Hounslow	-	2015-25	Refer to No. 75 of CEA Schedule.
Central House	Hounslow	Allocated for offices, residential, leisure and community uses. Capacity for 171 dwellings	-	36 Hounslow	-	2015-25	Refer to No. 324 and 325 of CEA schedule. There have been other planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search.
High Street Quarter	Hounslow	Allocated for mixed use including leisure, retail and residential with public car parking Capacity for 525 dwellings.	-	37 Hounslow	-	2015-25	Refer to No. 70, 71 and 72 of CEA schedule. Expected start Feb 2017 and final phase anticipated to complete in 2021
Hounslow House	Hounslow	Allocated for residential and retail uses (50:50 floorspace ratio). Capacity for 300 dwellings. Extant planning permission for a new food store (5,350 sq.m convenience and 240 sq.m comparison) and 300 short stay car parking spaces	-	38 Hounslow	-	2015-25	Refer to No. 94 of our CEA schedule.
London Road North	Hounslow	Allocated for mixed use development including retail and town centre uses with residential (50:50 floorspace ratio) Capacity for 337 dwellings	-	41 Hounslow	-	2015-25	There have been planning applications submitted on this site, however, these developments do not meet the thresholds

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							applied to our search and therefore have not been included in the CEA schedule. Not identified in CEA.
London Road South – Site B	Hounslow	Allocated for mixed use including primary school expansion, residential and open space. Capacity for 310 dwellings	-	43 Hounslow	-	2015-25	Refer to No. 93 of CEA Schedule.
Civic Centre	Hounslow	Allocated for residential development. Capacity for 919 dwellings	-	44 Hounslow	-	2015-25	Refer to No. 81 of CEA Schedule.
Staines Road East	Hounslow	Allocated for mixed use including residential and office (50:50 residential to office). Capacity for 118 residential units.	-	45 Hounslow	-	2021-30 Application approved subject to legal agreement	Not identified in CEA.
Vacant Site, Hanworth Road	Hounslow	Allocated for residential and education (25:75 floorspace ratio). Capacity for 48 dwellings -	-	47 Hounslow	-	2015-20	LPA website suggests application has not been submitted as of 12/3/18. Not identified in CEA.
Bus Garage	Hounslow	Allocated for Housing and education Capacity for 285 dwellings	-	48 Hounslow	-	2026-30	Refer to No. 94 of CEA schedule.
Cavalry Barracks	Hounslow West	Allocated for residential use. Capacity for 250 dwellings	-	52 Hounslow West	-	2026-30 Application approved (00092/A/P 16)	'Draft existing Local Plan 2015 Amendments' document (2017) identifies increased capacity of 1,000 residential units and associated community facilities and open space LPA website suggests application has not been submitted as of 12/3/18. Not identified in CEA.
Hounslow West Station	Hounslow West	Allocated for mixed use including residential, retail and car parking (50:50 residential to non-residential uses) Capacity for 114 dwellings	-	53 Hounslow West	-	2021-25	LPA website suggests application has not been submitted as of 12/3/18. Not identified in CEA.
Bombardier Aerospace/Vista Business Centre	Hounslow West	Allocated for mixed-use development including residential and office uses (75:25 floorspace ratio) Capacity for 139 dwellings	-	54 Hounslow West	-	2021-25	LPA website suggests application has not been submitted as of 12/3/18. Not identified in CEA.
Heston Leisure Centre	Cranford and Heston	Allocated for mixed use, including reprovision of new leisure centre and improved park, together with residential enabling development. Capacity for 220 dwellings	-	57 Cranford and Heston	-	2015-20	Draft Local Plan Amendments Document 2017 highlights intention to delete allocation. Development has been completed (Planning app ref: 00798/Q/S4) Refer to No. 56 – 58 of CEA schedule.
Rectory Farm	Cranford and Heston	Allocated for minerals extraction and restored parkland	-	58 Cranford and Heston	-	2015-25	Refer to No. 108 of CEA schedule.
Master Robert Hotel	Cranford and Heston	Mixed-use allocation based on a floorspace ratio of 50:50 residential to hotel use.	-	60 Cranford and Heston	-	2015-2030	Refer No. 90 of CEA schedule.
London Borough of Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)							



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Airport Business Park, Land at Hatton Farm, Bedfont	-	Allocated for employment use (light industrial and storage use supported by ancillary service use)	-	Appendix 1 Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	2023-2027	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
MOD Feltham, Elmwood Avenue, Feltham	Feltham	Allocated for mixed use residential and employment. Capacity of 1,300 residential units and 4,342 sq.m office space	-	Appendix 1 Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	2023-2027	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Tesco, Feltham Superstore, 98 High Street, Feltham	Feltham	Allocated for mixed use including residential and retail. Potential capacity of 170 residential units and 6,438 sq.m retail	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Stevens Yard, 61 Fern Grove,	-	Allocated for residential use. Potential development capacity of 160 dwellings	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	2018 -2022	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Land at Hounslow West Station	-	Allocated for residential led mixed use with retail. Potential development capacity of 212 residential units	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	2018-2022	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Tesco Dukes Green, Dukes Green Superstore, Dukes Green Avenue, Feltham	-	Allocated for mixed use. Potential development capacity of 286 dwellings and 4,442 sq.m retail and parking	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.



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Vacant land, Dick Turpin Way (south of Hatton Cross Station)	-	Allocated for employment use. Potential development capacity of 16,360 sq.m of industrial use	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow West of Borough Local Plan Review (Preferred Options Consultation October 2017)	-	2023-2027	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Feltham Masterplan – Lidl, New Road, Feltham	Feltham	Allocated for mixed use development. Potential capacity for: 227 residential units, 2,452 sq.m retail and 5,114 sq.m parking	-	Appendix 1, Table 2	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
New Road Car Park and Labour Club, Manor Road, Feltham	Feltham	Allocated for mixed use development. Potential capacity of 636 sq.m retail and 260 residential units	-	Appendix 1, Table 2	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Morrison's, 8 Cavendish Parade, Hounslow	Hounslow	Allocated for mixed-use development. Potential development capacity of: 1,000 sq.m of retail, 161 residential units and 637 sq.m of parking	-	Appendix 1, Table 2	-	-	Refer to No. 102 of CEA schedule.
Tesco Osterley Extra, Syon Lane	-	Allocated for housing and retail. Potential development capacity of 563 residential units and 14,024 sq.m employment floorspace.	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow Great West Corridor: Local Plan Review (Preferred Options Consultation October 2017)	-	2028-2032	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
West Cross Industrial Estate, Brentford	Brentford	Allocated for housing and employment. Potential development capacity of at least 827 residential units and 98,800 sq.m of employment.	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow Great West Corridor: Local Plan Review (Preferred Options Consultation October 2017)	-	2018-2022	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Gillette Corner, Great West Road, Isleworth	Isleworth	Allocated for residential and employment uses. Potential development capacity of 114 residential units and 18, 734 sq.m employment	-	Appendix 1, Table 2 This is the same allocation site referred to in the Hounslow Great West Corridor: Local Plan Review (Preferred Options Consultation October 2017)	-	2018-2022	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Bridge Road Depot, Bridge Road, Pears Road, Hounslow	Hounslow	Allocated for residential development. Potential development capacity of 145 residential units	-	Appendix 1, Table 2	-	2018-2022	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.



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Park Road Allotments, Park Road, Isleworth	Isleworth	Allocated for residential development. Potential development capacity of 170 residential units.	-	Appendix 1, Table 2	-	2018-2022	There have been planning applications submitted on this site, however, these developments do not meet the thresholds applied to our search and therefore have not been included in the CEA schedule. Not identified on CEA Schedule
Hounslow 'West of Borough Local Plan Review (Preferred Options Consultation October 2017)'							
-	West of the borough	11,000 new dwellings will be delivered in the West of the Borough area between 2018– 2033. New homes will be focussed in Feltham (5,100), Bedfont Lakes Neighbourhood (1,900), Heathrow Gateway (2,100 subject to Southern Rail Access) and site allocations.	-	'Optimising Housing Growth'	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	West of Borough	The West of Borough has capacity to provide at least 11,000 new homes over the plan period but this will depend on delivery of proposed southern rail access. If the proposed southern rail access is not delivered, or delivered outside the West of Borough Area, and de-designated land from the Green Belt not come forward, the number of homes deliverable will be reduced	P44/45	-	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	West of Borough	The Council will expect development proposals to support the provision of at least 201,000 sq.m of industrial floor space within key locations and at least 190,000 sq.m of B1 workspaces comprising of office and light industrial uses. Employment targets will be reduced if the Southern Rail is not delivered in the area.	-	Optimising Employment Growth	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Feltham Town Centre	The Council will expect development proposals to support the provision of at least 23,000 sq.m of A1-A4 retail uses as part of Town Centre regeneration	-	Optimising Employment Growth	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Bedfont	A new Southern Rail Access station and interchange at Bedfont will be supported	-	Transport and Connectivity	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Feltham	The area around the station will be redeveloped to provide a minimum of 1,400 new homes and 4,000 sq.m of new ground floor retail and A1-A4 commercial uses	-	Feltham Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
-	Feltham	Redeveloping and intensifying further sites within Feltham town centre to provide at least 331 new homes and 8,200 sqm new retail space	-	Feltham Place Policy	-	-	Not identified on CEA Schedule LPA website suggests application has not been submitted as of 8/3/18.
-	Feltham	Redeveloping and intensifying Feltham East comprising of the former MoD site, Leisure West and industrial lands to create a new mixed-use neighbourhood, providing at least: 3,000 homes, including at least 184 houses 11,000 sqm office, commercial and community facilities (757 FTE jobs) 2,000sqm light industrial space (38 FTE jobs)	-	Feltham Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.



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		3,000sqm retail and cafes (162 FTE jobs) 12,000 sqm leisure space (79 FTE jobs) A new school (Reach Academy 2)					
-	Feltham	A minimum of 180 homes will be required at Upper Crane Park	-	Feltham Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
South Bedfont Site	Bedfont Lakes	New residential development, commercial space and community facilities will be required including a minimum of 950 new homes (including at least 122 houses); 9,000 sq.m office space; 400 sq.m retail; and 340 sq.m community sapce	-	P2 'Bedfont Lakes Place Policy'	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Bedfont Gardens	Bedfont Lakes	New residential development, commercial space and community facilities will be required including a minimum of 616 homes (at least 217 of which are houses) as an extension of East Bedfont; 645 sq.m of retail space; and 1,773 sq.m community use space	-	P2 'Bedfont Lakes Place Policy'	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Heathrow Gateway	Heathrow Gateway	Requiring new mixed-use, employment-led development around a new station square at Heathrow Gateway providing at least 2,100 residential units, 6,000 sq.m of retail floorspace and 470 hotel bedspaces	-	P3 Heathrow Gateway Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Mayfield Park West	Heathrow Gateway	Requiring new office led development providing at least 115,000 sq.m office use and 50 sq.m community use.	-	P3 Heathrow Gateway Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Mayfield Park	Heathrow Gateway	Requiring new office led development, car parking and a range of on-site community facilities providing at least 30,200 sq.m of high quality office space and provisional school places (as determined by need)	-	P3 Heathrow Gateway Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Airport Business Park	Airport Business Park	Securing at least 145,000 sq.m of industrial floor space and designating the site as Locally Significant Industrial Site.	-	P4 Airport Business Park This is the same allocation site referred to in the Hounslow Local Plan Part 2 (2015-2030)	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Land south of the Western International Market	Cranford and Heston	Provision of up to 43,000 sq.m of B2 or B8 use and limited ancillary A1,A3 or A5 uses	-	P5 Cranford and Heston Place Policy	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Vacant agricultural land surrounded by The Parkway, Cranford Lane, Brabazon Road and Bath Road	Cranford and Heston	Promoting the delivery of the 177,500 sqm (GIA) of approved subterranean B8 warehouse and storage uses following the extraction of minerals	-	P5 Cranford and Heston Place Policy	-	-	Refer to No. 108 of the CEA Schedule.
Smith House, Elmwood Avenue, Hanworth Park, TW13 7QH	Hanworth Park	204 Residential units	-	Appendix 1 West of Borough Site Allocations	-	2018-2022	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.



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61 Fern Grove, TW14 9AY	Feltham North	165 Residential units	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Local Plan Part 2 (2015-2030)	-	2018-2022	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Airport Business Park, Land at Hatton Farm, Bedfont	Feltham North	145,000m2 employment (light storage and storage use)	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)	-	2023-2027	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Cavalry Barrack, Beavers Lane, TW46HD	Hounslow West	1000 units	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Local Plan Part 2 (2015-2030)	-	2019-2023	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Central Park Trading Estate, Staines Road, Feltham	Cranford	8,865.4m2 employment.	-	Appendix 1 West of Borough Site Allocations	-	2018-2022	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Fagg's Road, Faggs's Road, Feltham, TW140LZ	Feltham North	5,700m2 employment floorspace.	-	Appendix 1 West of Borough Site Allocations	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Green Lane TW4	Hounslow West	110 residential units	-	Appendix 1 West of Borough Site Allocations	-	2018-2022	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Heathrow International Trading Estate, Green Lane, Feltham TW4 6HB	Hounslow West	9,379.6m2 light industrial space and 2,344.4m2 of office.	-	Appendix 1 West of Borough Site Allocations	-	2023-2017	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Land at Hounslow West Station	Heston West	300 residential units, 900m2 retail on ground floor and 2000m2 parking	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)	-	2018-2022	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
MOD Feltham, DGC Feltham,	Hanworth Park	Residential = 1,300 units Office and Community facilities including a	-	Appendix 1 West of Borough Site Allocations	-	2020-2024	Not identified on CEA Schedule.



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Elmwood Avenue, Feltham, TW13 7AH		school = 15,656 m2		This is the same allocation site referred to in the Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)			LPA website suggests application has not been submitted as of 8/3/18.
Tesco Dukes Green	Feltham North	Residential = 280 units (60%) Retail and Parking = 4,442 m2 (40%)	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Tesco Feltham	Feltham West	Residential = 177 units Retail = 6,438 m2	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Vacant land Dick Turpin Way (south of Hatton Cross Station)	Feltham North, Bedfont	Employment (Industrial) = 16,360m2	-	Appendix 1 West of Borough Site Allocations This is the same allocation site referred to in the Hounslow Draft Amendments to existing Local Plan 2015 (published for consultation October 2017)	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Vantage Park / Heathrow Causeway Centre, Ariel Way, Feltham, TW46JW	Cranford	Employment = 6,140m2	-	Appendix 1 West of Borough Site Allocations	-	-	Not identified on CEA Schedule. LPA website suggests application has not been submitted as of 8/3/18.
Hounslow 'Great West Corridor: Local Plan Review' (Preferred Options Consultation October 2017)							
-	Great West Corridor area	Supports proposals for the intensification of employment sites and premises to provide at least 490,000 sq.m of workspaces (offices, creative space and light industrial). A lower amount of employment floorspace will be sought if large infrastructure projects (particularly Brentford - Southall Crossrail Link) not delivered.	-	Optimising Employment Growth	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Great West Corridor area	Seek to contribute to a minimum of at least 5,200 homes over the plan period. Homes will be focussed in places identified for	-	Optimising Housing Growth	-	-	General policy: This has not been cross referenced with the CEA schedule.



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		regeneration and growth such as in the West Area (2,000 homes), the Central Area (790 homes); and the East Area (2,300 homes). Reduced capacity if large infrastructure projects not delivered.					
-	-	Land may be safeguarded for future station development proposed at Golden Mile Station (Brentford – Mainline to Southall Crossrail Link) and Lionel Road Station (Old Oak Common – Hounslow Overground Link)	-	Transport and Connectivity	-	-	General policy: This has not been cross referenced with the CEA schedule.
West Cross Quarter	Great West Corridor West	Promoting the redevelopment and intensification of the West Cross Quarter to deliver a mixed-use quarter including a minimum of 1,400 mixed-tenure residential units; 140,000 sqm of B1 workspaces (light industrial floor space should be the predominant use); and 2,000sqm of A1-A4 (retail/café/restaurant) floor spaces. Any redevelopment should be in accordance with the SIL designation and should not lead to any loss of employment floor space.	-	Great West Corridor West Place Policy	-	-	General policy: This has not been cross referenced with the CEA schedule
Gillette Building	Great West Corridor West	Supporting the conversion of the Gillette building into a creative hub for smaller businesses and freelance workers in the digital, media and broadcasting industry, through the provision of at least 19,000 sq.m of B1 workspaces (creative industries and offices) and 700sqm of retail spaces as well as 114 apartments.	-	Great West Corridor West Place Policy This is the same allocation site referred to in the Hounslow Local Plan Part 2 (2015-2030)	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Area south of the Great West Road	Great West Corridor West	Promoting the area south of the Great West Road into an area of higher-density affordable office and manufacturing spaces, 'The Makers Village', through conversion, retention or redevelopment of existing building stock, including at least 28,000sqm of B1 workspaces and 2,000sqm of retail spaces.	-	Great West Corridor West Place Policy	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA.
Tesco Osterley site	Great West Corridor West	Supporting intensification of use of the Tesco Osterley site through promoting redevelopment of the site to include residential development and a re-provided supermarket (at least 13,000 sqm of retail, 560 residential units and 1,500 sqm of B1 workspaces).	-	Great West Corridor West Place Policy	-	-	LPA website suggests application has not been submitted as of 8/3/18. Not identified in CEA
-	Great West Corridor Central	Supporting redevelopment opportunities including 545 residential units, 27,000 sqm of B1 workspaces (offices and light industrial) in the River Brent Quarter	-	Great West Corridor Central Place Policy	-	-	General policy: This has not been cross referenced with the CEA schedule
-	Great West Corridor Central	Supporting redevelopment opportunities including 50 residential units, 55,000 sqm of B1 workspaces and 5,100sqm of retail spaces in the London Gateway area	-	Great West Corridor Central Place Policy	-	-	General policy: This has not been cross referenced with the CEA schedule
-	Great West Corridor Central	Supporting redevelopment opportunities including 92 residential units and 31,000 sqm of commercial workspaces in the Central Corridor area, this could include car showrooms if accompanied by servicing garage facilities.	-	Great West Corridor Central Place Policy	-	-	General policy: This has not been cross referenced with the CEA schedule
Richmond Borough Local Development Framework Core Strategy 2009							
-	Plan wide	Housing Target (1 April 2007 - 31 March 2017): 2,700 additional dwellings March 2017-2027: 150-330 dwellings a year (indicative capacity)	P106	CP14 Housing	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Twickenham	Approx. net increase of 700 -1100 residential units	P106	CP14 Housing	-	-	No relevant applications identified on CEA Schedule.
-	Teddington & The Hamptons	Approx. net increase of 700 -800 residential units	P106	CP14 Housing	-	-	No relevant applications identified on CEA Schedule.



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-	Whitton	Approx. net increase of 400 residential units	P106	CP14 Housing	-	-	No relevant applications identified on CEA Schedule.
-	Twickenham, Teddington, Whitton	Maintain and reinforce the centres retail role and maintain the level of service uses, encourage other uses of a scale appropriate to district centres. Twickenham only – make use of potential for tall buildings in station area.	P82	CP8 Town and Local Centres	-	-	Other town centres located outside of ZOI No relevant applications identified on CEA Schedule.
-	Twickenham, Teddington, and Whitton	Twickenham: suitable for major office development, net increase of 2,500 jobs to 2021 Others: Maintaining level of offices but not significant expansion. Net increase of 1,600 and 50 jobs in Teddington and Whitton to 2021	P82 - 83	CP8 Town and Local Centres	-	-	No relevant applications identified on CEA Schedule.
-	Twickenham, Teddington and Whitton	Residential: Encourage higher density, including affordable and small units, and particularly in Twickenham, car free development	P83	CP8 Town and Local Centres	-	-	No relevant applications identified on CEA Schedule.
-	Twickenham, Teddington, and Whitton	Retail Development: Maintain and reinforce retailing which should be concentrated around the main shopping area... Indicative increase in retail floorspace to 2017 as set out below: Twickenham - 400sqm Teddington – 300sqm Whitton – 600sqm	P83-84	CP8 Town and Local Centres	-	-	No relevant applications identified on CEA Schedule.
-	Twickenham Town Centre	Twickenham town centre will be revitalised by promoting it as a: employment location particularly for new or refurbished high quality offices; district retail centre; visitor and tourist destination; centre for sports, leisure, arts and cultural activities; place with a more diverse evening economy; Higher density residential development will be encouraged in the town centre and tall buildings in the station area only.	P88	CP9 Twickenham Town Centre	-	-	No relevant applications identified on CEA Schedule.
Richmond Borough Emerging Local Plan 4 January – 15 February 2017 (publication version for consultation)							
-	Plan wide	The Borough's housing target is 3,150 homes for the period 2015-2025.	P118	LP 34 New Housing	-	2015-2025	General policy: This has not been cross referenced with the CEA schedule.
-	Twickenham	The location of Approx. 1000-1050 residential units	P118	LP 34 New Housing	-	2015-2025	No relevant applications identified on CEA Schedule.
-	Teddington and the Hamptons	The location of approximately 650 – 700 residential units	P118	LP 34 New Housing	-	2015-2025	No relevant applications identified on CEA Schedule.
-	Richmond and Twickenham	Major new employment development should be directed towards Richmond and Twickenham centres	P132	LP 40 Employment and local economy	-	-	Only Twickenham is located within the ZOI. No relevant applications identified on CEA Schedule.
-	Hampton	Designated Key Office Areas include: Thames Street;	P135-136	Key Office Areas	-	-	No relevant applications identified on CEA Schedule.



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		Hampton Kingsway Business Park; Hampton Castle Business Village, Station Road and Mount Mews, High Street Hampton					
-	Hampton Wick	Designated Key Office Areas including: High Street and Lower Teddington Road;	P135-136	Key Office Areas	-	-	No relevant applications identified on CEA Schedule.
-	Hampton Hill	Designated Key Office Areas including: Hampton Hill Business Park; Hampton Hill Northern part of High Street;	P135-136	Key Office Areas	-	-	No relevant applications identified on CEA Schedule.
-	Teddington:	Designated Key Office Areas including: Teddington centre and Waldegrave Road; National Physical Laboratory; 127-133 High Street, and 1 & 2A Cambridge Road; 180 High Street; 43-67 Broad Street; 90-120 Church Road; 38-42 Hampton Road	P135-136	Key Office Areas	-	-	No relevant applications identified on CEA Schedule.
-	Twickenham	Designated Key Office Areas including: Twickenham centre (part) Bridge House; Hampton Road; Twickenham Briar House, 5-11 Briar Road; West Twickenham, south of River Crane; St George's Industrial Estate	P135-136	Key Office Areas	-	-	No relevant applications identified on CEA Schedule.
-	East Twickenham and St Margarets	Designated Key Office Areas including: 417-435 Richmond Road St George's House, 76 Crown Road, Old Lodge Place	P135-136	Key Office Areas	-	-	No relevant applications identified on CEA Schedule.
Hampton Square, Hampton		Partial redevelopment and improvement for community, retail and local services, employment and residential uses, including affordable units and car parking.	P153	SA1	-	-	No relevant applications identified on CEA Schedule.
Telephone Exchange, Teddington		If the site is declared surplus to requirements, appropriate land uses include commercial/retail on the ground floor, especially in the designated key shopping frontage facing the High Street. Any proposal should provide for employment floorspace, such as B1 offices. A mixed use scheme with housing could be considered.	P158	SA5	-	-	No relevant applications identified on CEA Schedule.
St Mary's University, Strawberry Hill		Retention and upgrading of St Mary's University and its associated teaching, sport and student residential accommodation. Upgrade works to include refurbishment, adaptation, extensions and new build elements on site where appropriate.	P162	SA8	-	-	No relevant applications identified on CEA Schedule.
Richmond upon Thames College, Twickenham		Redevelopment to provide a new replacement college, science / technology / engineering / maths centre, technical hub (B1), a new secondary school and special education needs school, sports centre as well as residential. Upgrading of the playing field to the south of	P164	SA9	-	-	No relevant applications identified on CEA Schedule.



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		the college, including the installation of a new artificial grass (3G) playing pitch.					
Telephone Exchange, Whitton		If the site is declared surplus to requirements, appropriate land uses include employment and social infrastructure or other appropriate main centre uses. Any proposal should provide for employment floorspace, including B1 offices. A mixed use scheme with housing, including affordable housing, could be considered.	P169	SA13	-	-	No relevant applications identified on CEA Schedule.
Kneller Hall, Whitton		If the site is declared surplus to requirements, appropriate land uses include residential, employment (B uses) and employment generating uses as well as social infrastructure uses, such as health and community facilities. Any proposal should provide for some employment floorspace, including B1 offices. Expectation that the playing fields are retained and public open spaces provided.	P170	SA14	-	-	No relevant applications identified on CEA Schedule.
Slough Local Development Framework: Core Strategy 2006 – 2026 (adopted December 2008)							
-	Plan Wide	A minimum of 6,250 new dwellings will be provided in Slough between 2006 and 2026.	P26	Core Policy 3 (Housing Distribution)	-	2006 -2026	General policy: This has not been cross referenced with the CEA schedule.
-	Town Centre	Location of at least 3,000 dwellings	P26	Core Policy 3 (Housing Distribution)	-	2006 -2026	General policy: This has not been cross referenced with the CEA schedule.
-	Urban Extensions	Location of around 750 dwellings	P26	Core Policy 3 (Housing Distribution)	-	2006 -2026	General policy: This has not been cross referenced with the CEA schedule.
-	Major sites in other Urban Areas	Location of around 1,350 dwellings	P26	Core Policy 3 (Housing Distribution)	-	2006 -2026	General policy: This has not been cross referenced with the CEA schedule.
-	Small sites within the Urban Area	Location of around 600 dwellings	P26	Core Policy 3 (Housing Distribution)	-	2006 -2026	General policy: This has not been cross referenced with the CEA schedule.
-	Town Centre	Intensive employment-generating uses such as B1(a) offices will be located in the town centre in accordance with the spatial strategy	P34	Core Policy 5 Employment	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Eastern part of the Borough and Existing Business Area	Major warehousing and distribution developments will be located in the eastern part of the Borough and in Existing Business Areas that have good access to the strategic road and rail network.	P34	Core Policy 5 Employment	-	-	General policy: This has not been cross referenced with the CEA schedule.
Slough Local Development Framework Site Allocations (November 2010)							
The Heart of Slough, Slough Town Centre	Upton/Chalvey	Comprehensive regeneration for residential, offices, hotel, bus station, library, retail, restaurants and cafes, drinking establishments, education, leisure, associated changes to the road network, improvements to the public realm and parking. (8.80HA) (1,425 units)	P54	SSA13			Refer to No: 9, 18 and 26 of the CEA schedule.
Queensmere and Observatory shopping centres High Street, Slough	Upton	Mixed: retail, leisure, restaurants/bars, car parking, residential, community (5.83HA)	P59	SSA14			Ref No. 10 of CEA schedule.



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Former Arbour Vale School site, West Wing, St. Joseph's School playing field, Stoke Road, Slough	Wexham Lea	Community, residential, playing fields (6.18 ha)	P74	SSA18			Ref No. 12 and 13 of CEA schedule.
Wexham Park Hospital, Wexham Road, Slough.	Wexham Lea	Medical and Healthcare uses. (23.72HA)	P78	SSA20			Ref No.15 of CEA schedule.
Stoke Road and Mill Street	Central	The area needs to be comprehensively planned in order to accommodate the pressure for development in this location close to the railway station. This could be achieved by relaxing the policy for the Existing Business Area which prevents the loss of employment land. Residential or mixed use development may be appropriate as part of the comprehensive regeneration of this area. (7.05HA)	P98	SKL3 (Selected Key Location for Comprehensive Regeneration)	-	-	Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18.
Former Langley Oil Terminal/ Railway Station Car Park, off Station Road, Langley.	Langley St Mary's	Comprehensive redevelopment of site. Residential preferred use.	P100	-	-	-	Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18.
Review of the Local Plan for Slough: Issues and Options Consultation Document 16 January – 27 February 2017							
-	Plan wide	Objective to create a minimum of 15,000 jobs in Slough over the plan period.	P21	-	-	-	Eastern Berkshire FEMA states there is a need for 232,185 – 650,410 sqm of Use Class B floorspace during the period to 2036.
-	Plan wide	The plan has the ambitious objective of planning to provide for around 20,000 new houses in and around Slough over the plan period.	P40	Meeting future housing need	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Expansion of Slough Town Centre	Key Sites will provide 2175 homes. Sites may include: Queensmere/Observatory shopping centre Former TVU site	P57	Option A: Expansion of Slough Town Centre (SSA14) (CFS 119)	-	-	Queensmere Ref No. 10 of CEA Schedule.
-	Expansion of Slough Town Centre	Other related sites will provide over 1000 homes. Sites may include: Heart of Slough (Area south of the railway station) Post Office Sorting Office Upton Hospital Mill Street north side Mill Street south side South side of High Street Slough Station North forecourt Slough Station east car park Railway Triangle Stranraer Gardens Albion Close Horlicks Playing Field, Plough Lees lane	P57	Option A: Expansion of Slough Town Centre (SSA13) (SSA16) (SSA15) (OTH 140) (OTH 141) (OTH 146 & 147) (INF 156) (INF 156) (OTH 145) (OTH 143)	-	-	Heart of Slough Ref No. 9, 18 and 26 of CEA Schedule.



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		Stoke Gardens Aspire Site (Herschel St)		(OTH 137) (OTH 138)			
-	Expand the centre of Langley	Location of approximately 600 additional homes including at: Langley Business Centre Part of Waterside Drive Canal Warf Industrial Area Langley Railway Station	P61	Option B: Expand the centre of Langley (CFS13) (OTH 150) (OTH 151) (INF 159)			Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18
Akzo Nobel, Wexham Road and National Grid; Uxbridge Road	Akzo Nobel/national grid site	1,000 - 1,400 homes could be delivered. These figures will be lower if substantial areas are retained for employment use and/ or the gas holder is not removed.	P65	5.4 Option C: New neighbourhood on Akzo Nobel/national grid site CFS 27 CFS 2	-	-	Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18
139 Stoke Road east side (south of Canal Basin and North of Mill Street).	Canal Basin	Around 250 new dwellings could be built as part of the main proposal. It may be possible to build more in future if the pylon and overhead cables are removed.	P68	5.5 Option D1: Canal Basin	-	-	Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18.
-	Plan wide - Estate Renewal	Housing capacity of option currently unknown	P77	5.8. Option E: Estate Renewal	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide - Redevelop existing business areas for housing	Housing capacity of option unknown.	P84	5.2. Option G. Redevelop existing business areas for housing	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Green Belt	Development of Green Belt sites around Slough could produce around 680 dwellings. Sites include: Wexham Park Hospital School of Nursing site, Wexham Street (CFS 30) Land to rear of Opal Court, Wexham Street (CFS 29) Land east of Wexham Park Hospital Land east of Rochford Gardens Bloom Park, Middlegreen Road (CFS 6) Land east of Market Lane Land south of Castleview Road Upton Court Farm	P87	6.3. Option H: Release of Green Belt land for housing	-	-	Other identified green belt sites located outside of ZOI not listed Wexham Park Hospital Ref No.15 of CEA schedule
-	Green Belt land in Colnbrook and Poyle Area	Employment - This option would involve releasing land from the Green Belt in the Colnbrook and Poyle area for airport related employment development	P90	5.4. Option I: Release of Green Belt land for employment (in the Colnbrook and Poyle area)	-	-	Ref No. 24 of our CEA Schedule.
-	Northern expansion of Slough (into South Bucks)	The Northern Expansion could contain around 5,000 houses.	P92	5.5. Option J1: Northern expansion of Slough (into south bucks)	-	-	General policy: This has not been cross referenced with the CEA schedule.



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Site H2 - Land west of Crown Meadow, Brands Hill Site D7 - Land south of Austen Way	Southern expansion of Slough (into Windsor and Maidenhead)	Proposed Option would involve investigating a southern expansion of the urban area of Slough by building housing on open land that is in the administrative area of the Royal Borough of Windsor & Maidenhead.	P98	5.1. Option J2: Southern Expansion of Slough (into Windsor and Maidenhead)	-	-	Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18.
-	Outside of Slough	Potential for 20,000 to 25,000 homes on sites that are currently not identified for housing.	P100	5.2. Option K: Build in other areas outside of Slough	-	-	General policy: This has not been cross referenced with the CEA schedule.
South Bucks Adopted Core Strategy (2011)							
-	Plan wide	2,200–2,800 new dwellings will be built in South Bucks in the period 2006 - 2026.	P16	Spatial Strategy	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Rest of the District (outside of Gerrards Cross, Wilton Park, Beaconsfield and Burnham)	Approximately 1,380 dwellings will be built in the rest of the District in the period 2006-26. The majority of this development (about 1,170 dwellings) has already been built or granted planning permission.	P25	-	-	2006-2026	Gerrards Cross, Wilton Park, Beaconsfield and Burnham not located in ZOI General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	Provision will be made for a net increase of 2,200-2,800 dwellings in the period 2006 to 2026. At least 80% of this development will be accommodated on Previously Developed Land	P27	Core Policy 1: Housing Provision and Delivery	-	2006-2026	General policy: This has not been cross referenced with the CEA schedule.
-	Plan wide	New employment development will be accommodated in the District and Local Centres, on the Opportunity Sites and through appropriate intensification on existing employment sites excluded from the Green Belt, where there is good access by a variety of transport modes.	P43	Core Policy 10: Employment	-	-	General policy: This has not been cross referenced with the CEA schedule.
South of Iver (Opportunity Site)	South of Iver	The District Council will generally support appropriate employment generating development or redevelopment on Court Lane, Thorney Business Park and the Ridgeway Trading Estate, with particular encouragement to be given to uses that would result in a reduction in HGV movements.	P57	Core Policy 16: South of Iver (Opportunity Area)	-	-	Not identified in CEA. LPA website suggests application has not been submitted as of 8/3/18.
Chiltern and South Bucks Local Plan Regulation 18 Incorporating Issues and Options (January - March 2016)							
-	South Bucks	General need of 7,800 dwellings and 1,600 – 2,200 affordable homes in South Bucks	P7	Development Needs in Chiltern and South Bucks Districts to 2036	-	-	General policy: This has not been cross referenced with the CEA schedule.
-	Denham Green, Iver Heath, Stoke Poges, and Iver Village.	Urban extensions to the secondary settlements of Denham Green, Iver Heath, Stoke Poges, and Iver Village.	P11	Broad Findings from the earlier Chiltern District Local Plan and Separate South Bucks District Local Plan Regulation 18 consultations: Spatial Strategy.	-	-	General policy: This has not been cross referenced with the CEA schedule.
Chiltern and South Bucks Green Belt Development Options Appraisal (Post Preferred Green Belt Options Consultation) November 2017							
-	Area South East of Little Chalfont	Recommendation to remove from the Green Belt and include as a residential-led development for at least 700 dwellings also	P30	Option 6	-	610 dwellings	Given the early nature of the plan there are no planning applications coming

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		incorporating specialist elderly housing, Gypsy and Traveller pitches and open space.				could be delivered in the next plan period	forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.
-	Area South East of Chalfont St Peter	Recommendation to remove from the Green Belt and include part (excludes an area used by the adjacent Scout Camp) as a development proposal for at least 200 dwellings and an area to be designated as Open Space/Community Facility (Scout Camp land) excluded from development	P42	Option 8	-	-	Given the early nature of the plan there are no planning applications coming forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.
-	Land North of Denham Roundabout	Recommendation to remove site (4.65 ha) from the Green Belt and include as a development proposal for offices and ancillary uses within a landscaped setting	P50	Option 10	-	Deliverable within the Plan period	Given the early nature of the plan there are no planning applications coming forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.
-	Land North of Iver Heath, South East of Pinewood	Recommendation to remove site (16.01ha) from Green Belt as part of anticipated Pinewood Studios changes	P53	Option 11	-	-	Given the early nature of the plan there are no planning applications coming forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.
-	Area West of Iver Heath	Recommendation to identify as a Safeguarded Area removed from the Green Belt with specific policy criteria to direct development timing either through the emerging Plan, subsequent plan reviews or a Neighbourhood Plan	P57	Option 12	-	-	Given the early nature of the plan there are no planning applications coming forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.
-	Area North of Iver Station	Recommendation to remove from the Green Belt and include as a wider development proposal with the redevelopment of Thorney Business Park. Development could comprise about 1,000 dwellings, associated infrastructure and open space, a local centre, new office space and improved station facilities	P62	Option 13	-	490 and 800 dwellings could be delivered by March 2033. Completion could therefore be outside emerging plan period.	Given the early nature of the plan there are no planning applications coming forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.
-	Area to the East of Ridgeway Business Park, Iver	Recommendation to identify as a Safeguarded Area removed from the Green Belt with specific policy criteria to direct development timing either through this Plan, subsequent plan reviews or a Neighbourhood Plan. Scope for a range of uses.	P69	Option 14	-	Could be delivered in plan period if certain criteria are met	Given the early nature of the plan there are no planning applications coming forward that relate to this policy allocation. LPA website suggests application has not been submitted as of 13/3/18.



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Table 3.3 3 London Plan housing and employment targets

Local Planning Authority	Housing and employment targets	Para ref.	Timeframe
The London Plan: the spatial development strategy for London consolidated with alterations since 2011 (March 2016)			
Hillingdon	5,593 dwellings (2015-2025)	Table 3.1	2015 – 2025
Hounslow	8,222 dwellings (2015-2025)	Table 3.1	2015 – 2025
Ealing	12,972 dwellings (2015-2025)	Table 3.1	2015 – 2025
Richmond	3,150 dwellings (2015-2025)	Table 3.1	2015 – 2025
Southall Opportunity Area	Indicative capacity of 3,000 jobs and at least 6,000 new homes	Appendix 2 - 29	-
The London Plan: the spatial development strategy for Greater London draft for public consultation (December 2017)			
Hillingdon	15,530 dwellings (2019/20 – 2028/29)	Table 4.1	2019/20 – 2028/29
Hounslow	21,820 dwellings (2019/20 – 2028/29)	Table 4.1	2019/20 – 2028/29
Ealing	28,070 dwellings (2019/20 – 2028/29)	Table 4.1	2019/20 – 2028/29
Richmond	8,110 dwellings (2019/20 – 2028/29)	Table 4.1	2019/20 – 2028/29

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Appendix 3.4

Initial schedule of other developments



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1. INITIAL SCHEDULE OF OTHER DEVELOPMENTS

1.1.1 The initial list of other developments is shown in Table 3.4.1, Table 3.4.2, Table 3.4.3 and Table 3.4.4. These are shown geographically in Figure 3.4.1 and Figure 3.4.2.

Table 3.4.1 Tier 1 Development Consent Order (DCO) and Hybrid Bill developments under construction or that have an application that is submitted and/or permitted

No	Project	Local Authority	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
1	M4 Junctions 3 to 12 Smart Motorway - DCO	M4 Motorway from Junction 3 in Borough of Hounslow, London to Junction 12 in West Berkshire	PINS Ref No. TR010019	From Examiners' Report: "The development proposed principally comprises: (a) conversion of the hard shoulder to a permanent running lane and, where no hard shoulder is in place at present, the construction of a new lane (mainly between Junction 4b and Junction 8/9); (b) replacement of overbridge structures that are too narrow to accommodate the improved motorway; (c) extension of underbridges and other structures such as culverts and subways to accommodate the improved motorway; (d) changes to junctions and slip roads needed to accommodate the improved motorway, and the use of the hard shoulder as a running lane, as well as allowing 'through junction running'; (e) provision of new gantries and signs to allow the motorway to function as a smart motorway with a variable speed limit, and to provide messages to road users; and (f) other infrastructure needed for the improved motorway, such as emergency refuge areas, enhanced communication systems, closed circuit television and electrical supplies, as well as works to accommodate statutory undertakers' apparatus and other parties who may be affected by the proposed development"	Consent granted on 2 September 2016	https://infrastructure.planninginspectorate.gov.uk/projects/south-east/m4-junctions-3-to-12-smart-motorway/	
2	Thames Tideway Tunnel - DCO	The proposed Scheme will traverse the local authority areas of: 1. City of London Corporation 2. City of Westminster 3. London Borough of Ealing 4. London Borough of Hammersmith and Fulham 5. London Borough of Hounslow 6. London Borough of Lambeth 7. London Borough of Lewisham 8. London Borough of Newham 9. London Borough of Richmond upon Thames 10. London Borough of Southwark 11. London Borough of Tower Hamlets 12. London Borough of Wandsworth 13. London Legacy Development Corporation 14. Royal Borough of Greenwich 15. Royal Borough of Kensington and Chelsea	WW010001	New tunnel for the transfer or storage of waste water	Consent granted on 12 September 2014	https://infrastructure.planninginspectorate.gov.uk/projects/london/thames-tideway-tunnel/	

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No	Project	Local Authority	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
3	High Speed 2 (London - West Midlands) - Hybrid Bill	The Proposed Scheme will traverse through: London Borough of Camden London Borough of Brent London Borough of Westminster London Borough of Kensington & Chelsea London Borough of Hammersmith and Fulham London Borough of Ealing London Borough of Hillingdon Hertfordshire County Council Three Rivers District Council Buckinghamshire County Council South Bucks District Council Chiltern District Council Aylesbury Vale District Council Oxfordshire County Council Cherwell District Council Northamptonshire County Council South Northants District Council Warwickshire County Council Stratford on Avon District Council Warwick District Council North Warwickshire District Council Solihull Metropolitan Borough Council Birmingham City Council Staffordshire County Council Lichfield District Council	N/A	High speed railway linking London, Birmingham, the East Midlands, Leeds and Manchester.	Nov-13	https://www.gov.uk/government/publications/plans-and-sections-as-amended	



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Table 3.4.2 Tier 1 developments referable to the Mayor and that meet Town and Country EIA Regulations Schedule 2 screening criteria

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
London Borough of Richmond							
1	London Borough of Richmond	Waldegrave School Fifth Cross Road, Twickenham, TW2 5LH	13/0300/FUL	Proposed two storey infill extension at front; demolition of single storey building; construction of a new annex to include, a 6th form building (extra 240 pupils), kitchen, dining area and sports hall; and alterations to soft and hard landscaping, on-site car parking, refuse and cycle storage provision.	Approved 12/08/2013	http://www2.richmond.gov.uk/PlanData2/Planning_CASENO.aspx?strCASENO=13/0300/FUL&DocTypeID=6#docs	>1ha of urban development which is non-residential development (5HA).
2	London Borough of Richmond	Teddington Studios Broom Road, Teddington, TW119NT	14/0914/FUL	Demolition of the existing buildings with the exception of Weir Cottage. Erection of part four/part five/part six/part seven storey building to provide 213 flats. Erection of 6 three storey houses to Broom Road frontage. Use of Weir Cottage for residential purposes. Provision of 258 car parking spaces at basement and ground level. Closure of existing access and provision of two new access from Broom Road, provision of publicly accessible riverside walk together with cycle parking and landscaping.	Approved 09/12/2014	http://www2.richmond.gov.uk/PlanData2/Planning_CaseNo.aspx?strCASENO=14/0914/FUL	213 residential units
3	London Borough of Richmond	Teddington Studios Broom Road Teddington	17/1286/VRC	Variation of approved drawing nos attached to 14/0914/FUL to allow for the development of Block B as two blocks and an increase in the overall number of units from 220 to 238 and minor changes to the riverside walkway. To allow changes to the internal layout and the riverside walkway as shown on the submitted drawings	Approved 05/10/2017	http://www2.richmond.gov.uk/PlanData2/Planning_CaseNo.aspx?strCASENO=17/1286/VRC	213 residential units

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
4	London Borough of Richmond	Land At Junction Of A316 And Langhorn Drive And Richmond College Site (Including Craneford Way East Playing Fields And Marsh Farm Lane) Egerton Road Twickenham	15/3038/OUT	Outline application for the demolition of existing college buildings, removal of hardsurfacing, site clearance and groundworks together with the redevelopment of the site to provide: 1) A new campus for education and enterprise purposes, comprising; Replacement College (Use Class D1) of up to 16,000sqm to accommodate up to 3,000 FTE day time students, as well as evening and weekend use; A Science, Technology, Engineering and Maths (STEM) Centre (D1 Use Class) of up to 6,100sqm; 2) A new Secondary School (D1 Use Class) of up to 7,000 sqm for up to 750 students; 3) A new Special Educational Needs (SEN) School (D1 Use Class) of up to 4,000sqm for up to 115 students; 4) A new ancillary 'Technical Hub' for Haymarket Media (B1 Use Class) of up to 1,700sqm; 5) Replacement on-site sports centre (D2 Use Class) of up to 3,900sqm to serve both the college, schools and wider community; 6) The upgrading of existing Craneford Way playing fields for use by the college, schools and local community; 7) Alterations to existing means of access for vehicles, pedestrians and cyclists from the A316 involving the creation of a signalised junction, alterations to the A316 footbridge and minor realignment of Langhorn Drive, alterations of existing vehicular access points on Egerton Road as well as the upgrading of Marsh Farm Lane footpath; 8) Provision of on-site parking (non-residential) for up to 230 vehicles, open space and landscaping, and 9) A new residential development of up to 180 units together with associated parking for up to 190 vehicles, open space and landscaping.	Approved 16/08/2016	http://www2.richmond.gov.uk/PlanData2/Planning_CaseNo.aspx?strCA SENO=15/3038/OUT	16,000 sqm

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
5	London Borough of Richmond	Land At Junction Of A316 And Langhorn Drive And Richmond College Site (Including Craneford Way East Playing Fields And Marsh Farm Lane) Egerton Road Twickenham	16/4747/RES	Detailed Reserved Matters application including Appearance, Landscaping (In part), Layout (In part) and Scale for Phase 1C (in part) and Phase 3A (in part) of the College Development Zone (in Part) including Building Zone 1 and Landscaping (In part) of the School Development Zone pursuant to Conditions U08027 and U08031 of Outline Planning Permission 15/3038/OUT dated 16.08.16 (Outline application for the demolition of existing college buildings, removal of hardsurfacing, site clearance and groundworks together with the redevelopment of the site to provide: 1) A new campus for education and enterprise purposes, comprising; Replacement College (Use Class D1) of up to 16,000sqm to accommodate up to 3,000 FTE day time students, as well as evening and weekend use; A Science, Technology, Engineering and Maths (STEM) Centre (D1 Use Class) of up to 6,100sqm; 2) A new Secondary School (D1 Use Class) of up to 7,000 sqm for up to 750 students; 3) A new Special Educational Needs (SEN) School (D1 Use Class) of up to 4,000sqm for up to 115 students; 4) A new ancillary 'Technical Hub' for Haymarket Media (B1 Use Class) of up to 1,700sqm; 5) Replacement on-site sports centre (D2 Use Class) of up to 3,900sqm to serve both the college, schools and wider community; 6) The upgrading of existing Craneford Way playing fields for use by the college, schools and local community; 7) Alterations to existing means of access for vehicles, pedestrians and cyclists from the A316 involving the creation of a signalised junction, alterations to the A316 footbridge and minor realignment of Langhorn Drive, alterations of existing vehicular access points on Egerton Road as well as the upgrading of Marsh Farm Lane footpath; 8) Provision of on-site parking (non-residential) for up to 230 vehicles, open space and landscaping, and 9) A new residential development of up to 180 units together with associated parking for up to 190 vehicles, open space and landscaping).	Approved 24/07/2017	http://www2.richmond.gov.uk/PlanData2/Planning_CaseNo.aspx?strCASENO=16/4747/RES	16,000sqm

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
6	London Borough of Richmond	Land At Junction Of A316 And Langhorn Drive And Richmond College Site (Including Craneford Way East Playing Fields And Marsh Farm Lane) Egerton Road Twickenham	(16/3293/RES)	Detailed Reserved Matters application including Appearance, Landscaping, Layout and Scale for the Schools Development Zone pursuant to Conditions U08026 and U08031 of Outline Planning Permission 15/3038/OUT dated 16.08.16 (Outline application for the demolition of existing college buildings, removal of hardsurfacing, site clearance and groundworks together with the redevelopment of the site to provide: 1) A new campus for education and enterprise purposes, comprising; Replacement College (Use Class D1) of up to 16,000sqm to accommodate up to 3,000 FTE day time students, as well as evening and weekend use; A Science, Technology, Engineering and Maths (STEM) Centre (D1 Use Class) of up to 6,100sqm; 2) A new Secondary School (D1 Use Class) of up to 7,000 sqm for up to 750 students; 3) A new Special Educational Needs (SEN) School (D1 Use Class) of up to 4,000sqm for up to 115 students; 4) A new ancillary 'Technical Hub' for Haymarket Media (B1 Use Class) of up to 1,700sqm; 5) Replacement on-site sports centre (D2 Use Class) of up to 3,900sqm to serve both the college, schools and wider community; 6) The upgrading of existing Craneford Way playing fields for use by the college, schools and local community; 7) Alterations to existing means of access for vehicles, pedestrians and cyclists from the A316 involving the creation of a signalised junction, alterations to the A316 footbridge and minor realignment of Langhorn Drive, alterations of existing vehicular access points on Egerton Road as well as the upgrading of Marsh Farm Lane footpath; 8) Provision of on-site parking (non-residential) for up to 230 vehicles, open space and landscaping, and 9) A new residential development of up to 180 units together with associated parking for up to 190 vehicles, open space and landscaping).	Approved 03/11/2016	http://www2.richmond.gov.uk/PlanData2/Planning_CaseNo.aspx?strCASENO=16/3293/RES	16,000sqm

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
7	London Borough of Richmond	Land At Junction Of A316 And Langhorn Drive And Richmond College Site (Including Craneford Way East Playing Fields And Marsh Farm Lane) Egerton Road Twickenham	(17/2332/RES)	Detailed Reserved Matters application including Appearance, Landscaping (In part), Layout (In part) and Scale for Phase 2a (in part) of the College Development Zone (in Part) including Building Zone 3 pursuant to Conditions U08027 and U08031 of Outline Planning Permission 15/3038/OUT dated 16.08.16 (Outline application for the demolition of existing college buildings, removal of hardsurfacing, site clearance and groundworks together with the redevelopment of the site to provide: 1) A new campus for education and enterprise purposes, comprising; Replacement College (Use Class D1) of up to 16,000sqm to accommodate up to 3,000 FTE day time students, as well as evening and weekend use; A Science, Technology, Engineering and Maths (STEM) Centre (D1 Use Class) of up to 6,100sqm; 2) A new Secondary School (D1 Use Class) of up to 7,000 sqm for up to 750 students; 3) A new Special Educational Needs (SEN) School (D1 Use Class) of up to 4,000sqm for up to 115 students; 4) A new ancillary 'Technical Hub' for Haymarket Media (B1 Use Class) of up to 1,700sqm; 5) Replacement on-site sports centre (D2 Use Class) of up to 3,900sqm to serve both the college, schools and wider community; 6) The upgrading of existing Craneford Way playing fields for use by the college, schools and local community; 7) Alterations to existing means of access for vehicles, pedestrians and cyclists from the A316 involving the creation of a signalised junction, alterations to the A316 footbridge and minor realignment of Langhorn Drive, alterations of existing vehicular access points on Egerton Road as well as the upgrading of Marsh Farm Lane footpath; 8) Provision of on-site parking (non-residential) for up to 230 vehicles, open space and landscaping, and 9) A new residential development of up to 180 units together with associated parking for up to 190 vehicles, open space and landscaping).		http://www2.richmond.gov.uk/PlanData2/Planning_CaseNo.aspx?strCASENO=17/2332/RES	16,000sqm
Slough Borough Council							
8	Slough Borough Council	Land Rear of 2-78 Castleview Road, Part of Upton Court Park & Part of 36 Blenheim Road, Upton Court Road, Slough	P/11425/012	Residential development for 300 dwellings with access from Upton Court Road/pedestrian/cycle access from Blenheim Road and Associated Highways, Public Open Space and Landscaping	Approved 18/07/2013	http://www.slough.gov.uk/moderngov/documents/s27808/P11425012%20-%20Land%20Rear%20of%202-78%20Castleview%20Road%20Part%20of%20Upton%20Court%20Park%20Part%20of%2036%20Blenheim%20Roa.pdf	300 dwellings

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
9	Slough Borough Council	The Octagon Site, Brunel Way, Slough, SL1 1XW	P/04888/016	Erection of 2no. Linked office buildings (10no. Floors and 8.no floors) comprising 27,000sqm of internal office floor space (Class B1A) with access, parking and access)	No decision – delegated to Head of Planning Policy and Projects October 2013	http://www.slough.gov.uk/moderngov/documents/s31094/d%20P-04888-016.pdf	27,000sqm
10	Slough Borough Council	Queensmere Shopping Centre, Wellington Street, Slough, Berkshire, SL1 1LN	P/06684/015	Partial demolition and internal alterations/extensions to existing shopping centre as part of a part new build/part refurbished mixed used scheme for 11, 833 sq m of retail including the creation of an additional 535m ² of a1 retail, 439m ² of class a3 - a5 food and drink , 958m ² of class d2 assembly and leisure floor space and 908 residential units. The residential element comprising 632 no. 1 bedroom, 189 no. 2 bedroom and 87 no. Studio apartments being contained within 4 no. Towers of between 14 and 21 storeys plus infilling development on top of the existing shopping centre and a stand alone tower of 21 storeys with a viewing galley on top. Reconfiguration of existing access and frontages onto wellington street and works including, alterations and improvements to the entrances to the shopping centre; provision of amenity space and landscaping; vehicle and cycle parking; refuse and recycling storage; provision of new and/or upgrading existing infrastructure; groundwork's and re-profiling of site levels; ancillary engineering and other operations and plant and machinery	Delegated for approval 26/11/2015	http://www.slough.gov.uk/moderngov/documents/s31588/b%20P-06684-015.pdf	908 residential dwellings
11	Slough Borough Council	Former Heathrow Coldstore, Lakeside Industrial Estate, Lakeside Road, Colnbrook, Slough, SL3 0ED	P/10864/006	Erection of a waste processing facility and link corridor (to an existing building used for food preparation and processing and distribution) with alterations to existing building	Approved (25/7/2014)	http://www.slough.gov.uk/moderngov/documents/s34474/g%20P.10864.006%20Former%20Heathrow%20Coldstore.pdf	a small biomass boiler and flue will be installed burn approximately 550 tonnes of dried waste per year.
12	Slough Borough Council	Former Arbour Vale School, Stoke Road, Slough, Berkshire	P/03896/003	Application for full planning permission for the demolition of the existing building and erection of a non-residential institution (use class d1) for use as a secondary school incorporating building and erection of a three storey academic building, ancillary sports hall and facilities, and playing fields together with new car parking areas and landscaping.	Approved 27/11/2015	http://www.slough.gov.uk/moderngov/documents/s36705/d%20P-03896-003%20Former%20Arbour%20Vale%20School.pdf	>1ha of urban development which is non-residential development (2.87HA)

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
13	Slough Borough Council	Former Arbour Vale School & St Josephs Playing Field, Stoke Road, Slough, SL2 5AY	S/00587/005	Application for full planning permission for the erection of a community stadium together with ancillary accommodation (use class d2) four court sports hall, all weather sports pitch and associated parking and landscaping.	Approved 27/11/2015	http://www.slough.gov.uk/moderngov/documents/s36706/e%20S-00587-005%20Former%20Arbour%20Vale%20School.pdf	>1ha of urban development which is non-residential development (3.37HA)
14	Slough Borough Council	Poyle 14, Newlands Drive, Poyle, Slough, SL3 0DX	P/11490/003	Demolition of existing buildings on site and redevelopment of a 8,758sqm class b8 distribution warehouse together with 6,059sqm of b1(a) ancillary office space (including mezzanine), hgv parking, employee and customer car parking and ancillary works.	Approved 18/5/2015	http://www.slough.gov.uk/moderngov/documents/s36704/c%20P-11490-003%20Poyle%2014.pdf	23,400sqm of new internal floorspace
15	Slough Borough Council	Wexham Park Hospital, Wexham Street, Wexham, Slough, SL2 4HL	P/06622/075	Reconfiguration of existing car parking and provision of an additional 573 car parking spaces.	Approved 30/11/2015	http://www.slough.gov.uk/moderngov/documents/s36708/g%20P-06622-075%20Wexham%20Park%20Hospital.pdf	>1ha of urban development which is non-residential development (24.22HA)
16	Slough Borough Council	43-61, Windsor Road, Slough, SL1 2EE	P/00906/030	Erection of a part 10 / part 7 / part 6 / part 5 storey building comprising 153 residential units, part 7 / part 6 storey building comprising 131 bedroom hotel and ancillary a1, a3, d2 floor space, access, servicing, car parking, landscaping and associated works.	Approved 28/10/15	http://www.slough.gov.uk/moderngov/documents/s36709/h%20P-00906-030%2043-61%20Windsor%20Road.pdf	153 residential units, 7 storey
17	Slough Borough Council	The Langley Academy, Langley Road, Slough, SL3 7EF	P/02631/018	Erection of two storey primary school with nursery and associated access, car and cycle parking, play and amenity space.	Approved 28/8/15	http://www.slough.gov.uk/moderngov/documents/s37661/e%20P-02631-018%20The%20Langley%20Academy.pdf	>1ha of urban development which is non-residential development (1.047HA)
18	Slough Borough Council	1, Brunel Way, Slough, Berks, SL1 1XL	P/00789/028	Demolition of existing building and erection of five - storey office building (class B1a) with ancillary ground floor unit with flexible class A1 / A3 / A4 / D2 use; including 100 car parking spaces and associated servicing arrangements enhanced landscaping and associated public realm improvements and other associated works.	Approved 27th January 2016	http://www2.slough.gov.uk/swiftlg/aspas/run/WPHAPPDETAIL.DisplayUrl?theApnID=P/00789/028&backURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418533%3Esearch%20Criteria%3C/a%3E%20%3E%20%3Ca%20href=%27wphappsearchres.displayResultsURL?ResultID=1024049%26StartIndex=1%26SortOrder=APNID%26DispResultsAs=WPHAPPSEARCHRES%26BackURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418533%3Esearch%20Criteria%3C/a%3E%27%3Esearch%20Results%3C/a%3E	16,403sqm GIA proposed

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
19	Slough Borough Council	Upton Grammar School, Lascelles Road, Slough, Berks, SL37PP	P/06077/025	Phased redevelopment and refurbishment of a secondary school, involving (i) the demolition of 9no. buildings and 5no. temporary buildings (ii) construction of 2no. new buildings comprising a three storey building with a flat roof to provide a school hall, classrooms and associated facilities, and a double-height building with a flat roof to provide a sports hall and associated facilities (iii) multi-use games area and landscaping, and (iv) additional refurbishment and remedial works to main school building.	Approved 21/12/2015	http://www.slough.gov.uk/moderngov/documents/s39903/c%20P-06077-%20025-%20Upton%20Court%20Grammar.pdf	>1ha of urban development which is non-residential development (3.9HA)
20	Slough Borough Council	Land South of Kings Reach & adjacent to Upton Court Park, Slough, SL3 7LT	P/11425/022	Construction of a secondary school (Use Class D1) comprising two and three storey teaching buildings, ancillary sports hall and facilities, playing fields, car parking and landscaping.	Approved 27/6/16	http://www.slough.gov.uk/moderngov/documents/s40448/d%20P-11425-22%20Ditton%20Park%20Academy.pdf	>1ha of urban development which is non-residential development (2.02HA)
21	Slough Borough Council	Lion House, Petersfield Avenue, Slough, SL25DN	P/06348/011	Demolition of existing buildings and erection of a part four, part seven storey building and a part five, part eight storey building comprising residential accommodation, basement car parking, landscaping and associated works.	Approved 28/09/16	http://www.slough.gov.uk/moderngov/documents/s41843/i%20P.06348.011%20Lion%20House%20Petersfield%20Avenue.pdf	8 storey building
23	Slough Borough Council	Kidde Gravinger Ltd, Windsor House, Mathisen Way, Colnbrook, Slough, SL3 0HB	P/11219/007	Demolition of the existing building. Construction of a 3 storey building for Storage/Distribution (B8); Business (B1c); General Industry (B2); ancillary office space. Formation of service yard, car park, ancillary outbuildings, and landscaping.	Approved 20/12/17	http://www.slough.gov.uk/moderngov/documents/s48046/b%20P11219.007_Kidde%20Gravinger%20Mathisen%20Way.pdf	>1ha of urban development which is non-residential development (2.88HA)
24	Slough Borough Council	Brook and Future House, Poyle Road, Colnbrook, Slough, SL3 0AA	P/09961/002	Erection of a new building for class b1b(research, development, high technology) and or b1c (light industrial) and / or b2 (general industry) and / or b8 (storage or distribution) with improved access, new perimeter fence, parking and landscaping. Outline planning application with access to be approved and appearance, landscaping, layout and scale to be reserved.	Approved 20/11/12	http://www.slough.gov.uk/moderngov/documents/s27053/P-09961-002%20-%20Brook%20and%20Future%20House%20Poyle%20Road.pdf	Industrial estate development over 0.5ha
25	Slough Borough Council	Land adjacent to Uxbridge Road/ George Green, Slough, Berkshire, SL2 5NH	P/04317/001	Construction of new road access and amended junction arrangements (required to serve proposed minerals extraction and processing site, together with infilling with construction and demolition waste to existing levels with restoration to agriculture and nature conservation to be decided by bucks cc)	Approved 23/12/14	http://www.slough.gov.uk/moderngov/documents/s31600/h%20P-04317-001.pdf	>1ha of urban development which is non-residential development (25.3HA)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
26	Slough Borough Council	Brunel Place, Brunel Bus Station, Wellington Street, Slough, Berkshire, SL1 1XN	P/02272/013	Application for extension of time for implementing existing planning permission reference p/02272/009 dated 14th october 2009 for: redevelopment of the existing brunel bus station and public car park on wellington street and the construction of a phased office-led mixed use development. full planning permission for building 1 will comprise of 12,365 sq m (gfa) of office (11,163 sq m gia) and retail (199 sq m gia) floor space with shared basement parking serving buildings 1 & 2 (6,584 sq m gea) and associated landscaping and plant. the application includes vehicular access and egress onto brunel way, egress onto william street and alterations to the entrance to the wellington street subway. outline planning permission for building 2 will comprise of up to 22,223 sq m (gea) of office (20,115 sq m gia) and retail (316 sq m gia) floor space. matters for approval include access, scale, layout and landscaping. details of appearance to be reserved	Approved 7/10/15	http://www2.slough.gov.uk/swiftlg/pas/run/WPHAPPDETAIL.DisplayUrl?theApnID=P/02272/013&backURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418735%3Esearch%20Criteria%3C/a%3E%20%3E%20%3Ca%20href=%27wphappsearchres.displayResultsURL?ResultID=1024465%26StartIndex=1%26SortOrder=APNID%26DispResultsAs=WPHAPPSEARCHRES%26BackURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418735%3Esearch%20Criteria%3C/a%3E%27%3Esearch%20Results%3C/a%3E	31,973sqm of floorspace
27	Slough Borough Council	Former Heathrow Cold Store, Lakeside Industrial Estate, Lakeside Road, Colnbrook, Slough, Berkshire, SL3 0ED	P/10864/006	Erection of a waste processing facility and link corridor (to an existing building used for food preparation and processing and distribution) with alterations to existing building.	Approved 25/7/14	http://www2.slough.gov.uk/swiftlg/pas/run/WPHAPPDETAIL.DisplayUrl?theApnID=P/10864/006&backURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418753%3Esearch%20Criteria%3C/a%3E%20%3E%20%3Ca%20href=%27wphappsearchres.displayResultsURL?ResultID=1024495%26StartIndex=1%26SortOrder=APNID%26DispResultsAs=WPHAPPSEARCHRES%26BackURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418753%3Esearch%20Criteria%3C/a%3E%27%3Esearch%20Results%3C/a%3E	Industrial estate development over 0.5ha
28	Slough Borough Council	Aspire 2 Site, Corner of Church Street and Herschel Street, Slough, SL1 1PG	P/01508/042	Construction of a part eight and part nine storey building (Class C3 Use) to accommodate 238 flats together with 47 car parking spaces with landscaping and ancillary works.	Pending – application deferred at Nov 2017 committee		238 residential units

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
29	Slough Borough Council	DHL Flight Assembly Centre, Lakeside Industrial Estate, Lakeside Road, Colnbrook, SL3 0ED	P/16241/002	DHL Flight Assembly Centre, Lakeside Industrial Estate, Lakeside Road, Colnbrook, SL3 0ED	Approved 3/11/16	http://www2.slough.gov.uk/swiftlg/pas/run/WPHAPPDETAIL.DisplayUrl?theApnID=P/16241/002&backURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418751%3Esearch%20Criteria%3C/a%3E%20%3E%20%3Ca%20href=%27wphappsearchres.displayResultsURL?ResultID=1024493%26StartIndex=1%26SortOrder=APNID%26DispResultsAs=WPHAPPSEARCHRES%26BackURL=%3Ca%20href=wphappcriteria.display?paSearchKey=418751%3Esearch%20Criteria%3C/a%3E%27%3Esearch%20Results%3C/a%3E	Industrial estate development over 0.5ha
London Borough of Hounslow							
30	London Borough of Hounslow	Indian Gymkhana Club Ltd, Thornbury Avenue, Isleworth TW7 4NQ (Osterley & Spring Grove)	01118/B/P18	Extensions to the existing clubhouse incorporating new toning facility and staff and visiting sports teams' accommodation	Approved 7/3/2013	http://planning2.hounslow.gov.uk/A/niteIM.WebSearch/Results.aspx	>1ha of urban development which is non-residential development (4.35HA)
31	London Borough of Hounslow	Westbrook Primary School, Westbrook Road Hounslow (Heston Central Ward)	P/2011/2967 01187/A/S10	Three-form entry primary school to replace the existing two-form entry school.	Approved 9/5/13	http://democraticservices.hounslow.gov.uk/documents/s79031/Westbrook%20Primary%20amended%20report.pdf	>1ha of urban development which is non-residential development (1.9HA)
32	London Borough of Hounslow	Former Phase 2 Vector Park, Forest Road, Feltham, London, TW13 7RR (Hanworth Park)	P/2013/0081 00167/C/P19	The application is for the erection of a storage and distribution centre (Class B8) with associated landscaping, car parking and boundary treatments.	Approved 16/7/13	http://democraticservices.hounslow.gov.uk/documents/s79027/Vector%20Park.pdf	>1ha of urban development which is non-residential development (site area 2.2 ha)
33	London Borough of Hounslow	632-652 London Road, Isleworth TW7 4EY	P/2013/0941 00707/632-652/P29	The proposed development would consist of the demolition of the existing office building and the re-development of the site to provide 155 mixed tenure homes with associated landscaping, parking and access arrangements.	Approved 9/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0941	155 dwellings
34	London Borough of Hounslow	Feltham Hill Junior School Ashford, Feltham London TW134QP	P/2013/1316 00051/GA/P2	Demolition of two classroom buildings, installation of two temporary buildings for use as classrooms and offices and installation of temporary access ramp to the front of the site.	Approved 16/7/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1316	>1ha of urban development which is non-residential development (2.5HA)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
35	London Borough of Hounslow	Norwood Green Infant and Nursery School Thorncliffe Road, Southall, London, UB25RN	P/2013/1366 01120/A/P6	Installation of a temporary detached single storey classroom building with associated access ramp and steps.	Approved 10/7/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1366	>1ha of urban development which is non-residential development (1.3HA)
36	London Borough of Hounslow	Norwood Green Infant and Nursery School Thorncliffe Road, Southall, London, UB25RN	P/2013/2612 01120/A/P7	Installation of additional hardstanding to form a car parking area and erection of two single storey rear extensions to create 5 new classrooms and a staffroom to increase the capacity of the school to 4 forms of entry	Approved 16/10/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2612	>1ha of urban development which is non-residential development (1.3HA)
37	London Borough of Hounslow	Norwood Green Infant and Nursery School Thorncliffe Road, Southall, London, UB25RN	P/2014/4526 01120/A/P8	Widening of existing vehicular access onto the school and installation of new pedestrian gates to adjacent playground	Approved 3/2/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4526	>1ha of urban development which is non-residential development (1.3HA)
38	London Borough of Hounslow	Land adjacent to Nallhead Road and Country Way, Feltham (Hanworth Ward)	P/2013/1544 00784/J/P1	The application proposes three five-a-side football pitches, three seven-a-side football pitches, a cricket net and a basketball/netball court with erection of pavilion, floodlighting and fencing, associated landscaping, car parking provision and vehicular access	Approved 23/6/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1544	>1ha of urban development which is non-residential development (1.67HA)
39	London Borough of Hounslow	Marjory Kinnon School Hatton Road, Feltham, London TW149QZ	P/2013/1612 00576/C/P9	Installation of a two temporary buildings containing classrooms and offices and installation of new hardstanding on green belt land.	Approved 20/8/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1612	Development in the green belt
40	London Borough of Hounslow	Units 17-26 Ashford Industrial Estate Shield Road Ashford, London, TW15 1AU	P/2013/1601 01367/D/P1	Change of use of Units 17 and 21 for Class B1(c) light industry and/ or Class B8 (storage and distribution) and change of use of Units 18-20 and 22-26 inclusive for Class B1 (c) light industry, Class B2 (general industrial) and/or Class B8 (storage and distribution)	Approved 27/9/13	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=31/12/2017&strRecFrom=01/01/2013&strStreet=ALL&strStreetTxt=All%20Streets&strWard=ALL&strAppTyp=MPF&strWardTxt=All%20Wards&strAppTypTxt=Major%20Full%20Applications&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500	>1ha of urban development which is non-residential development (1.10HA)
41	London Borough of Hounslow	Land South West of Green Lane Hounslow London TW46DH	P/2013/0405 00507/Y/P2	Erection of a clubhouse, covered standing and seating area with provision of football pitches and associated parking.	Approved 16/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0405	>1ha of urban development which is non-residential development (4.48HA)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
42	London Borough of Hounslow	Land South West of Green Lane Hounslow London TW46DH	P/2016/1160 00507/Y/P3	Variation of condition 8 to change the opening and closing times of the Sports Club to 07.00 to 23.00 (Monday and Sunday inclusive) and condition 10 to allow floodlights to be used from 16.00 to 22.00 daily of planning permission 00507/Y/P2 dated 16/10/2015 for erection of clubhouse, covered standing area and seating area with provision of football pitches and associated parking	Approved 27/6/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1160	>1ha of urban development which is non-residential development (4.48HA)
43	London Borough of Hounslow	Beavers Primary School Arundel Road, Hounslow, TW46HR	P/2013/1528 00046/A/P10	Temporary relocation of the existing modular building and erection of one temporary classroom building to the front of the school	Approved 20/8/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1528	>1ha of urban development which is non-residential development (2.3HA)
44	London Borough of Hounslow	Marlborough Primary School London Road, Isleworth TW75XA	P/2013/1912 00707/X/P3	Installation of a one temporary building consisting of one classroom with supporting spaces	Approved 20/8/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1912	>1ha of urban development which is non-residential development (2.6HA)
45	London Borough of Hounslow	BRITISH SKY BROADCASTING Grant Way Isleworth London TW7 5QD	P/2013/2478 00558/A/P50	The development of a mixed use building comprising 40,250 offices (Class B1a), studio, production and research and development facilities (Class B1b); a new Energy Centre: hard and soft landscaping, servicing facilities; and bicycle parking together with all necessary ancillary and enabling works, plant and equipment 00558/A/P51 Outline application for the demolition of existing buildings and structures and the development for a media broadcasting and production Campus of up to 104,670sqm (GIA) comprising office (Class BA1), studio production and research and development facilities (Class B1b) and warehouse/storage (Class B8); hard and soft landscaping; reconfigured and new vehicle and pedestrian accesses and works to the public highway; the provision of parking; and all necessary ancillary and enabling works, plant and equipment	Approved 20/12/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2478	<ul style="list-style-type: none"> • 2 applications seeking to redevelop the campus • 1 detailed application for a mixed use building of 40,250 sq.m • Outline application for a media broadcasting and production campus of up to 104,670 sq.m
46	London Borough of Hounslow	BRITISH SKY BROADCASTING Grant Way Isleworth London TW7 5QD	P/2014/5268	Variation of Condition 2 (Plans) resulting in a a building comprising of 46,500m2 following planning permission 00558/A/P50 dated 20/12/2013 for the development of a mixed use building comprising 40,250sqm (Class B1a), studio, production and research and development facilities (Class B1b), a new Energy Centre, hard and soft landscaping, servicing facilities and bicycle parking together with all necessary ancillary and enabling work, plant and equipment	Approved 2/4/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5268	Increased floorspace to 46,500

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
47	London Borough of Hounslow	BRITISH SKY BROADCASTING Grant Way Isleworth London TW7 5QD	P/2016/3986	Variation of condition 7 (approved plans) to allow for B8 use within Parcel D, reallocation of parking and changes to Parcel D height parameters along with pedestrian and vehicular access and accessible space to planning permission dated 2 April 2015 for Section 73 application seeking a minor material amendment to planning permission 00558/A/P55 which granted approval for a section 73 application seeking minor material amendment (reduce site boundary, reduction of B1 floor space, reallocation of parking, changing position of link road and changes to parameters of plots) to planning permission 00558/A/P51 which granted approval for an Outline application for the demolition of existing buildings and structures and the development for a media broadcasting and production campus of up to 104,670 sq m (GIA) (now reduced to 95,934 sq m - excluding parking floorspace) comprising office (Class B1a), studio production and research and development facilities (Class B1b) and warehouse/storage (Class B8); hard and soft landscaping; reconfigured and new vehicle and pedestrian accesses and works to the public highway; the provision of parking; and all necessary ancillary and enabling works, plant and equipment.	Approved 18/8/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3986	
48	London Borough of Hounslow	Crane park primary school norman avenue feltham london tw13 5ln	P/2013/2726 00806/A/P11	Erection of an additional form of entry including new single storey reception teaching block and new two storey teaching block.	Approved 24/10/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2726	>1ha of urban development which is non-residential development (3.8HA)
49	London Borough of Hounslow	18-21 Pulborough Way Hounslow London TW46DE	P/2013/3262 0 1275/18-21/P1	Redevelopment of the site to provide a 4,544.4sqm industrial/ warehouse unit B1(c), B2 or B8 use, with ancillary offices, and ancillary B1(a) office use, service yard, access, landscaping, car parking, cycle shelter, plant, fencing, bollards, CCTV and lighting columns	Approved 29/11/13	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3262	>1ha of urban development which is non-residential development (1.06HA)
50	London Borough of Hounslow	Cranford Community College High Street Cranford London TW5 9PD	P/2014/0287 00608/E/P32	Replacement of the existing synthetic training pitch and erection of temporary dome including the installation of ancillary plant (temporary period of 3 years)	Approved 30/10/14	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0287	Green belt development
51	London Borough of Hounslow	Land at Bedfont Lakes Clockhouse Lane Feltham, TW148RD	P/2014/0322 00287/K/P2	Erection of a 426 guestroom hotel, consisting of conferencing and meeting facilities, restaurant and bar, health club and swimming pool, extensive landscaping, parking and associated development	Approved 2/4/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0322	>1ha of urban development which is non-residential development (4.8HA) & over 15,000sqm (47,000)

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
52	London Borough of Hounslow	Bedfont Trading Estate, Bedfont Road, East Bedfont, Feltham, TW1483F	P/2014/0940 00096/B/P48	Redevelopment of existing industrial, storage and related uses to provide an industrial and warehouse estate with car parking and landscaping of 29,461sqm (GEA) comprising B1c, B2 and B8 land uses with upper limit of 5000sqm on the combined B1c/B2 floorspace.	Approved 23/7/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0940	Non-resi floorspace over 15,000sqm (29,461sqm (GEA))
53	London Borough of Hounslow	Standard House and Adams House Challenge Road, Ashford TW151AX	P/2014/1045 01366/N/P1	Demolition of existing buildings. Erection of 7, two storey, employment units, re-organisation of existing car parking, servicing and manoeuvring areas	Approved 02/04/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1045	Green Belt
54	London Borough of Hounslow	26a-34 & 42-52 High Street, TW31NW	P/2014/1934 00610/BB/P3	Variation of Condition 7 (Use Class) to allow Unit 4 of Hounslow 1 to be used as A1/D2 (retail/leisure) & Condition 20 (Operating hours) to allow Unit 4 of Hounslow 1 to have unrestricted opening hours of planning permission 00610/BB/P2 for the redevelopment of 44-52 High Street comprising construction of a nine-storey building with retail at ground floor and 61 flats above; & development 26a-34 High Street to provide 40 residential units by conversion of the public house use at ground level and the offices and ancillary residential accommodation on the first & second floors & construction of two additional floors; together with the provision of rear servicing to both sites from Cecil Road	Approved 23/12/14	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1934	over 30m
55	London Borough of Hounslow	Bedfont Sports Club Bedfont Recreation Ground Hatton Road Feltham London TW14 9QT	P/2014/2113 00576/D/P22	Erection of a spectator viewing stand	Approved 12/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2113	Green belt
56	London Borough of Hounslow	Heston Leisure Centre and surrounding land, New Heston Road, Hounslow TW5 0LW (Heston Central)	P/2013/0602	Demolition of existing leisure centre, No. 21 New Heston Road and Scout hall buildings and erection of a two storey leisure complex (Site D) with associated cycle and car parking, erection of three no. 3G pitches with flood lighting and fencing, provision of three no. MUGAs, installation of children's play area, extension to existing CIP building on the eastern boundary for use by Scouts, installation of new vehicular crossing to Welbrooke Children's Home, associated improvements to Heston Park, associated outline application for enabling residential developments of Sites A and B with creation of vehicular access points to New Heston Road and all other matters reserved, associated outline application for erection of a four storey building for fourteen flats with associated car parking, bin store and cycle parking (Site C) with means of access, scale and layout to be determined and all other matters reserved	Approved 10/10/2013	http://planning2.hounslow.gov.uk/NPSPublicDocs/00577438.pdf	206 residential units

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
57	London Borough of Hounslow	Heston Leisure Centre and surrounding land, New Heston Road, Hounslow TW5 0LW (Heston Central)	P/2014/2191 00798/Q/S5	Variation of Condition A12 (to be reworded to state "In respect of Site A, a maximum of 124 parking spaces shall be provided on site unless otherwise agreed in writing with the local planning authority") from approved planning permission 00798/Q/S4 dated 10/10/2013	Approved 29/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2191	206 residential units
58	London Borough of Hounslow	Heston Leisure Centre and surrounding land, New Heston Road, Hounslow TW5 0LW (Heston Central)	P/2015/2461 00798/Q/S4(B11)	Variation of Condition B11 to allow removal of Sycamore tree of planning permission 00798/Q/S4 dated 10/10/2013 for demolition of existing leisure centre, No. 21 New Heston Road and Scout hall buildings and erection of a two storey leisure complex (Site D) with associated cycle and car parking, erection of three no. 3G pitches with flood lighting and fencing, provision of three no. MUGAs, installation of children's play area, extension to existing CIP building on the eastern boundary for use by Scouts, installation of new vehicular crossing to Welbrooke Children's Home, associated improvements to Heston Park; erection of a four-storey building consisting of 14 one- and two-bedroom flats with associated landscaping and parking (Site C); associated outline application for enabling residential developments of Sites A and B with creation of vehicular access points to New Heston Road and all other matters reserved with means of access, scale and layout to be determined and all other matters reserved.	Approved 21/8/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2461	206 residential units
59	London Borough of Hounslow	Units 8-9 Heathrow International Trading Estate, Hounslow, TW46HB	P/2014/2319 00507/M8-9/P2	Change of use from class B8 to flexible B1 (c), B2 and/or B8 with ancillary office	Approved 19/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2319	>1ha of urban development which is non-residential development (2.1HA)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
60	London Borough of Hounslow	Land west of Dick Turpin Way Feltham, London TW140PQ	P/2014/3643 01380/C/P5	Variation of Conditions 8 (Sustainable Drainage), 9 (Sustainable Materials), 13 (Drainage Strategy), 15 (Construction Management Strategy), 20 (CHP feasibility) and 21 (GSHP feasibility) to be submitted and approved prior to commencement of construction of the basement foundations of the hotel building only and variation to 14 (Birds Hazard Management) and 22 (Roof Design) to be submitted and approved prior to commencement of the construction of the structural frame of the hotel building only and Condition 12 (Accessibility Management Plan) to be submitted prior to occupation of the building and Condition 3 (approved Plans) following planning permission 01380/C/P4 dated 18/11/2011 for the demolition of the existing building and the erection of a six storey hotel comprising of 583 bedrooms; including 131 car parking spaces, creation of a new vehicular access from Fagg's Road, alterations to existing vehicular access from Dick Turpin's Way; installation of water storage tanks, plant room structures, hard landscaping and associated works; also use of the associated small site for coach parking.	Approved 11/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3643	6 storey hotel comprising 583 rooms, 131 car parks
61	London Borough of Hounslow	Land west of Dick Turpin Way Feltham, London TW140PQ	P/2016/1555	Variation of condition 3 (approved plans) to add an additional level of basement accommodation, revised ground floor arrangement and associated access, landscaping and additional elevation alterations following planning permission 01380/C/P5 dated 11 November 2014 for demolition of the existing building and the erection of a six storey hotel comprising of 583 bedrooms; including 131 car parking spaces, creation of a new vehicular access from Fagg's Road, alterations to existing vehicular access from Dick Turpin's Way; installation of water storage tanks, plant room structures, hard landscaping and associated works; also use of the associated small site for coach parking (as amended by the Section 73 application). Removal of condition 1 (Time Limit) and variation of conditions 2, (Materials), 5 (Landscaping), 6 (Boundary Treatment) 8 (Sustainable Urban Drainage Systems), 9 (Sustainable Construction), 10 (Land Contamination), 13 (Drainage Strategy), 14 (Bird Hazard Management Plan), 15 (Construction Management Plan), 19 (Soft/Water Landscaping works), 21 (CHP Feasibility), 22 (Ground Source Heat Pump Feasibility) and 23 (Roof Design) to amend and update the information and discharge pre construction conditions.	Approved 24/8/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1555	6 storey hotel comprising 583 rooms, 131 car parks

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
62	London Borough of Hounslow	Land west of Dick Turpin Way Feltham, London TW140PQ	P/2017/3933	Variation of condition 3 (approved plans) to vary the elevational details, site layout and access of planning permission 01380/C/P4 dated 18 November 2011 for demolition of the existing building and the erection of a six storey hotel comprising of 583 bedrooms; including 131 car parking spaces, creation of a new vehicular access from Fagg's Road, alterations to existing vehicular access from Dick Turpin's Way; installation of water storage tanks, plant room structures, hard landscaping and associated works; also use of the associated small site for coach parking (as amended by the Section 73 applications 01380/C/P5 and 01380/C/P6 dated 11 November 2014 and 24 August 2017). (Amended site plan and description	Pending consideration. Received 13/9/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3933	6 storey hotel comprising 583 rooms, 131 car parks
63	London Borough of Hounslow	804-834 Bath Road, London, TW5 9UH	P/2014/4395	Erection of a 7 storey hotel building comprising of a total of 437 Bedrooms together with ancillary hotel facilities on the ground floor and 122 parking spaces	Approved 11th July 2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4395	7 storey building, 437 bedroom hotel
64	London Borough of Hounslow	804-834 Bath Road, London, TW5 9UH	P/2016/526714	Variation of conditions 2 (plans), 3 (materials) and 17 (SUDS) of planning permission 00083/804-834/P4 dated 15/07/2015 for the erection of a 7 storey hotel building comprising of a total of 437 Bedrooms together with ancillary hotel facilities on the ground floor and 122 parking spaces	Approved 06/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5267	7 storey building, 437 bedroom hotel
65	London Borough of Hounslow	804-834 Bath Road, London, TW5 9UH	P/2016/0029	Variation of condition 2 of planning permission 00083/804-834/P4 dated 15/07/2015 to reflect minor alterations to built form, elevational detail and layout to reflect design development for Erection of a seven-storey hotel building comprising of a total of 437 Bedrooms together with ancillary hotel facilities on the ground floor and 122 parking spaces	Approved 4/1/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0029	7 storey building, 437 bedroom hotel
66	London Borough of Hounslow	Bedfont Sports Club Bedfont Recreation Ground Hatton Road Feltham London TW14 9QT	P/2014/476400576/E/P1	Conversion of the grass football pitch to 3g Artificial Turf Pitch (ATP) with perimeter ball-stop fencing and associated works	Approved 26/2/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4764	Development in the green belt
67	London Borough of Hounslow	Feltham Community College Browells Lane, Feltham, London, TW137EF	P/2014/4811	Construction of a new two storey 96 place special educational needs school with associated hard/soft landscaping and car parking with re-configuration of existing college car park	Approved 18/3/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4811	Development in the green belt

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
68	London Borough of Hounslow	396-418 London Road Isleworth London TW7 5AD	P/2015/0567	Redevelopment of the site by erection of blocks two to six-storeys high comprising 203 flats and 768 square metres (gross internal area) of commercial space for a flexible use within Use Classes B1, A1, A2 or A3, together with associated landscaping, roof gardens and decked amenity spaces, revised access from London Road, car parking, cycle parking, refuse and recycling, and ancillary facilities	Approved 13/11/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0567	203 residential units
69	London Borough of Hounslow	Church Meadow Bath Road Hounslow, London, TW47DF	P/2015/0806 00083/L/P18	Erection of a part single part two storey building to form new junior school with a single storey sports pavillion and associated landscaping, access road and parking	Approved 26/10/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0806	>1ha of urban development which is non-residential development (3.8HA)
70	London Borough of Hounslow	High Street Quarter, Alexandra Road/Holloway Street/Prince Regent Road	P/2015/0913	Demolition of commercial and residential properties, site clearance and redevelopment comprising - The construction of a mixed-use development comprising five blocks with 527 residential units (311 private units, 108 shared ownership units and 108 affordable rent units), a multiscreen cinema (Use Class D2) of 5,267sqm (GEA), 9,830sqm (GEA) of retail, restaurant and cafe uses (Use Classes A1, A2, A3, A4 and A5), infrastructure including 513 parking spaces, 686 cycle parking spaces, service areas, public realm incorporating pedestrian/cycle circulation areas with associated hard and soft landscaping and private amenity spaces	Approved 8/2/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0913	527 residential units
71	London Borough of Hounslow	High Street Quarter, Alexandra Road/Holloway Street/Prince Regent Road	P/2017/2524	Variation of condition 2 (approved plans) to allow an increase in the floor area of both the cinema by 1,141sqm (GEA) and retail by 1369sqm (GEA), one additional residential unit and alterations to the fenestration, elevational detailing, massing, and layout and positioning of blocks, to remove condition 17 (waste) and to amend the description to demolition of commercial and residential properties, site clearance and redevelopment comprising the construction of a mixed-use development comprising five blocks with 528 residential units (312 private units, 155 shared ownership units and 61 affordable rent units), a multiscreen cinema (Use Class D2) of 6,408sqm (GEA), 11,199sqm (GEA) of retail, restaurant and cafe uses (Use Classes A1, A2, A3, A4 and A5), infrastructure including 513 parking spaces, 936 cycle parking spaces, service areas, public realm incorporating pedestrian/cycle circulation areas with associated hard and soft landscaping and private amenity spaces of planning permission 00616/F/P20 approved 13/03/2017	Approved 27/4/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2524 http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4889	Changes include increase in retail floorspace from 9820sqm to 11,199 GEA, provision of additional residential unit

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
72	London Borough of Hounslow	High Street Quarter, Alexandra Road/Holloway Street/Prince Regent Road	P/2016/4889 00616/F/P20	Variation of condition 52 to alter cinema opening hours following planning permission 00616/F/P19 dated 8/2/2016 for demolition of commercial and residential properties, site clearance and redevelopment comprising - The construction of a mixed-use development comprising five blocks with 527 residential units (311 private units, 108 shared ownership units and 108 affordable rent units), a multiscreen cinema (Use Class D2) of 5,267sqm (GEA), 9,830sqm (GEA) of retail, restaurant and cafe uses (Use Classes A1, A2, A3, A4 and A5), infrastructure including 513 parking spaces, 686 cycle parking spaces, service areas, public realm incorporating pedestrian/cycle circulation areas with associated hard and soft landscaping and private amenity spaces	Approved 13/3/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4889	
73	London Borough of Hounslow	The Marjory Kinnon School Hatton Road, Feltham, London TW14QZ	P/2015/1606 00576/C/P10	Erection of two single storey double temporary classrooms and relocation of one single temporary classroom	Approved 20/10/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1606	Development in the green belt
74	London Borough of Hounslow	Expeditors UK Ascot Road, Feltham, TW148QH	P/2015/1911 0 1270/E/P5	Installation of new plant within an existing compound to the south of the warehouse	Approved 20/7/15	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1911	>1ha of urban development which is non-residential development (3.7HA)
75	London Borough of Hounslow	9-21 Bell Road, Hounslow, TW33NR	P/2015/2397 0 0108/9-21/P4	Erection of a part 6 part 11 storey building to include 127 mixed residential units and 1,127sqm of commercial floor space at ground floor level with associated access, highways, car and cycle parking and landscaping	Approved 24/1/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2397	Height exceeds 30m
76	London Borough of Hounslow	Thames Water Utilities, Mogden Sewage Treatment Works, Mogden Lane, Isleworth (Isleworth Ward)	P/2015/4338 00768/H/P26	Erection of 26 metre free-standing multi flue stack and 5.2 metre high sampling access platform	Approved 7/4/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4338	>1ha of urban development which is non-residential development (55HA)
77	London Borough of Hounslow	The Marjory Kinnon School Hatton Road, Feltham, London TW14QZ	P/2015/5342 00576/C/P11	Demolition of existing school, change of use from allotments to a school and erection of an SEN school.	Approved 27/1/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5342	Development in the green belt
78	London Borough of Hounslow	Standard House and Adams House Challenge Road, Ashford TW151AX	P/2015/5358 01366/N/P2	Variation of condition 2 (approved plans) of planning permission 01366/N/P1 dated 02/04/2015 for the Demolition of existing buildings. Erection of seven, two storey, employment units, re-organisation of existing car parking, servicing and manoeuvring areas.	Approved 17/3/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5358	Development in the green belt, Exceeds 30m

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
79	London Borough of Hounslow	The Lawns Car Park adjacent 31 Bath Road, TW33EB	P/2015/5418/00083/ZA/P1	Erection of New Civic Centre incorporating office accommodation and associated civic facilities, public library and registrar, associated car parking facilities, access and public realm and footway improvements	Approved 8/4/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5418	16,096sqm non resi floorspace
80	London Borough of Hounslow	Recreational land Gresham Road, Hounslow, TW34BX	P/2015/5435/00519/D/P5	Erection of a new school for ages 11 to 25; young people with special educational needs, 224 students in 30 classes together with sports and other facilities for shared community use along with parking and other associated development	Approved 24/6/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5435	>1ha of urban development which is non-residential development (1.8HA)
81	London Borough of Hounslow	Hounslow Civic Centre and 88 Lampton Road, Hounslow, TW34DW	P/2015/5505/00676/88/P2	Hybrid application for demolition of existing buildings, to include a Full application for:- 178 residential dwellings (C3 use), flexible uses including retail (A1 use) or cafe (A3 use) or community centre (D1 use), car parking, public space, landscaping and associated works; and an Outline application for:- up to 762 residential dwellings (C3 use) and associated car parking, public space, landscaping and associated works, with all matters to be reserved except means of access.	Approved 8/7/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5505	178 / up to 762 residential dwellings, 3-9 storeys in height
82	London Borough of Hounslow	Feltham Community College Browells Lane, Feltham, London, TW137EF	P/2016/0171/01145/F/P21	Proposed retention of temporary modular buildings for one year and demolition of an existing single storey classroom extension and erection of a replacement two storey extension, infilling of ground floor walkway to the rear and installation of additional windows to an existing teaching block for use by the Logic Studio School	Approved 15/4/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0171	Development in green belt
83	London Borough of Hounslow	Feltham Community College Browells Lane, Feltham, London, TW137EF	P/2016/0380/01145/F/P22	Variation of condition 9 of planning permission 01145/F/P19 dated 18/3/2015 to allow temporary building to be occupied by Logic Studio School. For construction of a new two storey 96 place special educational needs school with associated hard/soft landscaping and car parking with re-configuration of existing college car park.	Approved 15/4/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0380	Development in the green belt
84	London Borough of Hounslow	Feltham Community College Browells Lane, Feltham, London, TW137EF	P/2016/2957/01145/F/P23	Variation of condition 3 to amend approved drawings to allow installation of external plant store following planning permission 01145/F/P21 dated 15/04/2016 for proposed retention of temporary modular buildings for one year and demolition of an existing single storey classroom extension and erection of a replacement two storey extension, infilling of ground floor walkway to the rear and installation of additional windows to an existing teaching block for use by the Logic Studio School.	Approved 21/9/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2957	Development in the green belt
85	London Borough of Hounslow	108B High Street, Hounslow TW31NA	P/2016/0531/00610/108B/P12	Demolition of an existing single storey storage building and construction of a seven storey building comprising one Class A1 Retail unit and 22 one- and two-bedroom flats and associated facilities.	Approved 9/8/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0531	Exceeds 30m (28m)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
86	London Borough of Hounslow	Units 2-3 and Units 6-7 Space Way and 27 Central way Feltham, TW140TH	P/2016/0574 01378/B/P1	Erection of three buildings for flexible Use Class B1(c) (light industry), B2 (general industry) and/or B8 (storage or distribution) purposes with ancillary B1(a) (office) floor space; service yards; vehicle and cycle parking; alterations to vehicular accesses; landscaping; boundary treatment; external lighting; plant and associated engineering works.	Approved 19/5/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0574	>1ha of urban development which is non-residential development (1.57HA)
87	London Borough of Hounslow	Waste Depot, Southall Lane, Land forming part of former Western International Market Southall Lane, Hayes, UB25XJ	01032/I/P1	Local Authority Household Waste Facility to receive, handle, bale and store prior to transport of up to approximately 30,000 tonnes of dry recyclable waste (Use Class Sui Generis) at Southall Lane, Hayes, including ancillary office accommodation and vehicle workshop, together with improvements to existing site access, car parking, lighting, and associated works.	Approved 31/5/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0685	>1ha of urban development which is non-residential development (1.7HA)
88	London Borough of Hounslow	Waste Depot, Southall Lane, Land forming part of former Western International Market Southall Lane, Hayes, UB25XJ	P/2016/5748	Erection of a construction and demolition waste recycling facility, concrete batching plant and associated weighbridge, weighbridge office and welfare facilities, storage bays, car and HGV parking, and use of land for fleet parking. Consent sought for a temporary period of three years	Pending consideration. Approved 6/4/17 (subject to s106)	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5748	>1ha of urban development which is non-residential development (1.7HA)
89	London Borough of Hounslow	Waste Depot, Southall Lane, Land forming part of former Western International Market Southall Lane, Hayes, UB25XJ	P/2017/0627	Variation of condition 3 (approved plans) to include new drawings and statement for permission 01032/I/P1 dated 31/05/2016 for Local Authority Household Waste Facility to receive, handle, bale and store prior to transport of up to approximately 30,000 tonnes of dry recyclable waste (Use Class Sui Generis) at Southall Lane, Hayes, including ancillary office accommodation and vehicle workshop, together with improvements to existing site access, car parking, lighting, and associated works.	Approved 15/5/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0627	>1ha of urban development which is non-residential development (1.7HA)
90	London Borough of Hounslow	The Master Robert Hotel, 366 Great West Road, Hounslow, TW50BD	P/2016/1859 00505/366/P2 5	Demolition of the existing hotel buildings and the construction of a new 4 storey, 118-bedroom hotel with associated facilities, access and parking and 34 new dwellings comprising 18 no. 3 bed houses, 4 no. 2 bed accessible houses and 12 no. 2 bed flats, with associated amenity space, access and parking.	Approved 12/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1859	>1ha of urban development which is non-residential development (1.28HA) 118 hotel bedrooms
91	London Borough of Hounslow	12-32 Lampton Road, Hounslow, TW31JH	P/2016/2458 0 0676/12-32/P4	Variation of condition 19 (approved plans) to allow for amended plans in respect of planning permission 00676/12-32/P3 allowed at appeal ref APP/F5540/A/10/2131708 dated 26/01/2011 for erection of a part three storey part six storey building comprising two hotels, one of 128 rooms, the other 60 rooms, with associated parking	Approved 14/10/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2458	188 hotel rooms

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
92	London Borough of Hounslow	Cranford Infant and Nursery School Berkeley Avenue, Hounslow, TW46LB	P/2016/3101 0 0111/A/P3	Erection of 2 no. new Modular Eco-classrooms consisting of 1 no. with three classrooms and 1 no. with two classrooms.	Approved 15/9/16	http://planning2.hounslow.gov.uk/A/niteIM.WebSearch/Results.aspx	>1ha of urban development which is non-residential development (2.3HA)
93	London Borough of Hounslow	Hounslow Town Primary School Pears Road, Hounslow, TW31SR	P/2016/3221 0 0870/F/P6	Demolition of existing building and erection of new five-form entry primary school and 284 dwellings, including access, landscaping, servicing arrangements, cycle and car parking, with refuse and recycling facilities.	Approved 2/12/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3221	284 dwellings
94	London Borough of Hounslow	Former Hounslow House, 714-746 London Road, Hounslow, TW31PD	P/2016/3939 0 0707/714-746/P21	Redevelopment of the site to provide buildings of varying height between 2 and 11 storeys above ground, comprising 293 residential units (Use Class C3) and 926sqm of flexible commercial floorspace (Use Class A1-A3 / B1 / D1) together with associated car parking, cycle parking, landscaping and infrastructure works.	Approved 19/6/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3939	293 dwellings
95	London Borough of Hounslow	Hounslow Heath Junior School, Selwyn Close, Hounslow, TW47BD	P/2016/4141 01003/A/P7	Expansion of Hounslow Heath Junior School from 5-form entry to 7-form entry comprising the erection of a detached 3-storey teaching block, extensions to the existing school building including a single storey extension to the north west corner, single storey extension within the eastern courtyard and single storey lobby extension to the main entrance of the building, the provision of three temporary modular buildings to the eastern side of the playing fields.	Approved 3/3/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4141	>1ha of urban development which is non-residential development (2.03HA)
96	London Borough of Hounslow	606 Central Way Feltham TW140RX	P/2017/0550 00229/FG/P10	Change of use of existing building on the site from B8 (storage and distribution) to alternative B1 (c) (light industrial) / B2 (general industrial) / B8 (storage and distribution) use	Approved 10/5/17	http://planning2.hounslow.gov.uk/A/niteIM.WebSearch/Results.aspx	>1ha of urban development which is non-residential development (8.8HA)
97	London Borough of Hounslow	37-45 Hounslow Road, Feltham, TW140AU	P/2016/5647 0 0631/Z/P3	Redevelopment of the site to provide a three-storey plus basements 151 bed apartment / hotel with 45 car parking, 14 cycle parking spaces, refuse / recycling area and associated landscaping following demolition of existing properties at Hounslow Road.	Approved 12/10/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5647	151 bed/apartment hotel
98	London Borough of Hounslow	Land forming part of Former Western International Market, Southall Lane, Hounslow, UB25XJ	P/2016/5748 01032/E/P44	Erection of a construction and demolition waste recycling facility, concrete batching plant and associated weighbridge, weighbridge office and welfare facilities, storage bays, car and HGV parking, and use of land for fleet parking. Consent sought for a temporary period of three years. (Revised plan received relocating internal access point, reducing HGV and car parking and reducing width of picking station).	Approved 18/1/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5748	>1ha of urban development which is non-residential development (1.7HA)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
99	London Borough of Hounslow	Vantage Logistics Centre, Ariel Way Hounslow, TW46JW	P/2017/2824 00504/AE/P20	Demolition of existing buildings and structures and re-development comprising the construction of five industrial units (B1(c)/B2/B8 uses) with ancillary offices, means of access, car and cycle parking facilities, drainage, landscaping, plant and ancillary works. (amended plans received)	In progress received 30/6/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2824	>1ha of urban development which is non-residential development (4.6HA)
100	London Borough of Hounslow	1-83 High Street Hounslow, TW31RH	P/2017/3530 0610/1-83/P2	Erection of extension above existing retail parade (two storeys) ranging between two - eight storeys (maximum of ten storeys in total) to provide 156 One, two and three bedroom flats with associated access, amenity space and 8no. disabled car parking spaces. External alterations to shopfronts of Nos. 1-83 High Street and the change of use of No. 57 and 73 High Street from retail (Class A1) to provide residential access and service core (Class C3).	In progress received 16/8/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3530	exceeds 30m height, 156 dwellings
101	London Borough of Hounslow	Former Woodbridge Park Education Service Site Twickenham Road / London Road, Isleworth TW76AU	P/2017/3934 01137/AA/P3	Demolition of existing single-storey school buildings, and the southern extension and outbuilding to the north of the Grade II listed Busch House. Temporary demolition of part of the Twickenham Road boundary wall of Busch House and re-instatement, and widening of the existing vehicular access to Twickenham Road. Partial demolition and relocation of the Grade II* curtilage listed boundary wall to London Road and provision of a new pedestrian access. Works to the interior and exterior of Busch House including the installation of an external platform lift at the rear. Construction of a new five form entry secondary school and sixth form in a building of between two and four storeys including modifications to the existing car park, new cycle and refuse stores, a multi-use games area and installation of an artificial sports pitch with associated plant, landscaping and lighting (Planning and listed building application)	In progress received 13/9/17	http://planning2.hounslow.gov.uk/AniTelM.WebSearch/Results.aspx?grdResultsP=2	>1ha of urban development which is non-residential development (1.06HA)
102	London Borough of Hounslow	Former Morrison's 8 Cavendish parade Bath Road Hounslow Tw4 7dj	P/2017/4277	Demolition of existing buildings and erection of four to seven storey buildings (plus eighth storey of stairway and lift overruns) to provide 176 residential units (Use Class C3) and 815sqm (GIA) retail floorspace (Use Class A1) with associated access, car and cycle parking, landscaping and other associated works.	Approved subject to s106	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4277	176 residential units
103	London Borough of Hounslow	Whitelocke House 2-4 Lampton Road Hounslow TW31HU	P/2017/5121 0676/2-4/P6	Demolition of the existing building and redevelopment of the site to provide a part 9, part 8 and part 7 stories mixed-use building comprising of 50 residential units (C3) and 1,266 sqm (GIA) office space (B1), car and bicycle parking, hard and soft landscaping, servicing and refuse facilities and associated works	In progress received 5/12/17	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5121	exceeds 30m

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
104	London Borough of Hounslow	Land at Clockhouse Lane, Feltham, TW148QH	P/2017/5237/00287/K/P3	The phased development of a 426 guestroom hotel, consisting of conferencing and meeting facilities, restaurant and bar, health club and swimming pool, extensive landscaping, parking and associated development. The scheme will be phased to allow highways access and pedestrian improvements to come forward at an early stage in the development programme	In progress received 13/12/17	http://planning2.hounslow.gov.uk/NPSPublicDocs/00575529.pdf	>1ha of urban development which is non-residential development (4.8HA)
106	London Borough of Hounslow	Bolder Academy 1 MacFarlane Lane, Isleworth, TW75PN	P/2017/1417	Demolition of club house and associated car park and MUGA, construction of a new part 2 - part 4 storey secondary school (Use Class D1) with ancillary car parking, cycle parking, Multi-Use Games Area, hard and soft landscaping and associated works, together with improvements to MacFarlane Lane	Approved subject to referral to SoS and Mayor of London and S106 Agreement 03/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1417	
107	London Borough of Hounslow	Edison Primary School, Heston House, 201-209 Vicarage Farm Road, Hounslow, TW50AH	P/2016/5366	Erection of a new three storey building with a flat roof to provide a school hall, classrooms and associated facilities and external play areas, landscaping, parking, access and circulation areas following demolition of existing buildings	Approved 14/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5366	
108	London Borough of Hounslow	Rectory Lane, Cranford Lane, Heston West, Heston	P/2016/5112	The extraction of minerals and all necessary enabling works; hard and soft landscaping to create a new park; subterranean development to provide up to 177,500 (GIA) sqm of warehouse and storage floorspace (Class B8) and associated servicing and parking; alterations to existing vehicular access and creation of new vehicular accesses onto new public highway, including the creation of new pedestrian routes and the refurbishment and extension of the existing Rectory Farm buildings to provide associated park management accommodation, parking and facilities. Outline planning application with appearance, landscaping and layout all part reserved	Approved 06/07/2017 subject to S106 Agreement	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5112	177,500 GIA sqm B8 floorspace
109	London Borough of Hounslow	Conquest Club Syon Lane, Isleworth, TW7 5PN	01255/D/P2	Relocation of Grasshoppers Rugby Club to new facilities at Conquest Club comprising clubhouse, storage, grounds man's apartment, garage/workshop, 3 floodlit rugby pitches, 3 floodlit netball courts, 150 car parking spaces (including 9 disabled spaces and 2 electric charging spaces), 16 covered cycle spaces, fencing and ball netting.	Approved 3/11/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3376	Development on Metropolitan Open Land
110	London Borough of Hounslow	5-27 Bath Road, Hounslow	P/2015/5418	Erection of New Civic Centre incorporating office accommodation and associated civic facilities, public library and registrar, associated car parking facilities, access and public realm and footway improvements	Approved 8/4/16	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5418	Seven storey building providing a total of 15,828 sq.m (GIA) floorspace

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
Spelthorne Borough Council							
111	Spelthorne Borough Council	BP International Plc, BP Research Centre, Chertsey Road, Ashford, TW16 7LN	13/00413/FUL	Removal of 211 temporary car parking spaces and 22 permanent car parking spaces for the duration of the construction period and erection of a 4 storey workplace building for class B1 (Business Use) and non-class B1 ancillary floorspace, together with the formation of car parking on two levels to provide parking spaces (including the 22 parking spaces lost during construction), associated engineering works (including the temporary alteration of the existing vehicular access off Cadbury Road for the duration of the construction process and subsequent reinstatement) and landscaping.	Approved 10/6/13	http://democracy.spelthorne.gov.uk/Data/Planning%20Committee/20130605/Agenda/Planning%20Committee%20agenda%20-%202013June%202013.pdf	>1ha of urban development which is non-residential development (13.4HA)
112	Spelthorne Borough Council	Homers Farm, London Road, Stanwel. TW148RU	13/00141/SCC	Proposed extraction of sand and gravel from land at Homers Farm together with associated wheelwash, site office, cabin for generator and car parking, the provision of a new access from Short Lane, restoration involving the importation of inert restoration materials to agriculture, on a site of 10.5 hectares.	Approved 02/09/2013	http://democracy.spelthorne.gov.uk/Data/Planning%20Committee/20130828/Agenda/Planning%20Committee%20agenda%20-%202013August%202013.pdf	Extraction over 1000sqm (752,000metric tonnes of sand and gravel for mineral extraction) over 10.5 HA. Development in green belt
113	Spelthorne Borough Council	Charlton Lane Waste Management Facility Shepperton Surrey TW178QA	13/01553/SCC	Surrey County Council Application for changes to the planning conditions attached to the Charlton Lane Eco Park planning permission (ref: SP10/00947 dated 15 March 2012) in order to incorporate 'minor material' amendments to the approved scheme comprising a revised gasification technology, 3 new sub-stations, other minor material amendments to the layout, buildings, structures and ancillary elements of the scheme, and a minor reduction in the tonnage of waste material that would be managed at the site.	Approved 25/9/2015	https://planning.surreycc.gov.uk/plannappdisp.aspx?AppNo=SCC%20Ref%202013/0178	>1ha of urban development which is non-residential development (4.5HA) . Development in Green Belt
114	Spelthorne Borough Council	Units A1 And A2, The Sunbury Centre, Hanworth Road, Sunbury On Thames, TW16 5DA	13/01029/FUL	Demolition of existing buildings on site and the erection of a warehouse club (13,006sqm), including tyre installation, sales and associated facilities with access and associated parking and landscaping.	Approved 21/7/14	http://democracy.spelthorne.gov.uk/Data/Planning%20Committee/20140312/Agenda/Planning%20Committee%20agenda%20-%202014March%202014.pdf	>1ha of urban development which is non-residential development (4.29HA) . Development in Green Belt

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
115	Spelthorne Borough Council	Stanwell Recycling, Stanwell Quarry, Stanwell Moor Road, Stanwell, Surrey, TW196AB	SP14/00114/SCC	The continuation of landfilling and phased restoration of the whole site without compliance with planning permission ref: SP10/0594 dated 26 October 2011 to allow the replacement of the restoration filling phasing plan.	Approved 18/3/14	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parse&template=DCApplication.templt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00114/SCC%27&history=c90775876cf84e91b1d05d5b6d4b6652	>1ha of urban development which is non-residential development (5.3HA)
116	Spelthorne Borough Council	Stanwell Recycling, Stanwell Quarry, Stanwell Moor Road, Stanwell, Surrey, TW196AB	SP17/00113/SCC	Retention of an existing recycling operation on a site of some 5.3ha for the processing of construction and demolition waste for the production of restoration materials for use in the former Stanwell Quarry and recycled aggregates for export for a period of 10 years with restoration of the recycling site to agriculture.	Approved 21/7/17	https://planning.surreycc.gov.uk/planningdisp.aspx?Appno=SCC%20Ref%202016/0207	>1ha of urban development which is non-residential development (5.3HA)
117	Spelthorne Borough Council	Stanwell Recycling, Stanwell Quarry, Stanwell Moor Road, Stanwell, Surrey, TW196AB	SP17/00118/SCC	Non-compliance with Conditions 1 and 2 of planning permission ref: SP10/0594 dated 26 October 2011 in order to extend the time taken for restoration until 26 October 2027 and to change the restoration and phasing plans previously approved.	Approved awaiting legal agreement	https://planning.surreycc.gov.uk/planningdisp.aspx?Appno=SCC%20Ref%202016/0206	>1ha of urban development which is non-residential development (5.3HA). Development within green belt
118	Spelthorne Borough Council	London Irish Rugby Football Club, The Avenue, Sunbury on Thames	14/00275/FUL	Demolition of stand and clubhouse and erection of 194 residential units with associated parking, provision of new open space and construction of estate roads with access to be via the two accesses from The Avenue to also incorporate an alternative access for the existing Virgin Active Leisure Centre via the northern access.	Approved 26/8/14	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.templt&requestType=parse&template&history=b1fa565f21f3449a91669befbea514b2&usesearch=true&order=DATEAPRECV%3DESCENDING&basepage=planningpublisher.aspx&q%3ALIKE=14%2F00275%2FFUL	194 residential homes

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
119	Spelthorne Borough Council	Bishop Wand Church of England School / Spelthorne Gymnastics Club	14/02159/FUL	Erection of gymnasium building with associated lighting provision, landscaping, access road and the provision of 62 car parking spaces, 20 bicycle spaces and refuse storage facilities.	Approved 6/3/15	http://democracy.spelthorne.gov.uk/Data/Planning%20Committee/20150211/Agenda/Planning%20Committee%20agenda%20-%2011%20February%202015.pdf	Development in green belt
120	Spelthorne Borough Council	Thomas Knyvett College, Stanwell Road, Ashford	15/00140/FUL	Provision of educational facilities for Brooklands College and joint use sports facilities for Brooklands College and Thomas Knyvett College including the erection of a 2 storey building and relocation and upgrading of existing MUGA together with associated access, parking and landscaping works	Approved 7/5/15	http://democracy.spelthorne.gov.uk/Data/Planning%20Committee/20150408/Agenda/Planning%20Committee%20agenda%20-%2008%20April%202015.pdf	Development in green belt
121	Spelthorne Borough Council	Shepperton Studios, Studios Road, Shepperton TW170QD	15/00342/FUL	Continued use of land adjacent to Shepperton Studios for temporary car parking with a capacity for 450 car parking spaces, 20 motorcycle spaces, including continued access from Studios Road, new surfacing and drainage provision, bollard lighting and a security hut.	Approved 3/7/15	http://democracy.spelthorne.gov.uk/documents/s950/Item%20-%20-%20Shepperton%20Studios.pdf	Development in green belt
122	Spelthorne Borough Council	Queen Mary Reservoir and Land West of Queen Mary Reservoir (Queen Mary Quarry) Ashford Road Laleham TW181QF	SP13/01236/SCC	Removal of part of the breakwater baffle at Queen Mary Reservoir, the dredging of the underlying sand and gravel, landing of mineral and processing involving the retention of the existing access, haul route and processing plant located on land west of the reservoir without compliance with Conditions 4 and 24 of planning permission ref: SP07/1269 dated 16 January 2009 to extend the time period for completion of extraction by three years and retention and use of the existing access, haul route and processing plant until 31 December 2016.	Approved 6/1/15	https://planning.surreycc.gov.uk/plannappdisp.aspx?Appno=SCC%20Ref%202013/0066	Development in the Green Belt
123	Spelthorne Borough Council	Queen Mary Reservoir and Land West of Queen Mary Reservoir (Queen Mary Quarry) Ashford Road Laleham TW181QF	13/01238/SCC	Continuation of the use of land for the importation of construction and demolition waste and siting of recycling facility, involving placement of mobile plant to enable the recovery of alternative aggregates for sale and the production of materials for restoration on land west of Queen Mary Reservoir without compliance with Condition 2 and Condition 22 of planning permission ref: SP07/1273 dated 16 January 2009 to extend the time period for siting of the facility on land west of Queen Mary Reservoir until 31 December 2016 and thereafter to be sited until 31 December 2033 within the existing plant site, details of which are to be provided prior to relocation.	Approved 6/1/15	https://planning.surreycc.gov.uk/plannappdisp.aspx?Appno=SCC%20Ref%202013/0072	Development in the Green Belt

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
124	Spelthorne Borough Council	Queen Mary Reservoir and Land West of Queen Mary Reservoir (Queen Mary Quarry) Ashford Road Laleham TW181QF	13/01239/SCC	Continued importation of 'as raised' sand and gravel on to land west of Queen Mary Reservoir and processing without compliance with Conditions 2 and 22 of planning permission ref: SP07/0275 to enable use of the existing processing plant until 31 December 2016 and siting and utilising of a mobile plant until 31 December 2033 within the existing plant site, details of which are to be provided prior to relocation.	Approved 6/1/15	https://planning.surreycc.gov.uk/plannappdisp.aspx?Appno=SCC%20Ref%202013/0073	Development in the Green Belt
125	Spelthorne Borough Council	17-51 London Road, Staines TW184AE	16/01158/FUL	Redevelopment of the site to provide 5 buildings of varying height comprising 12,787 square metres of office floor space (Use Class B1a) and 253 residential units (Class C3), provision of a new landscaped area, vehicular access, car parking, cycle storage and energy centre.	Approved 18/10/2017	http://democracy.spelthorne.gov.uk/documents/s9366/ITEM%20A.pdf	253 residential units
126	Spelthorne Borough Council	Land at Hengrove Fram, 324 London Road, Staines Upon Thames, TW184JQ	13/00956/SCC	Importation of 'as raised' sand and gravel from Homers Farm on to land at Hengrove Farm and processing involving continued use of the existing processing plant and associated mineral infrastructure until 30 September 2018	Approved 16/12/2014	https://planning.surreycc.gov.uk/plannappdisp.aspx?AppNo=SCC%20Ref%202013/0048	>1ha of urban development which is non-residential development (10HA)
127	Spelthorne Borough Council	Land at Hengrove Fram, 324 London Road, Staines Upon Thames, TW184JQ	13/00958/SCC	Continued extraction of sand and gravel, refilling with inert waste and progressive restoration to agriculture without compliance with condition 4 of planning permission ref SP12/01416 dated December 2013 to allow extraction of mineral to cease by 30 September 2019 and restoration completed by 31 December 2020	Approved 16/12/2014	https://planning.surreycc.gov.uk/plannappdisp.aspx?AppNo=SCC%20Ref%202013/0045	>1ha of urban development which is non-residential development (10HA)
South Bucks Borough Council							
128	South Bucks Borough Council	Land To The West Of Wexham Street Stoke Poges Buckinghamshire	16/01510/FUL	Erection of an Emergency Department and Medical and Surgical Assessment Unit, installation of Combined Heat and Power Plant at the existing Energy Centre and associated service infrastructure, provision for 198 permanent visitor and 200 temporary staff car parking spaces, together with associated access, roads, hard landscaping and infrastructure works.	Approved 27/2/17	https://publicaccess.southbucks.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=OBS SUIOH0GZ00	>1ha of urban development which is non-residential development (3.4HA)

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
129	South Bucks Borough Council	Pinewoods Studios Pinewood Road, Iver Heath Buckinghamshire, SL00NH	13/00175/OUT	Reconfiguration and expansion of facilities for screen based media, including film, television and video games, and associated services and industries, comprising: demolition of outdated accommodation; erection of new stages, workshops, office accommodation, demountable modular buildings, entrance structures and reception and security offices, gas CHP energy centre, underground waste water treatment plant, recycling facilities, backlots and film streetscapes, external film production; creation of new vehicular and pedestrian access from Pinewood Road, emergency access from Sevenhills Road, access roads within the site, surface and multi-level car parking; and associated landscaping and ecological habitat creation works	Appeal allowed 19/6/14	https://publicaccess.southbucks.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=MHP6EEOH00Q00	208,000 SQM
130	South Bucks Borough Council	Pinewoods Studios Pinewood Road, Iver Heath Buckinghamshire, SL00NH	14/01992/REM	Application for approval of first reserved matters comprising details required by conditions 2, 11, 12 and 14 of outline planning permission 13/00175/OUT, including details of sound stages, offices, workshops and associated infrastructure, landscaping and other works.	Approved 24/12/2014	https://publicaccess.southbucks.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=NDJIV4OH09R00	208,000 SQM
131	South Bucks Borough Council	Pinewoods Studios Pinewood Road, Iver Heath Buckinghamshire, SL00NH	17/00744/REM	Approval of Reserved Matters for Phase Two comprising details of sound stages, offices, workshops, ancillary building and associated infrastructure, landscaping and other works (following Outline Application 13/00175/OUT)	Approved 07/09/2017	https://publicaccess.southbucks.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=OOR7VGOHFGT00	208,000 SQM
Royal Borough of Windsor and Maidenhead							
132	Royal Borough of Windsor and Maidenhead	Windsor Business Quarter 67 Alma Road Windsor	18/00095/FUL	Demolition of the existing basement and concrete plinth above and erection of a building of between 1 and 7 storeys containing 217 residential apartments (Use Class C3), including a cafe (Use Class A3) measuring 146 sqm (GIA), car and cycle parking, plant enclosures, access improvements, service bay, drop off spaces, substation, and associated landscaping and open space; and a five storey building to provide 16,389sqm (GIA) of office floorspace (Use Class B1), together with ground level and basement car and cycle parking, service bay and associated landscaping	In progress received 12/1/18	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=P2FISQNIMQG00	217 units, 16,389sqm office floorspace

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
133	Royal Borough of Windsor and Maidenhead	Land Rear of Datchet Pumping Station Horton Road, Datchet Slough	17/03938/FULL	Erection of equipment and maintenance store, together with car parking associated with proposed sport and recreation facilities	In progress received 19/12/17	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=P17LK3NI0NY00	>1ha of urban development which is non-residential development (14HA)
134	Royal Borough of Windsor and Maidenhead	Land At Riding Court Farm Riding Court Road Datchet Slough	13/01667/FULL	Extraction of sand and gravel at Riding Court Farm, erection of mineral processing and ready-mixed concrete plants and associated infrastructure, creation of new access onto Riding Court Road and restoration of the site by the importation of inert restoration material for a period of 12 years	Approved 21/8/15	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=MOC81TNI0IP00	Minerals: processed materials from the site 350,000 tonnes per annum
135	Royal Borough of Windsor and Maidenhead	Land At Riding Court Farm Riding Court Road Datchet Slough	15/02886/VAR	Extraction of sand and gravel at Riding Court Farm, erection of mineral processing and ready-mixed concrete plants and associated infrastructure, creation of new access onto Riding Court Road and restoration of the site by the importation of inert restoration material for a period of 12 years as approved under planning permission 13/01667 without complying with condition 18 (export import tonnage) to re-word the condition	Approved 8/2/16	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=NUO7V5NI0NY00	Application seeks to vary the quantity of processed materials from the site as provided for by condition 18 of that permission, to increase the allowable export tonnage from 350,000 to 400,000 tonnes per annum
136	Royal Borough of Windsor and Maidenhead	Land East of Horton Road Horton Slough	17/03850/VAR	Variation of condition 40 (under Section 73) to allow for continued extraction, infilling and restoration of site for the extraction of sand and gravel and restoration to agricultural land using imported inert fill, creation of a site access road onto Horton Road, erection of a gravel processing plant, site offices and facilities, and formation of settlement ponds approved under (07/00590)	Validated 12/12/2017	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=P0UNO2NIKKC00	200,000 tonnes PA sand and gravel extraction
137	Royal Borough of Windsor and Maidenhead	Kingsmead Quarry Datchet Road Horton Slough SL3 9PS	13/01558/VAR	Variation of condition 17 of permission 06/00505 (for the installation of sand and gravel processing plant, 2 No ready mixed concrete plants, office/messroom and building and ancillary structures) so that only material won from the Kingsmead Quarry site shall proceed through the plant, with the exception of fine sands for blending with sands extracted and recycled product mixed to create ballast, unless otherwise first approved in writing with the Local Planning Authority.	Approved 10/4/14	http://publicaccess.rbwm.gov.uk/online-applications/files/A722651F53A6E1F1757D6AAAB77FD477/pdf/13_01558_VAR--1129073.pdf	importation of up to 25,000 tonnes of materials per year for blending, ballast and concrete mixes would enable Cemex to produce sand and gravel at a rate of up to 350,000 tonnes a year.

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
138	Royal Borough of Windsor and Maidenhead	Kingsmead Quarry Datchet Road Horton Slough SL3 9PS	13/01275/VAR	Variation of conditions 15 (Disposal of mineral waste [silt] from the processing plant only within the area shown on the approved plan P1/208/13/1), conditions 24 and 26 (delineating the margins of the extraction area and the phases of development) in accordance with a revised plan ref. P1/208/28, removal of conditions 34 and 35 (on the dewatering of the site) and the variation of condition 42 and 44 (dates for commencement of filling and for the submission of a scheme for the progress, filling and restoration of the site) all of approval 471893 and approved under 06/00685/VAR. Without complying with condition 6 (backfilling and restoration) to amend the commencement date	Approved 9/4/16	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=MMJCQDNIOKE00	importation of up to 25,000 tonnes of materials per year for blending, ballast and concrete mixes would enable Cemex to produce sand and gravel at a rate of up to 350,000 tonnes a year.
139	Royal Borough of Windsor and Maidenhead	Kingsmead Quarry Datchet Road Horton Slough SL3 9PS	13/01276/VAR	Variation of Condition 18 and 19 of approval 471894 to allow the progress, infilling and restoration of the site in accordance with a revised scheme and to replace the approved drawings P1/208/14/1 as approved under 06/00684/VAR without complying with condition 1 (restoration scheme) of that permission so that the restoration scheme is amended	Approved 8/4/16	http://publicaccess.rbwm.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=MMJDKONIOKE00	importation of up to 25,000 tonnes of materials per year for blending, ballast and concrete mixes would enable Cemex to produce sand and gravel at a rate of up to 350,000 tonnes a year.
London Borough of Ealing							
140	London Borough of Ealing	25 -27 Merrick Road, Southall, UB2 4AU	173955VAR	Application for Minor Material Amendment (S.73) to vary condition 2 (Approved Drawings) of planning permission ref: 164015FUL dated 20.04.2017 for Redevelopment of the site to provide a 5-22 storey perimeter building to accommodate commercial floorspace at ground floor (mixture of Land Use Classes D2, A1,A3 and B1) and 302 residential units, amenity space at 1st, 5th and 9th floors, car and cycle parking, refuse storage, vehicular access to the east of the site, landscaping and lighting. Variation seeks to propose minor external alterations and amend internal layout and on approved plans involving an increase to the building height, including an additional tower to the main building; infill extensions; the addition of 199sqm of commercial floorspace and eleven residential units	Pending Consideration (validated 04/08/2017)	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=OU5FM9JMI6Y00	22 storey building
141	London Borough of Ealing	25 -27 Merrick Road, Southall, UB2 4AU	164015FUL	Redevelopment of the site to provide a 5-22 storey perimeter building to accommodate commercial floorspace at ground floor (mixture of Land Use Classes D2, A1,A3 and B1) and 302 residential units, amenity space at 1st, 5th and 9th floors, car and cycle parking, refuse storage, vehicular access to the east of the site, landscaping and lighting.	Approved 20 th April 2017	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=OBFTMMJML9J00&activeTab=summary	22 storey building

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
142	London Borough of Ealing	25 -27 Merrick Road, Southall, UB2 4AU	165015FUL / P/2015/2404	Redevelopment of the site to provide a 5-18 storey perimeter building to accommodate 826sqm of commercial floorspace at ground floor (mixture of Land Use Classes D2, A1,A3 and B1) and 225 residential units (5 x studio, 66 x 1 bed, 121 x 2 bed, 33 x 3 bed), amenity space at 5th 6th 7th and 8th floors, car and cycle parking, refuse storage, vehicular access to the east of the site, landscaping and lighting.	no further action required. April 2017	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=ZZZW6SJMTA999	225 residential units
143	London Borough of Ealing	Former Honda Garage, 1 – 23 Merrick Road 1-23 Merrick Road, Southall, UB2 4AG	164160FUL	Redevelopment of the site to provide a 5-11 storey perimeter building to accommodate 174 residential units, amenity space at 1st , 5th, 7th and 8th level, car and cycle parking, refuse storage, vehicular access from Bridge Road and landscaping.	Approved 17th August 2017 Various Approval of Details Applications currently pending	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=OBU67HJMLM600&activeTab=summary	174 residential units

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
144	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	170819VA Also see 54814/APP/2017/604 (Hillingdon) – S73 to vary Condition 2 (enabling widening of western access roadway).	Section 73 application for minor amendment to vary condition 3 (approved drawings) to amend the outline scheme drawings and removal of condition 41 (details of soakaways) of outline planning permission reference PP/2015/4682 dated 18.02.16 for demolition of 22 houses; the remediation of the land and the redevelopment of the site to deliver a large mixed use development including residential, non-food retail, food retail, restaurants, bars and cafes, hotel, conference and banqueting, cinema, health care facilities, education facilities, office/studio units, car park, sports pavilion, an energy centre, multi-storey car park and associated car and cycle parking, landscaping, public realm, open space and children's play space. Full application: new access roads from the Hayes-By-Pass and Southall town centre to the application site for vehicle, cycle and pedestrian access, including drainage and a flood relief pond. Widening of South Road across the railway line, for the creation of a bus lane and three new accesses onto Beaconsfield Road. Two bridges over the Grand Union Canal and Yeading Brook to provide pedestrian and cycle access to Minet Country Park and Springfield Road. The quantum of development remains the same as the original scheme with the exception that the proposed development includes revised positioning of the hotel, supermarket and banqueting hall; the removal of the multi-storey car park to be replaced by basement car parking spaces; the removal of the east/west bus and taxi route through the Civic Square to be replaced by a dedicated pedestrian route and use for emergency vehicular access; proposed changes to the horizontal and vertical (height differences ranging between minus 4.5m and plus 17.5m) parameters and the locations of ground and upper floor uses; with an amendment to the spatial arrangement of the public and private realm with no change in the public-private realm split	Approved 7/9/17	http://planning.hillingdon.gov.uk/OnlineWeb/viewDocument?file=dv_pl_files%5C54814_APP_2017_604%5Corepcome-54814_APP_2017_604-OPS%24KFELLOWS-20170919-141341.pdf&module=pl https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=OLPT2AJML4O00&activeTab=summary	10,000 dwellings

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
145	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	PP/2015/4682	<p>Section 73 application for minor amendment to vary condition 3 to amend the outline scheme drawings pertaining to the 2010 masterplan in respect of outline approval for demolition of 22 houses; the remediation of the land and the redevelopment of the site to deliver a large mixed use development including residential, non-food retail, food retail, restaurants, bars and cafes, hotel, conference and banqueting, cinema, health care facilities, education facilities, office/studio units, car park, sports pavilion, an energy centre, multi-storey car park and associated car and cycle parking, landscaping, public realm, open space and children's play space. Full application: new access roads from the Hayes-By-Pass and Southall town centre to the application site for vehicle, cycle and pedestrian access, including drainage and a flood relief pond. Widening of South Road across the railway line, for the creation of a bus lane and three new accesses onto Beaconsfield road. Two bridges over the Grand Union Canal and Yeading Brook to provide pedestrian and cycle access to the Minet Country park and Springfield Road application reference P/2008/3981-S dated 29 September 2010. The quantum of development remains the same as the original scheme with the exception that the proposed development now includes a police facility and public toilets. In summary the proposed amendments to the scheme are: (1) re-distribution of public realm; (2) re-configuration of the internal street network; (3) re-positioning of the Civic Square; (4) re-locating the primary school; (5) improvements to the canal side; (6) re-configuration of buildings around the retained land; (7) alignment of western entrance on the gasworks site; (8) provision of a commercial access.</p>	Approved 28/8/15	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW6IJMTA253&activeTab=summary	10,000 dwellings

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
146	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	170819VAR	<p>Section 73 application for minor amendment to vary condition 3 (approved drawings) to amend the outline scheme drawings and removal of condition 41 (details of soakaways) of outline planning permission reference PP/2015/4682 dated 18.02.16 for demolition of 22 houses; the remediation of the land and the redevelopment of the site to deliver a large mixed use development including residential, non-food retail, food retail, restaurants, bars and cafes, hotel, conference and banqueting, cinema, health care facilities, education facilities, office/studio units, car park, sports pavilion, an energy centre, multi-storey car park and associated car and cycle parking, landscaping, public realm, open space and children's play space. Full application: new access roads from the Hayes-By-Pass and Southall town centre to the application site for vehicle, cycle and pedestrian access, including drainage and a flood relief pond. Widening of South Road across the railway line, for the creation of a bus lane and three new accesses onto Beaconsfield Road. Two bridges over the Grand Union Canal and Yeading Brook to provide pedestrian and cycle access to Minet Country Park and Springfield Road. The quantum of development remains the same as the original scheme with the exception that the proposed development includes revised positioning of the hotel, supermarket and banqueting hall; the removal of the multi-storey car park to be replaced by basement car parking spaces; the removal of the east/west bus and taxi route through the Civic Square to be replaced by a dedicated pedestrian route and use for emergency vehicular access; proposed changes to the horizontal and vertical (height differences ranging between minus 4.5m and plus 17.5m) parameters and the locations of ground and upper floor uses; with an amendment to the spatial arrangement of the public and private realm with no change in the public-private realm split</p>	Approved 7/9/17	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=OLPT2AJML4000&activeTab=summary	

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
147	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	PP/2016/0190	Application to vary condition 17 (preliminary works and remediation) of Outline Planning Application PP/2008/3981 dated 29/10/2010 for demolition of the following properties: 16-32 (all) The Crescent; 137-143 (odd) and 249 Beaconsfield Road; 1-11 (odd) Randolph Road, Remediation of the land and redevelopment of the site to provide a mixed use development of up to the following maximum floorspace: (GLA Decision Notice is in the 'Attachments' folder) + 4,700sqm of leisure forming a cinema + 320,000sqm of residential + 14,200sqm for non-food retail + 5,850sqm of food retail + 1,750sqm of Class A3-A5 uses + 9,650sqm of hotel + 3,000 sqm of conference and banqueting +24,450sqm of multi-storey car park + 2,550sqm of health care facilities + 3,450sqm of education facilities + 3,500sqm of office/studio units + 390sqm of sports pavilion + 600sqm of energy centre + associated car and cycle parking, landscaping, public realm, open space and children's playspace Full details are submitted for approval (layout, scale, appearance and landscaping) for the following accesses: + Pump Lane Link Road - New access road from the A312 Hayes Bypass to the site for vehicle, cycle and pedestrian access, including drainage and a flood attenuation pond - Eastern Access - New access road from South Road to the site for vehicle, cycle and pedestrian access, replacing part of The Crescent + Minet Country Park Footbridge - Central pedestrian and cycle access from the site to the Minet Country Park, bridging over the Grand Union Canal and Yeading Brook + Springfield Road Footbridge - Northern pedestrian and cycle access from the site to Minet County Park and Springfield Road, bridging over the Grand Union Canal and Yeading Brook + Widening of South Road over the railway line for the creation of a bus lane +Three vehicle, cycle and pedestrian accesses onto Beaconsfield Road.	Approved 9/5/16	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW83JMTA282&activeTab=summary	
148	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	160115REM	Application for the approval of Reserved Matters pursuant to planning permission P/2015/4682 dated 18/02/2016, condition 2 pertaining to the first phase of development ("Phase A")	Approved 4/8/16		

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
149	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	171562VAR	Section 73 application for minor amendment to vary condition 3 (approved drawings) to amend the outline scheme drawings and removal of condition 41 (details of soakaways) of outline planning permission reference 170819VAR dated 07.09.17 for demolition of 22 houses; the remediation of the land and the redevelopment of the site to deliver a large mixed use development including residential, non-food retail, food retail, restaurants, bars and cafes, hotel, conference and banqueting, cinema, health care facilities, education facilities, office/studio units, car park, sports pavilion, an energy centre and associated car and cycle parking, landscaping, public realm, open space and children's play space. Full application: new access roads from the Hayes-By-Pass and Southall town centre to the application site for vehicle, cycle and pedestrian access, including drainage and a flood relief pond. Widening of South Road across the railway line, for the creation of a bus lane and three new accesses onto Beaconsfield Road. Two bridges over the Grand Union Canal and Yeading Brook to provide pedestrian and cycle access to Minet Country Park and Springfield Road. The quantum of development remains the same as the original scheme with the exception that the proposed development includes revised positioning of the hotel, supermarket and banqueting hall; the removal of the multi-storey car park to be replaced by basement car parking spaces; the removal of the east/west bus and taxi route through the Civic Square to be replaced by a dedicated pedestrian route and use for emergency vehicular access; proposed changes to the horizontal and vertical (height differences ranging between minus 10.5m and plus 21.0m) parameters and the locations of ground and upper floor uses; with an amendment to the spatial arrangement of the public and private realm with no change in the public-private realm split	Approved 16/10/2017	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=ONKEASJMM6T00	See above.
150	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	163844FUL	Temporary continued use of the site for storage, preparation and parking of motor vehicles including the retention of existing ancillary structures until 31 July 2019	Approved 26/10/16	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=OB108LJM04000	See above.
151	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	P/2013/3011	Temporary continued use of the site for storage, preparation and parking of motor vehicles including retention of existing ancillary structures until 31 July 2016	Approved 1/10/13	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW7OJMTA648&activeTab=summary	See above.

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
152	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	PP/2013/4243	Certificate of lawful proposed development for the demolition of all existing buildings and structures within the red line application boundary of planning permission ref: P/2008/3981-S as is necessary to implement the development approved by the same planning permission.	Permitted development 20/11/13	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW7PJMTA162&activeTab=summary	See above.
153	London Borough of Ealing	Southall Gas Works site The Straight, Southall, UB1 1QX	PP/2015/4682	Section 73 application for minor amendment to vary condition 3 to amend the outline scheme drawings pertaining to the 2010 masterplan in respect of outline approval for demolition of 22 houses; the remediation of the land and the redevelopment of the site to deliver a large mixed use development including residential, non-food retail, food retail, restaurants, bars and cafes, hotel, conference and banqueting, cinema, health care facilities, education facilities, office/studio units, car park, sports pavilion, an energy centre, multi-storey car park and associated car and cycle parking, landscaping, public realm, open space and children's play space. Full application: new access roads from the Hayes-By-Pass and Southall town centre to the application site for vehicle, cycle and pedestrian access, including drainage and a flood relief pond. Widening of South Road across the railway line, for the creation of a bus lane and three new accesses onto Beaconsfield road. Two bridges over the Grand Union Canal and Yeading Brook to provide pedestrian and cycle access to the Minet Country park and Springfield Road application reference P/2008/3981-S dated 29 September 2010. The quantum of development remains the same as the original scheme with the exception that the proposed development now includes a police facility and public toilets. In summary the proposed amendments to the scheme are: (1) re-distribution of public realm; (2) re-configuration of the internal street network; (3) re-positioning of the Civic Square; (4) re-locating the primary school; (5) improvements to the canal side; (6) re-configuration of buildings around the retained land; (7) alignment of western entrance on the gasworks site; (8) provision of a commercial access.	Approved 28/8/15	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW6IJMTA253&activeTab=summary	See above.
154	London Borough of Ealing	Kings House The Green, Southall, UB2 4QH	164285FUL	The demolition of the existing Kings House building and the erection of a 22 storey building comprising a mixed use development for the creation of 97 residential units (Class C3), and ground floor commercial floorspace (Classes A1/A2/A3/B1/D1) and retail floorspace (Classes A1/A3), together with parking and landscaping	Pending consideration (Validated 19 th August 2016)	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=OC5WIGJMLSL00	20 storeys

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
155	London Borough of Ealing	The Rectory Tentelow Lane, Southall, UB2 4LE	PP/2015/2659	Construction of 2 storey primary school with access from Tentelow Lane with associated bin storage, landscaping and boundary treatment works (following demolition of 2 storey dwelling house and single storey garage)	Approved 12/2/16	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW80JMTA032&activeTab=summary	Development in Metropolitan Open Land
156	London Borough of Ealing	Former Esso Petrol Filling Station Site, Merrick Road, Southall, Ealing, UB2 4AU	177742FUL	Residential-led, mixed use redevelopment to provide a 16-19 storey building comprising 166 residential units (one, two and three bedroom) and including (affordable housing) ; 117sqm of commercial floorspace (Use Class B1a); vehicular, cycle and pedestrian access; vehicular and cycle parking; refuse areas; landscaping, play and amenity space	Pending consideration (validated 16th October 2017)	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=OXSWUWJMG8F00&activeTab=summary	166 residential units, 16-19 storey building
157	London Borough of Ealing	The Havelock Estate	PP/2013/3241	Outline planning application detailing Access, Layout and Scale (and reserving Landscaping and Appearance for later determination) for the phased demolition of 692 existing residential units, seven commercial units with 490sqm floor space in a A1 (retail) and D1 (non-residential institutions) use classes and other associated structures; the retention of 154 existing residential units and the phased construction of a maximum of 922 new residential units with 3,546 habitable rooms in a mixture of apartment buildings varying between four and eight storeys high and two, three and four storey houses; 840sq.m floor space in commercial use (A1/A3 Use Classes); 280sq.m floorspace in D1 (non-residential institutions) use class; refuse and recycling facilities; bicycle storage facilities; approximately 880 car parking spaces; landscaping including new public open spaces and children's play areas, associated public realm and highways works.	Approved 24th April 2015	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW71JMTA809&activeTab=summary	up to 922 residential units
158	London Borough of Ealing	The Havelock Estate	PP/2013/3242	Demolition of 156 existing residential units and other associated structures; the retention of 30 existing residential units and the construction of 287 new residential units in six apartment buildings between four and eight storeys high and two and three storey houses comprising 46 one-bedroom, 71 two-bedroom and 10 three-bedroom flats and 39 two-bedroom, 89 three-bedroom, 27 four-bedroom and five five-bedroom houses; 70sq.m floor space in retail use (A1 Use Class) and 280sq.m floor space in community use (D1 Use Class); refuse and recycling facilities; bicycle storage facilities; 235 car parking spaces; landscaping including new public open space and children's play space, associated public realm and highways works.	Approved 24th April 2015	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW71JMTA838&activeTab=summary	287 residential units, 4-8 storey building

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
159	London Borough of Ealing	Middlesex Business Centre Bridge Road, Southall, Middlesex, UB2 4AB	PP/2014/6440	Outline planning application seeking approval for access (all other matters reserved) for the redevelopment of the Middlesex Business Centre comprising the demolition of all but the Sunrise Radio Building and adjacent Maypole Margarine Works facade to provide buildings with a maximum of 22 storeys in height (including basement and ground floor) to accommodate 835 residential units (Use class C3), 6750 sqm of student accommodation (Use Class Sui-Generis), 2475 sqm of retail (Use Class A1, A2, A3 A4 and A5), 6250 sqm of commercial floor space (Use Class B1) and a 5,200 sqm Hotel (Use Class C1); together with associated car parking provision, accesses, footpaths, roads and landscaping areas	Draft decision notice 15th April 2016. Awaiting legal agreement	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=ZZZW6TJMTA011	835 residential units
160	London Borough of Ealing	The Arches Business Centre, Merrick Road, Southall, UB2 4AU	PP/2013/5696	Retention and alteration of facades of building and redevelopment of the site to provide a mixed use development with offices (Use Class B1 (a) at ground floor level (double height) with four eight storey extensions above containing 176 residential flats (64 one-bed, 96 two-bed, 14 three-bed and 2 four-bed), the provision 23 car parking spaces (including 18 disabled) at ground level within the building, 242 bicycle parking spaces, provision of a new vehicular access off Bridge Road, servicing layby in Bridge Road, amenity space at third floor and roof top level and landscaping, with associated plant and lighting.	Approved 21st October 2016	https://pam.ealing.gov.uk/online-applications/simpleSearchResults.do?action=firstPage	Four 8 storey residential blocks providing 176 residential units
161	London Borough of Ealing	40 Armstrong Way, Southall	177584FUL	Development of a bus depot comprising a 1,415m2 building for bus maintenance (with ancillary staff facilities and site administration), a bus washing and refuelling area, together with bus and car parking provision	Validated 10th October 2017	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=OXEPTWJMG1G00	Industrial estate development over 0.5ha
162	London Borough of Ealing	40 Armstrong Way, Southall	166241FUL	Construction of two industrial buildings with mezzanine floors to accommodate seven units (5,390sq.m) for flexible general industrial, light industrial and warehousing/distribution land uses (B1c, B2 and B8 Use Classes) with ancillary trade uses and associated vehicle parking and landscaping (following demolition of industrial buildings on site)	Approved 10th March 2017	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=OHKFA6JMJ6500&activeTab=summary	Industrial estate development over 0.5ha
163	London Borough of Ealing	40 Armstrong Way, Southall	P/2015/0137	Prior Notification of proposed demolition of outbuildings and extensions	Prior Approval required and given 9 th March 2015	https://pam.ealing.gov.uk/online-applications/simpleSearchResults.do?action=firstPage	Industrial estate development over 0.5ha

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
164	London Borough of Ealing	1A Bridge Road Industrial Estate Bridge Road Southall Middlesex UB2 4AB	P/2015/3959	Extension to the western flank of an industrial building (part two storey height, and part three storey height including a mezzanine floor and ancillary offices on the second floor) (following partial demolition); first-floor and roof extensions to an industrial building to accommodate the installation of a mezzanine floor, refurbishment of and fenestration alterations to the southern and western elevations (following partial demolition); and change of use from general industrial (B2 use class) to mixed-use general industrial, storage and distribution and ancillary offices (B2/B8 use classes) with associated vehicle and cycle parking provision, refuse storage and landscaping (2,201sqm total increase in floor space).	Approved 14th January 2016	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=ZZZW72JMTA862	Industrial estate development over 0.5ha
165	London Borough of Ealing	Great Western Industrial Park 3 Collett Way Southall Middlesex UB2 4SE Southall	PP/2015/1178	Construction of a 1,292 sqm extension (B8 Use Class) to western flank of warehouse building used for storage and distribution; associated vehicular access and parking; cycle parking and landscaping	Approved 6th August 2015	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=ZZZW72JMTA733	> .5 ha non-residential development (2.47 ha)
166	London Borough of Ealing	Plot 6 Great Western Industrial Park Dean Way Southall Middlesex UB2 4SB Southall	PP/2013/4138	Construction of an industrial building with part mezzanine (4613sqm) containing 3 units for flexible B1(c) B2 and B8 use, car and service vehicular parking, access and landscaping.	Approved 25th April 2014	https://pam.ealing.gov.uk/online-applications/applicationDetails.do?keyVal=ZZZW71JMTA845&activeTab=summary	Industrial estate development over 0.5ha
167	London Borough of Ealing	Lion House 56 Kingsbridge Crescent Southall UB1 2DL	p/2013/2628	Construction of a 4 storey building containing 16 flats (5 x 1 bed, & 11 x 2 bed), a 3 storey building containing 6 flats (4 x 2 bed & 2 x 3 bed) with an adjoining 3 storey terrace containing 4 x 3 bed houses, together with car parking, cycle parking, communal garden space, children's play area, landscaping and refuse and recycling storage (following demolition of the existing buildings)	Approved May 2014	https://pam.ealing.gov.uk/online-applications/simpleSearchResults.do?action=firstPage	Industrial estate development over 0.5ha
London Borough of Hillingdon							
169	London Borough of Hillingdon	Land at Cessna Road	62360/APP/2015/4277	Outline application for the erection of a 298 room hotel (Matters reserved: Landscaping) at Terminal 2 Heathrow Airport.	Approved 01/12/2016	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=62360/APP/2015/4277&module=pl	14,997 sq.m GIA, Height of building 66.1m

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
170	London Borough of Hillingdon	Land at Cessna Road	62360/APP/2017/3000	Section 73 application to amend condition 3 (approved plans) of planning permission ref. 62360/APP/2015/4277 dated 01-12-2016 for Outline application for the erection of a 298 room hotel (Matters reserved: Landscaping) at Terminal 2 Heathrow Airport. Changes include alterations to footprint, increase in height to include additional storey and roof top boardroom, increase in bedrooms provided from 298 to 360, relocation of elevated pedestrian link from first floor level to second floor level, revised external appearance, revised car parking, drop-off lay-by and internal re-arrangements.	Approved Jan 2018	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=62360/APP/2017/3000&from=planningSearch	GIA increased to 17,835 sq.m, Height increased to 67 sq.m GIA, Increase in bedrooms (62 additional bedrooms). Total of 362
171	London Borough of Hillingdon	1 Nestles Avenue 1 Nestles Avenue, Hayes, UB3 4UZ	1699/APP/2017/2201	Demolition of existing building and redevelopment of the site to provide three basement levels for Class B8 (self-storage) and car parking, ground floor podium and five buildings above arranged over six, seven and ten floors for 7081sq.m of Class B8 (self-storage), 1349sq.m of Class B1 (office), 115sq.m of Class A3 (cafe) and 164 Class C3 residential units; creation of a pedestrian walkway adjacent to the railway station; creation of a vehicular access and route from Nestles Avenue; provision of associated plant and landscaping	Pending consideration (validated 16/06/2017)	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1699/APP/2017/2201&from=planningSearch	164 residential units
172	London Borough of Hillingdon	Land at Sipson Farm Sipson Road, Sipson, West Drayton, UB7	45408/APP/2017/2075	Section 73 application for variation of Condition 2 of approved application ref. 45408/APP/2009/340 (as amended by Condition 1 of approved application ref. 45408/APP/2014/1678) in order to extend the deadline for completion of permitted operations (extraction of sand and gravel as an extension to existing quarry at Wall Garden Farm, backfilling with inert waste and restoration to agricultural land) from the 5th of August 2017 to the 30th of September 2019.	Approved 23rd August 2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=45408/APP/2017/2075&module=pl	Extension of permission until 30th September 2019 Permission allows six months of additional excavation on site which will then be followed by remedial works to prepare the site for restoration to agricultural use
173	London Borough of Hillingdon	Land at Sipson Farm Sipson Road, Sipson, West Drayton, UB7	45408/APP/2017/2075	Section 73 application for variation of Condition 2 of approved application ref. 45408/APP/2009/340 (as amended by Condition 1 of approved application ref. 45408/APP/2014/1678) in order to extend the deadline for completion of permitted operations (extraction of sand and gravel as an extension to existing quarry at Wall Garden Farm, backfilling with inert waste and restoration to agricultural land) from the 5th of August 2017 to the 30th of September 2019.	Approved 12/09/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=45408/APP/2017/2075&from=planningSearch	Application relates to the intention to extend the deadline for the completion of permitted operations from 5th August 2017 to 30th September 2019

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
174	London Borough of Hillingdon	Land at Sipson Farm Sipson Road, Sipson, West Drayton, UB7	45408/APP/2014/1678	Application to vary condition 2 of planning permission reference 45408/APP/2009/340 dated 21 May 2009 in order to extend the deadline for completion of permitted operations from 20 May 2014 to 5 August 2017.	Approved 31st July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=45408/APP/2014/1678&from=planningSearch	Additional time required to extract the remaining consented mineral reserves (approx. 300,000 tonnes and restore the site).
175	London Borough of Hillingdon	Former Nestle Factory The Former Nestle Factory, Nestles Avenue, Hayes, UB3 4RF	1331/APP/2017/1883	RECONSULTATION: Part demolition of existing factory buildings and associated structures, and redevelopment to provide 1,381 dwellings (Use Class C3). office, retail, community and leisure uses (Use Class A1/A3/A4/B1/B8/D1/D2), 22,663sq.m (GEA) of commercial floorspace (Use Classes B1c/B2/B8 and Data Centre (sui generis)), amenity and playspace, landscaping, allotments, access, service yards, associated car parking and other engineering works (amendments: provision of a basement under Block B increasing parking ration to 0.6; amendments to design and elevations of residential blocks and commercial units; provision of strip of land for Nestle Avenue multi modal link road widening scheme; landscape design changes; updates to the Transport Assessment and Flood Risk Assessment)	Approved subject to S106 13th Dec 2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=1331/APP/2017/1883&module=pl	1,381 residential apartments in buildings ranging from 3 to 10 storeys, 22,663 sq.m (GEA) B1(C), b2/B8 and sui generis floorspace, 2,986 sq.m (GEA) commercial/community floorspace
176	London Borough of Hillingdon	The Arena, Stockley Park Stockley Park, West Drayton, UB11 1AA	37977/APP/2017/1634 Also see RMA 37977/app/2017/3046	Section 73 application for variation of Conditions 5 (approved drawings), 6 (approved documents), 25 (insertion of mezzanine floors) and 27 (use as data centre) as attached to planning permission ref. 37977/APP/2015/1004 dated 14-12-2015: Hybrid Application for the phased comprehensive redevelopment of the site to provide an overall maximum gross floorspace of 45,000sqm of light industrial uses (Use Class B1c and/or Use Class B2) and/or storage and distribution uses (Use Class B8) and ancillary offices, together with servicing, parking, access roads and open space. Full planning permission is sought for Phase 1 containing 18,900sqm of floorspace in two buildings up to 16.2 metres in height (to ridge), together with associated highways works, open space, hard and soft landscaping, car parking and associated infrastructure. Outline planning permission is sought for Phase 2 for up to 26,100sqm of floorspace with all matters, except for access, reserved for later determination.	Approved 17/08/2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=37977/APP/2017/1634&module=pl	26,100sqm floorspace

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
177	London Borough of Hillingdon	The Arena, Stockley Park Stockley Park, West Drayton, UB11 1AA	37800/APP/2016/1430	Erection of 81 room hotel (Use Class C1) with ancillary bar/cafe with associated ancillary works including extension and reconfiguration of car park and landscaping.	Undecided (validated 12th April 2016)	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=37800/APP/2016/1430&from=planningSearch	Green belt development
178	London Borough of Hillingdon	The Arena, Stockley Park Stockley Park, West Drayton, UB11 1AA	37977/APP/2015/1004	Hybrid Application for the phased comprehensive redevelopment of the site to provide an overall maximum gross floorspace of 45,000sqm of light industrial uses (Use Class B1c and/or Use Class B2) and/or storage and distribution uses (Use Class B8) and ancillary offices, together with servicing, parking, access roads and open space. Full planning permission is sought for Phase 1 containing 18,900sqm of floorspace in two buildings up to 16.2 metres in height (to ridge), together with associated highways works, open space, hard and soft landscaping, car parking and associated infrastructure. Outline planning permission is sought for Phase 2 for up to 26,100sqm of floorspace with all matters, except for access, reserved for later determination.	Approved 14/12/15	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=37977/APP/2015/1004&from=planningSearch	45,000sqm of light industrial uses (Use Class B1c and/or Use Class B2) and/or storage and distribution uses (Use Class B8), Full permission sought for 18,900sqm
179	London Borough of Hillingdon	The Arena, Stockley Park Stockley Park, West Drayton, UB11 1AA	37800/APP/2013/161	Development of Stockley Arena to provide additional office accommodation, including a single-storey extension to the central rotunda and to the southern wing to create a new second floor, together with a two-storey extension above the existing refuse storage and deliveries area to the north.	Approved 29th August 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=37800/APP/2013/161&from=planningSearch	2,080 GIA new office floorspace
180	London Borough of Hillingdon	Bridge House Oxford Road, Uxbridge, UB8 1HS	40050/APP/2016/852	Demolition of existing office building (Use Class B1(a) and multi-storey car park and redevelopment of the site to provide a new office (Use Class B1(a) building, associated multi-storey car park and ancillary cafe unit (Use Class A1/A3).	Approved 06/07/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=40050/APP/2016/852&from=planningSearch	22,875 sq.m (GEA) new office space (net gain of 11,637 sq.m), 8 storey building (plus basement) and 7 floor multi-storey car park
181	London Borough of Hillingdon	Bridge House Oxford Road, Uxbridge, UB8 1HS	40050/APP/2017/2438	Prior Approval Application for the change of use of Bridge House, Riverview House and Waterside House from office accommodation (Class B1) to 237 residential units (15 x Studio and 224 x 1-Bed) together with ancillary car parking, cycle storage and waste and recycling storage.	Prior approval granted 01/09/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=40050/APP/2017/2438&from=planningSearch	237 residential units

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
182	London Borough of Hillingdon	Bridge House Oxford Road, Uxbridge, UB8 1HS	40050/APP/2017/3358	Prior Approval Application for the change of use of Bridge House from office accommodation (Class B1) to 76 residential units (Class C3) together with ancillary car parking, cycle storage and recycling storage	Prior approval granted 11th November 2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=40050/APP/2017/3358&from=planningSearch	See above.
183	London Borough of Hillingdon	Mount Vernon Hospital Rickmansworth Road, Northwood, HA6 2RN	3807/APP/2017/741	Erection of a single storey detached building for use as a skin care unit.	Approved 12/05/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=3807/APP/2017/741&from=planningSearch	Development in the green belt
184	London Borough of Hillingdon	Padcroft Works Bentinck Road & Tavistock Road, West Drayton, UB7 7RQ	45200/APP/2014/3638	Demolition of all existing buildings on the site enclosed by Bentinck Road and Tavistock Road (as shown outlined in red on the submitted application site plan) including Globe House, Globe Court, Padcroft Works, the former Dairy Crest dairy and TiGi Warehouse and comprehensive redevelopment to provide three buildings rising from three to eight storeys comprising 308 residential units, 175 sqm of Class B1 floorspace, public and private amenity space, hard and soft landscaping and lower ground floor parking space for 293 vehicles	Approved 10/12/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=45200/APP/2014/3638&from=planningSearch	Construction of three buildings 3-8 storeys in height to provide 308 residential units and 175 sqm of B1 floorspace
185	London Borough of Hillingdon	Padcroft Works Bentinck Road & Tavistock Road, West Drayton, UB7 7RQ	45200/APP/2017/327	Variation of condition 2 (Accordance with approved plans) of planning permission ref: 45200/APP/2016/3886 dated 25-01-2017: Variation of conditions 2 (Accordance with approved plans), 15 (Pedestrian Link) and 23 (Car Parking Stackers) of planning permission ref: 45200/APP/2014/3638 dated 10-12-2015: Demolition of all existing buildings on the site enclosed by Bentinck Road and Tavistock Road (as shown outlined in red on the submitted application site plan) including Globe House, Globe Court, Padcroft Works, the former Dairy Crest dairy and TiGi Warehouse and comprehensive redevelopment to provide three buildings rising from three to eight storeys comprising 308 residential units, 175 sqm of Class B1 floorspace, public and private amenity space, hard and soft landscaping and lower ground floor parking space for 293 vehicles, to allow the addition of 7 residential units within the approved floorspace.	Approved 12/10/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=45200/APP/2017/327&from=planningSearch	Increase in residential units from 308 originally approved to 315 units
186	London Borough of Hillingdon	1-3 Uxbridge Road, Hayes	1911/APP/2015/3185	Erection of 4 no. industrial, warehouse, office buildings (Use Classes B1, B2 and B8) with access and servicing arrangement, car parking, landscaping and associated works (Involving demolition of existing buildings).			

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
187	London Borough of Hillingdon	Harefield Place, Ickenham Drive The Drive, Ickenham, London	12571/APP/2016/3950	Section 73 application to vary condition 2 (drawing nos.) for a Minor Material Amendment (MMA) to planning permission ref. 12571/APP/2015/3649 (Demolition of existing modern U shaped extension. Conversion of existing Grade II listed building and erection of a replacement extension building to provide 25 self-contained apartments (Class C3), with associated basement car, cycle and motorcycle parking, private and communal amenity spaces and landscape enhancement, retaining existing entrance piers, the main vehicular entrance on The Drive and existing secondary servicing access with ancillary outbuildings) comprising changes to basement layout.	Approved 24/05/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Change to the basement layout, resulting in a reduction of 27 sq.m in overall floorspace proposed, development in the green belt
188	London Borough of Hillingdon	Harefield Place, Ickenham Drive The Drive, Ickenham, London	12571/APP/2016/4137	Application under Section 19 of the Planning (Listed Buildings and Conservation Areas) Act 1990 for variation of condition 2 (drawing nos.) for an amendment to Listed Building Consent ref. 12571/APP/2015/3650 (Demolition of existing modern U shaped extension. Conversion of existing Grade II listed building and erection of a replacement extension building to provide 25 self-contained apartments (Class C3), with associated basement car, cycle and motorcycle parking, private and communal amenity spaces and landscape enhancement, retaining existing entrance piers, the main vehicular entrance on 'The Drive' and existing secondary servicing access with ancillary outbuildings (Application for Listed Building Consent) comprising changes to basement layout.)	Approved 12/04/2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=12571/APP/2016/4137&module=pl	Minor material amendment to original Listed Building Consent to enable change to layout of basement
189	London Borough of Hillingdon	Harefield Place, Ickenham Drive The Drive, Ickenham, London	12571/APP/2015/3649	Demolition of existing modern U shaped extension. Conversion of existing Grade II listed building and erection of a replacement extension building to provide 25 self-contained apartments (Class C3), with associated basement car, cycle and motorcycle parking, private and communal amenity spaces and landscape enhancement, retaining existing entrance piers, the main vehicular entrance on The Drive and existing secondary servicing access with ancillary outbuildings	Approved 30/06/2016	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=12571/APP/2015/3649&from=planningSearch	Development in the green belt
190	London Borough of Hillingdon	Former Trinite Site Arundel Road, Uxbridge, UB8 2SD	9117/APP/2016/278	Proposed redevelopment of the site for three industrial/warehouse units with ancillary offices (Use Classes B1c/B2/B8) and a total floorspace of 16,178sq.m (GEA) including a new access off Ashley Road, a minor re-alignment of the highway, service yards, car parking and landscaping.	Approved 09/03/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=9117/APP/2016/278&from=planningSearch	Total GIA of 15,531 sq.m B1(c), B2 and B8 floorspace, industrial estate location

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
191	London Borough of Hillingdon	Plot 6, Rackspace City North Hyde Road, Hayes, UB3 4ND	22632/APP/2016/2369	Erection of a part single storey, part four storey building to provide a 150 bed hotel and restaurant including 75 car parking spaces, 1 coach parking space, 11 cycle parking spaces, associated landscaping and ancillary development.	Approved 10/02/2017	https://planning.hillingdon.gov.uk/OcellaWeb/viewDocument?file=dv_pl_files%5C22632_APP_2016_2369%5Corepcome-22632_APP_2016_2369-OPS%24KFELLOWS-20170210-130030.pdf&module=pl	150 bed hotel Part-single part-four storey hotel
192	London Borough of Hillingdon	Ansell Garden Centre Holloway Lane, Harmondsworth, UB7 0AE	1114/APP/2017/2104	Replacement of shop and canopy destroyed by fire and retention of a dog grooming parlour	Pending Consideration (validated 26/06/2017)	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1114/APP/2017/2104&from=planningSearch	Development in the green belt
193	London Borough of Hillingdon	Frogditch Farm Shepiston Lane, Hayes, UB3 1RN	10181/APP/2017/2230	Hybrid application for (1) Full application for the southern part of the site for Sui-Generis and/or B8 (Storage and Distribution) use including the parking of lorries, plant and other vehicles and open storage with the siting of no. 4 portacabins to provide an office, welfare and toilets, installation of a fuel pump and tank and jet wash with ancillary drainage, erection of new 2.4m palisade fencing and gates, retention of perimeter fencing, widening access junction and formation of access road and associated works; and (2) outline application for the erection of industrial/warehouse buildings (up to 1622 sq m) (B1c, B2 and B8) with parking for lorries, plant and other vehicles, open storage, access, hardstanding, fencing, bund and landscaping for the northern part of the site.	Pending consideration (validated 13/09/2017)	https://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Development in the green belt
194	London Borough of Hillingdon	3 Viveash Close Hayes, UB3 4RY	36678/APP/2017/1774	Demolition of the existing buildings and redevelopment of site with part 3, 8 and 13 storey building providing 88 residential units on upper floors and 977m2 commercial floorspace at ground, mezzanine and first floor levels; 50 car parking spaces, 140 cycle parking spaces and associated landscaping.	Pending consideration (Validated 18th May 2017)	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=36678/APP/2017/1774&from=planningSearch	Demolition of existing warehouse and associated buildings, Erection of 88 residential units in 2 blocks (13 and 8 storeys), B1 use (977 sq.m)

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
195	London Borough of Hillingdon	Hayes and Harlington Station, Station Road, Hayes	10057/APP/2014/4338	Application under Schedule 7 of the Crossrail Act 2008 for the approval of Plans and Specifications associated with the erection of a new station building, external lift shaft, footbridge with lift shafts, extension of platforms 2/3 and 4/5 with canopy modifications, new waiting room to Platform 4/5 and associated lighting	Approved 10/03/2015	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=10057/APP/2014/4338&from=planningSearch	Train station > 0.5ha
196	London Borough of Hillingdon	Hayes and Harlington Station, Station Road, Hayes	10057/APP/2017/3251	Application under Schedule 7 of the Crossrail Act 2008 for approval of plans and specification works at Hayes and Harlington Station comprising a new station building, new handrails to entrance stairs and re-location of bicycle stands, new footbridge with lift shafts, platform facilities on Platforms 4 and 5, installation of lighting and new canopy on Platforms 4 and 5	Approved 10th November 2017)	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=10057/APP/2017/3251&from=planningSearch	Train station > 0.5ha
197	London Borough of Hillingdon	Site of former Unitair Centre & Wayfarer House Great South West Road, Feltham TW14 8NT	49559/APP/2015/1991	Reserved matters application for circa 14,306 sq.m commercial development (B1c, B2, B8 use classes) pursuant to planning permission reference 49559/APP/2014/334	Approved 10/09/2015	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=49559/APP/2015/1991&from=planningSearch	14,306 sq.m commercial development (B1c, B2, B8 use classes)
198	London Borough of Hillingdon	Site of former Unitair Centre & Wayfarer House Great South West Road, Feltham TW14 8NT	49559/APP/2014/334	Outline application (all matters reserved) to provide up to 14,750sqm of B1c/B2/B8/Sui Generis (Car Showroom) uses (up to a maximum of 1,700 sqm of sui generis floorspace) with associated landscaping and access	Approved 27th May 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=49559/APP/2014/334&from=planningSearch	Up to 14,750 sq.m of B1c/B2/B8/Sui Generis use, Industrial site greater than 0.5ha
199	London Borough of Hillingdon	Site of Building 717 Sheffield way Heathrow Airport TW6 3SY	50657/APP/2015/1974	Reserved matters (Landscaping) application in compliance with conditions 2 and 3 of planning permission reference 50657/APP/2013/2214 (Demolition of existing warehouse buildings and erection of 602 bedroom 8-storey hotel with associated car parking (Outline application including details of access, appearance, layout and scale - landscaping reserved))	Approved 10/1/2015	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50657/APP/2015/1974&from=planningSearch	8 storey building, 602 room hotel

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
200	London Borough of Hillingdon	Site of Building 717 Sheffield way Heathrow Airport TW6 3SY	50657/APP/2015/1351	Alter elevations including infill of 2 indents on eastern corner of building, relocation of bedroom to first floor southern corner to replicate floors above, amended shape of western corner including altered reception entrance, internal alterations including the repositioning of 1 stair core and main lifts/service lifts/plant resulting in 6 additional bedrooms (total 607). Alterations to ground level (undercroft) to improve usability of car park and building entrances including: altered positions for support pillars; partial roof opening to provide daylight from atrium above; reconfigured drop-off area, cycle stands, motorcycle bays and electric charging bays; altered vehicular entrance and exit; alterations to ground floor plant areas (Application for Non-Material Amendment)	Approved 13/04/2015	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50657/APP/2015/1351&from=planningSearch	6 additional bedrooms to original permission (see above)
201	London Borough of Hillingdon	Site of Building 717 Sheffield way Heathrow Airport TW6 3SY	50657/APP/2013/2214	Demolition of existing warehouse buildings and erection of 602 bedroom 8- storey hotel with associated car parking (Outline application including details of access, appearance, layout and scale - landscaping reserved).	Approved 9th July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50657/APP/2013/2214&from=planningSearch	601 bedroom budget hotel, 8 storeys (see above)
202	London Borough of Hillingdon	Former Contractor's Compound, South of Swindon Road Heathrow Airport	67622/APP/2013/2532	Part outline, part full planning application for a proposed hotel development of up to 660 bedrooms (approximately 30,000sq.m) with ancillary cafe, bar and restaurant facilities, car parking, service access, courtyard space, landscaping and improved ground level pedestrian access including public realm improvements (all outline application) and a perimeter veil structure wrapping around the hotel buildings (in full application detail).	Approved 30th July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=67622/APP/2013/2532&module=pl	660 bed hotel (approx. 30,000 sq.m) with ancillary café, bar and restaurant
203	London Borough of Hillingdon	Former Contractor's Compound, South of Swindon Road Heathrow Airport	67622/APP/2015/1851	Variation of conditions 3, 4 and 9 of application 67622/APP/2013/2532 which granted consent on 30/7/14 for "Part outline, part full planning application for a proposed hotel development of up to 660 bedrooms (approximately 30,000sq.m) with ancillary cafe, bar and restaurant facilities, car parking, service access, courtyard space, landscaping and improved ground level pedestrian access including public realm improvements (all outline application) and a perimeter veil structure wrapping around the hotel buildings (in full application detail)". Variation requested for the removal of the veil and alterations to the glazing, amenity space and layout of the floors.	Approved 05/02/2016	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=67622/APP/2015/1851&from=planningSearch	Original scheme involved hotel development of up to 660 bedrooms (approximately 30,000sq.m) with ancillary cafe, bar and restaurant facilities, Proposals include amendments to remove the veil structure originally proposed around the building and the

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
							conditions relating to this and internal layout of the building
204	London Borough of Hillingdon	Former Contractor's Compound, South of Swindon Road Heathrow Airport	67622/APP/2016/3198	Reserved Matters (Appearance, Landscaping, Layout, Scale, and Access) in compliance with condition 2 of application 67622/APP/2015/1851 (Variation of conditions 3, 4 and 9 of application 67622/APP/2013/2532 which granted consent on 30/7/14 for 'Part outline, part full planning application for a proposed hotel development of up to 660 bedrooms (approximately 30,000 sq.m) with ancillary cafe, bar and restaurant facilities, car parking, service access, courtyard space, landscaping and improved ground level pedestrian access including public realm improvements (all outline application) and a perimeter veil structure wrapping around the hotel buildings (in full application detail'. Variation requested for the removal of the veil and alterations to the glazing, amenity space and layout of the floors)	Approved 08/12/2016	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=67622/APP/2016/3198&from=planningSearch	7 storeys + 2 basements (see above)
205	London Borough of Hillingdon	Former Contractor's Compound, South of Swindon Road Heathrow Airport	67622/APP/2017/4325	Variation of Condition 3 (Approved Plans) of outline planning permission ref. 67622/APP/2015/1851 dated 05-02-2016 (660 bedroom hotel development) to allow for internal reconfiguration to accommodate an additional 87 bedrooms and for an increase in the height of the atrium roof	Approved Jan 2018	http://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Additional 87 bedrooms proposed to previous permission
206	London Borough of Hillingdon	Compound d Hotel site, Terminal 5 Heathrow Airport Hounslow	47853/APP/2015/33	Reserved matters (landscaping) in compliance with condition 9 of outline permission ref: 47853/APP/2008/3326 dated 9-3-2012 (Erection of 453 bedroom hotel with associated parking)	Approved 06/01/2015	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=47853/APP/2015/33&from=planningSearch	453 bedroom hotel
207	London Borough of Hillingdon	Temporary car park site, Sealand Road Heathrow airport	65688/APP/2016/94	Erection of multi-deck car park for use by Gate Gourmet and British Airways staff (Outline application with details of access, appearance, layout and scale)	Approved 07/03/2016	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=65688/APP/2016/94&module=pl	27,555 sq.m, 1,022 car parking spaces, 5 storey (ground floor + 4 levels) car park

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
208	London Borough of Hillingdon	Temporary car park site, Sealand Road Heathrow airport	65688/APP/2016/1929	Reserved matters (details of landscaping) in compliance with condition 2 of outline planning permission ref: 65688/APP/2016/94 dated 7/3/2016 (erection of a multi deck car park for use by Gate Gourmet and British Airways staff).	Approved 07/07/2016	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=65688/APP/2016/1929&module=pl	See above.
209	London Borough of Hillingdon	276 Bath Road, Sipson	35293/APP/2015/3693	Minor material amendment to planning permission ref. 35293/APP/2009/1938 dated 28/05/2010: Erection of 623-bedroom hotel with ancillary restaurant/bar facilities, landscaping, parking for 354 cars and associated works to allow the addition of an extra floor, internal and external alterations to the building, involving extension of the building within the internal courtyards and on the new fifth floor and alterations to the parking/landscaping layout	Approved 02/09/2016	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=35293/APP/2015/3693&module=pl	Amendments include works to allow the addition of an extra floor and extension of the building within the internal courtyards, internal and external alterations and alterations to the parking/landscaping layout. Amendments would not increase the overall Original permission enabled development of 623-bedroom hotel with ancillary restaurant/bar facilities
210	London Borough of Hillingdon	276 Bath Road, Sipson	35293/APP/2013/2709	Erection of 2 industrial/warehouse units incorporating 9,160sqm GIA within B1(c)/B2/B8 Use Classes with ancillary office space, associated car parking, landscaping and service yards	Approved 6th June 2014	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=35293/APP/2013/2709&module=pl	Industrial Estate development over 0.5 ha, Construction of 9,160 sq.m of B1C, B2 and B8 use
211	London Borough of Hillingdon	Land at Harmondsworth Holloway Close, Harmondsworth	73289/APP/2017/3976	Phased mineral extraction, erection of a low profile processing and concrete plant, importation and treatment of reclamation material including ancillary activities, with restoration to agriculture	Pending consideration (undecided). Validated 03/11/2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=73289/APP/2017/3976&module=pl	Site area 10.9 ha, Mineral extraction and concrete production. Total capacity of void of 300,000 cubic metres and maximum operational

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
							output of 100,000 tonnes
212	London Borough of Hillingdon	Colnbrook Sidings, Tavistock Road, Yiewsley	68023/APP/2017/4020	Schedule 7 application to bring into use Crossrail Scheduled Work Number 3/10 (a railway (1,486 metres in length) commencing by a junction with the Reading Railway at a point at a point 15 metres west of the bridge carrying that railway over the Colnbrook branch line (the former Staines and West Drayton Railway), passing eastwards and terminating with the Reading Railway at a point 40 metres east	Approved 28/12/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=68023/APP/2017/4020&from=planningSearch	Railway works >.5 ha
213	London Borough of Hillingdon	The Grand Union Office Park Packet Boat Lane Cowley UB8 2GH	1197/APP/2015/4164	Demolition of Block C and end of Block B and erection of four replacement buildings of five-storeys in height. Extensions to Blocks A and B to five-storeys. Excavation of basement for car parking; provision of landscaping and amenity space; enhancement of site boundaries including improved access to Grand Union Canal. Total provision of 144 residential units (32 replacing those already approved under permitted development rights in existing loft space of Blocks A and B), comprising 12 x studio, 51 x 1-bed, 53 x 2-bed, 28 x 3-bed; car parking provision of 251 spaces and cycle parking provision of 273 spaces	Approved 13/12/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1197/APP/2015/4164&from=planningSearch	Demolition of buildings, extension of 2 existing buildings and erection of 4 replacement buildings (5 storeys), 144 residential flats (with prior approvals total residential units on site will be 251)
214	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2015/848	Variation of condition 5 of planning permission ref: 585/APP/2009/2752 dated 18/01/2012 (redevelopment of former RAF Uxbridge site) to amend approved plans and drainage strategy regarding the Town Centre Extension phase of the development	Approved 21st December 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Original outline approval for up to 1,296 residential units; 77 one-bed retirement complex; 3 fe primary school; hotel of up to 90 storeys; 1,200 seat theatre with ancillary cage; up to 13,860 sq.m office; up to 150 sq.m A1/A2 and 225 sq.m D2 uses

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
215	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2015/2657	Erection of 249 dwellings comprising 3no studio apartments, 92no. 1bed apartments, 130no. 2 bed apartments, 24no. 3 bed apartments together with associated parking and landscaping, and all details required by Conditions 2 and 3 relating to the reserved matters of layout, scale, appearance and landscaping.	Approved 27/01/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=585/APP/2015/2657&from=planningSearch	249 dwellings
216	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2016/4504	Reserved matters (layout, scale, appearance and landscaping) for the erection of 294 dwellings and up to 469 sq.m of retail floorspace (Use Class A1-A5) development together with associated parking and landscaping within the Town Centre Extension (West) Phase of planning permission ref. 585/APP/2015/848 dated 21-12-2015.	Undecided	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=585/APP/2016/4504&from=planningSearch	249 dwellings
217	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2013/759	Reserved matters (appearance, landscaping, layout and scale) in compliance with conditions 2 and 3 for Infrastructure Phase, comprising detailed design of the new 'Spine Road' of planning permission ref: 585/APP/2009/2752 dated 18/01/2012 for a new mixed used development at St Andrews Park (Former RAF Uxbridge Site)	Approved 26th June 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=585/APP/2013/759&from=planningSearch	Spine road serving part of the development, Site area 1.8 ha
218	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2013/979	Reserved matters (appearance, layout, scale and landscaping) in compliance with conditions 2 and 3 for Phase 1, Seventh Application (Eastern Side of District Park) of planning permission ref: 585/APP/2009/2752 dated 18/01/2012 for the proposed mixed-use redevelopment of St Andrews Park (Former RAF Uxbridge site).	Approved 16th August 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Major development in green belt
219	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2013/2474	Reserved matters (appearance, landscaping, layout and scale) in compliance with conditions 2 and 3 for the construction of the northern access and works to the Chippendale Roundabout of planning permission ref: 585/APP/2009/2752 dated 18/01/2012, for the proposed mixed-use redevelopment of the RAF Uxbridge site. (Additional plans received.)	Approved 27th November 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=585/APP/2013/2474&from=planningSearch	See above.
220	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2013/2719	Reserved matters (appearance, layout, scale and landscaping) in compliance with conditions 2 and 3 for Phase 3, First Application (Western Side of District Park) of planning permission ref: 585/APP/2009/2752 dated 18/01/2012 for the proposed mixed-use redevelopment of St Andrews Park (Former RAF Uxbridge site).	Approved 11th December 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=585/APP/2013/2719&from=planningSearch	Major development in green belt – access road to serve development
221	London Borough of Hillingdon	St Andrews Park Hillingdon Road Uxbridge	585/APP/2014/17	Reserved matters (appearance, layout, scale and landscaping) in compliance with conditions 2 and 3 for the construction of a Flood Compensation Scheme within the eastern side of the District Park of planning permission ref: 585/APP/2009/2752 dated 18/01/2012 for the proposed mixed-use redevelopment of St Andrews Park (Former RAF Uxbridge site).	Approved 26th March 2014	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=585/APP/2014/17&module=pl	Flood mitigation scheme. Green belt location

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
222	London Borough of Hillingdon	Abbotsfield and Swakeleys School Clifton Gardens, Hillingdon	3505/APP/2015/3030	Redevelopment of the Abbotsfield and Swakeleys School sites to provide two new three-storey secondary schools with detached sports halls and associated facilities including playgrounds, sports pitches, a Multi-Use Games Area (MUGA), car parking and pupil drop-off/pick-up areas; erection of a new two-storey Vocational Training Centre (VTC); creation of a new vehicular access via Sutton Court Road; landscaping; and ancillary development (including retention of an existing sports hall and maths block and demolition of all other existing school buildings)	Approved 16/05/2016	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=3505/APP/2015/3030&module=pl	Total new gross internal floorspace of 25,158 sq.m of D1 use. Net increase of 5,075 sq.m floorspace (20,083 sq.m to be lost)
223	London Borough of Hillingdon	1 Nobel Drive, Harlington	46214/APP/2014/2827	Conversion and extension of existing office building to form a 200 bedroom hotel with banqueting suite, conference facilities, and rooftop restaurant, including a seven-storey extension to rear, a three storey addition at roof level, and single-storey side extension, together with the creation of a new vehicle access, and alterations to car parking and landscaping	Approved 28th August 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	15,280 gross new internal floorspace of C1 use. Overall net increase of 11,056 sq.m floorspace
224	London Borough of Hillingdon	1 Nobel Drive, Harlington	46214/APP/2016/2397	Variation of condition 2 (Approved Plans) of planning permission ref. 46214/APP/2014/2827, dated 28 August 2015: Conversion and extension of existing office building to form a 200 bedroom hotel with banqueting suite, conference facilities, and rooftop restaurant, including a seven-storey extension to rear, a three-storey addition at roof level, and single-storey side extension, together with the creation of a new vehicle access, and alterations to car parking and landscaping	Approved 22nd February 2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Provide an additional 44 rooms and extra car parking
225	London Borough of Hillingdon	Brunel University Kingston Lane, Hillingdon, UB8 3PH	532/APP/2015/3350	Construction of a research building, together with associated substation, car parking, access and landscaping.	Approved 11 March 2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=532/APP/2015/3350&from=planningSearch	Green belt development
226	London Borough of Hillingdon	Brunel University Kingston Lane, Hillingdon, UB8 3PH	532/APP/2014/30	Construction of a research building, together with associated substation, stores, car parking access and landscaping.	Approved 26th June 2014	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=532/APP/2014/30&module=pl	Green belt development

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
227	London Borough of Hillingdon	Brunel University Kingston Lane, Hillingdon, UB8 3PH	532/APP/2012/670	Application for Extension of Time to Implement Outline Application for Brunel University Master Plan proposals (ref:532/APP/2002/2237) comprising erection of 48,064 sq.m of new academic floorspace, 69,840 sq.m of new student residential accommodation, ancillary floorspace and infrastructure, provision of 645 additional parking spaces, improved access from Kingston lane, new access from Cowley road, highway improvements to Cleveland road, improved pedestrian and cycle routes, landscaping and environmental improvements (involving demolition of 18,600 sq.m of existing floorspace).	Approved 12th Jan 2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=532/APP/2012/670&from=planningSearch	
228	London Borough of Hillingdon	Building 63 Phase 500, Riverside Way Riverside Way, Uxbridge	APP/2014/170	Redevelopment of the site to provide 1 industrial unit (2361sqm) for B1(c), B2 and B8 uses and a 80 bedroom hotel (C1 use) with associated restaurant, bar and meeting facilities (755sqm), car parking, landscaping, lighting, plant and equipment and associated works.	Approved 30th May 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=56862/APP/2014/170&from=planningSearch	2,361 sq.m industrial unit for flexible B1(c), B2 and B8 uses, a three storey 80 bedroom hotel (Use Class C1) and 755sqm of associated restaurant/bar and meeting facilities
229	London Borough of Hillingdon	Former Anglers Retreat PH Cricketfield Road, West Drayton	11981/APP/2013/3307	Demolition of existing single and two storey extensions and outbuildings associated with the public house. Retention and conversion of the original public house building to form 2 no. residential units plus the erection of an additional 14 no. residential units on the site, provision of a wild flower meadow, car parking, landscaping, amenity space and other associated works.	Approved 30th April 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=11981/APP/2013/3307&from=planningSearch	Green belt development
230	London Borough of Hillingdon	Hillingdon Court 108 Vine Lane, Hillingdon, UB10 0BE	2393/APP/2015/1146	Creation of science laboratories above the existing West Wing, extension to existing hall/West Wing to create a multi-purpose hall, refurbishment of internal rooms, enclosure and refurbishment of the internal courtyard and alterations to manoeuvring yard and access road with associated landscape works	Approved 8th August 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=2393/APP/2015/1146&from=planningSearch	Extensions and alterations to Grade II* Listed Building, green belt development
231	London Borough of Hillingdon	Site of building 717 located between Sheffield way and southern perimeter road Heathrow airport (due east of terminal 4)	50657/APP/2013/2214	Demolition of existing warehouse buildings and erection of 602 bedroom 8-storey hotel with associated car parking (Outline application including details of access, appearance, layout and scale - landscaping reserved).	Approved 9th July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50657/APP/2013/2214&from=planningSearch	8 storey, 602 bedroom hotel and complimentary facilities

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
232	London Borough of Hillingdon	The Old Vinyl Factory Blyth Road, Hayes, UB3 1HA	59872/APP/2013/3775	Variation of Condition 4 (Phasing) of planning permission 59872/APP/2012/1838 dated 19/04/2013, to allow variations to phasing of approved development to allow the Boilerhouse and the Material Store to come forward as Phases 1 and 2, and to allow the Veneer Store and/or Record Stack carparks to come forward earlier than in the approved phasing.	Approved 31st July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=59872/APP/2013/3775&from=planningSearch	Variation of phasing for outline application, which proposed demolition of up to 12,643 sq.m of buildings and construction of up to 112,953 sq.m of new floorspace (including up to 510 residential units, B1, A Class, D1 and D2 use floorspace, an energy centre and car parking). Various RMAS subsequently approved
233	London Borough of Hillingdon	The Old Vinyl Factory Blyth Road, Hayes, UB3 1HA	59872/APP/2014/1928	Reserved matters (appearance and landscaping) in compliance with conditions 2 and 3 for the second phase: Phase 8 - The Veneer Store (multi-storey car park for 526 vehicles, and 65 space surface car park, together with 332sqm of A1/A2/A3/A4/A5/B1/D1/D2 floor space), of planning permission ref: 59872/APP/2013/3775, dated 31/07/2014 (Variation of condition 4 of outline planning application ref. 59872/APP/2012/1838 for a mixed use development of the Old Vinyl Factory site)	Approved 2nd September 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=59872/APP/2014/1928&from=planningSearch	12, 884 sq.m car parking space. EIA Schedule 2 development
234	London Borough of Hillingdon	The Old Vinyl Factory Blyth Road, Hayes, UB3 1HA	59872/APP/2015/1798	Construction of a 4-storey University Technical College (UTC) on 'The Picturehouse' development plot together with associated improvements, including car and cycle parking, vehicular drop-off/pick-up zone formed off Blyth Road, landscaping and the provision of an electricity substation enclosure to the front.	Approved 12th October 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=59872/APP/2015/1798&from=planningSearch	6,714 sq.m of C2 floorspace, 4 storey building
235	London Borough of Hillingdon	HPH 4 Millington Road Hayes	40652/APP/2013/1981	Variation of condition 14 (contamination) of planning permission 40652/APP/2012/2030 granted 5 July 2013 for the Erection of a four storey building to provide 6,966 sq.m of Class B1(a) Office floorspace, provision of 70 associated car parking spaces at basement level, associated landscaping and ancillary works.	Approved 9th September 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=40652/APP/2013/1981&from=planningSearch	Industrial estate development over 0.5ha

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
236	London Borough of Hillingdon	HPH 5 Millington Road Hayes	40652/APP/2013/1980	Variation of condition 14 (contamination) of planning permission 45753/APP/2012/2029 (Erection of five storey building to provide 13,880sq.m of Class B1(a) Office floorspace, provision of car parking spaces at surface and basement level, associated landscaping and ancillary works).	Approved		Industrial estate development over 0.5ha
237	London Borough of Hillingdon	The Comfort Inn Hotel, Heathrow Shepiston Lane Hayes	382/APP/2013/1163	Application for new planning permission to replace extant planning permission dated 14th September 2010, reference 382/APP/2010/1404 for Erection of a three storey bedroom wing extension to hotel to provide 54 bedrooms and 15 bathrooms, involving demolition of existing bedroom wing (Application to replace extant appeal decision ref: APP/R5510/A/07/2047304 dated 23/10/2007.)	Approved 22nd November 2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=382/APP/2013/1163&from=planningSearch	Green belt development
238	London Borough of Hillingdon	Uxbridge Technical College Park Road Uxbridge	1127/APP/2013/2739	Amendment to appearance and layout of the south block previously approved under planning permission 1127/APP/2009/443 dated 14-05-10 (Section 73 application to vary condition 28 of the original planning permission)	Approved 24th January 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1127/APP/2013/2739&from=planningSearch	Green belt development, Two new buildings comprising workshops, classrooms, staffrooms, examination hall and toilets
239	London Borough of Hillingdon	Units 1623 & 1685 Stockley close West Drayton UB7 9BL	51458/APP/2013/2973	Redevelopment of site to provide industrial units for B1(c), B2 and/or B8 uses with associated access, parking, landscaping and ancillary works.	Approved 7th February 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=51458/APP/2013/2973&from=planningSearch	Industrial Estate development over 0.5 ha, 8,440 sq.m of B1(c), B2 or B8 uses
240	London Borough of Hillingdon	Rainbow and Kirby Industrial Estates Trout Road Yiewsley	38058/APP/2013/1756	Demolition of existing premises and erection of 99 residential units (C3), 50 unit extra care/dementia sheltered housing scheme (C3), 1,529.4sqm light industrial floorspace comprising 17 business units (B1c) and 611.30sqm of restaurant/cafe (A3) floorspace associated open space, car parking and landscaping. (Outline Application)	Approved 23rd July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=38058/APP/2013/1756&from=planningSearch	Industrial Estate development over 0.5 ha, Redevelopment to provide 99 market flats and 50 extra care flats, 2,140 sq.m commercial (B1/A3) Floorspace

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
241	London Borough of Hillingdon	Former National Air Traffic Services Headquarters site, Porters Way, West Drayton	5107/APP/2009/2348	Proposed mixed-use redevelopment comprising: 773 dwellings comprising 12no. studios, 152 no. 1-bedroom flats, 316no. 2-bedroom flats, 21no. 2-bedroom houses, 23no. 3-bedroom flats, 181no. 3-bedroom houses, 59no. 4-bedroom houses and 9no. 5-bedroom houses; Class D1 Primary Healthcare facility including room for joint community use (up to 1085sqm gea); Class C2 Nursing Home (up to 3630sqm gea); Classes A1-A3 Shop units to complement Mulberry Parade (up to 185sqm gea, depending on size of Primary Healthcare facility); Class B1 Business units including site management office (up to 185sqm gea); Energy Centre (up to 220sqm gea) with combined heat and power unit; foul water pumping station; associated access roads from Porters Way (and excluding all access including pedestrian and bicycle access from Rutters Close); 1085 car parking spaces; cycle parking; public open space areas; cycleways and footpaths; and landscaping works (Outline Application)	Approved 7th October 2010	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=5107/APP/2009/2348&module=pl	Outline application comprised 773 residential units, up to 1,085 sq.m GEA D1use, 3,630 sq.m GEA C2 Nursing homes, up to 185 sq.m A1-A3 and Up to 185 sq.m B1 use.
242	London Borough of Hillingdon	Padcroft Works Tavistock Road Yiewsley	45200/APP/2012/3082	Comprehensive redevelopment of site to provide three buildings of part 7 storeys and part 5 storeys comprising 208 residential units, 190 sq.m (approx) of Use Class B1 floorspace with associated public and private amenity space, hard and soft landscaping, lower ground floor parking for vehicles and bicycles (involving demolition of all existing buildings)	Approved 19th February 2017	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=45200/APP/2012/3082&module=pl	241 residential units proposed
243	London Borough of Hillingdon	Building 63 Phase 500, Riverside Way, Uxbridge, Middlesex	56862/APP/2014/170	Redevelopment of the site to provide 1 industrial unit (2361sqm) for B1(c), B2 and B8 uses and a 80 bedroom hotel (C1 use) with associated restaurant, bar and meeting facilities (755sqm), car parking, landscaping, lighting, plant and equipment and associated works	Approved 30th May 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=56862/APP/2014/170&from=planningSearch	Industrial estate development greater than 0.5ha
244	London Borough of Hillingdon	Stockley Park Golf Clubhouse Stockley Road West Drayton	37850/APP/2012/2739	Remodelling, realignment, and landscaping of existing 10th hole of golf course including planting, remodelling of landforms, and the enhancement and alteration of paths, greens, and fairways	Approved 20th October 2015	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=37850/APP/2012/2739&module=pl	EIA schedule 2 development

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
245	London Borough of Hillingdon	272-276 Bath Road, Sipson	464/APP/2014/1210	Change of use of existing building from office (Use Class B1(a)) to 123-room Hotel (Use Class C1), including 4-storey side extension (to rear of adjacent petrol station), and 4-storey rear extensions, and associated alterations to landscaping and car parking.	Approved 31st July 2014	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=464/APP/2014/1210&module=pl http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=464/APP/2014/2886&from=planningSearch	Urban development projects over 1ha non-residential
246	London Borough of Hillingdon	272-276 Bath Road, Sipson	464/APP/2014/2886	Change of use of existing building from office (Use Class B1(a)) to 135-room Hotel (Use Class C1), including 4-storey side extension (to rear of adjacent petrol station), and 4-storey rear extensions, and associated alterations to landscaping and car parking.			Urban development projects over 1ha non-residential
247	London Borough of Hillingdon	Land To the West of Laurel Lane, West Drayton	70019/APP/2014/1807	New 2 storey Junior School (5 forms of entry) including new vehicular and pedestrian accesses, alterations to an existing footpath, creation of pick-up/drop-off area, associated car parking, landscaping, playground, provision of a Multi-Use Games Area (MUGA) and ancillary development	Approved 30TH August 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70019/APP/2014/1807&from=planningSearch	EIA Schedule development – development will occupy 1.23 ha
248	London Borough of Hillingdon	Land To the West of Laurel Lane, West Drayton	70019/APP/2015/1340	Variation of conditions 2 (approved plans), 3 (approved documents), 4 (materials) and 5 (landscaping) of planning permission ref: 70019/APP/2014/1807 (for the erection of a new 2 storey Junior School (5 forms of entry) to provide a 3 Forms of Entry Primary School with 630 pupil places and 90 nursery places with associated adjustments to play areas to reflect nursery and reception age groups requirements including addition of covered play canopies to nursery classrooms along with amendment to boundary treatment.	Approved 25th November 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70019/APP/2015/1340&from=planningSearch	Minor amendments to layout
249	London Borough of Hillingdon	E C House Swallowfield Way Hayes	38065/APP/2014/2143	Re-development of the site to provide 5 industrial units (Use Class B1(c), B2 and B8) with associated parking, servicing and landscaping (Involving demolition and refurbishment of existing units)	Approved 2nd February 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=38065/APP/2014/2143&from=planningSearch	Industrial estate development project over 0.5ha, 6,540 sq.m B1c/B2/B8 proposed with ancillary office

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
250	London Borough of Hillingdon	E C House Swallowfield Way Hayes	38065/APP/2015/206	Section 73 application seeking a variation to condition 2 (approved plans) of planning permission ref. 38065/APP/2014/2143 (Re-development of the site to provide 5 industrial units (Use Class B1(c), B2 and B8) with associated parking, servicing and landscaping (Involving demolition and refurbishment of existing units) dated 2/12/14) to remove the 2 metre gap between units 2 and 3 by extending either or both units.	Approved 25th February 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=38065/APP/2015/206&from=planningSearch	seeks to infill a 2 metre gap between units 2 and 3 by extending sideways either or both units
251	London Borough of Hillingdon	Unit 3, The Argent Centre, Pump Lane, Hayes	46218/APP/2014/2186	Change of use from cellular radio telephone exchange (sui generis) to wholesale (Class B8 - storage and distribution) and creation of mezzanine floor providing ancillary storage and office space	Approved 20th October 2014	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=46218/APP/2014/2186&module=pl	Industrial estate development project over 0.5ha
252	London Borough of Hillingdon	FLIGHT CONNECTION CENTRE, TERMINAL 3, CENTRAL TERMINAL AREA HEATHROW AIRPORT HOUNSLOW	27277/APP/2014/3204	Demolition of existing Flight Connection Centre and erection of new larger centre serving Terminal 3.	Approved 19th November 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=27277/APP/2014/3204&from=planningSearch	3 storey building providing 7,566 sq.m
253	London Borough of Hillingdon	Building B5, 4 Roundwood Avenue, Stockley Park	37205/APP/2014/3056	Extensions, refurbishment, and alterations, including re-cladding, to existing office building, together with associated works, including landscaping and alterations to car parking	Approved 20th February 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=37205/APP/2014/3056&from=planningSearch	
254	London Borough of Hillingdon	PLOT 1, PHASE 3, THE PORTAL SCYLLA ROAD HEATHROW AIRPORT	50270/APP/2014/3315	Reserved matters of access, appearance, landscaping, layout and scale for Phase 3 Unit 1 of outline planning permission 50270/APP/2011/2570 dated 23/12/2011.	Approved 10th December 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50270/APP/2014/3315&from=planningSearch	Reserved Matters application for building 3862 sq.m of commercial floorspace – undeveloped part of plot 1, Outline permission originally granted in 2011 wider site to include 10, 194 sq.m commercial development on plot 3, up to

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
							6,294 sq.m flexible B1C/B2/B8 on Plot 1 and 8,163 sq.m of flexible B1c/B2/b8 floorspace for Plot 2
255	London Borough of Hillingdon	The Battle of Britain Bunker, RAF Uxbridge Hillingdon road Uxbridge	585/APP/2014/3910	Erection of Battle of Britain Education and Visitor centre with exhibition space, auditorium, meeting rooms, library, cafe and shop and associated parking area and landscaping.	Approved 29th January 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=585/APP/2014/3910&from=planningSearch	Major green belt development, 1970 sq.m new floorspace
256	London Borough of Hillingdon	HAREFIELD GROVE RICKMANSWORTH ROAD HAREFIELD	28301/APP/2013/3104	Conversion of majority of historic main house into single dwelling unit, alteration and conversion of existing east and west wings and southern part of main house into 15 residential units and conversion of 'stable building' into 4 residential units. Demolition of glazed link and canopy including outbuilding to south. Restoration of historic landscape including reinstatement of garden wall, retention of cottage house, conversion & extension of existing conservatory and adjacent building to form single dwelling, conversion and extension of existing outbuilding/store to form single dwelling house and construction of new house with garage to the southeast linked with garden wall reinstatement and reinstatement of former entrance lodge as two dwelling units. (Full Planning Application amended scheme)	Approved 23rd September 2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=28301/APP/2013/3104&from=planningSearch	Major green belt development

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
257	London Borough of Hillingdon	HAREFIELD GROVE RICKMANSWORTH ROAD HAREFIELD	28301/APP/2013/3105	Conversion of majority of historic main house into single dwelling unit, alteration and conversion of existing east and west wings and southern part of main house into 15 residential units and conversion of 'stable building' into 4 residential units. Demolition of glazed link and canopy including outbuilding to south. Restoration of historic landscape including reinstatement of garden wall, retention of cottage house, conversion & extension of existing conservatory and adjacent building to form single dwelling, conversion and extension of existing outbuilding/store to form single dwelling house and construction of new house with garage to the southeast linked with garden wall reinstatement and reinstatement of former entrance lodge as two dwelling units. (Listed Building Consent Application amended).	Approved 23rd September 2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=28301/APP/2013/3105&from=planningSearch	Major green belt development
258	London Borough of Hillingdon	Harefield Hospital, Hill End Road, Harefield, Middlesex	9011/APP/2014/3602	Temporary retention of Acorn Ward and Oak Ward; temporary extension above Acorn Ward to provide new 18 bed ward with associated access, linking it to the existing main block via a new bridge; and single storey extension to provide additional ITU accommodation, CT and MRI scanners and associated patient, user and staff accommodation	Approved 18th September 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=9011/APP/2014/3602&from=planningSearch	Major green belt development
259	London Borough of Hillingdon	FORMER EMI SITE DAWLEY ROAD HAYES	8294/APP/2015/1406	Redevelopment of the site to provide 10,728sq metres of Class B1(c) and B2 (General Industrial) and B8 (Storage and Distribution) floorspace with associated parking, servicing, access and landscaping.	Approved 9th October 2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=8294/APP/2015/1406&from=planningSearch	10,728 sq.m of B1C, B2 and B8 proposed, Urban development project with more than 1ha of urban development which is non-residential
260	London Borough of Hillingdon	UNIT C, PROLOGIS PARK STOCKLEY ROAD WEST DRAYTON	18399/APP/2015/1087	Change of use of Unit C to a flexible use consisting of Light Industrial (Use Class B1(c)) and/or Storage and Distribution (Use Class B8) from Storage and Distribution (Use Class B8) only.	Approved 24th September 2015	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=18399/APP/2015/1087&module=pl	Industrial estate development greater than 0.5 ha
261	London Borough of Hillingdon	HAYES GATE HOUSE, 27 UXBRIDGE ROAD HAYES	2385/APP/2015/1464	Variation of Condition 2 (Approved drawings) and Condition 7 (accessible bedrooms) of planning application 2385/APP/2013/2523 (Change of Use of existing office (B1) building to create 170 bedroom hotel (C1) use with ancillary car parking and landscaping) to allow for a reduction in the provision of rooms with hoists.	Approved 15th September 2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=2385/APP/2015/1464&from=planningSearch	Industrial estate development greater than 0.5 ha, Original application involved change of use of office to 170 bedroom hotel, Variation of conditions to

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
							amend drawings and reduce number of rooms with fixed tracked hoist system
262	London Borough of Hillingdon	HAYES GATE HOUSE, 27 UXBRIDGE ROAD HAYES	2385/APP/2013/2523	Change of Use of existing office (B1) building to create 170 bedroom hotel (C1) use with ancillary car parking and landscaping. Granted planning permission	Approved 18th December 2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=2385/APP/2013/2523&from=planningSearch	Industrial estate development greater than 0.5 ha
263	London Borough of Hillingdon	WEST LONDON COMPOSTING LAND & LAND TO THE NORTH AND SOUTH OF NEWYEARS GREEN LANE HAREFIELD	12579/APP/2012/2366	The continuation of existing recycling operations at land to the North and South of New Years Green Lane for an organic composting facility operation to handle a maximum throughput of up to 75,000 tonnes per annum of organic waste for a temporary period of five years.	Approved 17th September 2015	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=12579/APP/2012/2366&module=pl	
264	London Borough of Hillingdon	UNIT 3 (MEDIA HOUSE) SPRINGFIELD ROAD HAYES UB4 0DD	44110/APP/2015/2570	Change of Use from Use Classes B1/B8 to Use Classes B1/B2/B8	Approved 7th October 2015	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=44110/APP/2015/2570&module=pl	Industrial estate development greater than 0.5 ha
265	London Borough of Hillingdon	LAND EAST OF THE FORMER EMI SITE 120 BLYTH ROAD HAYES	51588/APP/2015/1613	Minor amendments to design, external appearance and car parking layout through variation of condition 2 of Planning Consent reference 51588/APP/2011/2253 for the 'Demolition of warehouse extension to Apollo House and erection of a part 4, part 5, part 6 and part 7 storey building comprising 132 residential units, cafe (class A3), Community room (class D2), x workshop units (class B1, B8 or a2 uses), and associated car parking and landscaping'	Approved 22nd January 2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=51588/APP/2015/1613&from=planningSearch	Industrial estate development greater than 0.5ha

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
266	London Borough of Hillingdon	LAND EAST OF THE FORMER EMI SITE 120 BLYTH ROAD HAYES	51588/APP/2016/1423	Variation of Conditions 2, 3, 4, 5, 6, 8, 10, 11, 12, 14, 15, 16, 17, 18, 20, 22, 24, 27, 28, 30, 31, 32, 33, 34, 36, 37, 39, 40, 42, 43, 46, 47, 48, 50, 52 and 54, plus the removal of conditions 25, 26 and 45 of planning permission ref: 51588/APP/2015/1613 (Minor amendments to design, external appearance and car parking layout through variation of condition 2 of Planning Consent reference 51588/APP/2011/2253 for the 'Demolition of warehouse extension to Apollo House and erection of a part 4, part 5, part 6 and part 7 storey building comprising 132 residential units, cafe (class A3), Community room (class D2), x workshop units (class B1, B8 or a2 uses), and associated car parking and landscaping')	Approved 16th September 2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningSearch	Relates to submission of information trigger points for conditions
267	London Borough of Hillingdon	Hillingdon Hospital, Pield Heath Road, Hillingdon	4058/APP/2015/4041	Formation of 48 additional parking spaces on land adjoining the main car park at Hillingdon Hospital and associated highway, access and landscaping works	Approved 1st July 2016	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=4058/APP/2015/4041&module=pl	Site area over 1ha therefore EIA Schedule 2 development
268	London Borough of Hillingdon	UNIT A, BULLS BRIDGE CENTRE NORTH HYDE GARDENS HAYES	13226/APP/2015/4623	Installation of mezzanine floors to provide an additional 4350m2 of additional floorspace, demolition of ancillary structures and replacement with a car wash apparatus, triage shed and ancillary portable cabins.	13226/APP/2015/4623	https://modgov.hillingdon.gov.uk/documents/s32675/Unit%20A%20Bulls%20Bridge%20Centre%20-%20Final%20Report.pdf	Industrial estate development greater than 0.5 ha
269	London Borough of Hillingdon	UNIT 2, TRINITY TRADING ESTATE SILVERDALE ROAD HAYES	70738/APP/2015/4688	Change of use of an existing storage depot (Class B8 Storage and Distribution into a waste transfer station (Sui Generis Waste Handling).	Approved 8th September 2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70738/APP/2015/4688&from=planningSearch	Industrial estate development greater than 0.5ha
270	London Borough of Hillingdon	IAG CARCO CAMPUS SEALAND ROAD HEATHROW AIRPORT TW6 3FD	50045/APP/2016/2081	Erection of a new 11,520 sq.m (GIA) cargo handling facility (B8 use), ancillary buildings totalling 330 sq.m and associated works including changes to site access and reconfiguration of landside and airside parking.	Approved 31st March 2017	http://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=50045/APP/2016/2081&module=pl	Urban development over 1ha
271	London Borough of Hillingdon	COUNCIL CAR PARK ON CENTRAL AVENUE AND FORMER HAYES SWIMMING POOL	1942/APP/2015/4127	Construction of an A1 discount food store with associated car parking and landscaping, re-configuration and resurfacing of Council car park with new site access/exit	Approved 10th February 2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1942/APP/2015/4127&from=planningSearch	Site bigger than 1 ha, 2,741sqm GIA food store

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
		BOTWELL LANE HAYES					
272	London Borough of Hillingdon	COUNCIL CAR PARK ON CENTRAL AVENUE AND FORMER HAYES SWIMMING POOL BOTWELL LANE HAYES	1942/APP/2013/3565	Construction of an A1 discount food store with associated car parking and landscaping		http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1942/APP/2013/3565&from=planningSearch	2,085 sq.m A1 retail
273	London Borough of Hillingdon	Silverdale Industrial Estate	71374/APP/2016/4027	Demolition of existing buildings and redevelopment of the site to provide a podium at ground level and buildings ranging from four storeys to nine storeys, comprising 124 residential units (Use Class C3) and 227 sqm of flexible commercial space (Use Classes A1, A3, B1, D1 or D2), together with associated car parking, vehicular access, landscaping, infrastructure works and the extension of Shackles Dock.	Approved subject to S106	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=71374/APP/2016/4027&from=planningSearch	Industrial Estate development project over 0.5ha, Demolition of existing buildings and construction of 128 residential units and 227 sqm commercial floorspace
274	London Borough of Hillingdon	LAND REAR OF 2-24 HORTON ROAD YIEWSLEY	71582/APP/2016/4582	Demolition of existing buildings and redevelopment to provide 86 residential units in three buildings of 4-6 storeys with private balconies together with one three-bed dwelling, Class A1/A2 or A3 unit, associated car parking at basement and surface level, cycle parking, communal amenity areas, landscaping, improved access and relocated sub-station.	Approved 1st September 2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=71582/APP/2016/4582&module=pl	Industrial Estate development project over 0.5ha, 87 residential units proposed
275	London Borough of Hillingdon	FORMER ANGLERS RETREAT PH CRICKETFIELD ROAD WEST DRAYTON	11981/APP/2016/4626	Demolition of existing former public house building and erection of a two storey building comprising of two residential flats, car and cycle parking and associated works.	Approved 15th November 2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=11981/APP/2016/4626&from=planningSearch	Major development in the green belt
276	London Borough of Hillingdon	HILLINGDON CYCLE CIRCUIT, MINET COUNTRY PARK SPRINGFIELD ROAD HAYES	49962/APP/2017/1802	Construction of a 250m banked cycle circuit, including access subway and associated landscaping	Approved 15th September 2017	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=49962/APP/2017/1802&module=pl	Major development in the green belt

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
277	London Borough of Hillingdon	SOUTHALL WATERSIDE HAYES BY PASS HAYES	54814/APP/2017/2103	Re-configuration and excavation of the dredging lagoon; installation of a new bund; the removal of the central spine including associated works.	Approved 02/11/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=54814/APP/2017/2103&from=planningSearch	Green belt development and possible EIA schedule 2
278	London Borough of Hillingdon	ARMSTRONG HOUSE MARKET SQUARE UXBRIDGE	36573/APP/2017/3389	Prior Approval Application for the change of use from office accommodation (Use Class B1a) to 132 residential units	Approved 03/11/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=36573/APP/2017/3389&from=planningSearch	One of 3 separate applications for the site
279	London Borough of Hillingdon	ARMSTRONG HOUSE MARKET SQUARE UXBRIDGE	36573/APP/2017/3390	Prior Approval Application for the change of use from office accommodation (Use Class B1a) to 90 residential units	Approved 03/11/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=36573/APP/2017/3390&from=planningSearch	See above.
280	London Borough of Hillingdon	ARMSTRONG HOUSE MARKET SQUARE UXBRIDGE	36573/APP/2017/3391	Prior approval for the conversion of part of the existing office building known as Armstrong House to provide 103 individual one bedroom residential units.	Approved 03/11/2017	https://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=36573/APP/2017/3391&from=planningSearch	See above.
281	London Borough of Hillingdon	GLAZE HOUSE BEACONSFIELD ROAD HAYES	21940/APP/2017/3965	Change of use from Class B8 storage and distribution warehouse to flexible Class B1c, B2, B8 use.	Approved 12th January 2018	https://planning.hillingdon.gov.uk/OcellaWeb/showDocuments?reference=21940/APP/2017/3965&module=pl	Industrial estate development project greater than 0.5 ha, 4,167 sq.m floorspace
Three Rivers District Council							
282	Three Rivers District Council	Pynesfield, off Tilehouse Lane, Maple Cross, Rickmansworth,	8/1254-15	Application for mineral extraction, processing and importation of sand and gravel and reclamation materials for Denham Park Farm with restoration to agriculture and a small wetland area	Allowed at appeal 1st August 2016	cloud1.atriumsoft.com/HCCePlanningOPS/tabPage1.jsp?apId=24171	17ha site
283	Three Rivers District Council	Maple Lodge Sewage Works Maple Lodge Close Maple Cross Rickmansworth Hertfordshire WD3 9SQ	14/1621/HSC	Hazardous Substances Consent: Storage of Fuel oil (up to 148.75 tonnes) and Sludge gas (up to 9.64 tonnes)	Approved 23rd February 2015	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=NANBJIQF05K00	Green belt development and EIA schedule 2 development

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
284	Three Rivers District Council	Witney Place Denham Way Maple Cross Hertfordshire	13/1483/FUL	Variation of Conditions 16 and 22 of planning permission 07/1401/FUL (amended under 11/2313/NMA to include Condition 22 - plan numbers) for a four storey hotel building to allow: Changes to internal layout including provision of 15 additional bedrooms, changes to function and meeting rooms, health club, restaurant and bar areas and new mezzanine level; minor change to footprint of building; relocation of plant on roof; minor alterations to car park, landscaping and external areas (Minor Material Amendment)	Approved 7th November 2013	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=MR7AARQF6W000	Potential EIA Schedule 2 development
285	Three Rivers District Council	Unit 10 Woodcock Hill Industrial Estate Harefield Road Rickmansworth Hertfordshire WD3 1PQ	15/1918/FUL	Rear extension to industrial unit	Approved 16th December 2015	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=NUWVVRQF6W000	Industrial estate project over 0.5ha, Extension to industrial unit by 223 sq.m
286	Three Rivers District Council	Former British Gas Transco Wharf Lane Rickmansworth Hertfordshire	16/1398/FUL	Construction of 48 residential apartments with car parking, open space, landscaping and associated works	Approved 14th September 2016	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=O9OE5GQF6W000	Potential industrial estate development project over 0.5ha
287	Three Rivers District Council	Former British Gas Transco Wharf Lane Rickmansworth Hertfordshire	16/2673/FUL	Variation of Conditions 2 (Approved Plans), 7 (Vehicular Access) and 8 (Access and Parking) of planning permission 16/1398/FUL to amend undercroft car parking layout, include single storey cycle/plant building and increase the height of approved buildings	Approved 9th May 2017	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=OIBKYHQFFMM00	
288	Three Rivers District Council	Proposed Development Site At Long Lane Mill	16/1523/FUL	Construction of a new secondary school incorporating construction of a two storey academic building sports hall field bund car parking and roundabout to facilitate access	Approved 21st December 2016	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=OAJVKCQF6W000	Potential urban development project EIA Schedule 2 development
289	Three Rivers District Council	Church Wharf Church Street Rickmansworth Hertfordshire WD3 1JB	17/0192/FUL	Demolition of existing buildings and erection of a single storey industrial building to provide builders' merchant (sui generis) including plant and tool hire and outside display and storage (including racking system); erection of a part three, part four storey 92 bed hotel (Class C1); associated alterations to car parking; closure of existing access and construction of new access to roundabout; installation of electricity sub-station; refuse storage area for boaters; and associated landscaping, means of enclosure and associated works	Approved 30th May 2017	http://www3.threerivers.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=OKN81IQFFXX00	Industrial Estate development over 0.5ha, 4,680 sq.m gross new floorspace proposed

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
Runnymede Borough Council							
290	Runnymede Borough Council	Land fronting The Glanty including Land North and South of Lovett Road Staines, Middlesex, TW209AH	RU.15/1933	Erection of a 5 storey office (B1) building with roof top plant area and multi-level car park on the eastern side with access off Lovett Road and creation of new access linked to The Glanty and associated landscaping works. (Revised Plans and Description received 17/02/16)	Approved subject to S106 13/05/2016	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=202351&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	5 storey office building and car park building, 12,883 sq.m office and retail space, 427 parking spaces
291	Runnymede Borough Council	Royal Holloway University Of London Egham Hill Englefield Green Surrey TW20 0EX	RU.14/0099 Various RMAs submitted under this permission	Outline planning application for the university's masterplan for development up to 2031. Demolition of selected existing buildings and construction of an additional 55,000sqm (net) academic and operational buildings, an additional 71,128sqm (net) student accommodation (c.2,650 bedspaces), alterations to Egham Hill to provide a new vehicular access, alterations to Highfield Road/Harvest Road/Egham Hill junctions to provide amended vehicular access, new car parks, sports facilities and associated hard and soft landscaping. (Revision to Masterplan illustrative layout plan) (amended proposal increasing car parking provision).	Approved 7th April 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=187116&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	Construction of an additional 55,000 sq.m (net) academic buildings, Construction of an additional 71,128 sq.m (net) student accommodation

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
292	Runnymede Borough Council	Royal Holloway University Of London Egham Hill Englefield Green Surrey TW20 0EX	RU.14/0007	Installation of artificial sports pitches at Nobles Field with associated fencing, floodlights and car parking; new artificial courts, MUGA, and regrade and improve grass sports pitches at Eastfield using transfer of excavated material from Nobles Field.		http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=186760&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	Installation of various sports pitches
293	Runnymede Borough Council	Royal Holloway University Of London Egham Hill Englefield Green Surrey TW20 0EX	RU.15/0187	Demolition of 'Crossland's bungalow', college shop, laundry and bank buildings and the construction of a new Library building, including reinstatement/ alterations to the landscaped area between the new building and Founder's, including the removal of two L shaped stone steps	Approved 2nd June 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=192743&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	Building 11,119 sq.m

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
294	Runnymede Borough Council	TAMESIS 1 The Glanty Egham Surrey	RU.14/1699	Demolition of the existing office building and external plant rooms and the redevelopment of the site for a five storey office building (Use Class B1) with ancillary floorspace, comprising 12,131 sqm GEA floorspace with roof top plant area, together with provision of a decked car parking structure to the rear of the site comprising 4,480 sqm GEA floorspace, cycle parking, servicing area, substation and bin storage, landscaping, and minor works to access and egress point for the site	Approved 20th March 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=191682&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	Construction of 12,131 sq.m GEA B1 floorspace and 4,480 sq.m Car Park
295	Runnymede Borough Council	Thorpe Park, Staines Road, Chertsey, Surrey, KT16 0PN	RU.14/0053	Approval for the reserved matters of the proposed round ride (dodgems and associated entrance features) including details of access, appearance, landscaping, layout scale and external materials and discharge of conditions 1 (timescale), 2 (materials), 8 (no advertisements), 9 (surface water scheme), 10 (up-dated compensation table), 12 (buffer zones), 13 (flood flow or proofing), 18 (landscaping) and 19 (method of construction statement) of outline planning permission ru.10/0579 in respect of this ride.	Approved 3rd April 2014	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=186762&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	EIA Schedule 2 development

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
296	Runnymede Borough Council	Thorpe Park, Staines Road, Chertsey, Surrey, KT16 0PN	RU.16/0135	Reserved matters application for the installation of containers to form a new small scale attraction and associated back of house facilities pursuant to Outline planning permission ref RU.10/0579 granted for Medium Term Development Plan for period 2010-2016 for installation of 5no. round rides (each not to exceed a static height of 25m); up to two roller coasters (one not to exceed a maximum height of 40m and one not to exceed a maximum height of 50m); and buildings (floorspace up to 5,000sqm) and general park improvements including provision of recycling facilities, new island bridge links, supplementary car park lighting, upgrade works to the theme park admissions are and re-alignment of developable zone (known as Pink Zone)	Approved 21st March 2016	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=204628&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	
297	Runnymede Borough Council	Thorpe Park, Staines Road, Chertsey, Surrey, KT16 0PN	RU.14/1596	Application for the erection of a building to fully house an indoor themed attraction to comprise the new '2016 Attraction' at Thorpe Park	Approved 9th January 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=191129&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	Major green belt development

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
298	Runnymede Borough Council	Meadlake Place Thorpe Lea Road Egham Surrey TW20 8HE	RU.15/0428	Demolition of existing office building and erection of a replacement office building and creation of 39 additional car and 38 cycle parking spaces. (Revised plans received 25/06/15 to show overall increase in height of 200mm).	Approved 14th August 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=193346&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	
299	Runnymede Borough Council	Three Stars Industrial Estate, Ten Acre Lane, Egham, Surrey	RU.15/0652	Erection of three buildings subdivided into twelve units for employment uses B1(c), B2 & B8 including associated roads, parking, service areas and landscaping	Approved 6th August 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=194263&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	gross floor space of 10,383 sq.m. Industrial estate development over 0.5 ha

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
300	Runnymede Borough Council	Bell Weir Riverside Egham Surrey TW20 0AA	RU.14/1595	Proposed erection of a hydro power scheme consisting of three archimedes' screws and associated infrastructure at Bell Weir.	Approved 17th September 2015	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=191245&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	
301	Runnymede Borough Council	Meadlake Thorpe Lea Road Egham TW20 8HE	RU.16/0397	Associated alterations to the existing building including creation of a third storey, roof plant, 3 storey extension to the front, raising of ground floor and provision of voids and new disabled access ramp and glazing in order to modernise and upgrade the existing building. Creation of 39 additional car and 38 cycle parking spaces.	Approved 14th July 2016	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=205207&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	EIA Schedule 2 development – urban development project over 1ha

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
302	Runnymede Borough Council	31 The Causeway	RU.16/0926	Erection of four storey office building (including plant and machinery), car parking, landscaping and associated site infrastructure and related works	Approved subject to S106 13th June 2017	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=209546&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	18,132 sq.m B1 office floorspace proposed with parking
303	Runnymede Borough Council	Land to the East of Hawthorne Road Staines-Upon-Thames Surrey TW18 3BP	RU.16/1806	Demolition of existing buildings and 2no. dwellings; erection of 2no. industrial/distribution buildings comprising a mix of commercial uses and 1 commercial unit. Unit 1 (Class A1 sandwich shop), Unit 2 (Class A1 bulky goods retail warehouse), Units 3-6 (Class B1(c) and B8 with trade counters and ancillary showrooms, and sui generis tile merchants) and Unit 7 (sui generis builders' merchant for the display, sale, storage of building, timber and plumbing supplies, plant and tool hire including outside display and storage); access and servicing arrangements, car parking, landscaping, relocation of existing substation and associated works	Approved 20th April 2017	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20On-Line&TYPE=PL/PlanningPK.xml&PARAM0=216066&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xml&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menu/PL.xml&DAURI=PLANNING	Industrial estate development over 0.5ha, 5,936 sq.m Gross new internal floorspace

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
304	Runnymede Borough Council	Egham Leisure Centre, Vicarage Road, Egham, TW20 8NL	RU.17/0488	Demolition of existing leisure centre and erection of replacement leisure centre (Use Class D2); with 1no. outdoor synthetic sports pitch with associated fencing and lighting columns; new service access off Vicarage Road; alterations to the existing car park including overflow area; landscaping and public realm works; installation of a substation; and associated works	Approved 19th June 2017	http://planning.runnymede.gov.uk/Northgate/PlanningExplorer/Generic/StdDetails.aspx?PT=Planning%20Applications%20Online&TYPE=PL/PlanningPK.xml&PARAM0=222607&XSLT=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/xslt/PL/PLDetails.xslt&FT=Planning%20Application%20Details&PUBLIC=Y&XMLSIDE=/Northgate/PlanningExplorer/SiteFiles/Skins/Runnymede_AA/Menus/PL.xml&DAURI=PLANNING	6.6ha site. 6,132 sq.m new GEA floorspace
305	Runnymede Borough Council	Norlands Lane Landfill Site Norlands Lane Egham Surrey	SCC Ref 2015/0127 SCC Ref 2016/0009	Infill of haul road with inert waste with restoration to agriculture Retention of existing landfill gas compound including a gas processing plant, two gas electric generators, two lubrication oil storage tanks, two transfer and ringman units, an environmental control facility, a substation, waste and lubrication oil tanks, a workshop container including store room and electric meter housing, a workshop and a compressor; access road and associated landscaping until 31 December 2030; and the infill of the existing leachate pond	Approved 20th October 2015 Approved 18th April 2016	https://planning.surreycc.gov.uk/plannappdisp.aspx?AppNo=SCC%20Ref%202015/0127 https://planning.surreycc.gov.uk/plannappdisp.aspx?AppNo=SCC%20Ref%202016/0009	
Chiltern District Council							
306	Chiltern District Council	Newland Park Gorelands Lane Chalfont St Giles Buckinghamshire HP8 4AB	CH/2014/1964 /FA	Redevelopment of site to provide 309 dwellings (Use Class C3), including new build, conversion of existing student housing blocks, Grade II listed manor house and associated buildings, erection of new fitness centre, sports facilities building (Use Class D1), sports pitches and associated landscaping	Approved 29/07/2016	https://isa.chiltern.gov.uk/online-applications/applicationDetails.do?activeTab=summary&keyVal=NEIU4ES0IF00	309 residential units
307	Chiltern District Council	Chiltern Hills Golf Course Green Street Chorleywood Hertfordshire	CH/2017/2292 /FA	Erection of golf clubhouse including staff accommodation, with associated hardstanding for car park	Validated 18th December 2017	https://isa.chiltern.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=P0YASVESHLT00	Major green belt development

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
308	Chiltern District Council	Three Oaks Farm Roberts Lane Chalfont St Peter Buckinghamshire	CH/2016/0310 /FA	Change of use of land to form extension of existing residential (gypsy) caravan site to provide an additional 10 gypsy carvan pitches including associated hardstanding	Validated 26th April 2016	https://isa.chiltern.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=O2YIJ0ES0GC00	Major green belt development
Elmbridge Borough Council							
309	Elmbridge Borough Council	Land East of Weylands House Molesey Road and South of Field Common Lane	2016/2217	Outline application for the development of a new garden village comprising up to 1,024 new residential units, community based hub and parkland, primary school, medical centre, dentists and pharmacy, local supermarket, pub/restaurant, offices, parking, nature conservation and water features, recreation, landscaping and associated facilities following demolition of existing structures (for access only)	Appeal lodged 12/05/2017	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=%272016/2217%27&history=ebbf4cd351194e4dbd392c2db6aa0f3c&appno:PARAM=2016/2217&address:PARAM=Land%20East%20of%20Weylands%20House%20Molesey%20Road%20and%20South%20of%20Field%20Common%20Lane&easting:PARAM=512718&northing:PARAM=166173	1024 new homes, community hub, new public park, formal recreation facilities
310	Elmbridge Borough Council	Land at former John Nightingale School site, Hurst Road, West Molesey, Surrey KT8 1QS	2013/0221	Erection of new single, one and a half and two storey Hurst Park primary school (420 places) and nursery (30 places) together with provision of 26 parking spaces, and cycle and scooter parking; access off Hurst Road; laying out of outdoor learning and play areas and sports pitches; landscape planting and ecological habitats.	Approved 27th August 2014	https://planning.surreycc.gov.uk/plannappdisp.aspx?AppNo=SCC%20Ref%202013/0221	non-residential development over 1ha

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
311	Elmbridge Borough Council	Unit D7, Sandown Industrial Park, Mill Road, Esher, Surrey, KT10 8BL	2013/4911	Removal of conditions 1 & 2 of planning permission 1995/0454 (Use of existing industrial and temporary storage units to allow each unit to be used individually either for storage/distribution - Class B8 or business/industrial - Classes B1 and B2) to allow the internal walls separating the individual units to be removed or materially altered in order to attract a broader range of businesses	Approved 04/02/2014	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272013/4911%27&history=6b8c4949689a4485aaae3e1255f33c71&appno:PARAM=2013/4911&address:PARAM=Unit%20D7,%20Sandown%20Industrial%20Park,%20%20Mill%20Road,%20Esher,%20Surrey,%20KT10%208BL&easting:PARAM=513082&northing:PARAM=165947	Industrial site over 0.5 ha
312	Elmbridge Borough Council	Sandown Industrial Park, Mill Road, Esher, Surrey, KT10 8BL	2016/2532	Variation of Conditions 3 (Opening Hours) and 4 (Vehicles Accessing Site) of planning permission 2002/2413 (Change of use) to extend the opening hours and omit restrictions on the size of vehicles entering the site	Approved 23/11/2016	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272016/2532%27&history=667cafe788f34ad49bd12438ac49b913&appno:PARAM=2016/2532&address:PARAM=Sandown%20Industrial%20Park,%20%20Mill%20Road,%20Esher,%20Surrey,%20KT10%208BL&easting:PARAM=513185&northing:PARAM=165841	Industrial site over 0.5 ha

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
313	Elmbridge Borough Council	26-28 Central Avenue West Molesey Surrey KT8 2QT	2015/3222	Change of use from B2 (General Industrial) to use as Coach Depot with detached two storey building (1,108 sqm)	Approved	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272015/3222%27&history=c883067fe3fd4899ba807a909d534ca9&appno:PARAM=2015/3222&address:PARAM=26-28%20Central%20Avenue%20West%20Molesey%20Surrey%20KT8%202QT&easting:PARAM=512879&northing:PARAM=167845	Industrial site over 0.5 ha
314	Elmbridge Borough Council	Elmbridge Sports Hub Waterside Drive Walton-On-Thames Surrey KT12 2JP	2016/3371	Development comprising new football and athletics stadium with spectator seating and detached two-storey building incorporating changing facilities, storage, function and club rooms; ancillary spectator shelter, floodlighting, car park lighting, football and sports pitches, new car park and access road, hard and soft landscaping, dog walking area, play equipment, gas vents and new electric substation following demolition of existing football club and facilities	Approved 26th April 2017	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parseTemplate&template=PlanningPlansAndDocsTab.templt&Filter=^APPLICATION_NUMBER^=%272016/3371%27&appno:PARAM=2016/3371&address:PARAM=Elmbridge%20Sports%20Hub%20Waterside%20Drive%20Walton-On-Thames%20Surrey%20KT12%202JP&northing:PARAM=167393&easting:PARAM=510942	Major green belt development

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
315	Elmbridge Borough Council	Elmbridge Sports Hub Waterside Drive Walton-On-Thames Surrey KT12 2JP	2015/0949	Development comprising new football and athletics stadium with spectator seating and detached two storey building incorporating changing facilities, storage, function and club rooms; floodlighting, additional football and sports pitches, new car park and access road, hard & soft landscaping, dog walking area, playground and new electric substation following demolition of existing football club and facilities.	Approved 26th January 2016	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.tmp&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272015/0949%27&history=db071a4bfe74c08bb7a2ee37cd305d2&appno:PARAM=2015/0949&address:PARAM=Elmbridge%20Sports%20Hub%20Waterside%20Drive%20Walton-On-Thames%20Surrey%20KT12%20JP&easting:PARAM=510942&northing:PARAM=167393	Major green belt development
316	Elmbridge Borough Council	Apps Court Farm Hurst Road Walton-On-Thames Surrey KT12 2EG	2015/3654	Off road race track including the siting of 2 shipping containers for ancillary storage, changing/reception area and 2 temporary toilets	Approved 5th May 2016	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parseTemplate&template=PlanningPlansAndDocsTab.tmp&Filter=^APPLICATION_NUMBER^=%272015/3654%27&appno:PARAM=2015/3654&address:PARAM=Apps%20Court%20Farm%20Hurst%20Road%20Walton-On-Thames%20Surrey%20KT12%20EG&northing:PARAM=168122&easting:PARAM=511578	>1.0 ha non-residential development (1.4ha)

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
317	Elmbridge Borough Council	Rivernook Farm, Sunnyside, Walton-on-thames, Surrey, KT12 2ET	2015/4378	Outline planning application (means of access only to be determined at this time) for a development comprising up to 83 residential units [a mix of 2, 3 and 4 bedroom houses and 2 bedroom maisonettes (including 34 affordable housing units)] and provision of 5.2 ha of public open space following the demolition of existing buildings (4,248sqm) and removal of existing storage containers and green houses.	Approved 1st August 2016	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272015/4378%27&history=0aa0c879ba904e63af1f77d77ad77fe9&appno:PARAM=2015/4378&address:PARAM=Rivernook%20Farm,%20%20Sunnyside,%20Walton-on-thames,%20Surrey,%20KT12%202ET&eastng:PARAM=511158&northing:PARAM=167729	83 residential units and 5.2ha open space
318	Elmbridge Borough Council	Rivernook Farm, Sunnyside, Walton-on-thames, Surrey, KT12 2ET	2017/2258	Development comprising 97 residential units (79 houses and 18 flats) with associated garaging, landscape and amenity area following demolition of existing buildings	Approved 9th January 2018	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272017/2258%27&history=d3c04fcd266c48db8869f4892b6f34fd&appno:PARAM=2017/2258&address:PARAM=Rivernook%20Farm,%20%20Sunnyside,%20Walton-on-thames,%20Surrey,%20KT12%202ET&eastng:PARAM=511158&northing:PARAM=167729	97 residential units and 5.2ha open space

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
319	Elmbridge Borough Council	Site Of Imber Court Trading Estate, Orchard Lane, East Molesey, Surrey, KT8 0BY	2015/3400	Outline planning application (means of access only to be determined at this time) for development comprising up to 95 residential units including 38 affordable units following demolition of existing industrial buildings (16,618 sqm)	Approved 16th December 2015	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272015/3400%27&history=08432d516bfa495a8ca19a915ca96d13&appno:PARAM=2015/3400&address:PARAM=Site%20Of%20Imber%20Court%20Trading%20Estate,%20%20Orchard%20Lane,%20East%20Molesey,%20Surrey,%20KT8%200BY&easting:PARAM=514745&northing:PARAM=167254	Industrial estate development over 0.5 ha
320	Elmbridge Borough Council	26-28 Central Avenue, West Molesey, Surrey, KT8 2QZ	2015/3222	Change of use from B2 (General Industrial) to use as Coach Depot with detached two storey building (1,108 sqm)	Approved 2nd December 2015	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272015/3222%27&history=2bc5dcccdf2242cdace097a90e32f403&appno:PARAM=2015/3222&address:PARAM=26-28%20Central%20Avenue,%20West%20Molesey,%20Surrey,%20KT8%202QZ&easting:PARAM=512879&northing:PARAM=167845	Industrial estate development over 0.5ha

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
321	Elmbridge Borough Council	Esher Rugby Football Club, 369 Molesey Road, Walton-on-thames, Surrey, KT12 3PF	2014/2443	New spectator stand and leisure facility incorporating reception area, changing rooms, gym, studio, function room and ancillary facilities together with alterations to car parking layout following demolition of existing spectator stand	Approved 16th February 2015	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parsetemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272014/2443%27&history=d959829eeeb948efb62875eecd334af&appno:PARAM=2014/2443&address:PARAM=Esher%20Rugby%20Football%20Club,%20369%20Molesey%20Road,%20Walton-on-thames,%20Surrey,%20KT12%203PF&easting:PARAM=512174&northing:PARAM=165780	Major green belt development

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
322	Elmbridge Borough Council	Xcel Sports Hub, Waterside Drive, Walton-on-thames, Surrey, KT12 2JP	2015/0949	Development comprising new football and athletics stadium with spectator seating and detached two storey building incorporating changing facilities, storage, function and club rooms; floodlighting, additional football and sports pitches, new car park and access road, hard & soft landscaping, dog walking area, playground and new electric substation following demolition of existing football club and facilities.	Approved 21st January 2016	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parseTemplate&template=PlanningDetailsTab.templt&basepage=ebc_planning.aspx&Filter=^APPLICATION_NUMBER^=%272015/0949%27&history=f07565f87e6d4f29ae2247b4a56e435e&appno:PARAM=2015/0949&address:PARAM=Xcel%20Sports%20Hub,%20%20Waterside%20Drive,%20Walton-on-thames,%20Surrey,%20KT12%20JP&easting:PARAM=510942&northing:PARAM=167393	>1 ha non-residential urban development project.
323	Elmbridge Borough Council	Xcel Sports Hub, Waterside Drive, Walton-on-thames, Surrey, KT12 2JP	2016/3371	Development comprising new football and athletics stadium with spectator seating and detached two-storey building incorporating changing facilities, storage, function and club rooms; ancillary spectator shelter, floodlighting, car park lighting, football and sports pitches, new car park and access road, hard and soft landscaping, dog walking area, play equipment, gas vents and new electric substation following demolition of existing football club and facilities	Approved 26TH April 2014	http://emaps.elmbridge.gov.uk/ebc_planning.aspx?requesttype=parseTemplate&template=PlanningDetailsTab.templt&Filter=^APPLICATION_NUMBER^=%272016/3371%27&appno:PARAM=2016/3371&address:PARAM=Elmbridge%20Sports%20Hub%20Waterside%20Drive%20Walton-On-Thames%20Surrey%20KT12%20JP&northing:PARAM=167393&easting:PARAM=510942	>1 ha non-residential urban development project.

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Table 3.4.3 Tier 1 developments within 1km of the Project boundary

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1	London Borough of Hillingdon	32 Craneswater Harlington Middlesex	58381/APP/2013/35	Single storey side/rear extension, involving demolition of existing attached garage and store to side	Approved	08/01/2013	
2	London Borough of Hillingdon	100 Cranford Lane, Harlington	19163/APP/2013/208	First floor rear extension involving alterations to rear elevation (Resubmission).	Approved	28/01/2013	
3	London Borough of Hillingdon	57 Summerhouse Lane, Harmondsworth	10027/APP/2013/406	Two storey side and single storey rear extension and installation of bay window to front	Approved	19/02/2013	
4	London Borough of Hillingdon	71 Pinglestone Close, Harmondsworth	44293/APP/2013/439	Conversion of roof space to habitable use to include a rear dormer, 2 front rooflights and conversion of roof from hip to gable end with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	22/02/2013	
5	London Borough of Hillingdon	Eastern Maintenance Base Cranford Lane Heathrow	50462/APP/2013/589	Installation of lighting to the entrance of the building (Application for Listed Building Consent).	Approved	08/03/2013	
6	London Borough of Hillingdon	17 Bomer Close Sipson	61693/APP/2013/636	Porch to front involving part demolition of existing porch (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	12/03/2013	
7	London Borough of Hillingdon	Land at Moorbridge Farm and Bedfont Court Estate, West of Stanwell Moor Road, Longford	69073/APP/2013/637	Use of land for the extraction of sand and gravel, filling with inert waste and restoration to agriculture including associated works. (Application for a Certificate of Appropriate Alternative Development under Section 17 of the Land Compensation Act 1961, as amended)	Approved	14/03/2013	
8	London Borough of Hillingdon	385 High Street Harlington	57198/APP/2013/891	Single storey rear extension, alterations to roof over existing single storey front/side elevation and alterations to front door, involving demolition of existing rear conservatory (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	10/04/2013	
9	London Borough of Hillingdon	King William IV P.H. Sipson Road, Sipson	6928/APP/2013/929	Installation of an externally illuminated individual letter sign, a fascia sign and a number of wall mounted non-illuminated signs(Application for Listed Building Consent).	Approved	15/04/2013	
10	London Borough of Hillingdon	342-344 Bath Road , Harmondsworth, UB7 0DE	69138/APP/2013/940	Conversion of 2 x two storey semi-detached dwellings to 4 x 2-bed self contained flats with associated amenity space involving single storey rear extension and conversion of roof space to habitable use to include 2 rear dormers, 6 front rooflights and 2 new gable end windows	Approved	15/04/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
11	London Borough of Hillingdon	7 Oxford Avenue, Harlington	51288/APP/2013/937	Conversion of roof space to habitable use to include a rear dormer with Juliette balcony, 3 front rooflights and conversion of roof from hip to gable end with a new gable end window and single storey detached outbuilding to rear for use as a gym/storage (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	15/04/2013	
12	London Borough of Hillingdon	Terminal Four Heathrow Airport Hounslow	24177/APP/2013/970	Removal of existing mezzanine office level within the 'Spelthorne Suite' Terminal 4 to provide additional baggage reclaim hall space. The new Baggage Handling System beneath Terminal 4 departures ramp to consist of 2 baggage feeder lines, a baggage off-load dock for 2 tug and dolly capacity and an open ended metal panel and steel frame screen and canopy to baggage offload dock involving a new airside/landside boundary between arrivals level and underside of departures ramp and new fence and air handling units at departures level.	Approved	17/04/2013	
13	London Borough of Hillingdon	Status Park 3 Nobel Drive, Harlington UB35EY	69183/APP/2013/1226	Installation of revolving entrance door and access ramp to front	Approved	13/05/2013	
14	London Borough of Hillingdon	British Airways World Cargo Centre, Southampton Road, Heathrow Airport	50045/APP/2013/1248	Temporary planning permission for Single Storey Portal frame Structure forming a controlled temperature facility for British Airways linked via a mechanical truck dock to the Existing Facility.	Approved	15/05/2013	
15	London Borough of Hillingdon	Northern Runway Heathrow Airport, Hounslow	41573/APP/2013/1288	Enabling works to allow implementation of full runway alternation during easterly operations at Heathrow Airport including the creation of a new 'hold area' at the western end of the northern runway, the construction of new access and exit taxiways, and the construction of a 5 metre high acoustic noise barrier to the south of Longford Village.	Approved	17/05/2013	
16	London Borough of Hillingdon	58 Hatch Lane Harmondsworth	40163/APP/2013/1279	Installation of vehicular crossover and hardstanding to front	Approved	17/05/2013	
17	London Borough of Hillingdon	494 Sipson Road, Sipson	43975/APP/2013/1312	Single storey rear extension	Approved	21/05/2013	
18	London Borough of Hillingdon	46 Hatch Lane, Harmondsworth, UB70AZ	69204/APP/2013/1336	Installation of vehicular crossover	Approved	22/05/2013	
19	London Borough of Hillingdon	11 Langley Crescent, Harlington	18391/APP/2013/1346	Single storey detached outbuilding to rear for use as a gym/playroom	Approved	23/05/2013	
20	London Borough of Hillingdon	Terminals 3 and 4 Heathrow Airport Hounslow	69220/APP/2013/1415	New I(PRM) Lifts at Terminals 3 and 4 (Consultation under Part 18 of Schedule 2 of the Town and Country Planning (General Permitted Development) Order 1995)	Approved	28/05/2013	
21	London Borough of Hillingdon	Apron, BA East Base, Vanguard Way Heathrow Airport	50462/APP/2013/1403	Temporary planning permission for the erection of single storey shed	Approved	29/05/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
22	London Borough of Hillingdon	Great Harmondsworth Barn (Adjacent to Manor Court) High Street, Harmondsworth	27256/APP/2013/1445	Reinstatement of historic eaves overhang, repairs to timber frame structure of barn, re-roofing (using new handmade clay peg tiles and salvaged tiles from barn), replacement of softwood battens with oak battens, repairs to external timber cladding, replacement of some boarding with new matching oak boarding, reinstating historic vertical boarding, removal of 20th century boarding on south elevation and reinstatement of historic south elevation including the insertion of high level doors and repairs to historic threshing floor and new internal lighting scheme. (Listed Building Consent)	Approved	31/05/2013	
23	London Borough of Hillingdon	Great Harmondsworth Barn (Adjacent to Manor Court) High Street, Harmondsworth	27256/APP/2013/1444	Reinstatement of historic eaves overhang, repairs to timber frame structure of barn, re-roofing (using new handmade clay peg tiles and salvaged tiles from barn), replacement of softwood battens with oak battens, repairs to external timber cladding, replacement of some boarding with new matching oak boarding, reinstating historic vertical boarding, removal of 20th century boarding on south elevation and reinstatement of historic south elevation including the insertion of high level doors and repairs to historic threshing floor and new internal lighting scheme	Approved	31/05/2013	
24	London Borough of Hillingdon	88 Hatch Lane, Harmondsworth	14955/APP/2013/1587	Installation of vehicular crossover to front	Approved	11/06/2013	
25	London Borough of Hillingdon	Former Royal British Legion Club, Sipson Road, Sipson, UB70JD	829/APP/2013/1618	The redevelopment of the existing vacant club/pub site at 560 Sipson Road to accommodate a new 4 storey 54 room hotel with associated parking and landscaping.	Approved	14/06/2013	
26	London Borough of Hillingdon	56 Hatch Lane, Harmondsworth	31490/APP/2013/1615	Installation of vehicular crossover and hardstanding to front	Approved	14/06/2013	
27	London Borough of Hillingdon	106 West End Lane, Harlington UB35LY	68808/APP/2013/1640	Part two storey, part single storey side/rear extension	Approved	17/06/2013	
28	London Borough of Hillingdon	54 Hatch Lane, Harmondsworth, UB70AX	69269/APP/2013/1678	Installation of vehicular crossover and hardstanding to front	Approved	20/06/2013	
29	London Borough of Hillingdon	Pier 5, Terminal 3 Heathrow Airport, Hounslow	27277/APP/2013/1713	Extension to the existing room gate 40 located on Pier 5 of Terminal 3 and a new single storey fixed link between the gate room and air bridges (Consultation under Schedule 2, Part 18 of the Town and Country Planning (General Permitted Development) Order 1995) (as amended.)	Approved	21/06/2013	
30	London Borough of Hillingdon	T3IB Building Heathrow Airport Hounslow	27277/APP/2013/1710	New transfer baggage off loading facility involving raising the height to a section of an existing building within Terminal 3 located on an airside elevation of the terminal building (Consultation under Schedule 2, Part 18 of the Town and Country Planning (General Permitted Development) Order 1995 - as amended)	Approved	21/06/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
31	London Borough of Hillingdon	Snowbase Eastern Perimeter Road, Heathrow Airport	45151/APP/2013/1768	Expansion of the existing snow base to accommodate additional open parking and vehicle maneuvering areas plus within the footprint of the existing approved snow base the erection of a new snow vehicle storage shed and erection of enclosures for glycol, diesel and stand cleaning liquid (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995).	Approved	26/06/2013	
32	London Borough of Hillingdon	1 Nobel Drive Harlington	46214/APP/2013/1801	Alterations to entrance way involving installation of revolving door, new curtain walling and new door, painting of existing cladding, windows and pipes to grey, installation of drop down bollards to vehicular entrance way involving the removal of the existing barriers	Approved	28/06/2013	
33	London Borough of Hillingdon	St Marys Church High Street Harmondsworth	9436/APP/2013/1811	Listed Building Consent for the installation of an information sign for Harmondsworth Great Barn to the front railings of St Mary's Parish Church.	Approved	07/07/2013	
34	London Borough of Hillingdon	Terminal 2: The Queens Terminal Heathrow Airport Hounslow TW6 1EW	62360/APP/2013/1823	Installation of three banks of escalators within the covered forecourt of Terminal 2	Approved	01/07/2013	
35	London Borough of Hillingdon	268 High Street Harlington	55271/APP/2013/1855	Part two storey, part single storey rear extension.	Approved	03/07/2013	
36	London Borough of Hillingdon	66 Hatch Lane Harmondsworth	19246/APP/2013/1948	Proposed Vehicle Crossover	Approved	11/07/2013	
37	London Borough of Hillingdon	472 Sipson Road Sipson	1977/APP/2013/1992	Single storey side/rear extension	Approved	16/07/2013	
38	London Borough of Hillingdon	1 Hatch Lane Harmondsworth, UB70BH	69207/APP/2013/2043	Extension to front dormer, extension to side dormer, infill porch to front and render to elevations (Retrospective Application)	Approved	19/07/2013	
39	London Borough of Hillingdon	84 Hatch Lane Harmondsworth UB70BA	69348/APP/2013/2122	Installation of vehicular crossover	Approved	25/07/2013	
40	London Borough of Hillingdon	272-276 Bath Road, Heathrow UB35BX	464/APP/2013/2115	Change of use of existing building from office (Use Class B1(a)) to Hotel (Use Class C1), including 4-storey side extension (to rear of adjacent petrol station), and 4-storey rear extensions, and associated amendments to landscaping and car parking.	Approved	25/07/2013	
41	London Borough of Hillingdon	8 Littlefield Court Zealand Avenue, Harmondsworth	68034/APP/2013/2145	Installation of vehicular crossover	Approved	29/07/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
42	London Borough of Hillingdon	Technical Block A Cranford Lane Heathrow	50462/APP/2013/2169	Removal of the Georgian wired glazing and frames (including asbestos sealant) in the central crossing point of the engineering hall. Replacement of the existing steel glazing bars with light weight aluminum glazing bars powder coated to match the colour of the existing frames. Replacement of the Georgian wired glass panels with polycarbonate panels. Introduction of new metal panels within the new roof light system to facilitate access from heating ducts to plant. Provision of fire compartment	Approved	30/07/2013	
43	London Borough of Hillingdon	Site of Building 717 Located between Sheffield Way and Southern Perimeter Road Heathrow Airport (Due East of T4)	50657/APP/2013/2214	Demolition of existing warehouse buildings and erection of 602 bedroom 8-storey hotel with associated car parking (Outline application including details of access, appearance, layout and scale - landscaping reserved).	Approved	02/08/2013	
44	London Borough of Hillingdon	316 High Street, Harlington	36757/APP/2013/2243	Notification of flexible use involving change of use of premises from retail (Use Class A1) to restaurant (Use Class A3) for a period of two years.	Approved	05/08/2013	
45	London Borough of Hillingdon	Airside Smoking Shelter, Terminal 4, Heathrow Airport, Hounslow	24177/APP/2013/2415	Part enclosure of a space to provide an airside smoking shelter at Terminal 4 (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995).	Approved	16/08/2013	
46	London Borough of Hillingdon	Stand 463 and Zulu Taxiway Heathrow Airport Hounslow	69433/APP/2013/2493	Creation of two new storage facilities for empty canisters (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995).	Approved	29/08/2013	
47	London Borough of Hillingdon	Former Contractor's Compound, South of Swindon Road, Heathrow Airport	67622/APP/2013/2532	Part outline, part full planning application for a proposed hotel development of up to 660 bedrooms (approximately 30,000sq.m) with ancillary cafe, bar and restaurant facilities, car parking, service access, courtyard space, landscaping and improved ground level pedestrian access including public realm improvements (all outline application) and a perimeter veil structure wrapping around the hotel buildings (in full application detail).	Approved	30/08/2013	
48	London Borough of Hillingdon	Technical Block A Cranford Lane Heathrow	50462/APP/2013/2552	Replacement Pipework to The Existing Foam Cannons Within The North Pen of Technical Block A (Listed Building Consent).	Approved	04/09/2013	
49	London Borough of Hillingdon	Former Technicolor Site 276 Bath Road Sipson	35293/APP/2013/2709	Erection of 2 industrial/warehouse units incorporating 9,160sqm GIA within B1(c)/B2/B8 Use Classes with ancillary office space, associated car parking, landscaping and service yards.	Approved	07/09/2013	
50	London Borough of Hillingdon	High Voltage Transformer Compound Stirling Road, Heathrow Airport	56726/APP/2013/2779	Removal of three existing oil storage tanks and erection of a high voltage electricity substation screened by high louvered panels (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995).	Approved	23/09/2013	
51	London Borough of Hillingdon	17 Pendell Avenue Harlington	29212/APP/2013/2797	Part two storey, part single storey side/rear extension with installation of dormer to front	Approved	25/09/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
52	London Borough of Hillingdon	Immigration Detention Centre, J A Crown Site Colnbrook By-Pass Longford	8190/APP/2013/2828	Installation of 2 air conditioning units	Approved	26/09/2013	
53	London Borough of Hillingdon	Pier 5, Terminal 3 Heathrow Airport, Hounslow	27277/APP/2013/2861	Replacement of an existing fixed link structure between the gate room and air bridges to accommodate a total of three air bridges to allow boarding by A380 sized aircraft (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995).	Approved	30/09/2013	
54	London Borough of Hillingdon	Stands 410, 411 & 412 Terminal 4 HEATHROW AIRPORT HOUNSLOW TW6 2GW	24177/APP/2013/2923	Construction of new fixed link structures at airplane Stands 410, 411 and 412 to provide air bridges capable of connecting to A380's (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995)	Approved	07/10/2013	
55	London Borough of Hillingdon	Yard 2, Manor Lane Caravan Site Manor Lane Harlington, UB35EQ	44180/APP/2013/3046	Two storey, 2 bed, detached dwelling with associated parking and amenity space	Approved	15/10/2013	
56	London Borough of Hillingdon	Coaching Gate House, Terminal 4 Departures Lounge Heathrow Airport, Hounslow	24177/APP/2013/3123	Installation of plant and equipment on roof (Consultation Under Part 18 of the Town and Country Planning (General Permitted Development) Order 1995).	Approved	21/10/2013	
57	London Borough of Hillingdon	472 Sipson Road Sipson	1977/APP/2013/3102	Single storey side extension	Approved	21/10/2013	
58	London Borough of Hillingdon	76 Summerhouse Lane, Harmondsworth	6074/APP/2013/3608	First floor side extension and single storey rear extension	Approved	05/12/2013	
59	London Borough of Hillingdon	66 Hatch Lane Harmondsworth	19246/APP/2013/3663	Single storey rear extension	Approved	10/12/2013	
60	London Borough of Hillingdon	35 Oxford Avenue Harlington	44573/APP/2013/3814	Single storey side extension and porch to front	Approved	20/12/2013	
61	London Borough of Hillingdon	Airside Vehicle Wash Facilities Heathrow Airport Hounslow	69669/APP/2013/3860	The proposal involves the installation of three airside vehicle washing facilities, one adjacent to a redundant Esso fuel station in the centre of the airfield, one in the Central Terminal Area (CTA) near Control Post 5 and one at Terminal 4 adjacent to Victor Pier. (Consultation under Schedule 2, Part 18 of The Town and Country Planning (General Permitted Development) Order 1995)	Approved	24/12/2013	
62	London Borough of Hillingdon	T5 Business and N2 Car Parks Northern Perimeter Road Heathrow Airport	69671/APP/2013/3871	Erection of a car park deck within the T5 Business Car Park to provide an additional 350 parking spaces and the conversion of the N2 Car Park from contractor parking to an additional T5 Long Stay Car Park with 790 spaces. (Consultation under Schedule 2, Part 18 of The Town and Country Planning (General Permitted Development) Order 1995)	No objection	27/12/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
63	London Borough of Hillingdon	Unitair Centre Great South West Road Feltham	49559/APP/2014/334	Outline application (all matters reserved) to provide up to 14,750sqm of B1c/B2/B8/Sui Generis (Car Showroom) uses (up to a maximum of 1,700 sqm of sui generis floorspace) with associated landscaping and access.	Approved	31/01/2014	
64	London Borough of Hillingdon	34 Eton Road Harlington	44600/APP/2014/398	Single storey rear extension to include 3 rooflights	Approved	05/02/2014	
65	London Borough of Hillingdon	1 Acorn Grove Harlington	56766/APP/2014/449	Single storey rear extension involving demolition of existing rear element	Approved	11/02/2014	
66	London Borough of Hillingdon	19 Hatch Way Harmondsworth	8654/APP/2014/817	Single storey rear extension	Approved	10/03/2014	
67	London Borough of Hillingdon	448 Sipson Road Sipson	33053/APP/2014/798	Part two storey, part first floor, part single storey rear extension	Approved	10/03/2014	
68	London Borough of Hillingdon	The Elms 371A High Street, Harlington UB35DQ	19758/APP/2014/838	Change of use of Unit 2A from vacant former storage sheds, to packaging operations (Class B2).	Approved	10/03/2014	
69	London Borough of Hillingdon	The Elms 371A High Street, Harlington UB35DQ	19758/APP/2014/833	Change of use of Unit 1C from the storage and sale of ornamental fish, to mixed use, including offices (Class B1a) and/or storage & distribution (Class B8)	Approved	10/03/2014	
70	London Borough of Hillingdon	14 Oxford Avenue, Harlington	10790/APP/2014/807	Alterations to existing single storey roof to allow conversion from mono-pitched roof to flat roof	Approved	10/03/2014	
71	London Borough of Hillingdon	Land between New Hotel at Sheffield Way and Hilton Hotel Southern Perimeter Road Heathrow Airport	50657/APP/2014/899	Erection of elevated pedestrian walkway	Approved	14/03/2014	
72	London Borough of Hillingdon	Land Adjacent to 25 Chitterfield Gate Sipson	51434/APP/2014/971	4 x 2-bed apartments with associated parking and amenity space involving the installation of bin and cycle stores and vehicular crossover to front	Approved	19/03/2014	
73	London Borough of Hillingdon	34 Summerhouse Lane Harmondsworth	34030/APP/2014/1134	Two storey side extension involving demolition of existing attached garage	Approved	01/04/2014	
74	London Borough of Hillingdon	272-276 Bath Road, Heathrow UB35BX	464/APP/2014/1210	Change of use of existing building from office (Use Class B1(a)) to 123-room Hotel (Use Class C1), including 4-storey side extension (to rear of adjacent petrol station), and 4-storey rear extensions, and associated alterations to landscaping and car parking.	Approved	08/04/2014	
75	London Borough of Hillingdon	Technical Block A Cranford Lane Heathrow	50462/APP/2014/1264	Temporary mothballing of second floor of Technical Block A, area not to be fitted out with the exception of the IT Rooms	Approved	11/04/2014	
76	London Borough of Hillingdon	Flat 6 Arbour Court 475 High Street, Harlington	69965/APP/2014/1549	Conversion of roof space to habitable use to include 4 rooflights	Approved	02/05/2014	
77	London Borough of Hillingdon	Land between Colnbrook By-Pass and Bath Road Longford	70038/APP/2014/1895	Installation of underground power cables and district heating pipeline and the erection of three substation structures, enclosed by a 3m high fence with secure gate	Approved	30/05/2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
78	London Borough of Hillingdon	376 Cranford Lane Harlington	69859/APP/2014/1951	Single storey side/rear extension and alteration to entrance	Approved	06/06/2014	
79	London Borough of Hillingdon	Terminal 3 Forecourt HEATHROW AIRPORT HOUNSLOW	27277/APP/2014/2006	Erection of a temporary check-in facility for a period of 2 years	Approved	09/06/2014	
80	London Borough of Hillingdon	1, 2 & 3 MANOR COURT HIGH STREET HARMONDSWORTH	27256/APP/2014/1984	Details pursuant to condition 5D (confirmation of works to modern high level struts and associated fitching of original purlins) of permission 27256/APP/2013/1444 (reinstatement of historic eaves overhang, repairs to timber frame structure of barn, re-roofing (using new handmade clay peg tiles and salvaged tiles from barn), replacement of softwood battens with oak battens, repairs to external timber cladding, replacement of some boarding with new matching oak boarding, reinstating historic vertical boarding, removal of 20th century boarding on south elevation and reinstatement of historic south elevation including the insertion of high level doors and repairs to historic threshing floor and new internal lighting scheme).	Approved	09/06/2014	
81	London Borough of Hillingdon	1, 2 & 3 MANOR COURT HIGH STREET HARMONDSWORTH	27256/APP/2014/1983	Details pursuant to condition 4C (confirmation of works to modern high level struts and associated fitching of original purlins) of permission 27256/APP/2013/1444 (reinstatement of historic eaves overhang, repairs to timber frame structure of barn, re-roofing (using new handmade clay peg tiles and salvaged tiles from barn), replacement of softwood battens with oak battens, repairs to external timber cladding, replacement of some boarding with new matching oak boarding, reinstating historic vertical boarding, removal of 20th century boarding on south elevation and reinstatement of historic south elevation including the insertion of high level doors and repairs to historic threshing floor and new internal lighting scheme. (Listed Building Consent).	Approved	09/06/2014	
82	London Borough of Hillingdon	SNOWBASE EASTERN PERIMETER ROAD HEATHROW AIRPORT	45151/APP/2014/2016	New airfield operations facility, consultation under Schedule 2 Part 18 of the Town and Country Planning (General Permitted Development) Order 1995.	No objection	10/06/2014	
83	London Borough of Hillingdon	HEATHROW BOULEVARD, UNIT 2, 284 BATH ROAD SIPSON	45195/APP/2014/2104	Change of use of part of ground floor from Use Class B1a (Offices) to Use Class B1a/D1 (Offices/Non-residential Institutions)	Approved	16/06/2014	
84	London Borough of Hillingdon	SNOWBASE EASTERN PERIMETER ROAD HEATHROW AIRPORT	45151/APP/2014/2123	Enclosed vehicle parking building at Heathrow Airport, consultation under Schedule 2 Part 18 of the Town and Country Planning (General Permitted Development) Order 1995.	No objection	17/06/2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
85	London Borough of Hillingdon	19 HATCH LANE HARMONDSWORTH	8654/APP/2014/2141	Single storey rear extension	Approved	18/06/2014	
86	London Borough of Hillingdon	LAND OFF VANGUARD WAY HEATHROW AIRPORT TW6	70078/APP/2014/2158	Erection of replacement fire ground training facilities	Approved	19/06/2014	
87	London Borough of Hillingdon	44 BATH ROAD HARLINGTON	12783/APP/2014/2240	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4.5 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.8 metres	Prior Approval N/Req	26/06/2014	
88	London Borough of Hillingdon	THE HARLINGTON TANDOORI, 316-320 HIGH STREET HARLINGTON	42416/APP/2014/2318	Single storey detached outbuilding to rear for use as a store	Approved	01/07/2014	
89	London Borough of Hillingdon	316 HIGH STREET HARLINGTON	36757/APP/2014/2316	Change of use from Use Class A1 (Shops) to Use Class A3 (Restaurants and Cafes) (Retrospective)	Approved	01/07/2014	
90	London Borough of Hillingdon	406 SIPSON ROAD SIPSON	24664/APP/2014/2351	Conversion of roof space to habitable use to include a rear dormer with Juliette balcony and 2 front and 1 side rooflights (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	02/07/2014	
91	London Borough of Hillingdon	JURY'S INN HOTEL (HATTON CROSS) EASTERN PERIMETER ROAD HEATHROW AIRPORT	53546/APP/2014/2388	Installation of 2 fixed smoking shelters	Approved	07/07/2014	
92	London Borough of Hillingdon	14 PENDELL AVENUE HARLINGTON	50180/APP/2014/2512	Single storey side extension (Application for a Certificate of Lawful Development for an Existing Development)	Approved	16/07/2014	
93	London Borough of Hillingdon	LONG HAUL CATERING BASE SCYLLA ROAD HEATHROW AIRPORT	50270/APP/2014/2535	Non-material amendment to planning permission ref. 50270/APP/2011/2570 dated 23/12/2011 (to vary of conditions of planning permission ref. 50270/APP/2011/1422), to allow for the retention of the access point to Plot 1 from Scylla Road.	Approved	17/07/2014	
94	London Borough of Hillingdon	14 OXFORD AVENUE HARLINGTON	10790/APP/2014/2579	Single storey side extension and porch to front (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	21/07/2014	
95	London Borough of Hillingdon	24 OXFORD AVENUE HARLINGTON	23319/APP/2014/2768	Single storey side/rear extension	Approved	04/08/2014	
96	London Borough of Hillingdon	1 NOBEL DRIVE HARLINGTON	46214/APP/2014/2827	Conversion and extension of existing office building to form a 200 bedroom hotel with banqueting suite, conference facilities, and rooftop restaurant, including a seven-storey extension to rear, a three storey addition at roof level, and single-storey side extension, together with the creation of a new vehicle access, and alterations to car parking and landscaping.	Approved	08/08/2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
97	London Borough of Hillingdon	SCOTCH LAKE FARM MOOR LANE HARMONDSWORTH UB7 0AS	19327/APP/2014/2866	Erection of up to 8 dwellings (Outline application for access)	Approved	12/08/2014	
98	London Borough of Hillingdon	272-276 BATH ROAD SIPSON	464/APP/2014/2886	Change of use of existing building from office (Use Class B1(a)) to 136-room Hotel (Use Class C1) and one flat for staff, including 4-storey side extension (to rear of adjacent petrol station), and 4-storey rear extensions, and associated alterations to landscaping and car parking.	Approved	13/08/2014	
99	London Borough of Hillingdon	32 OXFORD AVENUE HARLINGTON UB3 5HY	70258/APP/2014/3047	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 3.6 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.8 metres	Prior Approval N/Req	27/08/2014	
100	London Borough of Hillingdon	1 - 7 OAKLEY COURT 80A THE CRESCENT HARLINGTON UB3 5NS	46970/APP/2014/3077	Raising of roof and installation of 3 dormers to allow conversion of roofspace to habitable use to create 1 x 1 bed flat with associated parking	Approved	28/08/2014	
101	London Borough of Hillingdon	Stand 403 Terminal 4 HEATHROW AIRPORT HOUNSLOW	24177/APP/2014/3121	Proposed secondary baggage screening facility at Stand 403, Terminal 4 (Consultation under Schedule 2, Part 18 of the Town And Country Planning (General Permitted Development) Order 1995)	No objection	01/09/2014	
102	London Borough of Hillingdon	FLIGHT CONNECTION CENTRE, TERMINAL 3, CENTRAL TERMINAL AREA HEATHROW AIRPORT HOUNSLOW	27277/APP/2014/3204	Demolition of existing Flight Connection Centre and erection of new larger centre serving Terminal 3.	Approved	09/09/2014	
103	London Borough of Hillingdon	Temporary Flight Connections Centre - stand 323 T3 HEATHROW AIRPORT HOUNSLOW	27277/APP/2014/3202	Temporary Flight Connections centre at Terminal 3, consultation under Schedule 2 Part 18 of the Town and Country Planning (General Permitted Development) Order 1995.	No objection	09/09/2014	
104	London Borough of Hillingdon	14 OXFORD AVENUE HARLINGTON	10790/APP/2014/3258	Conversion of roof space to habitable use to include a rear dormer, 2 front rooflights and conversion of roof from hip to gable end with a new gable end window and a single storey detached outbuilding to rear (Application for a Certificate of Lawful Development for an Existing Development)	Approved	12/09/2014	
105	London Borough of Hillingdon	22 OXFORD AVENUE HARLINGTON	40302/APP/2014/3330	Conversion of roof space to habitable use to include a side/rear dormer and 2 front rooflights (Application for a Lawful Development Certificate for a proposed use/development)	Approved	17/09/2014	
106	London Borough of Hillingdon	363 CRANFORD LANE HARLINGTON	66404/APP/2014/3530	Conversion of roof space to habitable use to include a rear dormer and conversion of roof from hip to gable end (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	02/10/2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
107	London Borough of Hillingdon	364 CRANFORD LANE HARLINGTON	57782/APP/2014/3753	Conversion of roof space to habitable use to include a rear dormer and conversion of roof from hip to gable end (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	02/10/2014	
108	London Borough of Hillingdon	11 BATH ROAD HEATHROW TW6 2AA	2349/APP/2014/3601	Change of use to Sui Generis for use as a car rental involving single storey modular building and 1 x canopy involving demolition of existing outbuilding	Approved	08/10/2014	
109	London Borough of Hillingdon	92 HATCH LANE HARMONDSWORTH	70352/APP/2014/3639	Conversion of attached garage to habitable use involving alterations to elevations (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	10/10/2014	
110	London Borough of Hillingdon	HARMONDSWORTH IMMIGRATION DETENTION CENTRE COLNBROOK BY-PASS LONGFORD	8190/APP/2014/3857	Single storey infill extension	Approved	16/10/2014	
111	London Borough of Hillingdon	512B STANSTED ROAD HEATHROW AIRPORT	57331/APP/2014/3703	Installation of loading door and single door to front	Approved	16/10/2014	
112	London Borough of Hillingdon	65 BLUNTS AVENUE SIPSON	55795/APP/2014/3732	Single storey detached outbuilding to rear for use as a cycle store/laundry/storage (Retrospective)	Approved	20/10/2014	
113	London Borough of Hillingdon	382 SIPSON ROAD WEST DRAYTON UB7 0HU	70385/APP/2014/3807	Conversion of roof space to habitable use to include a rear dormer	Approved	24/10/2014	
114	London Borough of Hillingdon	38 BLUNTS AVENUE SIPSON UB7 0DS	69276/APP/2014/4200	First floor rear extension	Approved	27/11/2014	
115	London Borough of Hillingdon	2C CAMBRIDGE CLOSE HARMONDSWORTH UB7 0AN	69456/APP/2014/4233	Single storey side extension involving demolition of existing detached garage to side	Approved	02/12/2014	
116	London Borough of Hillingdon	385 HIGH STREET HARLINGTON	57198/APP/2014/4308	Alterations to side garden wall to remove unapproved brick and block work and repairs to the wall (including replacement of pierced concrete blocks with salvaged matching facing bricks in matching mortar) and rebuilding of new wall alongside the reduced height garden wall, with salvaged clay hanging tiles and stained white fascia boards (Listed Building Consent).	Approved	08/12/2014	
117	London Borough of Hillingdon	385 HIGH STREET HARLINGTON	57198/APP/2014/4307	Retrospective consent for the erection of a single storey side and rear extension, repairs and alterations to side garden wall (to remove unapproved brick and block work and repair the wall), replacement of old pierced concrete blocks with salvaged matching facing bricks, rebuilding of new wall alongside reduced height garden wall and removal of half-built front cavity wall brickwork and return to the original frontage	Approved	08/12/2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
118	London Borough of Hillingdon	RIVERBANK SPOUT LANE NORTH STANWELL MOOR TW19 6BW	68644/APP/2014/4365	Conversion of attached garage to habitable use and conversion of attached store to habitable use involving alterations to front and rear elevations (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	11/12/2014	
119	London Borough of Hillingdon	4 CRANESWATER HARLINGTON	59380/APP/2015/5	Single storey detached outbuilding to rear for use as a garage/store (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	02/01/2015	
120	London Borough of Hillingdon	41 ASHBY WAY SIPSON	46060/APP/2015/30	Application for a new planning permission to replace an extant planning permission in order to extend the time limit for implementation (Ref: 46060/APP/2012/2822 - single storey rear extension)	Approved	06/01/2015	
121	London Borough of Hillingdon	42 HATCH LANE HARMONDSWORTH MIDDLESEX UB7 0AZ	70402/APP/2015/53	Single storey side extension, porch to front and conversion of garage/car port to habitable use for use as a games room/study	Approved	08/01/2015	
122	London Borough of Hillingdon	272-276 BATH ROAD SIPSON	464/APP/2015/160	Non material amendment to planning permission 464/APP/2014/2886 dated 09/01/2015 (the change of use of existing building from office (Use Class B1(a)) to 136-room Hotel (Use Class C1) and one flat for staff, including 4-storey side extension (to rear of adjacent petrol station), and 4-storey rear extensions, and associated alterations to landscaping and car parking) for internal alterations including the removal of a staircase and creation of an additional 4 bedrooms	Approved	16/01/2015	
123	London Borough of Hillingdon	49 SAUNTON AVENUE HARLINGTON UB3 5HG	70563/APP/2015/178	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	19/01/2015	
124	London Borough of Hillingdon	UNITED HOUSE BUILDING 451 SOUTHERN PERIMETER ROAD HEATHROW AIRPORT	2459/APP/2015/361	Demolition of two storey office building (Application for prior notification of proposed demolition).	Prior Approval N/Req	30/01/2015	
125	London Borough of Hillingdon	22 ETON ROAD HARLINGTON UB3 5HR	64491/APP/2015/375	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 4 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	02/02/2015	
126	London Borough of Hillingdon	HIGHWAY LAND SOUTH SIDE OF VISCOUNT WAY HEATHROW AIRPORT	70622/APP/2015/443	Removal of existing 13.7m high monopole and 2 cabinets and installation of a 15 metre high telecommunications monopole with associated equipment cabinets (application under Part 24 of schedule 2 to the Town and Country Planning (General Permitted Development) Order for determination as to whether prior approval is required for siting and appearance)	Approved	05/02/2015	

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
127	London Borough of Hillingdon	50 NEW ROAD HARLINGTON	58716/APP/2015/572	Conversion of two storey dwelling with habitable roof space into 2 x 2 bedroom self contained flats with associated parking and amenity space involving installation of canopy to front and extension to vehicular crossover to front	Approved	14/02/2015	
128	London Borough of Hillingdon	SIPSON RECREATION GROUND SIPSON WAY SIPSON UB7 0DW	11720/APP/2015/682	Installation of metal storage container on an existing concrete base.	Approved	23/02/2015	
129	London Borough of Hillingdon	RIVERBANK SPOUT LANE NORTH STANWELL MOOR TW19 6BW	68644/APP/2015/732	Single storey side extension (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	26/02/2015	
130	London Borough of Hillingdon	THE PORTAL SCYLLA ROAD HEATHROW AIRPORT	50270/APP/2015/747	Non-material amendment to S73 planning permission ref. 50270/APP/2011/2570 dated 23/12/11 for 'Application to vary selected conditions of planning permission ref: 50270/APP/2011/1422 (for (A) Detailed planning permission for 10,194 sq.m of commercial floorspace (B1c/B2/B8 Use Classes) on Plot 3 including a new access from Scylla Road and associated car parking, landscaping and ancillary works; and (B) Outline planning permission (all matters reserved) for development to provide up to 6,294 sq.m (GEA) of flexible B1c/B2/B8 floorspace for Plot 1 and up to 8,163 sq.m (GEA) of flexible B1c/B2/B8 floorspace for Plot 2 with associated car parking, landscaping and ancillary works (Hybrid Application)). Change sought: To insert a new planning condition listing the drawings approved as part of the reserved matters application ref. 50270/APP/2014/331, with the following amendments: 1. Removal of the office/storage floorspace on the second mezzanine floor and the second 'fire stair' access. 2. Replacing the second mezzanine floor windows on the South-West Elevation with cladding to match the rest of the elevation. 3. Repositioning of the plant floorspace to the southern corner of the retained part of the second floor with vents to the South-East and South-West elevations. 4. Introduction of panels to the windows to the North-West, South-West and South-East Elevations with alterations to the fenestration pattern. 5. Reduction in the number of parking spaces from 37 to 34 associated with the reduction in floorspace.	Approved	27/02/2015	
131	London Borough of Hillingdon	LANZ FARM 33 HARMONDSWORTH LANE HARMONDSWORTH	44185/APP/2015/746	Conversion of 2 existing barns into 4 family dwellings with associated parking and amenity space.	Approved	27/02/2015	

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
132	London Borough of Hillingdon	7 CROFT CLOSE HARLINGTON	25529/APP/2015/1095	Conversion of roof space to habitable use to include a rear dormer, 2 front rooflights and conversion of roof from hip to gable end (Application for a Certificate of Lawful Development for an Existing Development)	Approved	25/03/2015	
133	London Borough of Hillingdon	34 SUMMERHOUSE LANE HARMONDSWORTH	34030/APP/2015/1130	Application for a non-material amendment to planning permission Ref: 34030/APP/2014/1134 dated 02/06/2014 to allow amendment to move the utility room out by 200mm (Two storey side extension involving demolition of existing attached garage)	Approved	26/03/2015	
134	London Borough of Hillingdon	LAND ADJACENT TO SIPSON ROAD IN HOLLOWAY LANE HARMONDSWORTH	46223/APP/2015/1195	Variation of Condition 3 of planning permission 46223/APP/2013/2899 dated 4/12/13 (Use of part of the site fronting Sipson Road, for a period of 18 months, as a construction compound and training facility in conjunction with the rebuilding of the structural supports for the A4 Hammersmith Flyover) to allow the continued use of the site until January 2016 (S73 Application)	Approved	31/03/2015	
135	London Borough of Hillingdon	LAND FRONTING RENAISSANCE HOTEL BATH ROAD HARLINGTON	57699/APP/2015/1257	Replacement of existing 14.2 metre high telecommunications monopole with a 14.7 metre high telecommunications monopole with associated equipment cabinet (Application under Part 16 of schedule 2 to the Town and Country Planning (General Permitted Development) Order for determination as to whether prior approval is required for siting and appearance)	Approved	07/04/2015	
136	London Borough of Hillingdon	BUILDING 717 SHEFFIELD WAY HEATHROW AIRPORT TW6 3SY	50657/APP/2015/1351	Alter elevations including infill of 2 indents on eastern corner of building, relocation of bedroom to first floor southern corner to replicate floors above, amended shape of western corner including altered reception entrance, internal alterations including the repositioning of 1 stair core and main lifts/service lifts/plant resulting in 6 additional bedrooms (total 607). Alterations to ground level (undercroft) to improve usability of car park and building entrances including: altered positions for support pillars; partial roof opening to provide daylight from atrium above; reconfigured drop-off area, cycle stands, motorcycle bays and electric charging bays; altered vehicular entrance and exit; alterations to ground floor plant areas (Application for Non-Material Amendment)	Approved	13/04/2015	
137	London Borough of Hillingdon	38 OXFORD AVENUE HARLINGTON UB3 5HY	57827/APP/2015/1383	Single storey rear extension	Approved	15/04/2015	
138	London Borough of Hillingdon	LANZ FARM 33 HARMONDSWORTH LANE HARMONDSWORTH	44185/APP/2015/1576	Conversion of 2 existing barns into 4 family dwellings with associated parking and amenity space (Listed Building Consent)	Approved	20/04/2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
139	London Borough of Hillingdon	ANIMAL QUARANTINE STATION BEACON ROAD HEATHROW AIRPORT TW6 3JF	49864/APP/2015/1511	Installation of a new temporary Portakabin	Approved	24/04/2015	
140	London Borough of Hillingdon	Unit 521A STIRLING ROAD HEATHROW AIRPORT TW6 3JJ	70845/APP/2015/1579	External alterations and associated work to all elevations	Approved	28/04/2015	
141	London Borough of Hillingdon	13 HATCH LANE HARMONDSWORTH UB7 0BJ	69812/APP/2015/1564	Single storey side/rear extension	Approved	28/04/2015	
142	London Borough of Hillingdon	47 ETON ROAD HARLINGTON	31618/APP/2015/1634	Single storey side extension and installation of mono-pitched roof to existing single storey rear extension	Approved	05/05/2015	
143	London Borough of Hillingdon	LANZ FARM 33 HARMONDSWORTH LANE HARMONDSWORTH	44185/APP/2015/1729	Proposed new agricultural access, involving the installation of a vehicle crossover, the installation of a culvert over the existing watercourse and the erection of two new five-bar access gates	Approved	11/05/2015	
144	London Borough of Hillingdon	FORMER CONTRACTOR'S COMPOUND, SOUTH OF SWINDON ROAD HEATHROW AIRPORT	67622/APP/2015/1854	Erection of elevated pedestrian walkway	Approved	19/05/2015	
145	London Borough of Hillingdon	HEATHROW POINT WEST 234 BATH ROAD HEATHROW UB3 5AP	41331/APP/2015/1886	Change of use from Offices (Use Class B1(a)) to provide a 159 bedroom hotel (Use Class C1) and the erection of a new single storey side extension, car parking and landscaping.	Approved	21/05/2015	
146	London Borough of Hillingdon	476 SIPSON ROAD SIPSON UB7 0HZ	70922/APP/2015/1957	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 2.95 metres, and for which the height of the eaves would be 2.875 metres	Prior Approval N/Req	27/05/2015	
147	London Borough of Hillingdon	476 SIPSON ROAD SIPSON UB7 0HZ	70922/APP/2015/1949	Single storey detached outbuilding to rear for use as a store/playroom (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	27/05/2015	
148	London Borough of Hillingdon	276 BATH ROAD SIPSON	35293/APP/2015/1947	Non-Material Amendment to planning permission ref: 35293/APP/2009/1938, dated 28th May 2010 (Erection of a part four, part five, part six storey, 623-bedroom hotel with ancillary restaurant/bar facilities, landscaping, parking for 354 cars and associated works) to vary condition 2 to include the approved plans and documents and amendment to the description of development to read 'Erection of 623-bedroom hotel with ancillary restaurant/bar facilities, landscaping, parking for 354 cars and associated works'	Approved	27/05/2015	
149	London Borough of Hillingdon	PAVEMENT ADJACENT TO 208 HIGH STREET SIPSON LANE HARLINGTON	70925/APP/2015/1963	Installation of a 13.8m high telecommunications monopole supporting 6 antennas and 2 new equipment cabinets	Approved	28/05/2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
150	London Borough of Hillingdon	21 PENNINE WAY HARLINGTON UB3 5LL	70920/APP/2015/1945	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	28/05/2015	
151	London Borough of Hillingdon	SITE OF BUILDING 717 SHEFFIELD WAY HEATHROW AIRPORT TW6 3SY	50657/APP/2015/1974	Reserved matters (Landscaping) application in compliance with conditions 2 and 3 of planning permission reference 50657/APP/2013/2214 (Demolition of existing warehouse buildings and erection of 602 bedroom 8-storey hotel with associated car parking (Outline application including details of access, appearance, layout and scale - landscaping reserved))	Approved	28/05/2015	
152	London Borough of Hillingdon	62 LANGLEY CRESCENT HARLINGTON	13149/APP/2015/1972	Conversion of roof space to habitable use to include a rear dormer with Juliet balcony and conversion of roof from hip to gable with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	28/05/2015	
153	London Borough of Hillingdon	SITE OF FORMER UNITAIR CENTRE & WAYFARER HOUSE GREAT SOUTH WEST ROAD FELTHAM TW14 8NT	49559/APP/2015/1991	Reserved matters application for circa 14,306 sq.m commercial development (B1c, B2, B8 use classes) pursuant to planning permission reference 49559/APP/2014/334.	Approved	29/05/2015	
154	London Borough of Hillingdon	SUMMIT CENTRE SKYPORT DRIVE HARMONDSWORTH UB7 0LY	9420/APP/2015/2198	Insertion of new roller shutter doors, provision of new servicing yard, alterations to access/egress and external storage arrangements and landscaping scheme and removal of existing entrance canopies at Units 3 and 4.	Approved	12/06/2015	
155	London Borough of Hillingdon	43 ETON ROAD HARLINGTON	12448/APP/2015/2251	Single storey rear extension	Approved	17/06/2015	
156	London Borough of Hillingdon	HEATHROW ENERGY CENTRE, CENTRAL TERMINAL AREA HEATHROW AIRPORT HOUNSLOW	62360/APP/2015/2664	Proposed temporary enabling boilers with associated pipe work and permanent header building (Consultation Under Part 8, Class F of the Town and Country Planning (General Permitted Development) Order 2015).	No objection	13/07/2015	
157	London Borough of Hillingdon	CUSTOMS HOUSE BUILDING 495 NENE ROAD HEATHROW AIRPORT TW6 2LA	38090/APP/2015/2741	Installation of 2 x charge point posts for electrical cars within the existing car park	Approved	21/07/2015	
158	London Borough of Hillingdon	ADJACENT TO 70/70A WEST END LANE HARLINGTON	40852/APP/2015/2785	Two storey 1-bedroom end-of-terrace dwelling with associated parking and amenity space involving demolition of existing garages	Approved	24/07/2015	
159	London Borough of Hillingdon	Unit 521A STIRLING ROAD HEATHROW AIRPORT TW6 3JJ	70845/APP/2015/2817	Non-material amendment to planning permission ref: 70845/APP/2015/1579 (external alterations and associated work to all elevations) comprising: (1) Repositioning of four cargo doors on the northern section of the eastern elevation; (2) Omission of windows in one cargo door (a09) along the eastern elevation; and (3) Addition of an extra window in each cargo door along the same elevation	Approved	27/07/2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
160	London Borough of Hillingdon	AXIS HOUSE 242 BATH ROAD SIPSON	43794/APP/2015/2822	Conversion of roof space to habitable use to include a rear dormer and a side dormer and 17 rooflights to create 6 x 1-bed and 1 x 2-bed self contained flats with associated parking	Approved	27/07/2015	
161	London Borough of Hillingdon	18 WINDSOR PARK ROAD HARLINGTON UB3 5HZ	69398/APP/2015/2826	Part two storey, part single storey rear extension and single storey side extension	Approved	28/07/2015	
162	London Borough of Hillingdon	12 DOGHURST AVENUE HARLINGTON	18721/APP/2015/2838	Porch to front (Retrospective)	Approved	29/07/2015	
163	London Borough of Hillingdon	HEATHROW AMBULANCE STATION SIPSON WAY SIPSON UB7 0DP	71121/APP/2015/2954	Installation of Portacabin type structure to provide cycle and Accessories store involving removal of temporary cycle shelter	Approved	06/08/2015	
164	London Borough of Hillingdon	PIER 5, TERMINAL 3 HEATHROW AIRPORT HOUNSLOW	27277/APP/2015/2952	Proposed Utility Loading Device (ULD) Store (Consultation Under Part 8, Class F of the Town and Country Planning (General Permitted Development) (England) Order 2015)	No objection	06/08/2015	
165	London Borough of Hillingdon	SOUTH OF M4 HARMONDSWORTH ROAD WEST DRAYTON UB7 9HY	70429/APP/2015/3015	Removal of existing 14m high telecoms pole and installation of a new 17.5m high telecoms pole and one additional associated equipment cabinet (Application under Part 16 of Schedule 2 to the Town and Country Planning (General Permitted Development) Order 2015 for determination as to whether prior approval is required for siting and appearance)	Approved	11/08/2015	
166	London Borough of Hillingdon	TERMINAL 3, CENTRAL TERMINAL AREA HEATHROW AIRPORT HOUNSLOW	27277/APP/2015/3034	Refurbishment and redesign of the Terminal 3 departures facade including the installation of two double height glazed entrance pods and a single height extension	Approved	12/08/2015	
167	London Borough of Hillingdon	THE FIVE BELLS P H HIGH STREET HARMONDSWORTH	20639/APP/2015/3094	Provision of a shed for storage of community items	Approved	14/08/2015	
168	London Borough of Hillingdon	9 OXFORD AVENUE HARLINGTON	51023/APP/2015/3215	First floor side/rear extension	Approved	24/08/2015	
169	London Borough of Hillingdon	TERMINAL 5 HEATHROW AIRPORT HOUNSLOW	47853/APP/2015/3303	Proposed Temporary Welfare and Office Accommodation (Consultation Under Part 8, Class F of the Town and Country Planning (General Permitted Development) (England) Order 2015)	No objection	01/09/2015	
170	London Borough of Hillingdon	322A HIGH STREET HARLINGTON	51047/APP/2015/3331	Installation of external staircase to first floor flat (Partly Retrospective)	Approved	02/09/2015	
171	London Borough of Hillingdon	29 CRANFORD LANE HARLINGTON UB3 5HA	69049/APP/2015/3342	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.45 metres, and for which the height of the eaves would be 2.65 metres	Prior Approval N/Req	04/09/2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
172	London Borough of Hillingdon	Unit 521A STIRLING ROAD HEATHROW AIRPORT TW6 3JJ	70845/APP/2015/3386	Proposed single storey building for use as a gatehouse and associated works including new security barriers, fencing, alterations to parking and internal access	Approved	07/09/2015	
173	London Borough of Hillingdon	38 DOGHURST AVENUE HARLINGTON	32350/APP/2015/3378	Two storey side/rear extension involving demolition of existing garage	Approved	08/09/2015	
174	London Borough of Hillingdon	4-7 SKYPORT DRIVE HARMONDSWORTH	51944/APP/2015/3417	Installation of new security fencing and access gates (Resubmission)	Approved	09/09/2015	
175	London Borough of Hillingdon	ELECTRICITY SUB STATION WEST OF INN EASTERN PERIMETER ROAD HEATHROW AIRPORT TW6 2SQ	68584/APP/2015/3470	Installation of a new steel and aluminium cladded canopy structure to the existing Air Products hydrogen refuelling station, together with installation of new hydraulic barrier to access to the site	Approved	15/09/2015	
176	London Borough of Hillingdon	PREMIER INN BATH ROAD HARLINGTON TW6 2AB	10850/APP/2015/3575	Installation of solar photovoltaic equipment (Prior Approval)	Prior Approval N/Req	24/09/2015	
177	London Borough of Hillingdon	43 MANOR LANE HARLINGTON	23709/APP/2015/3584	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.8 metres, and for which the height of the eaves would be 3 metres	Approved	25/09/2015	
178	London Borough of Hillingdon	24 LANGLEY CRESCENT HARLINGTON	15359/APP/2015/3671	Conversion of roofspace to habitable use to include a rear dormer with Juliette balcony, 2 front rooflights and conversion of roof from hip to gable end with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	02/10/2015	
179	London Borough of Hillingdon	CHAMBERS BUSINESS PARK SIPSON ROAD WEST DRAYTON	70376/APP/2015/3764	7 x two storey, 3-bed, dwellings with habitable roof space with associated parking and amenity space involving demolition of existing warehouse	Approved	09/10/2015	
180	London Borough of Hillingdon	SITE OF FORMER UNITAIR CENTRE & WAYFARER HOUSE GREAT SOUTH WEST ROAD FELTHAM TW14 8NT	49559/APP/2015/3840	Non-material Amendment to Planning Application 49559/APP/2015/1991 'Reserved matters application for circa 14,306 sq.m commercial development (B1c, B2, B8 use classes) pursuant to planning permission reference 49559/APP/2014/334.'	Approved	15/10/2015	
181	London Borough of Hillingdon	32 BROWNGRAVES ROAD HARLINGTON UB3 5BN	71309/APP/2015/3885	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.4 metres, and for which the height of the eaves would be 2.8 metres	Prior Approval N/Req	20/10/2015	
182	London Borough of Hillingdon	ARBOUR COURT HIGH STREET HARLINGTON UB3 5DL	19103/APP/2015/3949	Alterations to soft landscaping involving reduction of parking spaces	Approved	22/10/2015	
183	London Borough of Hillingdon	14 PENDELL AVENUE HARLINGTON	50180/APP/2015/3950	First floor rear extension	Approved	23/10/2015	
184	London Borough of Hillingdon	2 BLUNTS AVENUE SIPSON	30495/APP/2015/3963	First floor rear extension and single storey rear extension	Approved	23/10/2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
185	London Borough of Hillingdon	LONDON HEATHROW MARRIOTT HOTEL BATH ROAD HEATHROW UB3 5AN	12502/APP/2015/4110	Demolition of existing plant and refuse screening and the erection of two out buildings comprising external plant compound, general refuse and recycling store.	Approved	06/11/2015	
186	London Borough of Hillingdon	LAND AT CESSNA ROAD HEATHROW AIRPORT HOUNSLOW	62360/APP/2015/4277	Outline application for the erection of a 298 room hotel (Matters reserved: Landscaping) at Terminal 2 Heathrow Airport.	Approved	19/11/2015	
187	London Borough of Hillingdon	65 ETON ROAD HARLINGTON	26756/APP/2015/4331	Change of Use from 6-bed House in Multiple Occupation (Use Class C4) to use as a 8-bed House in Multiple Occupation (Sui Generis) involving extension to existing crossovers to front and side	Approved	24/11/2015	
188	London Borough of Hillingdon	7 WARNER CLOSE HARLINGTON	23052/APP/2015/4322	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.9 metres	Prior Approval N/Req	25/11/2015	
189	London Borough of Hillingdon	6 WINDSOR PARK ROAD HARLINGTON	15436/APP/2015/4420	Single storey rear extension (Retrospective)	Approved	01/12/2015	
190	London Borough of Hillingdon	49 BATH ROAD HARLINGTON TW6 2AL	20640/APP/2015/4487	Erection of an environmentally friendly diesel filling station with associated cashier cabin, fuel tanks and canopy	Approved	07/12/2015	
191	London Borough of Hillingdon	PROPOSED CARGO TUNNEL SOUTH PLANT ROOM SOUTHAMPTON ROAD HEATHROW AIRPORT	71466/APP/2015/4592	Proposed cargo tunnel south plant room (Consultation Under Part 8, Class F of the Town and Country Planning (General Permitted Development) (England) Order 2015)	No objection	11/12/2015	
192	London Borough of Hillingdon	297 HIGH STREET HARLINGTON	14082/APP/2015/4601	Single storey rear infill extension and conversion of garage to habitable use involving alterations to front and rear elevations	Approved	16/12/2015	
193	London Borough of Hillingdon	FLAT 8 ARBOUR COURT 475 HIGH STREET HARLINGTON	69967/APP/2015/4690	Conversion of roof space into habitable use to include 2 front rooflights	Approved	22/12/2015	
194	London Borough of Hillingdon	WORLD BUSINESS CENTRE 4 NEWALL ROAD HEATHROW AIRPORT	71487/APP/2015/4718	Erection of a four storey office building (Use Class B1) with basement parking and roof top plant (Outline application)	Approved	23/12/2015	
195	London Borough of Hillingdon	TECHNICAL BLOCK C EASTCHURCH ROAD HEATHROW AIRPORT	51154/APP/2015/4737	Retrospective application for the installation of Dust Vents and associated works	Approved	29/12/2015	
196	London Borough of Hillingdon	MCDONALDS RESTAURANT 400 BATH ROAD LONGFORD	51074/APP/2016/539	Two single storey side extensions, reconfiguration of drive through lane, kerb, new island, new customer order displays with associated canopies and installation of cladding to roof	Approved	08/01/2016	
197	London Borough of Hillingdon	TEMPORARY CAR PARK SITE SEALAND ROAD HEATHROW AIRPORT	65688/APP/2016/94	Erection of multi-deck car park for use by Gate Gourmet and British Airways staff (Outline application with details of access, appearance, layout and scale)	Approved	11/01/2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
198	London Borough of Hillingdon	Unit 521A STIRLING ROAD HEATHROW AIRPORT TW6 3JJ	70845/APP/2016/113	Application for a non-material amendment to planning permission Ref: 70845/APP/2015/1579 dated 08/07/2015 to allows amendments to remove all windows in one cargo door, addition of up to 5 windows to all other cargo doors, new 300mm deep pit between cargo doors on east elevation, switching of cargo doors on BED20 and 21, relocation of pedestrian fire exit and addition of electric car charging point on west elevation (External alterations and associated work to all elevations)	Approved	12/01/2016	
199	London Borough of Hillingdon	13 WARNER CLOSE HARLINGTON MIDDLESEX UB3 5LG	70006/APP/2016/102	Conversion of roof space to habitable use to include a rear dormer, 2 front rooflights and conversion of roof from hip to gable end with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	12/01/2016	
200	London Borough of Hillingdon	13 WARNER CLOSE HARLINGTON MIDDLESEX UB3 5LG	70006/APP/2016/101	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.9 metres, and for which the height of the eaves would be 2.4 metres	Prior Approval N/Req	12/01/2016	
201	London Borough of Hillingdon	6 ETON ROAD HARLINGTON UB3 5HR	71546/APP/2016/267	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 4 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	22/01/2016	
202	London Borough of Hillingdon	4-7 SKYPORT DRIVE HARMONDSWORTH	51944/APP/2016/397	Erection of new security fence and gates	Approved	02/02/2016	
203	London Borough of Hillingdon	35 THE CRESCENT HARLINGTON	47334/APP/2016/487	Installation of vehicular crossover to front and formation of a hardstanding	Approved	08/02/2016	
204	London Borough of Hillingdon	THE PORTAL SCYLLA ROAD HEATHROW AIRPORT	50270/APP/2016/592	Application for a non-material amendment to application reference 50270/APP/2014/3315 (Reserved matters of access, appearance, landscaping, layout and scale for Phase 3 Unit 1 of outline planning permission 50270/APP/2011/2570) for the re-alignment of a kerb line, minor amendment to the access bellmouth location and alterations to a substation.	Approved	15/02/2016	
205	London Borough of Hillingdon	16 BROWNGRAVES ROAD HARLINGTON	12686/APP/2016/619	Single-storey side and rear extension	Approved	16/02/2016	
206	London Borough of Hillingdon	359 HIGH STREET HARLINGTON	53801/APP/2016/722	Porch to front involving demolition of existing porch.	Approved	22/02/2016	
207	London Borough of Hillingdon	TECHNICAL BLOCK A CRANFORD LANE HEATHROW	50462/APP/2016/787	Listed Building Consent to affix four signs to the south-west facade of Grade II Listed Technical Block A.	Approved	24/02/2016	
208	London Borough of Hillingdon	RADISSON BLU EDWARDIAN HEATHROW BATH ROAD HARLINGTON	411/APP/2016/891	Installation of a temporary storage building	Approved	02/03/2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
209	London Borough of Hillingdon	438 SIPSON ROAD SIPSON	58243/APP/2016/918	Single storey rear extension	Approved	03/03/2016	
210	London Borough of Hillingdon	WEST OF TERMINAL 4 ROUNDABOUT HEATHROW AIRPORT HOUNSLOW	24177/APP/2016/961	Gas pressure reduction station relocation (Consultation Under Part 8, Class F of the Town and Country Planning (General Permitted Development) (England) Order 2015)	No objection	07/03/2016	
211	London Borough of Hillingdon	HEATHROW POINT WEST 234 BATH ROAD HEATHROW UB3 5AP	41331/APP/2016/1035	Erection of a 4 storey hotel extension building to accommodate 108 rooms with a covered link bridge connecting the existing building, with associated ancillary works.	Approved	11/03/2016	
212	London Borough of Hillingdon	MANOR COURT HIGH STREET HARMONDSWORTH	25525/APP/2016/1091	Change of use of existing building to a house in multiple occupation (HMO), including retention of 10 bed sitting units with parking for 7 cars for a temporary period of three years (application for full Planning Permission)	Approved	16/03/2016	
213	London Borough of Hillingdon	4/5 SKYPORT DRIVE HARMONDSWORTH	71751/APP/2016/1239	Change of use from storage (Use Class B8) to use for vehicle rental (Sui Generis)	Approved	31/03/2016	
214	London Borough of Hillingdon	10 WARNER CLOSE HARLINGTON MIDDLESEX UB3 5LG	71414/APP/2016/1323	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.9 metres, and for which the height of the eaves would be 2.9 metres	Prior Approval N/Req	05/04/2016	
215	London Borough of Hillingdon	EASYHOTEL HEATHROW BRICKFIELD LANE HARLINGTON UB3 5DX	18/APP/2016/1416	Change of use from Use Class B1 (former mini- cab/chauffeurs office) to Use Class C1 (Hotel) (Retrospective).	Approved	11/04/2016	
216	London Borough of Hillingdon	EASYHOTEL HEATHROW BRICKFIELD LANE HARLINGTON UB3 5DX	18/APP/2016/1414	Rear infill extension (Retrospective)	Approved	11/04/2016	
217	London Borough of Hillingdon	9 OXFORD AVENUE HARLINGTON	51023/APP/2016/1513	Single storey detached outbuilding to rear for use as a games room/gym involving the demolition of existing outbuilding, relocation of existing gates to side (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	18/04/2016	
218	London Borough of Hillingdon	6 BROWNGRAVES ROAD HARLINGTON	36832/APP/2016/1531	Single storey detached outbuilding to rear for use as a gym/storage (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	19/04/2016	
219	London Borough of Hillingdon	172 HIGH STREET HARLINGTON	11724/APP/2016/1541	Single storey side/rear extension involving demolition of existing side/rear elements.	Approved	20/04/2016	
220	London Borough of Hillingdon	11 BOMER CLOSE SIPSON UB7 0JP	71842/APP/2016/1570	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.9 metres	Prior Approval N/Req	25/04/2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
221	London Borough of Hillingdon	68 BATH ROAD HARLINGTON	30847/APP/2016/1612	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.7 metres	Prior Approval N/Req	26/04/2016	
222	London Borough of Hillingdon	20 PENNINE WAY HARLINGTON UB3 5LL	71857/APP/2016/1654	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 2.85 metres, and for which the height of the eaves would be 2.75 metres	Prior Approval N/Req	29/04/2016	
223	London Borough of Hillingdon	297 HIGH STREET HARLINGTON	14082/APP/2016/1811	Single storey rear infill extension, demolition of existing garage and erection of rear extension involving alterations to front, side and rear elevations	Approved	12/05/2016	
224	London Borough of Hillingdon	24 LANGLEY CRESCENT HARLINGTON HA5 5PJ	15359/APP/2016/1834	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	13/05/2016	
225	London Borough of Hillingdon	364 CRANFORD LANE HARLINGTON MIDDLESEX UB3 5HD	57782/APP/2016/1910	Single storey rear extension.	Approved	19/05/2016	
226	London Borough of Hillingdon	2 CRANFORD LANE HARLINGTON	20737/APP/2016/1912	Single storey side extension	Approved	19/05/2016	
227	London Borough of Hillingdon	297 HIGH STREET HARLINGTON	14082/APP/2016/1941	Single storey side/rear extension, alteration to side elevation and changes to the external materials of the roof	Approved	23/05/2016	
228	London Borough of Hillingdon	67 ETON ROAD HARLINGTON MIDDLESEX UB3 5HT	66807/APP/2016/1952	Single storey detached outbuilding to rear for use as play/games room and storage(Application for a Certificate of Lawful Development for a Proposed Development)	Approved	24/05/2016	
229	London Borough of Hillingdon	IAG CARCO CAMPUS SEALAND ROAD HEATHROW AIRPORT TW6 3FD	50045/APP/2016/2081	Erection of a new 11,520 sq.m (GIA) cargo handling facility (B8 use), ancillary buildings totalling 330 sq.m and associated works including changes to site access and reconfiguration of landside and airside parking.	Approved	31/05/2016	
230	London Borough of Hillingdon	CO-OP STORE, 222-224 HIGH STREET HARLINGTON	60948/APP/2016/2113	Installation of new extract vent, minor shopfront additions and plant platform access alterations	Approved	01/06/2016	
231	London Borough of Hillingdon	39 MOOR LANE HARMONDSWORTH	28306/APP/2016/2213	Part two storey, part single storey rear extension	Approved	16/06/2016	
232	London Borough of Hillingdon	TEMPORARY CAR PARK SITE SEALAND ROAD HEATHROW AIRPORT	65688/APP/2016/2518	Details of a low energy lighting scheme and construction training in compliance with conditions 16 and 17 of outline planning permission ref: 65688/APP/2016/94 dated 07-03-2016 (Erection of multi-deck car park for use by Gate Gourmet and British Airways staff).	Approved	30/06/2016	
233	London Borough of Hillingdon	6 BROWNGRAVES ROAD HARLINGTON	36832/APP/2016/2590	Ground floor rear conservatory	Approved	04/07/2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
234	London Borough of Hillingdon	5 NEW ROAD HARLINGTON UB3 5BD	72099/APP/2016/2846	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.95 metres	Prior Approval N/Req	25/07/2016	
235	London Borough of Hillingdon	MCDONALDS RESTAURANT 400 BATH ROAD LONGFORD	51074/APP/2016/2924	Installation of new bin store	Approved	28/07/2016	
236	London Borough of Hillingdon	DOUGLAS WEBB HOUSE, 546 SIPSON ROAD SIPSON	11068/APP/2016/2994	Change of use of former police section house (Sui Generis) to 90 bedroom hotel (Use Class C1) with ancillary restaurant, car parking and associated facilities.	Approved	04/08/2016	
237	London Borough of Hillingdon	9 DOGHURST AVENUE HARLINGTON	42900/APP/2016/3178	Conversion of roofspace to habitable use to include 1 rear dormer, 1 side dormer and 2 front rooflights (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	22/08/2016	
238	London Borough of Hillingdon	7 DOGHURST AVENUE HARLINGTON	27768/APP/2016/3177	Conversion of roofspace to habitable use to include 1 rear dormer, 1 side dormer and 2 front rooflights (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	22/08/2016	
239	London Borough of Hillingdon	20 BLUNTS AVENUE SIPSON UB7 0DR	71905/APP/2016/3254	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.136 metres, and for which the height of the eaves would be 2.1 metres	Prior Approval N/Req	30/08/2016	
240	London Borough of Hillingdon	BUILDING 1071 SOUTHAMPTON ROAD HEATHROW AIRPORT	51743/APP/2016/3269	Installation of an extract duct from existing boiler house, to vent CO2 emissions from gas boilers	Approved	31/08/2016	
241	London Borough of Hillingdon	SERVICE STATION BATH ROAD HARLINGTON	10606/APP/2016/3295	Replacement of polycarbonate roof and new metal gate	Approved	01/09/2016	
242	London Borough of Hillingdon	67 ETON ROAD HARLINGTON MIDDLESEX UB3 5HT	66807/APP/2016/3411	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.9 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	12/09/2016	
243	London Borough of Hillingdon	543 BATH ROAD LONGFORD	23092/APP/2016/3617	Two storey side extension and single storey rear extension involving demolition of garage.	Approved	30/09/2016	
244	London Borough of Hillingdon	BUILDING 1204 SANDRINGHAM ROAD HEATHROW AIRPORT	72268/APP/2016/3712	Proposed two storey side extension to Building 1204, addition of entrance canopies and increase to the height of the existing roof and addition of a pitched roof with louvre vents and roof lights.	Approved	06/10/2016	
245	London Borough of Hillingdon	29 BROWNGRAVES ROAD HARLINGTON UB3 5BN	25266/APP/2016/3759	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 2.96 metres, and for which the height of the eaves would be 2.8 metres.	Prior Approval N/Req	11/10/2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
246	London Borough of Hillingdon	35 BLUNTS AVENUE SIPSON	66025/APP/2016/3798	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.92 metres	Prior Approval N/Req	14/10/2016	
247	London Borough of Hillingdon	SHELL HEATHROW PEGGY BEDFORD 400 BATH ROAD LONGFORD UB7 0EA	51074/APP/2016/3914	Installation of ATM and associated bollards (Retrospective).	Approved	24/10/2016	
248	London Borough of Hillingdon	35 LANGLEY CRESCENT HARLINGTON	65894/APP/2016/3931	Conversion of roof space to habitable use to include a rear dormer, 2 front rooflights and conversion of roof from hip to gable end with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	25/10/2016	
249	London Borough of Hillingdon	HOLLOWAY FARM HARMONDSWORTH ROAD WEST DRAYTON	2688/APP/2016/3948	Change of use of land from garden centre/nursery to a vehicle maintenance area involving erection of workshop and demolition of glass house and poly tunnels (Retrospective)	Appealed awaiting decision	26/10/2016	
250	London Borough of Hillingdon	SUMMIT CENTRE SKYPORT DRIVE HARMONDSWORTH UB7 0LY	9420/APP/2016/3974	Formation of new access from Skyport Drive to Car Park for Units 5 and 6 and changes to car parking layouts and changes to north elevation of Units 1 and 6 to enable installation of roller shutters, general layout revisions and provision of new landscaping	Approved	28/10/2016	
251	London Borough of Hillingdon	10 HARLINGTON CLOSE HARLINGTON	5200/APP/2016/4003	Part two storey, part single storey side/rear extension and conversion of 3-bed dwelling into 2 x 2 bed self contained flats with associated parking and amenity space	Approved	01/11/2016	
252	London Borough of Hillingdon	35 BLUNTS AVENUE SIPSON	66025/APP/2016/4013	Part two storey, part single storey rear extension	Approved	02/11/2016	
253	London Borough of Hillingdon	14 PINGLESTONE CLOSE HARMONDSWORTH	20426/APP/2016/4019	Single storey detached outbuilding to rear for use as a playroom/bathroom (Retrospective).	Approved	03/11/2016	
254	London Borough of Hillingdon	13 PINGLESTONE CLOSE HARMONDSWORTH	29800/APP/2016/4154	Conversion of roof space to habitable use to include a rear dormer, 3 front rooflights and single storey rear extension (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	15/11/2016	
255	London Borough of Hillingdon	CUSTOMS HOUSE BUILDING495 NENE ROAD HEATHROW AIRPORT TW6 2LA	38090/APP/2016/4202	Installation of CCTV Cameras and replacement lighting	Approved	18/11/2016	
256	London Borough of Hillingdon	STATUS PARK 3 NOBEL DRIVE HARLINGTON UB3 5EY	69183/APP/2016/4299	Prior Approval for the change of use from Use Class B1(a) (Offices) to Use Class C3 (Residential) to provide 30 self-contained flats (15 x 1 bed and 15 x 2 bed units) with provision of cycle and refuse storage	Approved	28/11/2016	
257	London Borough of Hillingdon	BUILDING 2, STATUS PARK NOBEL DRIVE HARLINGTON UB3 5EY	72408/APP/2016/4382	Prior Approval for the change of use from Use Class B1(a)(Offices) to Use Class C3 (Residential) to provide 42 self-contained units (32 x 1-bed and 10 x 2-bed) with provision of cycle and refuse storage.	Approved	01/12/2016	

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
258	London Borough of Hillingdon	BERKELEY PARK APARTMENTS MARLBOROUGH CRESCENT HARLINGTON UB3 5FG	31642/APP/2016/4411	Proposed change of use from apartment hotel (Use Class C1) to a homeless persons hostel and associated external works	Approved	08/12/2016	
259	London Borough of Hillingdon	32 LANGLEY CRESCENT HARLINGTON MIDDLESEX	58066/APP/2016/4638	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres.	Prior Approval N/Req	23/12/2016	
260	London Borough of Hillingdon	330 BATH ROAD HARMONDSWORTH	52812/APP/2017/152	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.825 metres, and for which the height of the eaves would be 2.75 metres.	Prior Approval N/Req	11/01/2017	
261	London Borough of Hillingdon	HEATHROW POINT WEST 234 BATH ROAD HEATHROW UB3 5AP	41331/APP/2017/111	Erection of a new 4th floor extension to the existing building (being converted as a hotel) to accommodate a gym, admin offices and plant room	Approved	11/01/2017	
262	London Borough of Hillingdon	LONDON HEATHROW MARRIOTT HOTEL BATH ROAD HEATHROW UB3 5AN	12502/APP/2017/190	Alterations to fenestration of building and internal/external alterations	Approved	18/01/2017	
263	London Borough of Hillingdon	ibis STYLES Heathrow Airport 272 BATH ROAD HARLINGTON UB3 5AY	464/APP/2017/292	Erection of fourth storey extension and associated alteration to the elevation.	Approved	25/01/2017	
264	London Borough of Hillingdon	338 HIGH STREET HARLINGTON	1009/APP/2017/379	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.9 metres, and for which the height of the eaves would be 2.9 metres.	Prior Approval N/Req	01/02/2017	
265	London Borough of Hillingdon	9 BATH ROAD HEATHROW	64919/APP/2017/435	Construction of new drive through window pod and over cladding sections of the building with timber effect panels and redecorating on existing shop-front sash work	Approved	07/02/2017	
266	London Borough of Hillingdon	MONDIAL HOUSE, 5 MONDIAL WAY HARLINGTON	45516/APP/2017/434	Change of use from an existing office (Class B1(a)) to 16 residential units (Class C3) (Prior Approval Application).	Approved	07/02/2017	
267	London Borough of Hillingdon	13 OXFORD AVENUE HARLINGTON	7982/APP/2017/471	Conversion of roofspace to habitable use to include a rear dormer, 2 front rooflights and conversion of roof from hip to gable end with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	09/02/2017	
268	London Borough of Hillingdon	9 TRIUMPH CLOSE HARLINGTON	20104/APP/2017/467	Conversion of roof space to habitable use to include a rear dormer (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	09/02/2017	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
269	London Borough of Hillingdon	BRITISH AIRWAYS TBA EAST OPERATIONS BASE VANGUARD WAY HEATHROW AIRPORT	50462/APP/2017/480	To remove lift cars and car doors of lifts 3, 4, 7 and 8 and replacement of the button panels in the walls and the over lift position indicators (Application for a Certificate of Lawful Development for a Proposed Development).	Approved	10/02/2017	
270	London Borough of Hillingdon	RADISSON BLU EDWARDIAN HEATHROW BATH ROAD HARLINGTON	411/APP/2017/486	First floor extension to create 5 additional hotel rooms for a temporary period of five years	Approved	10/02/2017	
271	London Borough of Hillingdon	9 BATH ROAD HEATHROW	64919/APP/2017/540	Installation of an electric vehicle charger	Approved	15/02/2017	
272	London Borough of Hillingdon	HARMONDSWORTH IMMIGRATION DETENTION CENTRE COLNBROOK BY-PASS LONGFORD	8190/APP/2017/564	Creation of a new 164 space staff car park.	Undecided received 16/2/17	16/02/2017	
273	London Borough of Hillingdon	611 SIPSON ROAD WEST DRAYTON UB7 0JD	43922/APP/2017/661	Use of site as a hand car wash business. (Retrospective).	Undecided received 22/2/17	22/02/2017	
274	London Borough of Hillingdon	502 SIPSON ROAD SIPSON	7141/APP/2017/700	First floor side/rear extension	Approved	27/02/2017	
275	London Borough of Hillingdon	HEATHROW ANIMAL RECEPTION CENTRE BEACON ROAD HEATHROW AIRPORT TW6 3JF	49864/APP/2017/750	Installation of a cabin to be used as an animal check-in facility for a temporary period of 5 years involving removal of existing container	Approved	01/03/2017	
276	London Borough of Hillingdon	2 DORTON VILLAS BATH ROAD SIPSON	14269/APP/2017/773	Conversion of roof space to habitable use to include a rear dormer, and 2 front rooflights (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	01/03/2017	
277	London Borough of Hillingdon	48 PINGLESTONE CLOSE HARMONDSWORTH	49852/APP/2017/820	Part two storey, part single storey side/rear extension, conversion of roofspace to habitable use to include a rear dormer and conversion from 1 x 3-bed dwelling to 2 x 2-bed flats and 1 x studio flat with associated amenity space.	Appealed awaiting decision	06/03/2017	
278	London Borough of Hillingdon	297 HIGH STREET HARLINGTON	14082/APP/2017/868	Change of use from single family dwelling (Use Class C3) to a 6-bed House in Multiple Occupation (Sui Generis)	Appealed awaiting decision	09/03/2017	
279	London Borough of Hillingdon	UNIT 6 AIRPORT GATE BATH ROAD HARMONDSWORTH UB7 0NA	68176/APP/2017/904	Retrospective change of use from Warehouse (Use Class B1(c) and B8 to vehicle rental (Use Class Sui Generis).	Approved	10/03/2017	
280	London Borough of Hillingdon	370 HIGH STREET HARLINGTON UB3 5LF	72687/APP/2017/1012	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.9 metres, and for which the height of the eaves would be 2.9 metres.	Prior Approval N/Req	20/03/2017	
281	London Borough of Hillingdon	48 LANGLEY CRESCENT HARLINGTON	25841/APP/2017/1010	Part two storey, part single storey side/rear extension	Approved	20/03/2017	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
282	London Borough of Hillingdon	76 BATH ROAD HARLINGTON UB3 5AL	72718/APP/2017/1106	Single storey outbuilding to rear for use as a gym (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	27/03/2017	
283	London Borough of Hillingdon	BUILDING 3, STATUS PARK NOBEL DRIVE HARLINGTON UB3 5EY	69183/APP/2017/1363	Prior Approval Application for the change of use from Use Class B1(a) (Offices) to Use Class C3 (Residential) to provide 36 self-contained flats (4 x studios, 29 x 1-bed and 3 x 2-bed units) with provision of recycling and refuse storage.	Approved	13/04/2017	
284	London Borough of Hillingdon	BUILDING 4 STATUS PARK NOBEL DRIVE HARLINGTON	46616/APP/2017/1362	Prior Approval Application for the change of use from Use Class B1(a) (Offices) to Use Class C3 (Residential) to provide 45 self-contained flats (38 x 1-bed and 7 x 2-bed units) with provision of recycling and refuse storage.	Approved	13/04/2017	
285	London Borough of Hillingdon	EAST OPERATIONS BASE VANGUARD WAY HEATHROW AIRPORT TW6 2FH	50462/APP/2017/1440	Erection of new security facilities at Gate E11 and Turnstiles E10 including a security hut, canopies and other associated works	Approved	21/04/2017	
286	London Borough of Hillingdon	WORLD BUSINESS CENTRE 4 NEWALL ROAD HEATHROW AIRPORT	71487/APP/2017/1605	Minor material amendment to planning permission ref. 71487/APP/2015/4718 dated 23/05/2016: Erection of a four storey office building (Use Class B1) with basement parking and roof top plant (Outline application) to amend the approved plans, comprising alternative elevational treatment to the central section of the side elevations, an increase in roof height and a reduction in height of the roof top plant enclosure and delete condition 7 (Details of Revised Roof Plant Enclosure).	Approved	04/05/2017	
287	London Borough of Hillingdon	Renaissance London Heathrow Hotel BATH ROAD HEATHROW TW6 2AQ	12004/APP/2017/1617	Single storey glazed seating area	Approved	04/05/2017	
288	London Borough of Hillingdon	17 LANGLEY CRESCENT HARLINGTON	43942/APP/2017/1840	Conversion of roof space to habitable use to include a rear dormer, 2 front roof lights and conversion of roof from hip to gable end with 2 new gable end windows (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	18/05/2017	
289	London Borough of Hillingdon	364 CRANFORD LANE HARLINGTON MIDDLESEX UB3 5HD	57782/APP/2017/1863	First floor rear extension and first floor side/rear extension.	Approved	19/05/2017	
290	London Borough of Hillingdon	21 LANGLEY CRESCENT HARLINGTON	18969/APP/2017/1972	Conversion of roof space to habitable use to include a rear dormer and 1 front roof light (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	30/05/2017	
291	London Borough of Hillingdon	7 CROFT CLOSE HARLINGTON	25529/APP/2017/2062	First floor rear extension	Approved	05/06/2017	
292	London Borough of Hillingdon	327 HIGH STREET HARLINGTON UB3 5DQ	44127/APP/2017/2183	Single storey rear extension.	Approved	15/06/2017	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
293	London Borough of Hillingdon	9 DOGHURST AVENUE HARLINGTON	42900/APP/2017/2237	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	20/06/2017	
294	London Borough of Hillingdon	7 DOGHURST AVENUE HARLINGTON UB3 5BJ	27768/APP/2017/2238	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	20/06/2017	
295	London Borough of Hillingdon	62 LANGLEY CRESCENT HARLINGTON MIDDLESEX UB3 5HN	13149/APP/2017/2260	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.9 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	23/06/2017	
296	London Borough of Hillingdon	172 HIGH STREET HARLINGTON	11724/APP/2017/2293	Conversion of roof space to habitable use to include 2 rear dormers, 2 front roof lights and gable end window.	Approved	23/06/2017	
297	London Borough of Hillingdon	18 FIELD CLOSE HARLINGTON MIDDLESEX	72782/APP/2017/2370	Single storey rear extension involving demolition of existing extension and outbuilding.	Approved	28/06/2017	
298	London Borough of Hillingdon	48 LANGLEY CRESCENT HARLINGTON	25841/APP/2017/2389	Part two storey, part single storey side/rear extension	Approved	30/06/2017	
299	London Borough of Hillingdon	LONDON HEATHROW MARRIOTT HOTEL BATH ROAD HEATHROW UB3 5AN	12502/APP/2017/2390	Alterations to elevations	Approved	30/06/2017	
300	London Borough of Hillingdon	1 AND 2 CROFT CLOSE HARLINGTON UB3 5NE	73008/APP/2017/2418	2 x first floor rear extensions	Approved	04/07/2017	
301	London Borough of Hillingdon	IAG CARGO CAMPUS SEALAND ROAD HEATHROW AIRPORT TW6 3FD	50045/APP/2017/2462	Temporary planning permission for single storey portal frame structure forming a controlled temperature facility for British Airways linked via a mechanical truck dock to the existing facility	Approved	06/07/2017	
302	London Borough of Hillingdon	450 BATH ROAD LONGFORD	26418/APP/2017/2653	Prior Approval Application for the change of use from office accommodation (Use Class B1a) to 66 residential units (Use Class C3)	Approved	20/07/2017	
303	London Borough of Hillingdon	OAKLEY COURT 80A THE CRESCENT HARLINGTON UB3 5NS	46970/APP/2017/2663	Application for a new planning permission to replace an extant planning permission in order to raise roof and installation of 3 dormers to allow conversion of roofspace to habitable use to create 1 x 1-bed flat with associated parking.	Undecided	21/07/2017	
304	London Borough of Hillingdon	29 MANOR LANE HARLINGTON	15434/APP/2017/2674	Single storey side extension involving demolition of existing garage	Approved	21/07/2017	
305	London Borough of Hillingdon	29 MANOR LANE HARLINGTON	15434/APP/2017/2673	Conversion of roofspace to habitable use to include a front dormer.	Undecided	21/07/2017	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
306	London Borough of Hillingdon	29 MANOR LANE HARLINGTON	15434/APP/2017/2652	Conversion of roofspace to habitable use to include a rear dormer and 2 front rooflights (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	21/07/2017	
307	London Borough of Hillingdon	94a WEST END LANE HARLINGTON UB3 5LX	73061/APP/2017/2733	Single storey detached greenhouse/store to rear (Retrospective)	Approved	26/07/2017	
308	London Borough of Hillingdon	13 STRATHEARN AVENUE HARLINGTON UB3 5HJ	73058/APP/2017/2719	Conversion of roof space to habitable use to include a rear dormer, 2 front roof lights, conversion of roof from hip to gable end with a new gable end window and porch to front (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	26/07/2017	
309	London Borough of Hillingdon	96 ETON ROAD HARLINGTON	56836/APP/2017/2778	Conversion of 3-bed dwelling into 2 x 2-bed self-contained flats with associated parking and amenity space and alterations to elevations.	Undecided	28/07/2017	
310	London Borough of Hillingdon	PRINCESS HOUSE NOBEL DRIVE HARLINGTON UB3 5EY	50524/APP/2017/2841	Change of use of ground, first and second floors of existing building from Class B1(a) (offices) to Class C3 (dwellinghouses) to provide 24 flats (Notification for Prior Approval under Schedule 2, Part 3, Class O of the Town and Country Planning (General Permitted Development) Order 2015)	Approved	02/08/2017	
311	London Borough of Hillingdon	BUILDING 2, STATUS PARK NOBEL DRIVE HARLINGTON UB3 5EY	72408/APP/2017/3021	Prior Approval for the change of use from Use Class B1(a) (Offices) to Use Class C3 (Residential) to provide 46 self-contained units (6 x studio flats, 38 x 1-bed flats, and 2 x 2-bed flats) with provision of car parking, cycle and refuse storage.	Approved	17/08/2017	
312	London Borough of Hillingdon	5 FIELD CLOSE HARLINGTON	33279/APP/2017/3121	Internal alterations to existing outbuilding to include new bathroom and boiler room and insertion of new window to rear elevation	Approved	25/08/2017	
313	London Borough of Hillingdon	5 FIELD CLOSE HARLINGTON	33279/APP/2017/3120	First floor rear extension	Approved	25/08/2017	
314	London Borough of Hillingdon	66 BLUNTS AVENUE SIPSON	73147/APP/2017/3156	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 2.85 metres, and for which the height of the eaves would be 2.85 metres	Prior Approval N/Req	31/08/2017	
315	London Borough of Hillingdon	57 BLUNTS AVENUE SIPSON	39327/APP/2017/3168	Single storey side extension.	Approved	30/08/2017	
316	London Borough of Hillingdon	9 SIPSON LANE HARLINGTON	2321/APP/2017/3321	Conversion of roof space to habitable use to include a rear dormer and a side dormer.	Approved	12/09/2017	
317	London Borough of Hillingdon	4 CRANESWATER HARLINGTON	59380/APP/2017/3377	Single storey rear extension. (Application for a Certificate of Lawful Development for an Existing Development)	Approved	15/09/2017	
318	London Borough of Hillingdon	12 STRATHEARN AVENUE HARLINGTON UB3 5HJ	73220/APP/2017/3606	Single storey side/rear extension	Approved	05/10/2017	

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
319	London Borough of Hillingdon	MANOR COURT HIGH STREET HARMONDSWORTH UB7 0AQ	27256/APP/2017/3723	Alterations and conversion of the Manor Lodge into 2 No. 4-bedroom houses; conversion of the Stable Building into 4 No. 1-bedroom and 2 No. 2-bedroom flats and 2 No. 2-bedroom cottages; conversion of the Office Barn into 1 No. studio flat, 1 No. 1- bedroom flat, 2 No. 2-bedroom houses and 1 No. 3-bedroom house; retention of the Granary Building and conversion to garden store; upgrade of boundary treatments; reinstatement of yard pond, together with associated parking and landscaping. (Application for Listed Building Consent).	Undecided	11/10/2017	
320	London Borough of Hillingdon	MANOR COURT HIGH STREET HARMONDSWORTH UB7 0AQ	27256/APP/2017/3721	Alterations and conversion of the Manor Lodge into 2 no. 4-bedroom houses; conversion of the Stable Building into 4 no.1-bedroom and 2 no. 2-bedroom flats and 2 no. 2-bedroom cottages; conversion of the Office Barn into 1 no. studio flat, 1 no.1- bedroom flat, 2 no. 2-bedroom houses and 1 no. 3- bedroom house; retention of the Granary Building and conversion to garden store; upgrade of boundary treatments; reinstatement of yard pond, together with associated parking and landscaping.	Undecided	11/10/2017	
321	London Borough of Hillingdon	382 SIPSON ROAD WEST DRAYTON UB7 0HU	70385/APP/2017/3794	Retention of hardstanding and provision of landscaping to front and relocation of cycle and bin store to rear (Part Retrospective)	Approved	18/10/2017	
322	London Borough of Hillingdon	38 BLUNTS AVENUE SIPSON UB7 0DS	69276/APP/2017/3852	Veranda at rear of property	Undecided	23/10/2017	
323	London Borough of Hillingdon	EAST OPERATIONS BASE VANGUARD WAY HEATHROW AIRPORT TW6 2FH	50462/APP/2017/3862	Relocation of oxygen recharging facility	Approved	24/10/2017	
324	London Borough of Hillingdon	25 CRANESWATER HARLINGTON	21829/APP/2017/3899	Single storey rear extension	Undecided	26/10/2017	
325	London Borough of Hillingdon	LAND AT HARMONDSWORTH HOLLOWAY CLOSE HARMONDSWORTH	73289/APP/2017/3976	Phased mineral extraction, erection of a low profile processing and concrete plant, importation and treatment of reclamation material including ancillary activities, with restoration to agriculture.	Undecided	01/11/2017	
326	London Borough of Hillingdon	29 RAYWOOD CLOSE HARLINGTON	61007/APP/2017/3992	Two storey side extension and first floor rear extension	Undecided	03/11/2017	
327	London Borough of Hillingdon	355 HIGH STREET HARLINGTON	29554/APP/2017/3997	Use of property as two self- contained flats (Application for a Certificate of Lawful Development for an Existing Use)	Approved	03/11/2017	
328	London Borough of Hillingdon	36 SIPSON CLOSE SIPSON	10824/APP/2017/3990	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 4 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	03/11/2017	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
329	London Borough of Hillingdon	57 BLUNTS AVENUE SIPSON	39327/APP/2017/4034	Conversion of roof space to habitable use to include a rear dormer and conversion of roof from hip to gable end (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	07/11/2017	
330	London Borough of Hillingdon	SIPSON RECREATION GROUND SIPSON WAY SIPSON UB7 0DW	11720/APP/2017/4058	Replacement sports club building with associated external works.	Approved	08/11/2017	
331	London Borough of Hillingdon	20 BROWNGRAVES ROAD HARLINGTON	4547/APP/2017/4105	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior Approval N/Req	13/11/2017	
332	London Borough of Hillingdon	20 BROWNGRAVES ROAD HARLINGTON	4547/APP/2017/4084	Single storey outbuilding to rear for use as a gym/games room (Application for a Certificate of Lawful Development for an Proposed Development)	approved	13/11/2017	
333	London Borough of Hillingdon	IAG CARGO CAMPUS SEALAND ROAD HEATHROW AIRPORT TW6 3FD	50045/ADV/2017/127	Replacement of 2 existing fascia signs mounted on cargo buildings with 2 new non-illuminated fascia signs	Approved	20/11/2017	
334	London Borough of Hillingdon	SUMMIT CENTRE SKYPORT DRIVE HARMONDSWORTH UB7 0LY	9420/APP/2017/4321	Provision of 1.8 metre high metal palisade fence and automated gates to control access to service yards associated with Units 1-6.	Undecided	29/11/2017	
335	London Borough of Hillingdon	BOADICEA HOUSE VANGUARD WAY HEATHROW AIRPORT TW6 2	68664/APP/2017/4316	Upgrade to the perimeter fencing and associated works	Approved	29/11/2017	
336	London Borough of Hillingdon	41 ASHBY WAY SIPSON UB7 0JW	46060/APP/2017/4413	Application for a new planning permission to replace an extant planning permission in order to extend the time limit for implementation (Ref: 46060/APP/2015/30 - Application for a new planning permission to replace an extant planning permission in order to extend the time limit for implementation (Ref: 46060/APP/2012/2822 - single storey rear extension)	Approved	06/12/2017	
337	London Borough of Hillingdon	PRINCESS HOUSE NOBEL DRIVE HARLINGTON UB3 5EY	50524/APP/2017/4410	Erection of two additional storeys at roof level to existing building to comprise nine dwellings, and associated works.	Undecided	07/12/2017	
338	London Borough of Hillingdon	8 ASHBY WAY SIPSON UB7 0JW	52514/APP/2018/31	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.8 metres, and for which the height of the eaves would be 2.8 metres	Prior Approval N/Req	29/12/2017	
339	London Borough of Hillingdon	2 MANOR COURT HIGH STREET HARMONDSWORTH UB7 0AQ	70075/APP/2018/69	Change of use of an existing two storey building from offices (B1) to a college for the further education (D1), including internal alterations and the installation of secure fencing and gates	Undecided	05/01/2018	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
340	London Borough of Hillingdon	4 CAMBRIDGE CLOSE HARMONDSWORTH UB7 0AN	73449/APP/2018/78	Single storey rear infill extension and conversion of garage to habitable use to include alterations to elevations	Undecided	08/01/2018	
341	London Borough of Hillingdon	10 DOGHURST AVENUE HARLINGTON	58207/APP/2018/80	Single storey outbuilding to rear for use as a prayer room	Undecided	08/01/2018	
342	London Borough of Hillingdon	14 LANGLEY CRESCENT HARLINGTON	73468/APP/2018/184	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 4 metres, and for which the height of the eaves would be 3 metres	Undecided	15/01/2018	
343	London Borough of Hillingdon	2 MANOR COURT HIGH STREET HARMONDSWORTH UB7 0AQ	70075/APP/2018/312	Change of use of an existing two storey building from offices (B1) to a college for the further education (D1), including internal alterations and the installation of secure fencing and gates (Listed Building Consent)	Undecided	18/01/2018	
344	London Borough of Hounslow	62 Clevedon Gardens Hounslow London TW5 9TS	P/2013/0076	Certificate of lawfulness for the proposed erection of a single storey detached outbuilding in the rear end of the garden to the house for use as a garden room	Approved	07/01/2013	
345	London Borough of Hounslow	UNIT 9- 12 HASLEMERE HEATHROW ESTATE SILVER JUBILEE WAY HOUNSLOW LONDON TW4 6NF	P/2013/0142	Installation of new loading shutter door to the front elevation of unit 10, erection of new additional mezzanine floor in unit 12 for warehouse and office use and restructuring of car parking layout.	Approved	13/03/2013	
346	London Borough of Hounslow	83 FIRS DRIVE HOUNSLOW LONDON TW5 9TA	P/2013/0172	Certificate of Lawfulness for proposed erection of a single storey outbuilding in the garden.	Approved	16/01/2013	
347	London Borough of Hounslow	UNIT 9- 12 HASLEMERE HEATHROW ESTATE SILVER JUBILEE WAY HOUNSLOW LONDON TW4 6NF	P/2013/0142	Installation of new loading shutter door to the front elevation of unit 10, erection of new additional mezzanine floor in unit 12 for warehouse and office use and restructuring of car parking layout.	Approved	13/03/2013	
348	London Borough of Hounslow	JOLLY WAGGONER ROUNABOUT BATH ROAD HOUNSLOW LONDON TW4	P/2013/0226	Installation of 4 non-illuminated sponsorship signs around the existing roundabout	Appeal approved	22/01/2013	
349	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2013/0294	Expansion of the school to three forms of entry; erection of three single storey extensions and a single storey detached building to the existing primary school to provide additional pupil classroom and staff room space.	Approved	26/03/2013	
350	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2013/0529	Erection of two single storey extensions to the existing primary school to incorporate the provision of two additional classrooms to provide two bulge classes.	Approved	11/04/2013	
351	London Borough of Hounslow	18 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RE	P/2013/0490	Erection of single storey rear extension to the house and conversion of the detached garage to a storeroom.	Approved	17/04/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
352	London Borough of Hounslow	11 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	P/2013/0706	Erection of single storey rear extension and a two storey side extension to the house.	Approved	26/04/2013	
353	London Borough of Hounslow	11 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	P/2013/0662	Certificate of Lawfulness for the proposed erection of a rear roof extension at the property	Approved	29/04/2013	
354	London Borough of Hounslow	1 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	P/2013/0750	Erection of a single storey rear extension to the house	Approved	13/05/2013	
355	London Borough of Hounslow	158 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2013/0957	Certificate of Lawfulness for the proposed erection of a single storey rear extension to the house.	Approved	16/05/2013	
356	London Borough of Hounslow	88 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	P/2013/0868	Erection of a two storey side extension incorporating a hip to gable conversion of the original roof and a change of roof to the existing garage at the property	Approved	16/05/2013	
357	London Borough of Hounslow	UNIT 9- 12 HASLEMERE HEATHROW ESTATE SILVER JUBILEE WAY HOUNSLOW LONDON TW4 6NF	P/2013/0979	Installation of new loading shutter doors to unit 10 and reconfigured car parking layout	Approved	13/05/2013	
358	London Borough of Hounslow	A30/ A312 THE PARKWAY CRANFORD LONDON	P/2013/1051	Replacement of one equipment cabinet, installation of one additional equipment cabinet and installation of two 300mm dishes to the existing pole	Approved	24/04/2013	
359	London Borough of Hounslow	57 HIGH STREET CRANFORD LONDON TW5 9RQ	P/2013/1133	Replacement of existing garage in the rear garden with a two storey detached house with associated parking and amenity space.	Approved	06/06/2013	
360	London Borough of Hounslow	67 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	P/2013/0928	Use of the existing outbuilding as a cat rescue/sanctuary with additional cat boarding facilities in the rear garden of the property.	Approved	04/06/2013	
361	London Borough of Hounslow	35 WAYE AVENUE HOUNSLOW LONDON TW5 9SD	P/2013/1394	Use of the garage as an office and storage unit	Approved	20/08/2013	
362	London Borough of Hounslow	106 WAYE AVENUE HOUNSLOW LONDON TW5 9SF	P/2013/1459	Erection of detached single storey outbuilding to the rear of the house.	Approved	17/06/2013	
363	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2013/1725	Alterations to existing fencing around multi-games area to allow wider alcoves to accommodate football goals	Approved	30/08/2013	
364	London Borough of Hounslow	11 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	P/2013/1844	Erection of a two storey side and part two storey part single storey rear extension to the house	Approved	20/08/2013	
365	London Borough of Hounslow	50 Green Lane Hounslow London TW4 6JF	P/2013/1802	Erection of part two storey rear extension, part single storey rear extension and two storey side extension	Approved	06/08/2013	
366	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2013/1528	Temporary relocation of the existing modular building and erection of one temporary classroom building to the front of the school	Approved	20/08/2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
367	London Borough of Hounslow	29 ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2013/2076	Erection of a two storey side and single storey rear extension to the house.	Approved	14/08/2013	
368	London Borough of Hounslow	1 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	P/2013/2147	Erection of a single storey side extension to the house	Approved	20/08/2013	
369	London Borough of Hounslow	677 BATH ROAD HOUNSLOW LONDON TW5 9SR	P/2013/2156	Certificate of Lawfulness for the erection of a rear roof extension with hip to gable end conversion and front roof window to the house.	Approved	13/09/2013	
370	London Borough of Hounslow	1 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	P/2013/2146	Certificate of lawfulness for the proposed erection of a single storey rear extension to the house	Approved	13/11/2013	
371	London Borough of Hounslow	54 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LR	P/2013/2368	Erection of a single storey rear extension	Approved	25/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2368
372	London Borough of Hounslow	44 LICHFIELD ROAD HOUNSLOW LONDON TW4 6HS	P/2013/2412	Certificate of lawfulness for the existing use of the property as a single family house	Approved	31/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2412
373	London Borough of Hounslow	45 HIGH STREET CRANFORD LONDON TW5 9RQ	P/2013/2452	Erection of a single storey rear extension to the house.	Approved	16/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2452
374	London Borough of Hounslow	1 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	P/2013/2460	Certificate of lawfulness for the erection of a single storey detached outbuilding to the rear of the house.	Approved	30/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2460
375	London Borough of Hounslow	108 MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TU	P/2013/2512	Erection of a single storey detached garage to the side of the house	Approved	03/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2512
376	London Borough of Hounslow	1 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	PA/2013/2668	Ground floor rear extension 6 metres deep, maximum height of 2.76 metres, unspecified metres high to the eaves	Prior Approval N/Req	30/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/2668
377	London Borough of Hounslow	74 FIRS DRIVE HOUNSLOW LONDON TW5 9TD	P/2013/2713	Erection of a single storey rear extension and rear roof extension with conversion of garage into a study	Approved	24/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2713
378	London Borough of Hounslow	15 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LS	PA/2013/2848	Ground floor rear extension 3.6 metres deep, maximum height of 3.6 metres, 3.4 metres high to the eaves	Prior Approval N/Req	13/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/2848
379	London Borough of Hounslow	6 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	P/2013/3021	Certificate of Lawfulness for the erection of a rear roof extension incorporating a hip to gable conversion and 2 roof windows to the front of the house.	Approved	23/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3021
380	London Borough of Hounslow	55 CHAUCER AVENUE HOUNSLOW LONDON TW4 6NA	P/2013/3120	Erection of a single storey rear extension to the house.	Approved	23/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3120
381	London Borough of Hounslow	221 WAYE AVENUE HOUNSLOW LONDON TW5 9SJ	PA/2013/3143	Ground floor rear extension 6 metres deep, maximum height of 2.8 metres, 2.5 metres high to the eaves	Prior approval is not required	08/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/3143

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
382	London Borough of Hounslow	221 WAYE AVENUE HOUNSLOW LONDON TW5 9SJ	P/2013/3192	Application for Lawful Development Certificate for formation of a rear roof extension with roof windows to the front of the house.	Approved	30/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3192
383	London Borough of Hounslow	1 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	P/2013/3240	Erection of a two storey side extension	Approved	18/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3240
384	London Borough of Hounslow	UNIT 6 HEATHROW INTERNATIONAL TRADING ESTATE GREEN LANE HOUNSLOW LONDON TW4 6HB	P/2013/3247	Certificate of Lawful Development for the continued use of premises for vehicle storage with ancillary office space	Approved	18/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3247
385	London Borough of Hounslow	5 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	P/2013/3426	Certificate of lawfulness for the existing use of part of the premises as a minicab booking office	Lawful	12/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3426
386	London Borough of Hounslow	1 REGENT CLOSE HOUNSLOW LONDON TW4 6LJ	P/2013/3587	Erection of a two storey side and single storey rear extension	Approved	03/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3587
387	London Borough of Hounslow	41 HIGH STREET CRANFORD LONDON TW5 9RQ	P/2013/3744	Erection of an outbuilding to the rear of the property.	Approved	13/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3744
388	London Borough of Hounslow	41 HIGH STREET CRANFORD LONDON TW5 9RQ	P/2013/3993	Erection of a two storey side extension and single storey rear extension to the house	Approved	07/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3993
389	London Borough of Hounslow	29 ELY ROAD HOUNSLOW LONDON TW4 6HW	P/2013/4238	Certificate of Lawfulness for the erection of a single storey side extension.	Approved	23/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4238
390	London Borough of Hounslow	195 BEAVERS LANE HOUNSLOW LONDON TW4 6HG	P/2013/4285	Erection of a part two storey side and part two storey rear extension	Approved	28/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4285
391	London Borough of Hounslow	20 HIGH STREET CRANFORD LONDON TW5 9RG	P/2013/4295	Demolition of existing house and erection of 6 houses; formation of access road and associated parking and landscaping	Approved	13/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4295
392	London Borough of Hounslow	63 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NH	P/2014/0008	Certificate of lawfulness for the proposed erection of a hip to gable rear roof extension	Lawful	18/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0008
393	London Borough of Hounslow	228 BEAVERS LANE HOUNSLOW LONDON TW4 6HQ	P/2014/0203	Erection of a rear roof extension	Approved	27/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0203
394	London Borough of Hounslow	14 ASTON GREEN HOUNSLOW LONDON TW4 7QG	P/2014/0230	Erection of a two storey semi-detached house to replace existing following demolition	Approved	20/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0230
395	London Borough of Hounslow	133 FIRS DRIVE HOUNSLOW LONDON TW5 9TB	P/2014/0421	Demolition of part of the garage and erection of a single storey rear extension, erection of a outbuilding in rear garden and a porch at the front of the house.	Approved	07/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0421
396	London Borough of Hounslow	36 HAWTHORN CLOSE CRANFORD LONDON TW5 9TG	P/2014/0503	Erection of a first floor side extension	Approved	09/04/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0503
397	London Borough of Hounslow	19 WESTWICK GARDENS	PA/2014/0595	Ground floor rear extension 6 metres deep, maximum height of 2.5 metres, 2.5 metres high to the eaves	Prior approval is not required	31/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/0595



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
		HOUNSLOW LONDON TW4 6LW					
398	London Borough of Hounslow	58 WAYE AVENUE HOUNSLOW LONDON TW5 9SE	PA/2014/0735	Ground floor rear extension 6 metres deep, maximum height of 3.80 metres, 2.90 metres high to the eaves	Prior approval is not required	08/04/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/0735
399	London Borough of Hounslow	178 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 6JS	P/2014/0919	Installation of two roller shutter doors to the rear elevation of the warehouse and retrospective planning permission for the erection of single storey pallet store	Approved	07/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0919
400	London Borough of Hounslow	7 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2014/0922	Erection of a pitch roof to replace existing flat roof, conversion of garage to habitable room with installation of window to replace garage door and a single storey side infill extension	Approved	12/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0922
401	London Borough of Hounslow	63 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NH	P/2014/0989	Erection of outbuilding in rear garden.	Approved	13/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0989
402	London Borough of Hounslow	2A WINDSOR ROAD HOUNSLOW LONDON TW4 7QQ	P/2014/1307	Erection of a single storey rear extension	Approved	27/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1307
403	London Borough of Hounslow	71 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	PA/2014/1531	Ground floor rear extension 6 metres deep, 2.815 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	30/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1531
404	London Borough of Hounslow	11 CHAUCER AVENUE HOUNSLOW LONDON TW4 6NA	PA/2014/1537	Ground floor rear extension 6 metres deep, 2.8 metres high to eaves with a maximum height of 3.8 metres	Prior approval is not required	30/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1537
405	London Borough of Hounslow	82 FIRS DRIVE HOUNSLOW LONDON TW5 9TD	P/2014/1688	Erection of a single storey side extension to the house.	Approved	30/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1688
406	London Borough of Hounslow	25 ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2014/1599	Erection of a two storey side extension and a single storey rear extension	Approved	28/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1599
407	London Borough of Hounslow	1B CRANE COTTAGES DUDSET LANE HOUNSLOW LONDON TW5 9UQ	P/2014/1818	Certificate of Lawfulness required for the use of a room in a house as a taxi control office with no visiting staff or customers	Approved	12/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1818
408	London Borough of Hounslow	112 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2014/1661	Certificate of Lawfulness for the erection of a rear roof extension with front roof windows to the house	Approved	18/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1661
409	London Borough of Hounslow	30 ELY ROAD HOUNSLOW LONDON TW4 6HW	PA/2014/1673	Ground floor rear extension 6 metres deep, 2.80 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	10/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1673
410	London Borough of Hounslow	149 FIRS DRIVE HOUNSLOW LONDON TW5 9TB	P/2014/1705	Erection of single storey front and rear extensions	Approved	22/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1705
411	London Borough of Hounslow	10 ELY ROAD HOUNSLOW LONDON TW4 6HW	PA/2014/1704	Ground floor rear extension 4 metres deep, 2.725 metres high to eaves with a maximum height of 3.933 metres	Prior approval is not required	05/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1704



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
412	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2014/1851	Removal of 2 temporary classrooms and erection of a temporary building	Approved	10/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1851
413	London Borough of Hounslow	10 ELY ROAD HOUNSLOW LONDON TW4 6HW	P/2014/1857	Installation of external insulation and cladding of house	Approved	07/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1857
414	London Borough of Hounslow	2 ELY ROAD HOUNSLOW LONDON TW4 6HW	P/2014/1877	Erection of single storey ground floor side extension	Approved	27/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1877
415	London Borough of Hounslow	125 BYRON AVENUE HOUNSLOW LONDON TW4 6LU	PA/2014/1949	Ground floor rear extension 6 metres deep, 3 metres high to eaves with a maximum height of 3 metres.	Prior approval is not required	23/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1949
416	London Borough of Hounslow	HEATHROW GYMNASIAC CLUB GREEN LANE HOUNSLOW LONDON TW4 6DH	P/2014/1995	Erection of a two storey extension to existing hall	Approved	26/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1995
417	London Borough of Hounslow	780 BATH ROAD HOUNSLOW LONDON TW5 9UB	P/2014/2092	Installation of 2 internally illuminated and 3 non-illuminated fascia signs, 2 internally illuminated hanging signs and 11 other various non-illuminated signs.	Approved	09/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2092
418	London Borough of Hounslow	4 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	PA/2014/2143	Ground floor rear extension 6 metres deep, 2.75 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	30/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2143
419	London Borough of Hounslow	2 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	PA/2014/2142	Ground floor rear extension 6 metres deep, 2.75 metres high to eaves with a maximum height of 3 metres	Appeal granted	21/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2142
420	London Borough of Hounslow	758 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2014/2212	Removal of existing signs and installation of internally illuminated fascia and projecting sign.	Approved	09/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2212
421	London Borough of Hounslow	25 ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2014/2291	Erection of an outbuilding	Approved	28/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2291
422	London Borough of Hounslow	UNITS 8 TO 9 HEATHROW INTERNATIONAL TRADING ESTATE HOUNSLOW LONDON TW4 6HB	P/2014/2319	Change of use from class B8 to flexible B1 (c), B2 and/or B8 with ancillary office	Approved	19/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2319
423	London Borough of Hounslow	22 BYRON AVENUE HOUNSLOW LONDON TW4 6LX	P/2014/2333	Certificate of lawfulness for the proposed erection of a rear roof extension incorporating hip to gable conversion, two front roof lights and one side roof window to the house	Approved	08/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2333
424	London Borough of Hounslow	12 ELY ROAD HOUNSLOW LONDON TW4 6HW	P/2014/2429	Certificate of lawfulness for a rear roof extension incorporating two front roof windows to the house	Approved	02/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2429
425	London Borough of Hounslow	677 BATH ROAD HOUNSLOW LONDON TW5 9SR	PA/2014/2467	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves.	Prior approval is not required	23/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2467



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
426	London Borough of Hounslow	40 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	P/2014/2175	Retrospective application for erection of a single storey outbuilding at the rear of the flats	Approved	22/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2175
427	London Borough of Hounslow	29 WAYE AVENUE HOUNSLOW LONDON TW5 9SD	P/2014/2683	Erection of a single storey side extension to the house	Approved	28/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2683
428	London Borough of Hounslow	3 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	PA/2014/2673	Ground floor rear extension 4 metres deep, 2.85 metres high to eaves with a maximum height of 2.95 metres	Prior approval is not required	08/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2673
429	London Borough of Hounslow	34 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LR	P/2014/2694	Retrospective planning permission for the erection of a single storey rear extension to the house.	Appeal granted	06/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2694
430	London Borough of Hounslow	1 RECTORY COURT RECTORY ROAD HOUNSLOW LONDON TW4 7QF	P/2014/2718	Installation of samo cabinet and replacement of existing antennas and associated development (1 month notice)	Approved	01/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2718
431	London Borough of Hounslow	CRANFORD PRIMARY SCHOOL BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2014/2798	Construction of an outdoor play structure in the form of an Adobe Dome and Amphitheatre	Approved	24/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2798
432	London Borough of Hounslow	1A HIGH STREET CRANFORD LONDON TW5 9RN	P/2014/2790	Erection of two storey extension to create two offices at ground floor and two one bedroom flats at first floor, reconfiguration of existing first floor flat to create a three bedroom flat.	Approved	03/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2790
433	London Borough of Hounslow	GRANTLEY HOUSE PARK LANE CRANFORD LONDON TW5 9RW	PA/2014/2772	Change of use from B1a (office) to C3 (6 x one-bed and 2 x two-bed flats)	Approved	02/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2772
434	London Borough of Hounslow	68 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SS	PA/2014/2906	Ground floor rear extension 6 metres deep, 2.8 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	20/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2906
435	London Borough of Hounslow	34 MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TU	P/2014/2917	Erection of a single storey detached outbuilding at the rear garden of the house	Approved	18/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2917
436	London Borough of Hounslow	4 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	PA/2014/2969	Ground floor rear extension 6 metres deep, 2.75 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	27/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2969
437	London Borough of Hounslow	22 BYRON AVENUE HOUNSLOW LONDON TW4 6LX	P/2014/2984	Erection of rear outbuilding for use as storage	Approved	08/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2984
438	London Borough of Hounslow	24 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	PA/2014/2997	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.85 metres high to the eaves	Prior approval is not required	27/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2997
439	London Borough of Hounslow	15 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	PA/2014/3068	Ground floor rear extension 6 metres deep, 3 metres high to eaves with a maximum height of 3 metres.	Prior approval is not required	29/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3068



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
440	London Borough of Hounslow	33 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2014/3057	Certificate of lawfulness for the erection of an outbuilding in the rear garden	Approved	16/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3057
441	London Borough of Hounslow	91 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2014/3137	Certificate of lawfulness for the proposed use of one room in the house as a taxi booking office	Lawful	08/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3137
442	London Borough of Hounslow	50 GREEN LANE HOUNSLOW LONDON TW4 6JF	P/2014/3305	Erection of front porch and front roof extension to the house	Approved	15/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3305
443	London Borough of Hounslow	22 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	PA/2014/3324	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.85 metres high to the eaves	Prior approval is not required	11/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3324
444	London Borough of Hounslow	CEDARS PRIMARY SCHOOL HIGH STREET CRANFORD LONDON TW5 9RU	P/2014/3303	Installation of 1 no. temporary double classroom mobile unit	Approved	14/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3303
445	London Borough of Hounslow	62 CLEVEDON GARDENS HOUNSLOW LONDON TW5 9TS	PA/2014/3425	Ground floor rear extension 6 metres deep, maximum height of 3.6 metres, 2.8 metres high to the eaves	Prior approval is not required	29/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3425
446	London Borough of Hounslow	57 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2014/3429	Erection of a part single part two storey side extension and a part single part two storey rear extension	Approved	27/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3429
447	London Borough of Hounslow	THE CEDARS PRIMARY SCHOOL HIGH STREET CRANFORD LONDON TW5 9RU	P/2014/3462	Erection of three single storey extensions to the main school building with associated hard and soft landscaping works and other improvements to the vehicular and pedestrian access routes to the rear of the site	Approved	27/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3462
448	London Borough of Hounslow	13 LICHFIELD ROAD HOUNSLOW LONDON TW4 6HT	PA/2014/3445	Ground floor rear extension 4 metres deep, 3 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	26/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3445
449	London Borough of Hounslow	56 WARWICK ROAD HOUNSLOW LONDON TW4 6HY	PA/2014/3544	Ground floor rear extension 6 metres deep, maximum height of 3.1 metres, 3 metres high to the eaves	Prior approval is not required	26/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3544
450	London Borough of Hounslow	11 MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TX	PA/2014/3537	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.75 metres high to the eaves	Prior approval is not required	23/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3537
451	London Borough of Hounslow	4 CRANE COTTAGES DUDSET LANE HOUNSLOW LONDON TW5 9UQ	PA/2014/3590	Ground floor rear extension 6 metres deep, 2.5 metres high to eaves with a maximum height of 2.8 metres	Prior approval is not required	10/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3590
452	London Borough of Hounslow	1 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	P/2014/3943	Certificate of lawfulness for the erection of a rear roof extension to the house with hip to gable conversion and 3 roof windows to front elevation	Approved	19/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3943
453	London Borough of Hounslow	750-754 BATH ROAD HOUNSLOW LONDON TW5 9TY	PA/2014/4025	Prior approval for the change of use of the first floor offices to 4 flats Class B1(a) (offices) to Class C3 (dwellings)	Prior approval is not required	12/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4025

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
454	London Borough of Hounslow	13 LICHFIELD ROAD HOUNSLOW LONDON TW4 6HT	PA/2014/4164	Ground floor rear extension 6 metres deep, 3 metres high to eaves with a maximum height of 3 metres	Prior approval is not required	14/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4164
455	London Borough of Hounslow	70 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RE	P/2014/4140	Certificate of Lawfulness for the erection of a single storey outbuilding at the rear garden of the house	lawful	01/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4140
456	London Borough of Hounslow	106 BYRON AVENUE HOUNSLOW LONDON TW4 6LY	PA/2014/4137	Ground floor rear extension 6 metres deep, maximum height of 2.91 metres, 2.84 metres high to the eaves	Prior approval is not required	31/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4137
457	London Borough of Hounslow	201 WAYE AVENUE HOUNSLOW LONDON TW5 9SH	PA/2014/4220	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 2.4 metres high to the eaves	Prior approval is not required	19/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4220
458	London Borough of Hounslow	CRANE COTTAGES 4 DUDSET LANE HOUNSLOW LONDON TW5 9UQ	P/2014/4217	Erection of a single storey side extension to the house.	Approved	03/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4217
459	London Borough of Hounslow	4 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	PA/2014/4301	Ground floor rear extension 6 metres deep, maximum height of 3.9 metres, 2.4 metres high to the eaves	Prior approval is not required	25/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4301
460	London Borough of Hounslow	804-834 BATH ROAD HOUNSLOW LONDON TW5 9US	P/2014/4395	Erection of a 7 storey hotel building comprising of a total of 437 Bedrooms together with ancillary hotel facilities on the ground floor and 122 parking spaces	Approved	15/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4395
461	London Borough of Hounslow	25 ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2014/4479	Certificate of Lawfulness for proposed rear roof extension with two roof windows to front elevation of the house.	Lawful	24/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4479
462	London Borough of Hounslow	113 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	P/2014/4486	Certificate of Lawfulness for a proposed rear roof extension with hip to gable conversion and roof window to front elevation	Approved	19/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4486
463	London Borough of Hounslow	27 WINDSOR ROAD HOUNSLOW LONDON TW4 7QJ	PA/2014/4598	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval is not required	10/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4598
464	London Borough of Hounslow	GRANTLEY HOUSE 9 PARK LANE CRANFORD LONDON TW5 9RW	P/2014/4788	Addition of 3rd and 4th floor to existing building, side extension at 1st and 2nd floor levels with undercroft. Installation of balconies at front and rear on 1st and 2nd floor levels to create 14 self contained flats together with parking and landscaping	Approved	23/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4788
465	London Borough of Hounslow	53 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	PA/2014/4918	Ground floor rear extension 6 metres deep, maximum height of 2.7 metres, 2.7 metres high to the eaves	Prior approval is not required	07/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4918
466	London Borough of Hounslow	53 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	PA/2014/4916	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval is not required	07/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4916
467	London Borough of Hounslow	159 BEAVERS LANE HOUNSLOW LONDON TW4 6HG	PA/2014/4956	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	13/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4956
468	London Borough of Hounslow	47 BYRON AVENUE HOUNSLOW LONDON TW4 6LT	PA/2014/5029	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.75 metres high to the eaves.	Prior approval is not required	15/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/5029

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
469	London Borough of Hounslow	126 BYRON AVENUE HOUNSLOW LONDON TW4 6LY	PA/2014/5069	Ground floor rear extension 6.0 metres deep, maximum height of 2.91 metres, 2.84 metres high to the eaves	Prior approval is not required	15/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/5069
470	London Borough of Hounslow	47 BYRON AVENUE HOUNSLOW LONDON TW4 6LT	P/2014/5146	Erection of a single storey outbuilding at the rear garden of the house	Approved	17/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5146
471	London Borough of Hounslow	37 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2014/5247	Erection of a part single storey, part two storey side extension and erection of a front porch	Approved	06/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5247
472	London Borough of Hounslow	71 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	P/2015/0075	Certificate of Lawfulness for erection of a rear roof extension with 3 roof windows to front elevation	Approved	05/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0075
473	London Borough of Hounslow	110 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2015/0240	Erection of a first floor side and rear extensions to the house	Approved	17/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0240
474	London Borough of Hounslow	6 AVENUE GARDENS HOUNSLOW LONDON TW5 9RF	P/2015/0463	Erection of a single storey rear extension	Approved	10/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0463
475	London Borough of Hounslow	55 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	P/2015/0488	Certificate of Lawfulness for the erection of a rear roof extension with front roof windows to the house.	Approved	20/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0488
476	London Borough of Hounslow	27 WINDSOR ROAD HOUNSLOW LONDON TW4 7QJ	P/2015/0604	Certificate of Lawfulness for the erection of a rear roof extension to the house	Approved	22/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0604
477	London Borough of Hounslow	77 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	PA/2015/0678	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior approval is not required	30/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0678
478	London Borough of Hounslow	80 CHAUCER AVENUE HOUNSLOW LONDON TW4 6NB	PA/2015/0708	Ground floor rear extension 6 metres deep, maximum height of 2.8 metres, 2.8 metres high to the eaves	Prior approval is not required	31/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0708
479	London Borough of Hounslow	14 WINDSOR ROAD HOUNSLOW LONDON TW4 7QQ	P/2015/0801	Certificate of Lawfulness for enlargement of an existing rear roof extension and erection of a front porch to the house	Approved	20/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0801
480	London Borough of Hounslow	112 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2015/1001	Certificate of lawfulness for the erection of a rear roof extension with a Juliette balcony and 2 roof windows to the house	Approved	17/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1001
481	London Borough of Hounslow	36 GREEN LANE HOUNSLOW LONDON TW4 6JF	P/2015/1022	Erection of a first floor side extension, a rear roof extension incorporating 2 front roof windows to first floor maisonnette and erection of a canopy over front entrance at ground floor level	Approved	12/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1022
482	London Borough of Hounslow	76 BYRON AVENUE HOUNSLOW LONDON TW4 6LY	PA/2015/1099	Ground floor rear extension 6 metres deep, 3 metres high to eaves with a maximum height of 3.4 metres	Prior approval is not required	20/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1099
483	London Borough of Hounslow	90 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	PA/2015/1078	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.75 metres high to the eaves	Prior approval is not required	22/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1078



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
484	London Borough of Hounslow	76 BYRON AVENUE HOUNSLOW LONDON TW4 6LY	P/2015/1098	Certificate of Lawfulness for erection of a rear roof extension to the house	Approved	22/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1098
485	London Borough of Hounslow	12 WAYE AVENUE HOUNSLOW LONDON TW5 9SE	P/2015/1180	Erection of pitch roof on the detached garage	Approved	15/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1180
486	London Borough of Hounslow	10 WAYE AVENUE HOUNSLOW LONDON TW5 9SE	P/2015/1208	Erection of pitch roof on the detached garage	Approved	27/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1208
487	London Borough of Hounslow	46 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LR	PA/2015/1284	Ground floor rear extension 6 metres deep, maximum height of 2.9 metres, 2.77 metres high to the eaves	Prior approval is not required	05/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1284
488	London Borough of Hounslow	124 Byron Avenue Hounslow London TW4 6LY	PA/2015/1470	Ground floor rear extension 6 metres deep, maximum height of 3.7 metres, 2.8 metres high to the eaves	Prior approval is not required	18/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1470
489	London Borough of Hounslow	61 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2015/1613	Certificate of Lawfulness for the existing use of the property as two flats	Approved	20/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1613
490	London Borough of Hounslow	44 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	P/2015/1634	Certificate of Lawfulness for the proposed conversion of garage into habitable room.	Approved	15/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1634
491	London Borough of Hounslow	44 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	P/2015/1635	Certificate of Lawfulness for proposed erection of a rear roof extension with hip to gable conversion and juliet balcony to rear.	Approved	16/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1635
492	London Borough of Hounslow	95 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	P/2015/1717	Certificate of Lawfulness for proposed erection of a rear roof extension with 2 roof windows to front elevation.	Approved	27/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1717
493	London Borough of Hounslow	16 THE AVENUE CRANFORD LONDON TW5 9RA	P/2015/1725	Certificate of Lawfulness for the erection of a single storey rear extension to the house	Approved	24/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1725
494	London Borough of Hounslow	13 CHAUCER AVENUE HOUNSLOW LONDON TW4 6NA	PA/2015/1722	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.85 metres high to the eaves	Prior approval is not required	22/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1722
495	London Borough of Hounslow	37 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2015/1847	Certificate of Lawfulness for the erection of an outbuilding in rear garden for use as Gym/storage.	Approved	30/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1847
496	London Borough of Hounslow	57 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2015/1843	Certificate of Lawfulness for the erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	23/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1843
497	London Borough of Hounslow	57 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2015/1868	Certificate of lawfulness for erection of a detached outbuilding in rear garden for use as a gym and store	Approved	24/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1868
498	London Borough of Hounslow	122 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2015/2036	Replacement of a flat room with pitched roof over existing double storey side extension to the house	Approved	06/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2036
499	London Borough of Hounslow	115 MORNINGTON CRESCENT	PA/2015/2142	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior approval is not required	26/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2142



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
		HOUNSLOW LONDON TW5 9SU					
500	London Borough of Hounslow	124 Byron Avenue Hounslow London TW4 6LY	PA/2015/1470	Ground floor rear extension 6 metres deep, maximum height of 3.7 metres, 2.8 metres high to the eaves	Prior Approval is Not Required	18/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1470
501	London Borough of Hounslow	61 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2015/1613	Certificate of Lawfulness for the existing use of the property as two flats	Approved	20/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1613
502	London Borough of Hounslow	95 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	P/2015/1717	Certificate of Lawfulness for proposed erection of a rear roof extension with 2 roof windows to front elevation.	Approved	21/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1717
503	London Borough of Hounslow	16 THE AVENUE CRANFORD LONDON TW5 9RA	P/2015/1725	Certificate of Lawfulness for the erection of a single storey rear extension to the house	Approved	24/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1725
504	London Borough of Hounslow	13 CHAUCER AVENUE HOUNSLOW LONDON TW4 6NA	PA/2015/1722	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.85 metres high to the eaves	Prior Approval is Not Required	22/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1722
505	London Borough of Hounslow	37 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2015/1847	Certificate of Lawfulness for the erection of an outbuilding in rear garden for use as Gym/storage.	Approved	30/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1847
506	London Borough of Hounslow	57 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2015/1843	Certificate of Lawfulness for the erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	23/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1843
507	London Borough of Hounslow	57 WAYE AVENUE HOUNSLOW LONDON TW5 9SQ	P/2015/1868	Certificate of lawfulness for erection of a detached outbuilding in rear garden for use as a gym and store	Approved	24/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1868
508	London Borough of Hounslow	122 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	P/2015/2036	Replacement of a flat room with pitched roof over existing double storey side extension to the house	Approved	06/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2036
509	London Borough of Hounslow	115 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	PA/2015/2142	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior Approval is Not Required	26/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2142
510	London Borough of Hounslow	13 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	P/2015/2156	Certificate of Lawfulness for the continued use of a single storey outbuilding as a residential unit	Lawful	15/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2156
511	London Borough of Hounslow	23 CLEVEDON GARDENS HOUNSLOW LONDON TW5 9TT	P/2015/2321	Erection of a single storey rear extension to the house	Approved	20/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2321
512	London Borough of Hounslow	35 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2015/2398	Certificate of Lawfulness for the erection of a detached outbuilding to the rear of the house.	Approved	05/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2398
513	London Borough of Hounslow	11 BYRON AVENUE HOUNSLOW LONDON TW4 6LT	PA/2015/2488	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.85 metres high to the eaves	Prior Approval is Not Required	17/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2488
514	London Borough of Hounslow	23 CLEVEDON GARDENS HOUNSLOW LONDON TW5 9TT	PA/2015/2554	Ground floor rear extension 3.582 metres deep, maximum height of 3.5 metres, 3 metres high to the eaves	Prior Approval is Not Required	14/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2554



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
515	London Borough of Hounslow	11 HIGH STREET CRANFORD LONDON TW5 9R	P/2015/2605	Erection of a single storey rear extension	Approved	28/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2605
516	London Borough of Hounslow	19 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	P/2015/2783	Certificate of lawfulness for erection of a rear roof extension with 2 roof windows to front elevation.	Approved	07/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2783
517	London Borough of Hounslow	30 WAYE AVENUE HOUNSLOW LONDON TW5 9SE	PA/2015/2819	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.9 metres high to the eaves	Prior Approval is Not Required	03/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2819
518	London Borough of Hounslow	34 MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TU	PA/2015/2898	Ground floor rear extension 6 metres deep, maximum height of 3.6 metres, 2.95 metres high to the eaves	Prior Approval is Not Required	06/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2898
519	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2015/3021	Construction of a single and a twin outdoor play structures	Approved	09/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3021
520	London Borough of Hounslow	52 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LR	P/2015/3043	Enlargement of existing garage to create a gym/play area	Approved	09/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3043
521	London Borough of Hounslow	34 WARWICK ROAD HOUNSLOW LONDON TW4 6HY	P/2015/3079	Certificate of Lawfulness for the erection of a rear roof extension with hip to gable conversion and front roof windows to the house.	Approved	22/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3079
522	London Borough of Hounslow	23 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NH	PA/2015/3104	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior Approval is Not Required	06/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3104
523	London Borough of Hounslow	30 BYRON AVENUE HOUNSLOW LONDON TW4 6LX	PA/2015/3328	Ground floor rear extension 6 metres deep, maximum height of 3.6 metres, 2.8 metres high to the eaves	Prior Approval is Not Required	26/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3328
524	London Borough of Hounslow	281 WAYE AVENUE HOUNSLOW LONDON TW5 9SJ	P/2015/3460	Retrospective application for erection of a single storey rear extension to the house	Appeal granted	27/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3460
525	London Borough of Hounslow	93 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LF	P/2015/3470	Certificate of Lawfulness for erection of a rear roof extension with Juliet balcony, hip to gable conversion and 2 roof windows to front elevation	Approved	30/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3470
526	London Borough of Hounslow	30 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RE	P/2015/3576	Erection of a single storey outbuilding at the rear garden of the house	Approved	05/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3576
527	London Borough of Hounslow	159 BEAVERS LANE HOUNSLOW LONDON TW4 6HG	P/2015/3821	Certificate of lawfulness for the erection of a single storey side extension to the house	Approved	28/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3821
528	London Borough of Hounslow	10 REGENT CLOSE HOUNSLOW LONDON TW4 6LJ	P/2015/3820	Certificate of lawfulness for existing use of a room as a private hire company	Approved	09/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3820
529	London Borough of Hounslow	58 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SS	P/2015/3787	Certificate of lawfulness for the erection of a rear roof extension with front roof windows to the house.	Approved	12/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3787



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
530	London Borough of Hounslow	64A MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TU	P/2015/4045	Erection of a first floor side extension	Approved	03/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4045
531	London Borough of Hounslow	29 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LE	P/2015/4161	Alterations to change the rear extension from flat roof to pitched roof	Approved	16/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4161
532	London Borough of Hounslow	21A-B WOODFIELD ROAD HOUNSLOW LONDON TW4 6LL	P/2015/4167	Retrospective planning application for the change of use of the pair of semi-detached houses into a 16-bedroom self-catering guest house (Use Class C1) .	Approved	09/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4167
533	London Borough of Hounslow	736 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2015/4207	Continued display of internally illuminated fascia sign around the ATM at the shop	Approved	19/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4207
534	London Borough of Hounslow	736 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2015/4206	Retrospective application for the installation of an ATM to the shop	Approved	02/12/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4206
535	London Borough of Hounslow	18 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SS	PA/2015/4380	Ground floor rear extension 5.950 metres deep, maximum height of 2.950 metres, 2.875 metres high to the eaves	Prior Approval is Not Required	02/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4380
536	London Borough of Hounslow	115 Great South West Road Hounslow London TW4 7NQ	PA/2015/4381	Ground floor rear extension 6 metres deep, maximum height of 2.750 metres, 2.750 metres high to the eaves	Prior Approval is Not Required	01/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4381
537	London Borough of Hounslow	11 HIGH STREET CRANFORD LONDON TW5 9RN	P/2015/4332	Erection of single storey rear and side extension to the house	Approved	19/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4332
538	London Borough of Hounslow	CEDARS PRIMARY SCHOOL HIGH STREET CRANFORD LONDON TW5 9RU	PA/2015/4440	Prior approval for the installation of 97.76 kwp Solar Photovoltaics (PV) equipment across the roof top of the buildings of the school	Approved	23/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4440
539	London Borough of Hounslow	30 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RE	P/2015/4399	Erection of single storey rear extension	Approved	08/12/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4399
540	London Borough of Hounslow	3 PARK LANE CRANFORD LONDON TW5 9WA	P/2015/4691	Erection of a single storey rear extension to the house	Approved	20/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4691
541	London Borough of Hounslow	52 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LR	P/2015/4853	Certificate of Lawfulness for erection of a rear roof extension incorporating two front roof windows to the house	Approved	17/12/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4853
542	London Borough of Hounslow	109 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	P/2015/4858	Certificate of Lawfulness for erection of a rear roof extension incorporating 2 front roof windows to the house	Approved	01/12/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4858
543	London Borough of Hounslow	768 BATH ROAD HOUNSLOW LONDON TW5 9TY	PA/2015/4875	Notification for the change of use of the existing premises from (A1 or A2 use) to restaurants and cafes (A3 use)	Prior Approval is Not Required	22/12/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4875
544	London Borough of Hounslow	620 BATH ROAD HOUNSLOW LONDON TW5 9TL	P/2015/5266	Retrospective application to retain the existing single storey structure being used as vehicle tyre shop and car wash, with alterations and removal of one existing structure on site.	In progress	30/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5266

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
545	London Borough of Hounslow	46 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LA	PA/2015/5320	Demolition of the existing rear extension and erection of a ground floor rear extension 3.6 metres deep, maximum height of 3.4 metres, 2.5 metres high to the eaves.	Prior Approval is Not Required	12/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/5320
546	London Borough of Hounslow	5 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	P/2015/5326	Certificate of Lawfulness for erection of a rear roof extension incorporating two front roof windows and a single storey outbuilding at the rear garden of the house	Approved	19/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5326
547	London Borough of Hounslow	273 WAYE AVENUE HOUNSLOW LONDON TW5 9SJ	PA/2015/5462	Ground floor rear extension 6 metres deep, maximum height of 2.909 metres, 2.609 metres high to the eaves	Prior Approval is Not Required	22/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/5462
548	London Borough of Hounslow	1 BYRON AVENUE HOUNSLOW LONDON TW4 6LT	PA/2015/5498	Ground floor rear extension 5 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	22/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/5498
549	London Borough of Hounslow	41 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	PA/2015/5536	Ground floor rear extension 6 metres deep, maximum height of 3.15 metres, 3 metres high to the eaves	Prior Approval is Not Required	22/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/5536
550	London Borough of Hounslow	STANSFIELD HOUSE 42 HIGH STREET CRANFORD LONDON TW5 9RU	P/2016/0038	Erection of a single storey outbuilding at the rear garden of the house.	Approved	08/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0038
551	London Borough of Hounslow	677 BATH ROAD HOUNSLOW LONDON TW5 9SR	PA/2016/0118	Ground floor rear extension 6 metres deep, maximum height of 3.95 metres, 3 metres high to the eaves	Prior Approval is Not Required	05/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0118
552	London Borough of Hounslow	179 BEAVERS LANE HOUNSLOW LONDON TW4 6HG	PA/2016/0188	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.95 metres high to the eaves	Prior Approval is Not Required	12/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0188
553	London Borough of Hounslow	744 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2016/0155	Change of use to betting shop, erection of a single storey rear extension and installation of plant equipment and new external staircase	Approved	15/04/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0155
554	London Borough of Hounslow	9 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	P/2016/0233	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	11/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0233
555	London Borough of Hounslow	744 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2016/0269	Installation of one externally illuminated fascia sign and one externally illuminated hanging sign	Approved	14/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0269
556	London Borough of Hounslow	82 MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TU	P/2016/0236	Certificate of Lawfulness for erection of a rear roof extension incorporating 3 front roof windows to the house	Approved	10/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0236
557	London Borough of Hounslow	744 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2016/0228	INSTALLATION OF A NEW SHOPFRONT	Approved	10/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0228
558	London Borough of Hounslow	9 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9ST	PA/2016/0285	Ground floor rear extension 6 metres deep, maximum height of 3.517 metres, 3 metres high to the eaves	Prior Approval is Not Required	26/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0285
559	London Borough of Hounslow	62 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SS	PA/2016/0492	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.975 metres high to the eaves	Prior Approval is Not Required	07/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0492

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
560	London Borough of Hounslow	778 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2016/0420	Retrospective application for installation of awning to the front of the restaurant	Approved	04/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0420
561	London Borough of Hounslow	107 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	P/2016/0437	Certificate of lawfulness for the erection of a rear roof extension with two roof windows to the house	Approved	10/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0437
562	London Borough of Hounslow	5 WESTWICK GARDENS HOUNSLOW LONDON TW4 6LW	PA/2016/0538	Ground floor rear extension 3.65 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	01/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0538
563	London Borough of Hounslow	26 ST DUNSTAN'S ROAD HOUNSLOW LONDON TW4 7QN	PA/2016/0774	Ground floor rear extension 6 metres deep, maximum height of 3.5 metres, 2.8 metres high to the eaves	Prior Approval is Not Required	17/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0774
564	London Borough of Hounslow	3 STANSFIELD ROAD HOUNSLOW LONDON TW4 7QD	P/2016/0827	Erection of a replacement 3 bedroom semi-detached house	Approved	20/04/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0827
565	London Borough of Hounslow	50 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LR	P/2016/0664	Certificate of Lawfulness for erection of a rear roof extension incorporating two front roof windows to the house	Approved	21/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0664
566	London Borough of Hounslow	768-772 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2016/0991	Demolition of no. 768A and no. 768 and erection of a new building and part single storey, part two storey rear extension and rear roof extensions to no. 770-772 to create a retail (A1) unit and a restaurant (A3/A5) unit at ground floor and eight flats	Approved	09/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0991
567	London Borough of Hounslow	82 MEADOWBANK GARDENS HOUNSLOW LONDON TW5 9TU	PA/2016/1027	Ground floor rear extension 5.5 metres deep, maximum height of 3.15 metres, 3 metres high to the eaves	Prior Approval is Not Required	04/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/1027
568	London Borough of Hounslow	65 BURNHAM GARDENS HOUNSLOW LONDON TW4 6LS	P/2016/1030	Erection of a two storey side/rear extension and a single storey rear extensions to the house	Approved	17/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1030
569	London Borough of Hounslow	44 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LA	P/2016/1206	Enlargement of existing outbuilding for use as Gym and storage	Approved	16/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1206
570	London Borough of Hounslow	54 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RE	P/2016/1369	Erection of a single storey front extension forming a porch to the house	Approved	17/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1369
571	London Borough of Hounslow	107 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SU	PA/2016/1424	Ground floor rear extension 6m deep, 2.725m high to the eaves with the maximum height of 2.950m.	Prior Approval is Not Required	05/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/1424
572	London Borough of Hounslow	6 HAWTHORN CLOSE CRANFORD HOUNSLOW TW5 9TG	P/2016/1986	Erection of a single storey side extension to the house	Approved	07/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1986
573	London Borough of Hounslow	12 ELY ROAD HOUNSLOW TW4 6HW	PA/2016/2162	Ground floor rear extension 6m deep, 2.6m high to the eaves with the maximum height of 2.8m.	Prior Approval is Not Required	10/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2162

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
574	London Borough of Hounslow	76 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SS	PA/2016/2264	Ground floor rear extension 6m deep, with the maximum height of 2.89m and 2.79 m high to the eaves.	Prior Approval is Not Required	15/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2264
575	London Borough of Hounslow	CRANFORD INFANT AND NURSERY SCHOOL BERKELEY AVENUE HOUNSLOW TW4 6LB	P/2016/2295	Installation of a roof mounted ventilation plant and associated works including the erection of handrails to roof perimeter and access ladders	Approved	18/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2295
576	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW TW4 6HR	P/2016/2351	Installation of a roof mounted ventilation plant and associated works including the erection of handrails to roof perimeter and access ladders	Approved	10/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2351
577	London Borough of Hounslow	87 BYRON AVENUE HOUNSLOW TW4 6LU	P/2016/2681	Certificate of Lawfulness for erection of a rear roof extension incorporating 4 front roof windows to the house	Approved	19/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2681
578	London Borough of Hounslow	7 RECTORY ROAD HOUNSLOW TW4 7QE	PA/2016/2740	Ground floor rear extension 4 metres deep, maximum height of 3.3 metres, 3 metres high to the eaves	Prior approval is not required	19/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2740
579	London Borough of Hounslow	87 BYRON AVENUE HOUNSLOW LONDON TW4 6LU	PA/2016/2736	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3m.	Prior approval is not required	09/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2736
580	London Borough of Hounslow	20 - 42 MUSQUASH WAY HOUNSLOW LONDON TW4 7PQ	P/2016/2730	Replacement of communal entrance doors	Approved	12/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2730
581	London Borough of Hounslow	20 - 42 MUSQUASH WAY HOUNSLOW LONDON TW4 7PQ	P/2016/2730	Replacement of communal entrance doors	Approved	12/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2730
582	London Borough of Hounslow	87 BYRON AVENUE HOUNSLOW TW4 6LU	P/2016/2767	Erection of a single storey detached outbuilding in the rear garden of the house	Approved	05/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2767
583	London Borough of Hounslow	23 STANSFIELD ROAD HOUNSLOW LONDON TW4 7QD	PA/2016/2990	Ground floor rear extension 6m deep, 2.8m high to the eaves with the maximum height of 3m.	prior approval not required	02/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2990
584	London Borough of Hounslow	128 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LB	PA/2016/3038	Ground floor rear extension 6m deep, 2.7m high to the eaves with the maximum height of 3.4m.	Prior Approval is Not Required	02/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3038
585	London Borough of Hounslow	CRANFORD INFANT AND NURSERY SCHOOL BERKELEY AVENUE HOUNSLOW TW4 6LB	P/2016/3101	Erection of 2 no. new Modular Eco-classrooms consisting of 1 no. with three classrooms and 1 no. with two classrooms.	Approved	15/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3101
586	London Borough of Hounslow	150 GREAT SOUTH-WEST ROAD HOUNSLOW TW4 6JS	P/2016/3190	Certificate of lawfulness for the retrospective use of land as car park	Approved (lawful)	07/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3190
587	London Borough of Hounslow	7 CHAUCER AVENUE HOUNSLOW TW4 6NA	P/2016/3189	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and 3 front roof windows to the house	Approved	26/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3189
588	London Borough of Hounslow	89 BERKELEY AVENUE HOUNSLOW TW4 6LF	PA/2016/3239	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior Approval is Not Required	19/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3239



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
589	London Borough of Hounslow	7 CHESTER ROAD HOUNSLOW LONDON TW4 6HP	P/2016/3460	Creation of a vehicle access to the front of the flat	Approved	09/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3460
590	London Borough of Hounslow	58 AVENUE CRESCENT HOUNSLOW TW5 9RE	P/2016/3518	Erection of a part single storey, part two storey rear extension.	Approved	21/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3518
591	London Borough of Hounslow	62 BERKELEY AVENUE HOUNSLOW TW4 6LA	PA/2016/3582	Ground floor rear extension 6m deep, with the maximum height of 3m and 3m high to the eaves.	Prior approval is not required	24/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3582
592	London Borough of Hounslow	45 CHAUCER AVENUE HOUNSLOW TW4 6NA	PA/2016/3710	Ground floor rear extension 6.00m deep, with the maximum height of 3.60m and 3.00m high to the eaves.	Prior Approval is Not Required	06/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3710
593	London Borough of Hounslow	62 BERKELEY AVENUE HOUNSLOW TW4 6LA	P/2016/3720	Certificate of Lawfulness for erection of a rear roof extension with hip to gable conversion and roof window to front elevation	Approved	12/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3720
594	London Borough of Hounslow	168 BERKELEY AVENUE HOUNSLOW TW4 6LB	P/2016/3765	Erection of a single storey outbuilding at the rear garden of the house.	Approved	31/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3765
595	London Borough of Hounslow	6 BERKELEY AVENUE HOUNSLOW TW4 6LA	P/2016/3721	Certificate of Lawfulness for erection of a rear roof extension with 3 roof windows to front elevation	Approved	20/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3721
596	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW LONDON TW4 6HR	P/2016/3748	Erection of a two storey extension to provide four class rooms each for years 5 and 6 including lavatories and ancillary provision to result in a four form entry school throughout all year groups.	Approved	13/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3748
597	London Borough of Hounslow	7 ARUNDEL ROAD HOUNSLOW TW4 6HR	P/2016/3840	Certificate of lawfulness for the erection of a single storey outbuilding to be used as games room and storage at the rear of the house	Approved	12/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3840
598	London Borough of Hounslow	57 HIGH STREET CRANFORD HOUNSLOW TW5 9RQ	P/2016/3891	Installation of a vehicular access to the house.	Approved	15/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3891
599	London Borough of Hounslow	74 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LA	P/2016/3987	Certificate of lawfulness for erection of a hip to gable and rear roof extension with two front roof windows to the house	Approved	19/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3987
600	London Borough of Hounslow	7 CHAUCER AVENUE HOUNSLOW LONDON TW4 6NA	P/2016/3985	Certificate of Lawfulness for the use of the first floor bedroom to a minicab office with no customers, drivers or vehicles visiting the property.	Approved	11/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3985
601	London Borough of Hounslow	121 BYRON AVENUE HOUNSLOW LONDON TW4 6LU	PA/2016/3995	Ground floor rear extension 6m deep, 2.5m high to the eaves with the maximum height of 3m.	Prior approval is not required	04/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3995
602	London Borough of Hounslow	REAR OF 720 BATH ROAD HOUNSLOW TW5 9TW	P/2016/4019	Erection of a single storey side extension to an existing MOT workshop	Approved	21/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4019
603	London Borough of Hounslow	10 CHAUCER AVENUE HOUNSLOW TW4 6NB	P/2016/4166	Erection of single storey outbuilding for gym use, following demolition of existing outbuilding (garage)	Approved	14/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4166
604	London Borough of Hounslow	17 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RD	P/2016/4193	Demolition of the garage and erection of a two storey side extension	Approved	26/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4193

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
605	London Borough of Hounslow	54 AVENUE CRESCENT HOUNSLOW TW5 9RE	P/2016/4304	Erection of a part single storey, part two storey rear extension.	Approved	09/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4304
606	London Borough of Hounslow	109 BYRON AVENUE HOUNSLOW TW4 6LU	PA/2016/4330	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior approval is not required	17/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4330
607	London Borough of Hounslow	59 BURNHAM GARDENS HOUNSLOW TW4 6LS	P/2016/4415	Erection of a single storey side extension to the house	Approved	11/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4415
608	London Borough of Hounslow	37 GREAT SOUTH-WEST ROAD HOUNSLOW TW4 7NH	P/2016/4575	Certificate of lawfulness for the erection of a rear roof extension with a hip to gable conversion and two front roof windows to the house.	Approved	15/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4575
609	London Borough of Hounslow	37 GREAT SOUTH-WEST ROAD HOUNSLOW LONDON TW4 7NH	PA/2016/4582	Ground floor rear extension 6m deep, 2.95m high to the eaves with the maximum height of 3m.	Prior approval is not required	31/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4582
610	London Borough of Hounslow	717 BATH ROAD HOUNSLOW TW5 9SZ	P/2016/4691	Erection of a single storey rear extension and a part first floor rear extension	Appeal granted	13/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4691
611	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW TW4 6HR	P/2016/4829	Provide a single storey temporary building consisting of two classrooms, small offices and ancillary accommodation.	Approved limited permission	29/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4829
612	London Borough of Hounslow	CHURCH OF THE GOOD SHEPHERD BEAVERS LANE HOUNSLOW LONDON TW4 6HJ	P/2016/5011	Installation of three non-illuminated signs	Approved	30/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5011
613	London Borough of Hounslow	38 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LA	PA/2016/5142	Ground floor rear extension 6m deep, 2.7m high to the eaves with the maximum height of 3m.	Prior approval is not required	16/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5142
614	London Borough of Hounslow	73 STANSFIELD ROAD HOUNSLOW LONDON TW4 7QR	PA/2016/5439	Ground floor rear extension 6m deep, 2.85m high to the eaves with the maximum height of 2.95m.	Prior approval is not required	06/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5439
615	London Borough of Hounslow	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW TW4 6HR	P/2016/5500	Alterations to windows and installation of external plant to roof.	Approved	15/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5500
616	London Borough of Hounslow	CRANFORD INFANT AND NURSERY SCHOOL BERKELEY AVENUE HOUNSLOW TW4 6LB	P/2016/5499	Installation of external plant equipment to roof	Approved	14/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5499
617	London Borough of Hounslow	20 ST DUNSTANS ROAD HOUNSLOW LONDON TW4 7QN	PA/2016/5517	Ground floor rear extension 4.5m deep, 2.8m high to the eaves with the maximum height of 3.92m.	Prior approval is not required	06/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5517
618	London Borough of Hounslow	570 BATH ROAD HOUNSLOW TW5 9UX	P/2017/1752	Formation of a vehicle access to the front of the house.	Approved	04/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1752
619	London Borough of Hounslow	30 GREEN LANE HOUNSLOW TW4 6JF	PA/2016/5576	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.85 metres high to the eaves	Prior approval is not required	06/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5576



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
620	London Borough of Hounslow	28 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LA	PA/2016/5594	Ground floor rear extension 6m deep, 2.8m high to the eaves with the maximum height of 2.8m.	Prior approval is not required	23/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5594
621	London Borough of Hounslow	66 MORNINGTON CRESCENT HOUNSLOW LONDON TW5 9SS	P/2016/5720	Conversion of garage into habitable room to the house	Approved	28/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5720
622	London Borough of Hounslow	91 BERKELEY AVENUE HOUNSLOW LONDON TW4 6LF	PA/2016/5744	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3m.	Prior approval is not required	23/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5744
623	London Borough of Hounslow	10 CHAUCER AVENUE HOUNSLOW TW4 6NB	P/2017/0016	Certificate of Lawfulness for the erection of a hip to gable and rear roof extension with two front roof windows to the house	Approved	15/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0016
624	London Borough of Hounslow	45 ARUNDEL ROAD HOUNSLOW LONDON TW4 6HU	P/2017/0180	Certificate of Lawfulness for erection of a rear roof extension incorporating two front roof windows to the house and the removal of a chimney stack	Approved	24/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0180
625	London Borough of Hounslow	STANSFIELD HOUSE 42 HIGH STREET CRANFORD TW5 9RU	P/2017/0373	Demolition and rebuilding of a section of garden wall surrounding the listed building	Approved limited permission	24/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0373
626	London Borough of Hounslow	35 BURNHAM GARDENS HOUNSLOW TW4 6LS	P/2017/0474	Certificate of Lawfulness for erection of a rear roof extension incorporating a juliet balcony and three front roof windows to the house	Approved	31/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0474
627	London Borough of Hounslow	2 KEYSHAM AVENUE HOUNSLOW LONDON TW5 9RB	P/2017/0722	Erection of a single storey side and rear extension to the house	Approved	02/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0722
628	London Borough of Hounslow	8 LICHFIELD ROAD HOUNSLOW TW4 6HS	P/2017/0865	Certificate of Lawfulness for the erection of a rear roof extension with two additional front roof windows to the house	Approved	04/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0865
629	London Borough of Hounslow	8 LICHFIELD ROAD HOUNSLOW TW4 6HS	PA/2017/0868	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3m.	Prior approval is not required	04/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0868
630	London Borough of Hounslow	57 GREAT SOUTH-WEST ROAD HOUNSLOW LONDON TW4 7NH	PA/2017/1006	Ground floor rear extension 6m deep, 2.95m high to the eaves with the maximum height of 3.1m.	Prior approval is not required	18/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1006
631	London Borough of Hounslow	2 BURNHAM GARDENS HOUNSLOW TW4 6LR	PA/2017/1010	Ground floor rear extension 6 metres deep, maximum height of 2.85 metres, 2.55 metres high to the eaves.	Prior approval is not required	12/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1010
632	London Borough of Hounslow	18 MORNINGTON CRESCENT HOUNSLOW TW5 9SS	P/2017/1199	Certificate of Lawfulness for erection of a rear roof extension incorporating two front roof windows to the house	Approved	24/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1199
633	London Borough of Hounslow	2 FIELD CLOSE HOUNSLOW TW4 6LN	P/2017/1228	Demolition of existing single storey side extension and erection of a two storey one bedroom house attached to 2 Field Close	Approved	18/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1228
634	London Borough of Hounslow	CRANFORD VILLAGE LOCK UP HIGH STREET CRANFORD HOUNSLOW TW5 9RJ	P/2017/1279	Repairs and maintenance to lock-up building (listed building consent)	Approved	22/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1279



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
635	London Borough of Hounslow	31 BERKELEY AVENUE HOUNSLOW TW4 6LE	P/2017/1428	Increase in height of conservatory roof from pitched to flat	Approved	02/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1428
636	London Borough of Hounslow	3 CHAUCER AVENUE HOUNSLOW TW4 6NA	P/2017/1443	Certificate of Lawfulness for erection of a rear roof extension with one front roof window to the house.	Approved	19/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1443
637	London Borough of Hounslow	3 CHAUCER AVENUE HOUNSLOW TW4 6NA	PA/2017/1472	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval is not required	15/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1472
638	London Borough of Hounslow	1A HIGH STREET CRANFORD HOUNSLOW TW5 9RN	P/2017/1517	Erection of a two storey building consisting of offices and a two bedroom flat at ground floor with two, two bedroom flats and a one bedroom flat at first floor, following demolition of existing building.	Approved	09/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1517
639	London Borough of Hounslow	804-834 BATH ROAD HOUNSLOW TW5 9UH	P/2017/1588	Installation of five internally illuminated fascia signs and one non-illuminated logo sign	Approved	17/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1588
640	London Borough of Hounslow	FLAT 628A BATH ROAD HOUNSLOW TW5 9TL	P/2017/1663	Erection of rear roof extension incorporating two front roof windows to the first floor flat	Approved	12/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1663
641	London Borough of Hounslow	21 ST DUNSTANS ROAD HOUNSLOW TW4 7QP	PA/2017/1690	Ground floor rear extension 6 metres deep, maximum height of 3.250 metres, 3 metres high to the eaves	Prior approval is not required	30/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1690
642	London Borough of Hounslow	73 MORNINGTON CRESCENT HOUNSLOW TW5 9SU	P/2017/1741	Certificate of Lawfulness for the erection of a rear roof extension incorporating two front roof windows to the house	Approved	09/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1741
643	London Borough of Hounslow	81 FIRS DRIVE HOUNSLOW TW5 9TA	P/2017/1841	Erection of a single storey rear extension to the house	Approved	18/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1841
644	London Borough of Hounslow	56 WARWICK ROAD HOUNSLOW LONDON TW4 6HY	P/2017/1895	Certificate of Lawfulness for erection of a rear roof extension incorporating two front roof windows to the house	Approved	29/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1895
645	Slough Borough Council	HEATHROW HOUSE BATH ROAD HOUNSLOW TW5 9QQ	P/2017/1923	Installation of two internally illuminated freestanding totem signs	Approved	06/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1923
646	Slough Borough Council	72 AVENUE CRESCENT HOUNSLOW TW5 9RE	P/2017/2092	Erection of a single storey rear extension to the house	Approved	25/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2092
647	Slough Borough Council	25 GREAT SOUTH-WEST ROAD HOUNSLOW LONDON TW4 7NH	PA/2017/2111	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3.2m.	Prior approval is not required	19/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2111
648	Slough Borough Council	24 FIRS DRIVE HOUNSLOW TW5 9TD	P/2017/2119	Erection of a rear roof extension with two front roof windows and a single storey rear extension to the house	Approved	29/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2119
649	Slough Borough Council	57 GREAT SOUTH-WEST ROAD HOUNSLOW TW4 7NH	P/2017/2283	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and three front roof windows to the house	Approved	30/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2283



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
650	Slough Borough Council	MEADOWBANK 680 BATH ROAD HOUNSLOW LONDON TW5 9QX	P/2017/2339	Erection of a single storey storage cabin to the east side of the building	Approved	07/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2339
651	Slough Borough Council	49 BYRON AVENUE HOUNSLOW LONDON TW4 6LT	PA/2017/2514	Ground floor rear extension 5.95m deep, 3m high to the eaves with the maximum height of 3m.	Prior approval is not required	19/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2514
652		157 BEAVERS LANE HOUNSLOW TW4 6HG	PA/2017/2521	Ground floor rear extension 5 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval is not required	19/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2521
653	Slough Borough Council	64 FIRS DRIVE HOUNSLOW TW5 9TD	P/2017/2726	Erection of single storey front, side and rear extension to the house.	Approved	09/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2726
654	Slough Borough Council	36 BERKELEY AVENUE HOUNSLOW TW4 6LA	PA/2017/2775	Ground floor rear extension 6 metres deep, maximum height of 2.625 metres, 2.475 metres high to the eaves	Prior approval is not required	07/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2775
655	Slough Borough Council	115 GREAT SOUTH WEST ROAD HOUNSLOW TW4 7NQ	P/2017/2837	Erection of a two storey side and part single part two storey rear extensions to the house	Approved	05/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2837
656	Slough Borough Council	16 BERKELEY AVENUE HOUNSLOW TW4 6LA	P/2017/2929	Certificate of lawfulness for the erection of a rear roof extension with two front roof windows to the house	Approved	29/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2929
657	Slough Borough Council	16 RECTORY ROAD HOUNSLOW TW4 7QE	P/2017/2923	Certificate of Lawfulness for the erection of a single storey rear extension to the house.	Approved	10/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2923
658	Slough Borough Council	727 BATH ROAD HOUNSLOW TW5 9SZ	P/2017/3043	Certificate of Lawfulness for Installation of Photovoltaics panels on one of the roof planes.	Approved	14/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3043
659	Slough Borough Council	157 BEAVERS LANE HOUNSLOW TW4 6HG	PA/2017/3436	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval is not required	19/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3436
660	Slough Borough Council	STANSFIELD HOUSE 42 HIGH STREET CRANFORD HOUNSLOW TW5 9RU	P/2017/3529	Listed building consent for repointing to front elevation (tuck) and side elevations (flush) with minor repairs to window reveals.	Approved	04/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3529
661	Slough Borough Council	37 AVENUE CRESCENT HOUNSLOW TW5 9RD	P/2017/3540	Certificate of Lawfulness existing for the use as a house in multiple occupation (C4) accommodating not more than six people	Approved	09/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3540
662	Slough Borough Council	STEYNING WAY HOUNSLOW LONDON TW4 6DL	P/2017/3562	Outline application for the demolition of existing buildings and replacement with new building or buildings up to 12 metres in height and at total floor area of up to 6,170 square metres and for B1c/B2/B8 uses with all matters reserved.	In progress	17/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3562
663	Slough Borough Council	53 BYRON AVENUE HOUNSLOW TW4 6LT	P/2017/3598	Certificate of Lawfulness for erection of a rear roof extension with three roof windows to front elevation.	Approved	10/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3598

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
664	Slough Borough Council	BEAVERS PRIMARY SCHOOL ARUNDEL ROAD HOUNSLOW TW4 6HR	P/2017/3633	Variation of condition 2 (approved plans) to allow alterations to first floor windows, extension of new staircase to the eastern end of the new classroom block and alterations to rain water pipes following planning permission 00046/A/P16 dated 13/12/2016 for erection of a two storey extension to provide four class rooms each for years 5 and 6 including lavatories and ancillary provision to result in a four form entry school throughout all year groups.	In progress	24/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3633
665	Slough Borough Council	36 BERKELEY AVENUE HOUNSLOW TW4 6LA	P/2017/3668	Certificate of lawfulness for erection of a rear roof extension with hip to gable conversion and two roof windows to front elevation of the house	Approved	20/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3668
666	Slough Borough Council	3 CHAUCER AVENUE HOUNSLOW TW4 6NA	P/2017/3690	Erection of a single storey detached outbuilding in rear garden.	Approved	24/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3690
667		47 WOODFIELD ROAD HOUNSLOW TW4 6LL	P/2017/3941	Certificate of Lawfulness for erection of a rear roof extension with hip to gable conversion and two roof windows to front elevation	Approved	20/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3941
668	Slough Borough Council	44 CLEVEDON GARDENS HOUNSLOW TW5 9TS	PA/2017/4019	Ground floor rear extension 5 metres deep, maximum height of 2.95 metres, 2.8 metres high to the eaves	Prior approval is not required	20/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/4019
669	Slough Borough Council	677 BATH ROAD HOUNSLOW TW5 9SR	P/2017/4230	Erection of a two storey side extension to the house.	Approved	28/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4230
670	Slough Borough Council	719 BATH ROAD HOUNSLOW TW5 9SZ	P/2017/4327	Certificate of Lawfulness for the erection of a single storey outbuilding at the rear garden of the house	Approved	28/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4327
671	Slough Borough Council	86 GREAT SOUTH-WEST ROAD HOUNSLOW TW4 7NF	P/2017/4330	Erection of part single / part two storey side and rear extensions to the house incorporating a hip to gable roof conversion.	Approved	06/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4330
672		26 ELY ROAD HOUNSLOW TW4 6HW	P/2017/4381	External alterations from render to brick cladding to the front and rear elevations of the house	Approved	30/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4381
673	Slough Borough Council	804-834 BATH ROAD LONDON TW5 9US	P/2017/4516	Details of eaves, lightboxes and screening to plant areas (condition 3), boundary treatment (4, in part), landscaping (5, in part), vehicle charging points (8), bird hazard management plan (12), water landscaping (14) and relocation of MRU (18) of planning permission 00083/804-834/P6 dated 06/10/2017 for the variation of conditions 2 (plans), 3 (materials) and 17 (SUDS) of planning permission 00083/804-834/P4 dated 15/07/2015 for the erection of a seven-storey hotel building comprising of a total of 437 Bedrooms together with ancillary hotel facilities on the ground floor and 122 parking spaces	Approved	12/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4516
674	Slough Borough Council	56 FIRS DRIVE HOUNSLOW TW5 9TD	P/2017/4698	Retrospective application for the erection of a single storey outbuilding in the rear garden of the house	Approved	19/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4698

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
675	Slough Borough Council	2 FIELD CLOSE HOUNSLOW TW4 6LN	P/2017/4735	Details of storing of waste and recycled materials (condition 9), boundary treatment (condition 10) and cycle parking provision (condition 11) submitted pursuant to planning permission 00445/2/P6 dated 18/07/2017 for demolition of existing single storey side extension and erection of a two storey one bedroom house attached to 2 Field Close	Approved	02/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4735
676	Slough Borough Council	15 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	P/2017/4762	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3m.	Prior approval is not required	04/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/4762
677	Slough Borough Council	14 ST DUNSTANS ROAD HOUNSLOW TW4 7QN	P/2017/4937	Erection of a single storey side extension	Approved	07/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4937
678		10 ST DUNSTANS ROAD HOUNSLOW TW4 7QN	P/2017/4947	Formation of vehicle access to the front of the house	Approved	22/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4947
679		CRANFORD VILLAGE LOCK UP HIGH STREET CRANFORD HOUNSLOW TW5 9RJ	P/2017/5001	Repairs and maintenance to lock-up building (listed building consent)	In progress	27/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5001
680		26 ELY ROAD HOUNSLOW TW4 6HW	P/2017/5048	Certificate of Lawfulness for the erection of a rear roof extension incorporating two front roof windows and a single storey rear extension to the house	Approved	22/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5048
681	Slough Borough Council	MEADOWBANK COMMUNITY CENTRE 668 BATH ROAD HOUNSLOW TW5 9TW	P/2017/5150	Erection of an annexe extension with Art studios and store areas to existing Adult & Community Education Centre	Approved	07/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5150
682	Slough Borough Council	16 ELY ROAD HOUNSLOW LONDON TW4 6HW	PA/2017/5160	Ground floor rear extension 6m deep, 2.85m high to the eaves with the maximum height of 2.95m.	Prior approval is not required	18/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/5160
683	Slough Borough Council	161 FIRS DRIVE HOUNSLOW TW5 9TB	P/2017/5220	Erection of a two storey side extension and a single storey rear/side extension to the house	In progress	12/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5220
684	Slough Borough Council	CB Hounslow Sports Club GREEN LANE HOUNSLOW TW4 6DH	P/2017/5212	Variation of condition 5 (hard & soft landscaping) to allow creation of new bunds and revised landscaping of planning permission 00507/Y/P2 approved 16/10/2016 which permitted the erection of a clubhouse, covered standing and seating area with provision of football pitches and associated parking	In progress	12/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5212
685	Slough Borough Council	46 AVENUE CRESCENT HOUNSLOW TW5 9RE	P/2017/5268	Erection of part first floor rear extension to the house	In progress	14/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5268
686	Slough Borough Council	64 FIRS DRIVE HOUNSLOW TW5 9TD	P/2017/5315	Certificate of Lawfulness for erection of a detached outbuilding for use as a gym	Approved	26/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5315
687	Slough Borough Council	48 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	PA/2017/5324	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3.4m.	Prior approval is not required	26/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/5324



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
688	Slough Borough Council	27 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NH	P/2017/5392	Certificate of Lawfulness for erection of a hip to gable with rear roof extension and one front roof window to the house	In progress	22/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5392
689	Slough Borough Council	19 FIELD CLOSE HOUNSLOW LONDON TW4 6LN	PA/2018/0032	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 4m.	Prior approval is not required	06/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2018/0032
690	Slough Borough Council	618 BATH ROAD HOUNSLOW LONDON TW5 9TL	P/2018/0106	Retention of first floor side extension, awnings to front of premises, ground floor decking to front of premises, side/rear infill extensions, change of use of the upper floors of the premises to use as a hotel	In progress	08/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0106
691	Slough Borough Council	7 CLEVEDON GARDENS HOUNSLOW LONDON TW5 9TR	P/2018/0097	Erection of part single part two storey side extension, single storey rear extension, rear roof extension and a front porch to the house following the demolition of the existing garage and removal of existing crossover.	In progress	08/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0097
692	Slough Borough Council	83-85 BYRON AVENUE HOUNSLOW TW4 6LU	P/2018/0220	Certificate of Lawfulness for the continued use as four self-contained flats	In progress	15/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0220
693	Slough Borough Council	20 ST DUNSTANS ROAD HOUNSLOW LONDON TW4 7QN	P/2018/0260	Erection of a single storey side extension to the house.	In progress	16/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0260
694	Slough Borough Council	58 AVENUE CRESCENT HOUNSLOW LONDON TW5 9RE	P/2018/0291	Erection of a part single part two storey rear extension a two storey side extension and front porch to the house.	In progress	18/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0291
695	Slough Borough Council	COLE GARDENS HOUNSLOW LONDON TW5 9RJ	P/2018/0327	The erection of a fourth floor to all five existing blocks comprising 2 - 72 Cole Gardens with a hipped roof over to provide an additional 12 two bedroom flats	In progress	22/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0327
696	Slough Borough Council	92 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	P/2018/0371	Certificate of Lawfulness for the erection of a hip to gable and rear roof extension with three front roof windows to the house	In progress	24/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0371
697	Slough Borough Council	92 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NF	PA/2018/0372	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3.85m.	In progress	24/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2018/0372
698		3 CHAUCER AVENUE HOUNSLOW TW4 6NA	P/2018/0397	Erection of a detached outbuilding in rear garden for use as a Gym	In progress	25/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0397
699	Slough Borough Council	804-834 BATH ROAD HOUNSLOW TW5 9US	P/2018/0411	Details of condition 17 part 2 (verification of remedial strategy) submitted pursuant to planning permission 00083/804-834/P6 approved 06/10/2017 for the Variation of conditions 2 of planning permission 00083/804-834/P4 dated 15/07/2015 for the erection of a seven-storey hotel building comprising of a total of 437 Bedrooms together with ancillary hotel facilities on the ground floor and 122 parking spaces.	IN progress	29/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0411
700	Slough Borough Council	110 BYRON AVENUE HOUNSLOW TW4 6LY	PA/2018/0449	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	In progress	30/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2018/0449



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
701	Slough Borough Council	83 FIRS DRIVE HOUNSLOW LONDON TW5 9TA	P/2018/0545	Erection of a part single part two storey rear extension to the house.	In progress	07/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0545
702	Slough Borough Council	768 - 722 BATH ROAD HOUNSLOW LONDON TW5 9TY	P/2018/0546	Details of Conditions 3, 4, 5, 9, 10, 12, 13, 14 & 15 submitted pursuant of planning permission 00083/768-772/P2 dated 09/12/2016 for Demolition of no 768A and no768 and erection of a new building and part single story, part two storey rear extension and rear roof extensions to no . 770-772 to create a retail (A1) unit and a restaurant (A3/A5) unit at ground floor and eight flats.	In progress	07/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0546
703	Slough Borough Council	462, 463 &, 514, Colndale Road, Slough	P/11277/005	ERECTION OF 2.4M PALISADE BOUNDARY FENCE AND GATES	Approved	7th June 2013	
704	Slough Borough Council	Unit 1-4, Lakeside Industrial Estate, Colnbrook, SL3 0ED	P/15476/000	LAWFUL DEVELOPMENT CERTIFICATE FOR: INSTALLATION OF NEW AND REPLACEMENT OF OLD LOADING DOORS IN UNIT 1-4 & NEW INTERNAL OFFICE DOOR TO UNIT 3 ALTERATION OF THE FENCE LINES WITHIN THE SERVICE YARDS TO ACCOMMODATE A NEW 2M HIGH PALISADE FENCE BETWEEN UNIT 2&3 AND 3&4. REMOVAL OF THE EXISTING ENTRANCE GATE TO UNITS 2-4 RECONFIGURATION OF CAR PARK.	Approved	22nd May 2013	
705	Slough Borough Council	Pippins School, Raymond Close, Colnbrook, Slough, SL3 0PR	P/09772/006	INSTALLATION OF CHILDRENS PLAY EQUIPMENT AND SEATING AREAS	Approved	7th June 2013	
706	Slough Borough Council	Manor Farm, Poyle Road, Poyle, Slough, Berks, SL3 0B	P/11388/005	REGRAIDING OF FIELDS TO RESTORE 1992 POST RESTORATION CONTOURS	Approved	20th June 2014	
707	Slough Borough Council	Kidde Gravier Ltd, Mathisen Way, Colnbrook, Slough, SL3 0HB	P/11219/005	INSTALLATION OF NEW LOGO SIGN IN THE FRONT ELEVATION AND REPLACE THE EXISTING 4 LOGO SIGNS WITH NEW COMPANY LOGO SIGNS	Approved	23rd June 2013	
708	Slough Borough Council		P/11219/006	Application for a Lawful Development Certificate to establish if the use of the site falls within the use class of Business B1a and B1b of the Town and Country Planning (Use Classes) Order 1987 continuously for more than 10 years	Approved	30th January 2017	
709	Slough Borough Council	1a, Trent Road, Slough, SL3 8AW	P/09885/007	PROPOSED EXTENSION OF EXISTING REAR GARDEN AREA IN TO THE REAR LAND BEHIND NOS 13 AND 15 SUTTON LANE	Approved	23rd July 2013	
710	Slough Borough Council	22, Cottesbrooke Close, Colnbrook, Slough, SL3 0JE	P/14846/004	PROPOSAL FOR LAWFUL DEVELOPMENT CERTIFICATE FOR INSTALLATION OF A REAR DORMER WITH FLAT ROOF AND INSERTION OF A TOTAL OF 5 SKY LIGHTS 2 AT THE FRONT ROOF AND 3 AT THE REAR	Approved	30th July 2013	
711	Slough Borough Council	6 Jubilee Cottages, Sutton Lane, Slough, SL3 8AD	P/15539/001	LAWFUL DEVELOPMENT CERTIFICATE FOR SINGLE STOREY SIDE EXTENSION WITH FLAT ROOF	Approved	15th August 2013	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
712	Slough Borough Council	Rosary Farm, Bath Road, Colnbrook, Slough, Berkshire	P/10697/008	VARIATION OF CONDITION NO.6 OF PLANNING PERMISSION P/10697/000 DATED 2ND FEBRUARY 1999 AND RELATED PERMISSIONS KNOWN AS P/10697/001 DATED 2ND MARCH 2000 AND P/10697/003 DATED 3RD OCTOBER 2002 TO INCLUDE TWO ADDITIONAL WASTE CATEGORIES	Approved	15th October 2013	
713	Slough Borough Council	12, Winchester Close, Colnbrook, Slough, SL3 0PT	P/13516/002	APPLICATION FOR LAWFUL DEVELOPMENT CERTIFICATE FOR A REAR FACING DORMER WINDOW WITH FLAT ROOF	Approved	30th July 2013	
714	Slough Borough Council	Lakeside EFW Limited, Lakeside Road, Colnbrook Road, Slough, SL3 0FE	P/09858/020	CERTIFICATE OF LAWFULNESS OF A PROPOSED DEVELOPMENT COMPRISING THE INSTALLATION OF NO.10 SETS OF SOLAR PANELS ONTO THE ROOF OF THE LAKESIDE	Approved	17th July 2013	
715	Slough Borough Council	37, Trent Road, Slough, SL3 8AW	P/15531/001	LAWFUL DEVELOPMENT CERTIFICATE FOR ERECTION OF A SINGLE STOREY REAR CONSERVATORY	Approved	21st August 2013	
716	Slough Borough Council	Vicarage Way Childrens Centre, Vicarage Way, Slough, SL3 0JY	S/00664/002	APPLICATION FOR LAWFUL DEVELOPMENT CERTIFICATE FOR 3NO AIR CONDITIONING UNITS ON ROOF OF EXISTING BUILDING	Pending	23rd August 2013	
717	Slough Borough Council	6 Jubilee Cottages, Sutton Lane, Slough, SL3 8AD	P/15539/002	RETROSPECTIVE APPLICATION FOR THE ERECTION OF A SINGLE STOREY REAR EXTENSION WITH A FLAT ROOF	Approved	23rd September 2013	
718	Slough Borough Council	Former Heathrow Cold Store, Lakeside Industrial Estate, Lakeside Road, Colnbrook, Slough, Berkshire, SL3 0ED	P/10864/006	ERECTION OF A WASTE PROCESSING FACILITY AND LINK CORRIDOR (TO AN EXISTING BUILDING USED FOR FOOD PREPARATION AND PROCESSING AND DISTRIBUTION) WITH ALTERATIONS TO EXISTING BUILDING	Approved	25th July 2014	
719	Slough Borough Council	THE SMITHY, PARK STREET, COLNBROOK, BERKS, SL3 0JF	F/14825/003	PRIOR APPROVAL NOTIFICATION TO CHANGE THE PROPERTY FROM CLASS B1(A) OFFICES TO RESIDENTIAL CLASS C3	Approved	29th July 2013	
720	Slough Borough Council	8, Ingleside, Colnbrook, Slough, SL3 0PD	P/13951/002	LAWFUL DEVELOPMENT CERTIFICATE FOR CHANGE OF AN EXISTING USE (C3 DWELLING HOUSE) TO TWO SELF CONTAINED UNITS/FLATS	Approved	13th November 2013	
721	Slough Borough Council	Ye Olde George Inn, 146, High Street, Colnbrook, SL3 0LX	P/09960/009	INTERNAL ALTERATIONS TO INCLUDE A NEW BAR COUNTER GENERAL REFURBISHMENT, NEW RAISED FLOOR FIXED SEATING MODIFIED EXTRACTOR DUCT AND AIR INPUT FAN TO EXISTING WINDOW TO KITCHEN	Approved	8th October 2013	
722	Slough Borough Council	A T S LTD, Poyle Road, Colnbrook, Slough, SL3 0AA	P/10044/002	ERECTION OF 2NO. INTERNALLY ILLUMINATED FASCIA SIGNS AND 1NO. INTERNALLY ILLUMINATED TOTEM SIGN.	Approved	24th October 2013	
723	Slough Borough Council		P/10044/003	INSTALLATION OF 2 ILLUMINATED FASCIA SIGNS AND 1 TOTEM SIGN.	Approved	13th February 2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
724	Slough Borough Council	1, Layburn Crescent, Slough, SL3 8QL	P/15597/000	LAWFUL DEVELOPMENT CERTIFICATE FOR THE CONVERSION OF THE EXISTING GARAGE INTO A HABITABLE ROOM AND INSTALLATION OF A WINDOW TO REPLACE GARAGE DOOR AND FLANK WALL WINDOW, PROVISION OF A WHEELCHAIR RAMP	Approved	31st October 2013	
725	Slough Borough Council	18a, Springfield Road, Slough, SL3 8QJ	P/12181/002	RETENTION OF A SINGLE STOREY REAR EXTENSION BEYOND THE REAR WALL OF THE ORIGINAL HOUSE BY 4.8M AND 4 METRES WITH A SLOPING ROOF (RETROSPECTIVE)	Approved	21st October 2013	
726	Slough Borough Council	70, Moreland Avenue, Colnbrook, Slough, SL3 0LR	P/15605/000	PROPOSED CERTIFICATE OF LAWFUL DEVELOPMENT FOR ERECTION OF A SINGLE STOREY REAR EXTENSION WITH A SLOPING ROOF	Approved	5th November 2013	
727	Slough Borough Council	10, Rudsworth Close, Colnbrook, Slough, SL3 0HR	P/15610/000	REPLACEMENT OF EXISTING WINDOWS WITH UPVC WINDOWS	Approved	13th November 2013	
728	Slough Borough Council	Old George, 146, High Street, Colnbrook, Slough, SL3 0LX	P/09960/010. Application P/09960/011 for LBC	CONSENT TO INSTALL 1 NO EXTERNALLY ILLUMINATED SWING SIGN ON EXISTING BRACKET, 2 NO EXTERNALLY ILLUMINATED AMENITY BOARDS, 1 NO PARKING DIRECTIONAL SIGN, APPLIED LETTERS ILLUMINATED BY COWL LIGHTS, BRASS MENU CASE AND ENTRANCE LANTERN ON THE FRONT ELEVATION	Approved	29th October 2013	
729	Slough Borough Council	Little Boppers Nursery, 540, London Road, Colnbrook, Berkshire, SL3 8QR	P/07480/013	VARIATION OF CONDITION 4 OF PLANNING PERMISSION P/07480/012 (CONTINUOUS USE OF PREMISES AS DAY CARE NURSERY) FOR EXTENSION OF OPENING HOURS FROM 5AM TO 11PM MONDAY TO SUNDAY	Approved	15th November 2013	
730	Slough Borough Council	19 Colnbrook Court, Old Bath Road, Colnbrook, Slough, SL3 0NN	P/10489/002	PROPOSED CHANGE OF USE OF EXISTING COMMERCIAL PREMISES (A1) USE TO A RESTAURANT TAKEAWAY (A3 AND A5) MIXED USES, AND VENTILATION FLUE	Approved	6th August 2014	
731	Slough Borough Council	49, Crown Meadow, Colnbrook, Slough, SL3 0LJ	P/15632/000	ERECTION OF TWO STOREY SIDE EXTENSION WITH GABLE ROOF	Approved	9th December 2013	
732	Slough Borough Council	Colnbrook Rail Depot, Colnbrook By Pass, Slough, Berkshire, SL3 0EB	P/11133/015	APPLICATION FOR MINOR MATERIAL AMENDMENT: VARIATION OF CONDITION NO. 2 (APPROVED PLANS) OF PLANNING PERMISSION P/11133/013, DATED 16TH JANUARY 2011, TO CHANGE SHAPE OF MAIN BUILDING, NEW ROOF ELEMENT OVER CONVEYOR BELT, CHANGE IN ROOF OF STORAGE AREAS, REDUCTION IN OFFICE SPACE AND REMOVAL OF WORKSHOP	Approved	13th December 2013	
733	Slough Borough Council	Unit 1, Prescott Road, Colnbrook, Slough, SL3 0AE	P/14486/001	ERECTION OF 2500 SQUARE METRE WAREHOUSE BUILDING WITH ANCILLARY OFFICE SPACE AND ASSOCIATED PARKING FOLLOWING DEMOLITION OF EXISTING BUILDINGS	Approved	1st October 2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
734			F/11667/006	APPROVAL NOTIFICATION FOR A CHANGE OF USE OF FIRST FLOOR FROM CLASS B1(A) OFFICES TO CLASS C3 RESIDENTIAL	Approved	23rd December 2013	
735	Slough Borough Council	Bank Chambers, Poyle Road, Colnbrook, Slough, SL3 0AA	P/11667/009	INSTALLATION OF NEW SHOPFRONT, SIDE WINDOWS, A DOOR AND SHUTTERS TO THE PROPERTY FOR USE AS A1 USE (SUBWAY)	Approved	2nd April 2014	
736	Slough Borough Council		P/11667/010	PROPOSED LAWFUL DEVELOPMENT CERTIFICATE FOR CHANGE OF USE OF (A2) TO SUBWAY SANDWICH PREPARATION AND SALES (A1) USE.	Approved	26th March 2014	
737			3, Trent Road, Slough, SL3 8AW	P/15656/000	LAWFUL DEVELOPMENT CERTIFICATE FOR REAR DORMER WITH FLAT ROOF TO FACILITATE LOFT ACCOMODATION.	Approved	23rd December 2013
738	Slough Borough Council	1, Poyle Road, Colnbrook, Slough, SL3 0EZ	P/15669/000	INSTALLATION OF SECURITY METAL SHUTTERS COVER TO FRONT ENTRANCE OF SHOP	Approved	9th January 2014	
739	Slough Borough Council		P/15669/001	INSTALLATION OF A NEW INTERNALLY ILLUMINATED FASCIA SIGN ABOVE THE SECURITY SHUTTER OF CAFE SHOP	Approved	9th January 2014	
740	Slough Borough Council	COLNBROOK C OF E PRIMARY SCHOOL, HIGH STREET, COLNBROOK, SLOUGH, BERKS, SL3 0LE	P/11371/004	ERECTION OF A NEW RECEPTION/ENTRANCE EXTENSION AND AN EXTENSION TO THE EXISTING STAFF ROOM WITH FLAT ROOF	Approved	29th January 2014	
741	Slough Borough Council	Aggregate Depot, Colnbrook By Pass, Slough, Berkshire, SL3 0EB	P/11133/017	RETENTION OF A SINGLE STOREY BUILDING HOUSING BOTTOM DISCHARGE RAIL UNIT FOR THE RECEIPT OF AGGREGATES DELIVERED BY RAIL	Approved	3rd April 2014	
742			P/11133/019	DISPLAY OF THREE NON ILLUMINATED FASCIA SIGNS	Approved	28th May 2014	
743	Slough Borough Council		P/11133/020	APPLICATION FOR VARIATION TO CONDITION 02 (APPROVED PLANS) OF PLANNING PERMISSION REFERENCE P/11133/000 DATED 25TH OCTOBER 2000 AS AMENDED BY PLANNING PERMISSION P/11133/003 DATED 08TH NOVEMBER 2002 FOR MODIFICATION OF LANDSCAPE BUND PROFILE TO RE ROUTE ACCESS ROAD	Approved	16th March 2015	
744			P/11133/022	Application for a Lawful Development Certificate to determine if the installation of a microwave antenna positioned on the main building would be lawful.	Approved	7th November 2016	
745	Slough Borough Council	Pippins School, Raymond Close, Colnbrook, Slough, SL3 0PR	P/09772/007	CHANGE OF USE OF CARETAKER'S HOUSE FOR EDUCATIONAL USE.	Approved	14th February 2014	
746	Slough Borough Council	Blackthorne Trading Estate, Blackthorne Crescent, Colnbrook, Berkshire SL3 0QR	P/09881/006	ERECTION OF 1NO NON-ILLUMINATED FREE STANDING SIGN AND 2NO NON ILLUMINATED SIGNS FIXED TO SITE HOARDING	Approved	14th February 2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
747	Slough Borough Council	34, Severn Crescent, Slough, SL3 8UX	P/15733/000	LAWFUL DEVELOPMENT CERTIFICATE FOR A PROPOSED LOFT CONVERSION, INSTALLATION OF REAR DORMER WINDOW AND 3X VELUX WINDOW TO THE FRONT ROOF SLOPE	Approved	17th April 2014	
748	Slough Borough Council	Saints Transport Ltd, Unit 14, Halo House, Galleymead Road, Colnbrook, Slough, SL3 0EN	P/12982/007	APPLICATION FOR EXPRESS CONSENT FOR 2 NO. LED ADVERTISING DISPLAYS EACH MEASURING 18M WIDE X 4.6M HIGH MOUNTED ON INTERNALLY ILLUMINATED OPEN MESH LEGS AND RISING CUT-AWAY DETAILING	Approved	29th April 2014	
749	Slough Borough Council	The Lodge, High Street, Colnbrook, Slough, SL3 0LX	P/10485/005	ERECTION OF SINGLE STOREY REAR EXTENSION FOR USE AS A GRANNY ANNEX	Approved	10th July 2014	
750		Poyle Caravan Park, Poyle Park, Horton Road, Colnbrook, Slough, SL3 0AU	S/00707/000	INSTALLATION OF A FREE STANDING STATIC HOME ONTO A PRE-EXISTING CONCRETE BASE MEASURING 12.192M X 36.58M ON PLOT 11 POYLE PARK	Approved	1st September 2014	
751	Slough Borough Council	11, Aintree Close, Colnbrook, Slough, SL3 0QF	P/12563/001	REPLACE GARAGE DOOR WITH UPVC WINDOW AND BRICKWORK TO MATCH EXISTING TO FACILITATE GARAGE CONVERSION TO HABITABLE ROOM	Approved	16th June 2013	
752	Slough Borough Council	42, Dawley Ride, Colnbrook, Slough, SL3 0QH	Y/15759/000	THE ERECTION OF A SINGLE STOREY REAR EXTENSION , WHICH WOULD EXTEND BEYOND THE REAR WALL OF THE ORIGINAL HOUSE BY 6.0M, WITH A MAXIMUM HEIGHT OF 3.0M AND EAVES HEIGHT OF 2.8M.	Approved	16th May 2014	
753			P/15759/003	CONSTRUCTION OF A SINGLE STOREY SIDE AND REAR EXTENSION	Approved	10th March 2015	
754	Slough Borough Council	626, London Road, Slough, SL3 8QH	P/15492/001	APPLICATION FOR A NON MATERIAL AMENDMENT INCORPORATING ADDITION OF A SMALL SIDE WINDOW AND INSTALLATION OF A DOUBLE DOOR INSTEAD OF A SINGLE DOOR FOLLOWING GRANT OF PLANNING PERMISSION REF: P/15492/000	Approved	19th June 2014	
755	Slough Borough Council	31, Brands Road, Slough, SL3 8QP	P/15254/003	APPLICATION FOR APPROVAL DETAILS AND DISCHARGE OF CONDITIONS 4, 5, 6 AND 7 FOLLOWING GRANT OF PLANNING PERMISSION REF P/15254/002 DATED 09/10/2013	Approved	3rd July 2014	
756	Slough Borough Council	Brook House & Future House, Poyle Road, Colnbrook, Slough, SL3 0AA	P/09961/004	APPLICATION FOR VARIATION OF CONDITION 09 TO AMEND THE GROSS FLOOR AREA FROM 4011M2 TO 4204.6M2 AND CONDITION 12 TO ALLOW LIMITED DEVELOPMENT WITHIN BUFFER ZONE TO POYLE CHANNEL OF PLANNING PERMISSION REFERENCE P/09961/002 DATED 20/11/2012.	Approved	31st July 2014	

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
757	Slough Borough Council		P/09961/003	APPLICATION FOR RESERVED MATTERS RELATING TO APPEARANCE LANDSCAPING LAYOUT AND SCALE PURSUANT TO CONDITION 01 OF PLANNING PERMISSION REFERENCE P/09961/002 DATED 20/11/2012 FOR ERECTION OF A NEW BUILDING FOR CLASS B1 (B) (RESEARCH, DEVELOPMENT, HIGH TECHNOLOGY) OR CLASS B1 (C) LIGHT INDUSTRIAL, AND OR A CLASS B2 (GENERAL INDUSTRY) AND OR CLASS B8 (STORAGE AND DISTRIBUTION) WITH IMPROVED ACCESS, NEW PERIMETER FENCE, PARKING AND LANDSCAPING.	Approved	31st July 2014	
758	Slough Borough Council		P/09961/005	APPLICATION FOR THE VARIATION OF CONDITION 6 TO PLANNING PERMISSION P/09961/004 TO RESTRICT THE HEIGHT OF THE BUILDING TO 56M AOD	Approved	15th May 2015	
759	Slough Borough Council		P/09961/006	VARIATION OF CONDITION 1 (APPROVED PLANS) TO PLANNING PERMISSION P/09961/003 DATED 31ST JULY 2014 TO ALLOW INCREASED HEIGHT, REDUCED FLOORSPACE AND ELEVATIONAL CHANGES.	Approved	15th May 2015	
760	Slough Borough Council		P/09961/013	Variation of condition 1 (approved plans) to planning permission P/09961/006 dated 15/05/2015 to add addition loading doors and move existing fire doors	Approved	30th January 2017	
761	Slough Borough Council						
762	Slough Borough Council	6, Myrtle Close, Colnbrook, Slough, SL3 0PZ	P/15853/000	CONSTRUCTION OF SINGLE STOREY SIDE EXTENSION	Approved	17th September 2014	
763	Slough Borough Council		P/15853/001	CONSTRUCTION OF TWO STOREY SIDE EXTENSION	Approved	4th November 2014	
764	Slough Borough Council	Rogans Garage, 585, London Road, Colnbrook By Pass, Colnbrook, SL3 8QQ	P/01163/006	DEVELOPMENT OF SITE TO PROVIDE 61 RESIDENTIAL UNITS IN 3 SEPERATE BLOCKS IN A PART 5 / PART 4 / PART 3 STOREY DEVELOPMENT ON A PODIUM ABOVE A SEMI BASEMENT CAR PARK PROVIDING FOR 75 CAR SPACES (PART RETROSPECTIVE)	Approved	11th February 2015	
765	Slough Borough Council	36, High Street, Colnbrook, Berkshire, SL3 0LX	P/15860/000	APPLICATION FOR ADVERTISEMENT CONSENT TO DISPLAY 1 X FASCIA SIGN, 1 X PROJECTING SIGN, 2 X LED HANGING SIGNS OVER WINDOWS AND 2 X WALL HANGING NOTICE BOARDS	Approved	1st September 2014	
766	Slough Borough Council	28, Sutton Lane, Slough, SL3 8AE	P/15870/000	CERTIFICATE OF LAWFUL DEVELOPMENT FOR CONSTRUCTION OF FRONT PORCH; ENLARGEMENT OF EXISTING REAR DORMER AND CHANGE OF ROOF SHAPE FROM HIPPED TO GABLE (NORTHERN SIDE) TO FACILITATE ENLARGEMENT OF EXISTING HABITABLE ACCOMMODATION IN ROOF SPACE	Approved	2nd September 2014	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
767	Slough Borough Council	Unit 2 & 3, Argonaut Park, Galleymead Road, Poyle, Colnbrook, SL3 0EN	P/15424/001	Installation of new 1.8m high steel galvanised palisade security fencing to perimeter of site	Approved	6th October 2014	
768	Slough Borough Council	The Smithy, Park Street, Slough, Berkshire, SL3 0JF	F/14825/004	PRIOR APPROVAL NOTIFICATION FOR A CHANGE OF USE FROM OFFICES (CLASS B1 (a)) TO RESIDENTIAL (CLASS C3).	Approved	25th September 2014	
769	Slough Borough Council	5 Jubilee Cottages, Sutton Lane, Slough, SL3 8AD	P/15910/000	PROPOSED LAWFUL DEVELOPMENT CERTIFICATE FOR LOFT CONVERSION INCLUDING A REAR DORMER.	Approved	24th October 2014	
770	Slough Borough Council	Rosary Farm, Bath Road, Colnbrook, Slough, Berkshire	P/10697/009	ERECTION OF NEW BUILDING TO HOUSE NEW RECYCLING FACILITY WITH REVISED ACCESS AND INTERNAL LAYOUT.	Approved	22nd April 2016	
771	Slough Borough Council	14, Ingleside, Colnbrook, Slough, SL3 0PD	P/15931/000	CONSTRUCTION OF A GREENHOUSE AT THE SIDE OF THE EXISTING SIDE ELEVATION	Approved	8th May 2015	
772	Slough Borough Council	Park House, 146, High Street, Colnbrook, Slough, SL3 0LX	P/09780/007	CONVERSION OF EXISTING BUILDING TO PROVIDE SIX APARTMENTS, NEW ENTRANCE DOOR AND CHANGES TO FENESTRATION	Approved	23rd March 2015	
773	Slough Borough Council	George Lines (merchants) Ltd, Coln Industrial Estate, Old Bath Road, Colnbrook, Slough, SL3 0NJ	P/12760/002	CONSTRUCTION OF BUILDING WITH MEZZANINE FLOOR FOR ANCILLARY STORAGE OF BUILDING MATERIALS TOGETHER WITH WELFARE FACILITIES IN CONNECTION WITH THE USE OF THE SITE AS A BUILDERS MERCHANTS	Approved	22nd December 2014	
774	Slough Borough Council	61, Coleridge Crescent, Colnbrook, Slough, SL3 0QD	P/13963/001	APPLICATION FOR ADVERTISEMENT CONSENT FOR RETENTION OF AN ILLUMINATED ATM SURROUND	Approved	9th December 2014	
775	Slough Borough Council	1, Blackthorne Road, Colnbrook, Slough, SL3 0DA	P/10411/001	INSTALLATION OF INTERNALLY ILLUMINATED FASCIA SIGN AND SIDE INTERNALLY ILLUMINATED PROJECTED BOX SIGN	Approved	5th January 2015	
776	Slough Borough Council	Poyle 14 Trading Estate, Horton Road, Colnbrook, Slough	P/11490/002	APPLICATION FOR PRIOR NOTIFICATION OF DEMOLITION OF EXISTING BUILDING NO'S 1-17 AND ASSOCIATED STRUCTURES	Approved	8th December 2014	
777	Slough Borough Council	8, Fawsley Close, Colnbrook, Slough, SL3 0QA	P/15983/000	LAWFUL DEVELOPMENT CERTIFICATE FOR AN EXISTING OUTBUILDING	Approved	7th April 2015	
778		2nd Floor Flat, Bank Chambers, Poyle Road, Colnbrook, Slough, SL3 0AA	P/11667/013	CHANGE OF USE OF THE SECOND FLOOR FROM CLASS B1 (A) OFFICES TO CLASS C3 RESIDENTIAL TO PROVIDE 1 X 2 BEDROOM AND 1 X 1 BEDROOM FLATS	Approved	26th January 2015	
779	Slough Borough Council	COLNBROOK COURT, BATH ROAD, COLNBROOK, BERKSHIRE	P/11316/001	INSTALLATION OF AUTOMATIC OPENING BARRIER AND YELLOW "NO PARKING" AND HATCHED AREA TO EXISTING ROAD FINISH	Approved	22nd January 2015	
780	Slough Borough Council	12, Willow Close, Colnbrook, Slough, SL3 0LF	P/09896/004	CONVERSION AND EXTENSION OF THE EXISTING SHED TO A SINGLE STOREY SIDE EXTENSION AND CONVERSION OF THE TWO EXISTING GARAGES TO HABITABLE ROOM	Approved	5th February 2015	
781	Slough Borough Council		P/09896/006	Lawful development certificate for use of property as a Class C4 house in multiple occupation	Approved	1st February 2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
782	Slough Borough Council	Theale, Old Bath Road, Colnbrook, Slough, SL3 0NS	P/12934/009	REDEVELOPMENT OF SITE TO PROVIDE 22NO. FLATS CONTAINED WITHIN ONE 5 STOREY AND 4 STOREY BLOCKS TOGETHER WITH ACCESS PARKING AND LANDSCAPING	Approved	8th March 2015	
783		5 Jubilee Cottages, Sutton Lane, Slough, SL3 8AD	P/15910/001	CONSTRUCTION OF A GROUND FLOOR REAR EXTENSION	Approved	10th October 2014	
784	Slough Borough Council		P/11490/003	DEMOLITION OF EXISTING BUILDINGS ON SITE AND REDEVELOPMENT OF A 8,758SQM CLASS B8 DISTRIBUTION WAREHOUSE TOGETHER WITH 6,059SQM OF B1(a) ANCILLARY OFFICE SPACE (INCLUDING MEZZANINE), HGV PARKING, EMPLOYEE AND CUSTOMER CAR PARKING AND ANCILLARY WORKS	Approved	18th May 2015	
785	Slough Borough Council	Poyle 14, Newlands Drive, Poyle, Slough, SL3 0DX	P/11490/005	Non Material Amendment Pursuant to planning application P/11490/003 for the following: installation of canopy (east & west elevation), additional level access door, omission of 3 dock doors to the warehouse (east elevation), re-profiling of cladding, external staircases fully enclosed (east & west elevation), omission of PUD openings and personnel doors to the warehouse (north elevation), lobbied sliding doors to the office main entrance receptions (south elevation) and traffic island and steps to main entrance gatehouse	Approved	6th November 2015	
786	Slough Borough Council		P/11490/008	Non - Material Amendments to drawings approved under planning permission P/11490/003 as amended by Non - Material Amendment P/11490/005 to amend the multi-storey car park	Approved	18th April 2016	
787	Slough Borough Council		P/11490/009	Non Material minor amendment to planning permission P/11490/003 as amended by non material amendment P/11490/005 at Poyle 14 and P/11490/008. Proposal to replace a sliding door with a revolving door and an emergency door.	Approved	12th July 2016	
788	Slough Borough Council		P/11490/010	Erection of 10no. new signs within the site boundary	Approved	8th September 2016	
789	Slough Borough Council	8, Myrtle Close, Colnbrook, Slough, SL3 0PZ	P/16018/000	CONSTRUCTION OF A PROPOSED SINGLE STOREY SIDE EXTENSION AND A PART REAR SINGLE STOREY REAR EXTENSION	Approved	9th March 2015	
790	Slough Borough Council	Land At Layby Between Mathisen Way, & Condale Road, Poyle Road, Colnbrook, Slough, Berkshire	X/00141/001	APPLICATION FOR PRIOR APPROVAL FOR THE REPLACEMENT OF EXISTING 15M POLE WITH 17.5M POLE, ADDITIONAL CABINET AND ANCILLARY WORKS	Approved	11th February 2015	
791	Slough Borough Council	HEATHROW APPROACH, 470, LONDON ROAD, LANGLEY, SLOUGH, BERKS	P/00575/033	REPLACEMENT OF EXTERNAL MATERIALS TO FRONT ELEVATIONS, TOGETHER WITH RE-GRADED ENTRANCE ACCESS AND ASSOCIATED LANDSCAPING WORKS.	Approved	20th March 2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
792	Slough Borough Council	76, Torridge Road, Slough, SL3 8UR	P/16042/000	LAWFUL DEVELOPMENT CERTIFICATE FOR A PROPOSED SINGLE STOREY REAR EXTENSION	Approved	18th March 2015	
793	Slough Borough Council	2, Market Place, High Street, Colnbrook, Slough, SL3 0NF	P/16051/000	CHANGE OF SHOP FRONT AND REMOVAL OF SIDE DOOR	Approved	17th April 2015	
794	Slough Borough Council		P/16051/001	Installation of fascia sign board above the shop front door way	Approved	15th July 2015	
795	Slough Borough Council	25, Meadow Brook Close, Colnbrook, Slough, SL3 0PA	P/16025/001	Construction of a single storey side extension.	Approved	9th June 2015	
796	Slough Borough Council	470, LONDON ROAD, SLOUGH, BERKS, SL3 8QY	P/00575/034	APPLICATION FOR ADVERTISEMENT CONSENT TO DISPLAY THREE ILLUMINATED FASCIA SIGNS AND THREE NON ILLUMINATED TOTEM SIGNS	Approved	21st April 2015	
797	Slough Borough Council	12, Sutton Place, Slough, SL3 8AA	Y/16114/000	The erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4.0m, with a maximum height of 3.5m and eaves height of 2.6m	Prior approval not required	20th April 2015	
798	Slough Borough Council	Land At Coleridge Crescent & Adj To, Hadley Court, Colnbrook, Slough, Berkshire	P/11658/008	Construction of a terrace of 3no. x 3 storey town houses together with access and parking. Outline application with landscaping reserved for subsequent approval.	Approved	17th June 2015	
799	Slough Borough Council	16, WELLAND CLOSE, SLOUGH, BERKSHIRE	P/08429/008	Construction of a proposed single storey rear extension	Approved	15th May 2015	
800	Slough Borough Council	9-11, DAVID ROAD, POYLE TRADING ESTATE, COLNBROOK, SLOUGH, BERKSHIRE, SL3 0DB	P/16138/000	Demolition of existing buildings and construction of a new two storey building for use as a store and preparation centre in connection with the neighbouring bakery	Approved	8th March 2016	
801	Slough Borough Council	2 Mildridge Cottages, Horton Road, Colnbrook, Slough, SL3 0LW	P/14120/002	Construction of a single storey rear extension	Approved	25th August 2015	
802	Slough Borough Council	Bridge House, Mill Brook Way, Riverside Park, Poyle, SL3 0HH	F/15092/001	Prior approval notification for a change of use from offices (Class B1(a)) to residential (class C3) (15no.flats)	Approved	14th July 2015	
803	Slough Borough Council		F/15429/002	Prior notification for the change of use of office (B1a) to 17 self contained apartments (C3)	Prior approval not required	31st May 2016	
804	Slough Borough Council	11, Daventry Close, Colnbrook, Slough, SL3 0PW	P/16145/000	Construction of a single storey side, rear extension and front porch	Approved	26th June 2015	
805	Slough Borough Council	578, London Road, Slough, SL3 8QF	P/16160/001	Construction of a proposed single storey rear extension	Approved	8th June 2015	
806	Slough Borough Council		P/16160/000	Certificate of lawful development for construction of side facing dormer window	Approved	8th June 2015	
807	Slough Borough Council	6 Ryefield Terrace, Mill Street, Colnbrook, Slough, SL3 0JN	P/16167/000	Construction of a single storey rear extension following demolition of existing extension	Approved	3rd August 2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
808	Slough Borough Council	9, Brands Road, Slough, SL3 8QP	Y/16169/000	The erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 3.7m, with a maximum height of 2.9m, and an eaves height of 2.9m	Approved	2nd June 2015	
809	Slough Borough Council	16, Cottesbrooke Close, Colnbrook, Slough, SL3 0JE	P/16201/000	Construction of a two storey side and single storey rear extension	Approved	4th December 2015	
810	Slough Borough Council	30, Rodney Way, Colnbrook, Slough, SL3 0PN	P/16235/000	Construction of a two storey side and part single/ part two storey rear extension	Approved	11th September 2015	
811	Slough Borough Council		P/16235/001	Variation to condition 2 (Approved plans) of planning permission P/16235/000 dated 11-09-2015	Approved	31st August 2017	
812	Slough Borough Council	26, Springfield Road, Slough, SL3 8QJ	P/16259/000	Proposal to convert the existing bungalow to a two storey four bedroom house with a hipped and pitched roof and construction of an outbuilding at the rear of the garden with flat roof.	Approved	20th November 2015	
813	Slough Borough Council	3, Harrison Barber Cottages, High Street, Colnbrook, Slough, SL3 0NA	P/14758/002	Construction of a single storey rear extension	Approved	23rd September 2015	
814	Slough Borough Council	Grass Verge, Poyle Road, Poyle, Slough, Berks	X/00061/001	Replacement of existing 10m with a 12m monopole with 1 additional cabinet	Approved	20th October 2015	
815	Slough Borough Council	Aramex, Aramex House, Old Bath Road, Colnbrook, Slough, SL3 0NS	P/10248/003	Removal of Planning Condition 3 of Planning Permission ref: no.P/10248/002 to allow increased in floor space with installation of a mezzanine floor	Approved	1st February 2016	
816	Slough Borough Council	Unit 2, Colnbrook Industrial Estate, Old Bath Road, Colnbrook, Berkshire, SL3 0NJ	P/13310/016	Change of use from Go Kart Centre (sui generis) to Indoor Trampoline Park (class D2)	Approved	27th January 2016	
817	Slough Borough Council		P/13310/017	Removal of Condition 5 (Directional Signage) & Condition 6 (Sightlines) of planning permission P/13310/016 dated 27/10/2016 (Change of Use from Go Kart Centre to Indoor Trampoline Park).	Approved	3rd March 2017	
818	Slough Borough Council	36, Sherborne Close, Colnbrook, Slough, SL3 0PB	P/16139/001	Construction of a single storey rear extension	Approved	29th February 2016	
819	Slough Borough Council	82 Severn Crescent, Slough, SL3 8UX	P/06853/002	Construction of a first floor rear extension with pitched roof	Approved	11th December 2015	
820	Slough Borough Council		Y/06853/003	The erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 6m, with a maximum height of 3.1m, and an eaves height of 2.6m.	Approved	24th December 2015	
821	Slough Borough Council	23, Willow Road, Poyle, Slough, SL3 0BS	P/16358/000	Alterations to frontage to form front projection and raised roof from front to rear	Approved	8th February 2016	
822	Slough Borough Council	15, Coleridge Crescent, Colnbrook, Slough, SL3 0PY	P/16367/000	Construction of a single storey and two storey rear extension and a first floor	Approved	24th December 2015	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
823	Slough Borough Council	68, Torridge Road, Slough, SL3 8UR	Y/16371/000	The erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 6m, with a maximum height of 3m, and an eaves height of 2.9m	Prior approval not required	23rd November 2015	
824	Slough Borough Council	19, Coleridge Crescent, Colnbrook, Slough, SL3 0PY	P/16375/000	Construction of a part single, part two storey side and part first floor rear extension	Approved	23rd February 2016	
825	Slough Borough Council	Units 12 - 14, David Road, Poyle, Slough, SL3 0DB	P/16330/001	Demolition of unit 14 and use of yard for mobile cranes. Alterations to unit 12, including increase of roof height with insertion of rooflights, new shelter doors and external / internal alterations with associated works.	Approved	9th November 2015	
826	Slough Borough Council	1-10, Disraeli Court, Sutton Place, Slough, SL3 8XE	P/02239/003	New brown PVCu windows composite doors. Replace fascias, soffits and guttering PVCu	Approved	26th January 2016	
827	Slough Borough Council	Golf Driving Range, Galleymeade Road, Colnbrook, Slough, Berkshire, SL3 0NT	P/10423/003	Lawful development certificate for use of building as office (class B1(A)) and remainder of site as use for car parking (class sui generis).	Approved	28th October 2016	
828	Slough Borough Council	Unit 3, Colndale Road, Colnbrook, Slough, Berks., SL3 0HQ	P/13985/004	Change of use of part of first floor office space to minicab office (Sui Generis)	Approved	22nd April 2016	
829	Slough Borough Council	Orchard Surgery, 11 Wheelwrights Place, High Street, Colnbrook, Slough, SL3 0JX	P/16466/000	Application for change of use from current D1 use (surgery) to C3 (residential)	Approved	19th April 2016	
830	Slough Borough Council	5, Meadowbrook Close, Poyle, Slough, SL3 0PA	P/16471/000	Construction of a double storey side extension following demolition of existing garage	Approved	7th June 2016	
831	Slough Borough Council	31, Sutton Lane, Slough, SL3 8AB	P/01740/008	Construction of a first floor side extension	Approved	6th May 2016	
832	Slough Borough Council	The Ostrich Inn, High Street, Colnbrook, Slough, Berkshire, SL3 0JZ	P/12258/007	Application for Listed Building Consent for change of use and works to Grade II* Listed Building. Refurbishment and continued use of ground floor pub/restaurant. Change of use to first floor main building and west wing building for use as a hotel (11 rooms). Glazed lobby in underpass to the western side entrance, first floor window at the rear to serve proposed room 11. Provision of parking spaces, cycle spaces, and bins store to the rear	Approved	30th June 2016	
833	Slough Borough Council	61, Langley Road, Slough, SL3 7AH	P/07170/004	Demolition of existing single storey garage and family room and construction of two storey side and two storey rear extension.	Approved	29th June 2016	
834	Slough Borough Council	498, London Road, Slough, SL3 8QX	P/12270/002	Lawful development certificate for a proposed detached rear outbuilding	Approved	19th September 2016	
835	Slough Borough Council	9, Sutton Place, Slough, SL3 8AA	P/16472/001	Conversion of garage into habitable room	Approved	12th July 2016	



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
836	Slough Borough Council	Unit B2x Skyway, 14, Calder Way, Poyle, Slough, SL3 0BQ	P/09776/001	Installation of 6no air conditioning units at first floor level to the southern side elevation	Approved	25th August 2016	
837	Slough Borough Council	Colnbrook CE Primary School, High Street, Colnbrook, Slough, SL3 0JZ	P/11371/006	Construction of an outdoor play structure in the form of an Adobe Dome and Amphitheatre	Approved	21st October 2016	
838	Slough Borough Council	Unit 1, Galleymead Road, Colnbrook, Slough, SL3 0EN	P/11584/002	Change of use from B8 (Storage and Distribution) to B2 (General Industrial)	Approved	27th October 2016	
839	Slough Borough Council		P/10777/007	Installation of two silos and one goods lift to the front of the building	Approved	23rd January 2018	
840	Slough Borough Council	DHL Flight Assembly Centre, Lakeside Industrial Estate, Lakeside Road, Colnbrook, SL3 0ED	P/16241/002	Construction of a storage unit	Approved	3rd November 2016	
841	Slough Borough Council	16, Dart Close, Slough, SL3 8UY	P/16768/000	Lawful development certificate for a proposed loft conversion with rear dormer and two front facing roof lights	Approved	21st November 2016	
842	Slough Borough Council	Ye Olde George Inn, 146, High Street, Colnbrook, SL3 0LX	P/09960/013	Installation of 1no. illuminated fascia sign, 1no. directional sign, 2no. A2 poster cases and 1no. additional sign below existing swing sign	Approved	23rd January 2017	
843	Slough Borough Council	70, Tweed Road, Slough, SL3 8XA	Y/13209/002	The erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 6m, with a maximum height of 2.876m, and an eaves height of 2.450m	Prior approval not required	24th January 2017	
844	Slough Borough Council		P/13209/003	Lawful development certificate for a proposed rear dormer	Approved	31st January 2017	
845	Slough Borough Council	Unit 1, Lakeside Industrial Estate, Colnbrook, SL3 0ED	P/11457/004	Installation of 2no. non illuminated branding signs	Approved	29th March 2017	
846	Slough Borough Council	29, Crown Meadow, Colnbrook, Slough, SL3 0LJ	P/15181/001	Construction of a double storey side & first floor rear extension. Replacement of existing front extension	Approved	20nd April 2017	
847	Slough Borough Council	2, Daventry Close, Colnbrook, Slough, SL3 0PW	P/16905/000	Construction of a two storey rear extension and convert into 1 x two bed and 1 x three bedroom dwellings	Approved	25th May 2017	
848	Slough Borough Council	Land At Iver South Sewage Treatment Works, Slough, Berkshire	P/11845/003	Installation of 2 portacabins and 6 units to be used for office space, welfare accommodation and storage	Approved	21st July 2017	
849	Slough Borough Council	7, Springfield Road, Slough, SL3 8QJ	P/01995/005	Lawful development certificate for a proposed single storey rear extension	Approved	10th May 2017	
850	Slough Borough Council	Mill House, Millbrook, Mathisen Way, Colnbrook, Slough, SL3 0HB	P/09979/006	Installation of 4no. flood lights to be installed on the North elevation (retrospective).	Approved	24th November 2017	
851	Slough Borough Council	5 & 6, Sutton Place, Slough, SL3 8AA	P/17033/000	Construction of a front porch on nos 5 & 6 Sutton Place	Approved	16th August 2017	



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852	Slough Borough Council	Crossflight, Crossflight House, Skyway, 14, Calder Way, Colnbrook, Berkshire, SL3 0BQ	P/17084/000	Installation of a new condenser unit (Retrospective)	Approved	21st September 2017	
853	Slough Borough Council	Saints Transport Ltd, Unit 14, Halo House, Galleymead Road, Colnbrook, Slough, SL3 0EN	P/12982/008	Application for express consent for 2 no. LED advertising displays each measuring 18m wide x 4.6m high	Pending consideration	NA	
854	Slough Borough Council	47, Severn Crescent, Slough, SL3 8UU	P/17160/000	Construction of a part one, part two storey side extension and part one, part two storey rear extension	Approved	29th November 2017	
855	Slough Borough Council	Star & Garter, Park Street, Colnbrook, Slough, SL3 0JF	P/14825/008 and Listed building consent application P/14825/009	Conversion of vacant public house to form a Large HMO (sui generis Use Class) comprising communal areas at ground floor and 5no. double bedrooms on the upper floors. Demolition of building (The Smithy) and construction detached building comprising a café at ground floor (A3 Use Class); and 6no. residential flats (C3 Use Class) within the first floor and roof void (4no. 2 bed; 2no. 1 bed). Associated car parking and landscaping. and redevelopment of land and buildings to the west to provide a mixed-use development comprising a coffee shop at ground floor and 6no. apartments above	Pending consideration	NA	
856	Slough Borough Council	Unit 1, Rear Of, Viscount Industrial Estate, Poyle Road, Colnbrook, Slough, Berkshire, SL3 0DF	P/12065/004	Construction of a two storey detached warehouse with office space	Approved	29th January 2018	
857	Slough Borough Council	Poyle Quarry, Poyle Road, Colnbrook, Slough, Berkshire	P/10012/008	Retention of existing plant to be used for the processing of sand and gravel ext	Pending consideration	NA	
858	Slough Borough Council	76, Severn Crescent, Slough, SL3 8UX	P/07151/005	Alterations to existing single storey rear extension	Approved	23rd January 2018	
859	London Borough of Hounslow	20 GREEN MAN LANE FELTHAM LONDON TW14 0QB	P/2013/0883	Erection of a single storey rear extension to the house	Approved	10/05/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0883
860	London Borough of Hounslow	TESCO STORES LTD DUKES GREEN AVENUE FELTHAM LONDON TW14 0LT	P/2013/0919	Erection of a single storey side extension and canopy to the premises and a separate customer collection pod within the car park.	Approved	03/06/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0919
861	London Borough of Hounslow	TESCO STORES LTD DUKES GREEN AVENUE FELTHAM LONDON TW14 0LT	P/2013/1419	Erection of advertisements to the Click and Collect Pod and directional signs within the car park	Approved	03/06/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1419
862	London Borough of Hounslow	TYBURN HOUSE DICK TURPIN WAY FELTHAM LONDON TW14 0PS	P/2013/2170	Variation of Condition 1 of permission 01380/A/P6 to allow the temporary building to remain in place until 5 January 2017.	Approved	21/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2170

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
863	London Borough of Hounslow	20 Green Man Lane Feltham London TW14 0QB	P/2013/2200	Certificate of lawfulness for the proposed erection of a single storey outbuilding in the rear garden	Lawful	03/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2200
864	London Borough of Hounslow	SOUTHERN APPROACH ARMADALE ROAD FELTHAM LONDON	P/2013/2610	Installation of one non-illuminated 4.6m high free standing totem estate sign adjacent to the estate entrance to Heron Way and installation of 4 illuminated fascia signs (3.9m x 1.55m) to unit 2 to the existing building	Approved	23/05/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2610
865	London Borough of Hounslow	TRIMEX UK LTD RAEFORD HOUSE PIER ROAD FELTHAM LONDON TW14 0TW	P/2013/2972	Erection of a two storey rear and part side extension	Approved	07/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2972
866	London Borough of Hounslow	Heathrow South Cargo Centre GIRLING WAY FELTHAM LONDON TW14 0PH	P/2013/3456	Alterations to existing building elevations, service yard and parking area.	Approved	26/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3456
867	London Borough of Hounslow	HATTON CEMETERY FAGGS ROAD FELTHAM LONDON TW14 0LZ	SC/2013/3702	Extension of the existing cemetery for the purposes of interment to the south of the existing cemetery.	In progress	08/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=SC/2013/3702
868	London Borough of Hounslow	UNITS 1-5 PIER ROAD FELTHAM LONDON TW14 0TW	P/2013/3768	Re-cladding and alterations to the external elevations of units 1-5 Pier Road, internal reconfiguration of the units to form two flexible light industrial (Use Class B1c), general industrial (Use Class B2) and/or storage or distribution (Use Class B8) units.	Approved	25/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3768
869	London Borough of Hounslow	THE LODGE FAGGS ROAD FELTHAM LONDON TW14 0LZ	P/2013/4250	Erection of a part two storey part single storey side extension.	Approved	23/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4250
870	London Borough of Hounslow	142 FAGGS ROAD FELTHAM LONDON TW14 0NB	PA/2013/4392	Ground floor rear extension 5 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves.	Prior approval not required	22/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/4392
871	London Borough of Hounslow	UNIT 4 RADIUS PARK FAGGS ROAD FELTHAM LONDON TW14 0NG	P/2013/4440	Re-cladding and other external works to all elevations of Unit 4	Approved	29/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4440
872	London Borough of Hounslow	RADIUS PARK FAGGS ROAD FELTHAM LONDON TW14 0NG	P/2013/4441	Erection of two 3.0m illuminated entrance signs displaying estate name and eleven 1.8m illuminated tenant standalone signs, displaying individual tenant names outside each unit building.	Approved	29/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4441
873	London Borough of Hounslow	50 FAGGS ROAD FELTHAM LONDON TW14 0LG	PA/2013/4426	Ground floor rear extension 6 metres deep, maximum height of 3.8 metres, 2.4 metres high to the eaves	Prior approval not required	14/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/4426
874	London Borough of Hounslow	20 GREEN MAN LANE FELTHAM LONDON TW14 0QB	P/2013/4483	Certificate of Lawfulness for the existing rear and part side roof extension and single storey side extension	Lawful	16/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4483
875	London Borough of Hounslow	UNIT 9 RADIUS PARK FAGGS ROAD FELTHAM LONDON TW14 0NG	P/2014/0513	Erection of a single storey plant building for the production of dry ice	Approved	16/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0513
876	London Borough of Hounslow	THE LODGE FAGGS ROAD FELTHAM LONDON TW14 0LZ	P/2014/0608	Certificate of lawfulness for the erection of two storey rear extension.	Approved	31/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0608

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
877	London Borough of Hounslow	NEXUS CLOSE NORTH FELTHAM TRADING ESTATE CENTRAL WAY FELTHAM LONDON TW14 0AF	P/2014/1329	Installation and display of six fascia signs.	Approved	30/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1329
878	London Borough of Hounslow	UNIT 8 RADIUS PARK FAGGS ROAD FELTHAM LONDON TW14 0NJ	P/2014/1855	Erection of a new entrance canopy, first floor glazing and masonry above the entrance to be modified and replaced with a glazing band and reclading of fascia in grey metal. Two new loading bay doors created either side of the existing loading bays and the erection of a metal-clad cantilevered canopy above the loading doors. A 2.4m high weld mesh fence is proposed around the perimeter of the loading area. This will include a pedestrian gate, two swing gates and a new cantilever sliding gate	Approved	07/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1855
879	London Borough of Hounslow	UNITS 1-5 PIER ROAD FELTHAM LONDON TW14 0TW	P/2014/1965	Details submitted pursuant to conditions 3, (electric car charging points) and 4(cycle parking) of planning permission 01271/I/P1 dated 25/2/2014 for the re-cladding and alterations to the external elevations of units 1-5 Pier Road, internal reconfiguration of the units to form two flexible light industrial (Use Class B1c), general industrial (Use Class B2) and/or storage or distribution (Use Class B8) units.	Approved	30/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1965
880	London Borough of Hounslow	1 GIRLING WAY FELTHAM LONDON TW14 0PH	P/2014/2246	Creation of additional floorspace at mezzanine level, insertion of additional windows at ground floor and relocation and insertion of doors for personnel	Approved	11/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2246
881	London Borough of Hounslow	20 GREEN MAN LANE FELTHAM LONDON TW14 0QB	PA/2014/2445	Ground floor rear extension 6 metres deep, maximum height of 2.9 metres, 2.5 metres high to the eaves	Appeal granted	04/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2445
882	London Borough of Hounslow	UNIT 6 MERCURY CENTRE CENTRAL WAY FELTHAM LONDON TW14 0RN	P/2014/3203	Change of use from B8 (Storage or distribution) to B2 (General Industrial)	Approved	29/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3203
883	London Borough of Hounslow	TESCO STORES LTD DUKES GREEN AVENUE FELTHAM LONDON TW14 0LT	P/2014/3274	Enlargement of existing Dot Com service yard	Approved	02/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3274
884	London Borough of Hounslow	UNITS 1 2 AND 3 RADIUS PARK FAGGS ROAD FELTHAM LONDON TW14 0NG	P/2014/3285	Extension to existing secure storage logistics warehouse facility to form heavy goods vehicle loading bay. Three new loading doors to the side of Unit 2. Modification to the on site road layout with adjustments to gates, fences and barrier locations. Re-location of the unit 1 air conditioning units	Approved	03/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3285
885	London Borough of Hounslow	FALCON HOUSE OFFICE S1A 2nd FLOOR CENTRAL WAY FELTHAM LONDON TW14 0RX	P/2015/1384	Certificate of lawfulness to operate a chauffeur business with no visiting drivers or customers	Lawful	27/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1384
886	London Borough of Hounslow	16 GREEN MAN LANE FELTHAM LONDON TW14 0QB	PA/2015/2480	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.65 metres high to the eaves	Prior approval not required	16/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2480

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
887	London Borough of Hounslow	16 GREEN MAN LANE FELTHAM LONDON TW14 0QB	P/2015/2493	Certificate of lawfulness for the erection of a rear roof extension with front roof windows to the house.	Approved	16/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2493
888	London Borough of Hounslow	140 FAGGS ROAD FELTHAM LONDON TW14 0NB	PA/2015/2504	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval not required	20/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2504
889	London Borough of Hounslow	UNIT 1 SUNLIFE TRADING ESTATE GIRLING WAY FELTHAM LONDON TW14 0PH	P/2015/2522	Installation of 4 non-illuminated fascia signs	Approved	16/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2522
890	London Borough of Hounslow	GREEN MAN GREEN MAN LANE FELTHAM LONDON TW14 0PZ	P/2015/3988	Installation of new signage to public house	Approved	03/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3988
891	London Borough of Hounslow	600 CENTRAL WAY FELTHAM LONDON TW14 0RX	P/2015/4196	Installation of four non-illuminated panel signs	Approved	12/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4196
892	London Borough of Hounslow	101 FELTHAM FIRE STATION FAGGS ROAD FELTHAM LONDON TW14 0LZ	P/2015/4392	Replacement of front and rear appliance bay doors	Approved	30/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4392
893	London Borough of Hounslow	UNIT 1 SPACE WAY INDUSTRIAL ESTATE PIER ROAD FELTHAM LONDON TW14 0TW	SC/2015/4722	Screening opinion regarding the need for an environmental impact assessment (EIA) in relation to a reconfiguration of the existing Space Way recycling centre, a civic amenity site.	In progress	20/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=SC/2015/4722
894	London Borough of Hounslow	Tyburn House Dick Turpin Way Feltham London TW14 0PS	P/2015/5185	Erection of a new office and warehouse building following demolition of existing buildings	Approved	23/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5185
895	London Borough of Hounslow	Units 2-3 and 6-7 Space Way and 27 Central Way FELTHAM LONDON TW14 0TH	P/2015/5604	Prior notification of demolition of five existing buildings	Prior approval not required	19/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5604
896	London Borough of Hounslow	Units 2-3 and Units 6-7 Space Way and 27 CENTRAL WAY FELTHAM LONDON TW14 0TH	P/2016/0574	Erection of three buildings for flexible Use Class B1(c) (light industry), B2 (general industry) and/or B8 (storage or distribution) purposes with ancillary B1(a) (office) floor space; service yards; vehicle and cycle parking; alterations to vehicular accesses; landscaping; boundary treatment; external lighting; plant and associated engineering works.	Approved	19/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0574
897	London Borough of Hounslow	THE MISSION HALL STEAM FARM LANE FELTHAM TW14 0PW	P/2016/3535	Certificate of Lawfulness existing for use of land for car parking	Lawful	08/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3535
898	London Borough of Hounslow	THE LODGE FAGGS ROAD FELTHAM TW14 0LZ	P/2016/3615	Details of gas protection measures (condition 4) pursuant to planning permission 00428/G/P4 dated 13/01/2014 for erection of a part two storey part single storey side extension.	Approved	19/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3615

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
899	London Borough of Hounslow	SPACEWAY RECYCLING CENTRE HERON WAY FELTHAM TW14 0TH	P/2016/3827	Proposed operational developments associated with the existing use of the land at Space Waye, including temporary change of operational hours of the site to exclusive use by the local authority and trade Monday to Friday (0800 to 1600) and exclusive use by the public Saturday and Sunday only (0800 to 1800) for a period of eighteen (18) months from the date of consent, together with demolition of kerbs, relocation of one (1x) existing flood light column, over (1x) CCTV column and one(1x) bollard, and the installation of precast concrete partition walls for recycling bays up to a maximum height of 4m	Approved	14/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3827
900	London Borough of Hounslow	12 FAGGS ROAD FELTHAM TW14 0LG	PA/2016/4249	Ground floor rear extension 6 metres deep, maximum height of 3.527 metres, 2.500 metres high to the eaves	Prior approval not required	21/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4249
901	London Borough of Hounslow	BLENHEIM FAGGS ROAD FELTHAM TW14 0PT	P/2016/4821	Retrospective application for erection of a detached two storey house with a swimming pool and a single storey outbuilding and a shed at the rear of the house	Approved	02/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4821
902	London Borough of Hounslow	606 CENTRAL WAY FELTHAM TW14 0RX	P/2017/0550	Change of use of existing building on the site from B8 (storage and distribution) to alternative B1 (c) (light industrial) / B2 (general industrial) / B8 (storage and distribution) use	Approved	10/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0550
903	London Borough of Hounslow	606 CENTRAL WAY FELTHAM TW14 0RX	P/2017/1403	Prior approval for the installation of 177kwp Solar Photovoltaics (PV) equipment across the roof top of the building	Prior approval not required	16/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1403
904	London Borough of Hounslow	UNIT 2 TO 4 GIRLING WAY FELTHAM TW14 0PH	P/2016/5371	Creation of new access off Girling Way to serve the existing industrial unit	Approved	22/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5371
905	London Borough of Hounslow	UNIT 1 PIER ROAD FELTHAM TW14 0TW	P/2016/5633	Installation of six external air conditioning units to the unit	Approved	04/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5633
906	London Borough of Hounslow	UNIT 1 PIER ROAD FELTHAM TW14 0TW	P/2016/5633	Installation of six external air conditioning units to the unit	Approved	04/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5633
907	London Borough of Hounslow	RAEFORD HOUSE PIER ROAD FELTHAM TW14 0TW	P/2017/0417	Erection of a two storey rear and part side extension to the warehouse	Approved	30/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0417
908	London Borough of Hounslow	UNIT 5 MARLIN PARK CENTRAL WAY FELTHAM TW14 0AN	P/2017/0560	Installation of windows to south east elevation and installation of 140 photovoltaic solar panels on rooftop of the building.	Approved	02/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0560
909	London Borough of Hounslow	UNIT 1 PIER ROAD FELTHAM LONDON TW14 0TW	P/2017/0691	Installation of 1 non illuminated fascia sign and 1 non illuminated sign	Approved	20/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0691
910	London Borough of Hounslow	UNIT 2 GIRLING WAY FELTHAM TW14 0PH	P/2017/0973	Formation of an external terrace at second floor level over existing two storey front extension including erection of new entrance porch and stairwell to provide access	Approved	09/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0973

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
911	London Borough of Hounslow	UNIT 2 GIRLING WAY FELTHAM TW14 0PH	P/2017/1221	on of a two storey front extension to the entrance lobby and changes to the front windows on the second floor of an industrial building	Approved	17/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1221
912	London Borough of Hounslow	LAND ADJACENT TO THE LODGE HATTON NURSERY FAGGS ROAD FELTHAM TW14 0LZ	P/2017/2094	The proposed installation comprises a 15m Street Works pole with 3 shrouded antenna at the top and 3 ground based cabinets, plus ancillary equipment	Approved	11/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2094
913	London Borough of Hounslow	Units 2-3 and Units 6-7 Space Way and 27 CENTRAL WAY FELTHAM TW14 0TH	P/2017/3547	Variation of condition 2 (approved plans) to install two additional louvres and reposition one louvre to Unit A, omit one louvre on Unit B and install two additional louvres to Unit C of planning permission 01378/B/P1 approved 19/05/2016 for the erection of three buildings for flexible Use Class B1(c) (light industry), B2 (general industry) and/or B8 (storage or distribution) purposes with ancillary B1(a) (office) floor space; service yards; vehicle and cycle parking; alterations to vehicular accesses; landscaping; boundary treatment; external lighting; plant and associated engineering works.	Approved	05/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3547
914	London Borough of Hounslow	DICK TURPIN WAY FELTHAM TW14 0PS	P/2017/3933	Variation of condition 3 (approved plans) to vary the elevational details, site layout and access of planning permission 01380/C/P4 dated 18 November 2011 for demolition of the existing building and the erection of a six storey hotel comprising of 583 bedrooms; including 131 car parking spaces, creation of a new vehicular access from Fagg's Road, alterations to existing vehicular access from Dick Turpin's Way; installation of water storage tanks, plant room structures, hard landscaping and associated works; also use of the associated small site for coach parking (as amended by the Section 73 applications 01380/C/P5 and 01380/C/P6 dated 11 November 2014 and 24 August 2017). (Amended site plan and description).	In progress	13/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3933
915	London Borough of Hounslow	UNIT A SPACE WAYE FELTHAM TW14 0TH	P/2017/4162	Installation of sprinkler tank and pump house with associated bases.	Approved	28/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4162
916	London Borough of Hounslow	UNIT 2 GIRLING WAY FELTHAM TW14 0PH	P/2017/5016	ariation of condition 2 (approved plans) to allow amendments to the entrance lobby and show the approved terrace of planning permission 01390/2/P7 approved 17/05/2017 for the Erection of a two storey front extension to the entrance lobby and changes to the front windows on the second floor of an industrial building	Approved	24/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5016
917	London Borough of Hounslow	UNIT B SPACE WAYE FELTHAM TW14 0TW	P/2017/5078	Installation of one non-illuminated fascia sign	Approved	02/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5078
918	London Borough of Hounslow	30 RICHMOND AVENUE FELTHAM LONDON TW14 9SQ	P/2012/3556	Conversion of existing property into 1x 3 bedroom residential unit and 1x one bedroom self contained unit	Approved	27/02/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2012/3556



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
919	London Borough of Hounslow	21 BEECH ROAD FELTHAM LONDON TW14 8AH	P/2013/0098	Erection of a new two-storey detached dwelling to incorporate two side roof solar panels and a cycle store.	Approved	05/03/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0098
920	London Borough of Hounslow	21 WEST VIEW FELTHAM LONDON TW14 8PP	P/2013/0124	Certificate of Lawfulness for the existing ancillary single storey detached outbuilding to rear of existing dwelling	Approved	07/03/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0124
921	London Borough of Hounslow	15 Unwin Avenue Feltham London TW14 9RG	P/2013/0173	Certificate of Lawfulness for the proposed erection of an outbuilding at the rear of the property	Approved	07/03/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0173
922	London Borough of Hounslow	2 NEW SQUARE FELTHAM LONDON TW14 8HB	P/2013/0183	Erection of front, rear and corner extensions, infilling of part of the existing central atrium and enlargement of the existing basement incorporating installation of new corner staircases on all floors, erection of a new canopy, side service doors, new satellite parking area, erection of new combined refuse and cycle store and associated landscaping.	Approved	04/04/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0183
923	London Borough of Hounslow	CLOCKHOUSE ROUNDABOUT GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW14 8RY	P/2013/0227	Installation of 5 non-illuminated sponsorship signs around the existing roundabout	Appeal granted	21/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0227
924	London Borough of Hounslow	12 RICHMOND AVENUE FELTHAM LONDON TW14 9SQ	P/2013/0284	Erection of a two storey side extension to the house.	Approved	27/03/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0284
925	London Borough of Hounslow	31 ORCHARD AVENUE FELTHAM LONDON TW14 9RD	P/2013/0320	Certificate of lawfulness for the proposed erection of a hip to gable rear roof extension at the property	Approved	07/03/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0320
926	London Borough of Hounslow	34 Benedict Drive Feltham London TW14 8JL	P/2013/0508	Erection of a single storey outbuilding with a front roof window to the rear garden of the existing dwelling.	Approved	11/04/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0508
927	London Borough of Hounslow	35 NEW ROAD BEDFONT LONDON TW14 8HW	P/2013/0612	Erection of a single storey rear extension at the property	Approved	19/04/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0612
928	London Borough of Hounslow	HOMERS FARM LONDON ROAD (A30) STAINES	C/2013/0659	Extraction of sand and gravel from land at Homers Farm together with associated wheelwash, site office, cabin for generator and car parking, provision of new access from Short Lane, restoration involving the importation of inert restoration materials to agriculture, on a site of 10.5 hectares.	No objection	29/04/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=C/2013/0659
929	London Borough of Hounslow	FAIRHOLME PRIMARY SCHOOL PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2013/0735	Removal of two mobile classrooms, erection of two single storey rear extensions and expansion of school by one form of entry to three forms of entry, reconfiguration of car parking layout	Approved	14/06/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0735
930	London Borough of Hounslow	359 HATTON ROAD FELTHAM LONDON TW14 9QS	P/2013/0942	Retrospective application for vehicle access and associated hardstanding to the front of the property	Appeal granted	13/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0942
931	London Borough of Hounslow	MAYFIELD FARM STAINES ROAD FELTHAM LONDON TW14 8RU	P/2013/1069	Swap out the existing antennas	Approved	29/04/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1069



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
932	London Borough of Hounslow	32 RICHMOND AVENUE FELTHAM LONDON TW14 9SQ	P/2013/1225	Erection of single storey rear extension and conversion of existing property into one three-bedroom and one one-bedroom house.	Approved	03/06/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1225
933	London Borough of Hounslow	8 IMPERIAL ROAD FELTHAM LONDON TW14 8AG	P/2013/1327	Certificate of Lawfulness for the proposed erection of a single storey outbuilding in the rear garden	Approved	06/06/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1327
934	London Borough of Hounslow	57 NEW ROAD BEDFONT LONDON TW14 8HR	P/2013/1440	Erection of a single storey rear infill extension	Approved	09/07/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1440
935	London Borough of Hounslow	349 HATTON ROAD FELTHAM LONDON TW14 9QS	P/2013/1478	Formation of a vehicular crossover to the front of the house	Approved	16/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1478
936	London Borough of Hounslow	537 Staines Road Feltham London TW14 8BP	P/2013/1365	Erection of a three storey building comprising retail floorspace on ground floor and two flats at first and second floor levels	Approved	02/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1365
937	London Borough of Hounslow	481-483 STAINES ROAD FELTHAM LONDON TW14 8BL	P/2013/1503	Erection of two storey side and rear extension with one front and one rear roof extension to create two one bedroom and two two bedroom flats with associated parking, amenity space and vehicular access	Approved	03/07/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1503
938	London Borough of Hounslow	MARJORY KINNON SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2013/1612	Installation of a two temporary buildings containing classrooms and offices and installation of new hardstanding	Approved	20/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1612
939	London Borough of Hounslow	353 HATTON ROAD FELTHAM LONDON TW14 9QS	P/2013/1492	Creation of a vehicle access to the front of the property	Approved	13/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1492
940	London Borough of Hounslow	47 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	P/2013/1672	Erection of a two storey side extension	Approved	25/07/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1672
941	London Borough of Hounslow	51-51A IMPERIAL ROAD FELTHAM LONDON TW14 8AE	P/2013/1834	Erection of two single storey rear extensions to 51 and 51a Imperial Road and first floor side/rear extension to 51a Imperial Road.	Approved	16/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1834
942	London Borough of Hounslow	112 THE GARDENS FELTHAM LONDON TW14 9PW	P/2013/1792	Certificate of Lawfulness for the existing single storey gym/outbuilding in the rear end of the garden to the house	Approved	30/07/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1792
943	London Borough of Hounslow	176 HATTON ROAD FELTHAM LONDON TW14 9PY	P/2013/1226	Creation of vehicular access to the front of the property	Appeal granted	21/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1226
944	London Borough of Hounslow	388-394 STAINES ROAD FELTHAM LONDON TW14 8BT	P/2013/2118 0	Change of use of the existing A1 retail unit to a mixed class A1 retail / A3 coffee shop incorporating the installation of a new shop front	Approved	30/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2118
945	London Borough of Hounslow	14 BEDFONT GREEN CLOSE EAST BEDFONT FELTHAM LONDON TW14 8EG	P/2013/2362	Certificate of lawfulness for the erection of a rear roof extension incorporating a hip to gable conversion to the house.	IAwful	30/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2362
946	London Borough of Hounslow	18 IMPERIAL ROAD FELTHAM LONDON TW14 8AG	P/2013/2588	Erection of a part two storey part single storey rear infill extension to the house and the erection of a detached two-storey three-bedroom house on the adjoining land with associated vehicle access, amenity space, bin storage and off-street parking	Approved	25/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2588

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
947	London Borough of Hounslow	65 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	P/2013/2572	Certificate of Lawfulness for the proposed erection of a single storey outbuilding	Lawful	12/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2572
948	London Borough of Hounslow	9 NEW SQUARE FELTHAM LONDON TW14 8HA	P/2013/2550	Erection of a single storey nursery building with associated landscape works and amendment to car parking area to create in-line drop off bays	approved	11/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2550
949	London Borough of Hounslow	73 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	PA/2013/2675	Ground floor rear extension 5.8 metres deep, maximum height of 2.95 metres, 2.95 metres high to the eaves	Prior approval not required	30/08/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/2675
950	London Borough of Hounslow	3 DORCHESTER DRIVE FELTHAM LONDON TW14 8HP	PA/2013/2691	Ground floor rear extension 5 metres deep, maximum height of 4 metres, 2.8 metres high to the eaves	prior approval not required	06/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/2691
951	London Borough of Hounslow	22 IVERNA GARDENS FELTHAM LONDON TW14 9RQ	P/2013/2701	Erection of a single storey side and rear extension to the house	Approved	24/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2701
952	London Borough of Hounslow	20 WEST VIEW FELTHAM LONDON TW14 8PP	PA/2013/2722	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval not required	06/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/2722
953	London Borough of Hounslow	11 NEW SQUARE FELTHAM LONDON TW14 8HA	P/2013/2759	Erection of a substation, a chiller compound to accommodate 3 chillers and 2 pumps with associated infrastructure, relocation of existing compactor and other works	Approved	25/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2759
954	London Borough of Hounslow	23 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	PA/2013/3424	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.7 metres high to the eaves	Prior approval not required	01/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/3424
955	London Borough of Hounslow	23 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	P/2013/2776	Certificate of Lawfulness for the proposed erection of single storey side extension and front entrance porch to the house.	Lawful	17/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2776
956	London Borough of Hounslow	177 HATTON ROAD FELTHAM LONDON TW14 9PR	P/2013/2823	Certificate of Lawfulness for the proposed erection of a single storey rear extension	Lawful	17/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2823
957	London Borough of Hounslow	5 RICHMOND AVENUE FELTHAM LONDON TW14 9SG	P/2013/3008	Erection of a part rear first floor extension to the house.	Approved	22/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3008
958	London Borough of Hounslow	313 HATTON ROAD FELTHAM LONDON TW14 9QS	PA/2013/3042	Ground floor rear extension 4.32 metres deep, maximum height of 2.9 metres, 2.54 metres high to the eaves	Prior approval not required	01/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/3042
959	London Borough of Hounslow	79 SOUTHVILLE ROAD FELTHAM LONDON TW14 8AP	P/2013/3078	Certificate of Lawfulness for the erection of a single storey rear extension and a rear roof extension incorporating a hip to gable conversion and front roof windows to house.	Approved	03/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3078
960	London Borough of Hounslow	127 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SP	PA/2013/3133	Ground floor rear extension 4 metres deep, maximum height of 3.05 metres, 3.05 metres high to the eaves	Prior approval not required	09/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/3133
961	London Borough of Hounslow	6 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	P/2013/3142	Certificate of Lawfulness for the erection of a rear roof extension with a hip to gable conversion and front roof windows to the house.	Lawful	12/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3142



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
962	London Borough of Hounslow	347 HATTON ROAD FELTHAM LONDON TW14 9QS	P/2013/3137	Formation of vehicle hardstanding and access	Approved	05/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3137
963	London Borough of Hounslow	5 BENEDICT DRIVE FELTHAM LONDON TW14 8JH	PA/2013/3176	Ground floor rear extension 4 metres deep, maximum height of 3.85 metres, 2.8 metres high to the eaves	Prior approval not required	17/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/3176
964	London Borough of Hounslow	1 WEST ROAD FELTHAM LONDON TW14 8JG	PA/2013/3243	Ground floor rear extension 5.8 metres deep, maximum height of 2.95 metres, 2.95 metres high to the eaves	Prior approval not required	15/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/3243
965	London Borough of Hounslow	8 GROVESTILE WAYE FELTHAM LONDON TW14 8EX	P/2013/3276	Creation of vehicle access to the house.	Approved	13/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3276
966	London Borough of Hounslow	7 BENEDICT DRIVE FELTHAM LONDON TW14 8JH	P/2013/3308	Erection of a detached outbuilding.	Approved	05/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3308
967	London Borough of Hounslow	1 WEST ROAD FELTHAM LONDON TW14 8JG	P/2013/3338	Certificate of lawfulness for a hip to gable and rear roof extension with 2 roof windows to the front	Approved	07/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3338
968	London Borough of Hounslow	143 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SR	P/2013/3385	Certificate of lawfulness for the erection of a hip to gable and rear roof extension with two roof windows on the front.	Lawful	27/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3385
969	London Borough of Hounslow	21 LONGFORD AVENUE FELTHAM LONDON TW14 9TQ	P/2013/3609	Erection of a single storey side and rear infill extension and new pitched roof	Approved	20/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3609
970	London Borough of Hounslow	43 ORCHARD AVENUE FELTHAM LONDON TW14 9RD	P/2013/3767	Certificate of Lawfulness for the proposed erection of a hip to gable rear roof extension	Approved	10/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3767
971	London Borough of Hounslow	43 ORCHARD AVENUE FELTHAM LONDON TW14 9RD	P/2013/3841	Erection of two storey side and single storey rear extensions and erection of an outbuilding	Approved	13/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3841
972	London Borough of Hounslow	172 HATTON ROAD FELTHAM LONDON TW14 9PY	P/2013/3840	Certificate of Lawfulness for the existing use of the property as two self contained flats.	Lawful	13/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3840
973	London Borough of Hounslow	30 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	P/2013/3983	Application for Lawful Development Certificate for conversion of detached double garage into an office to be used for business purposes by a resident of 30 Myrtle Avenue	Lawful	25/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3983
974	London Borough of Hounslow	2 NEW SQUARE FELTHAM LONDON TW14 8HB	P/2013/4028	Non material amendment sought for changes to the refuse/cycle store, reduction of the footpath and relocation of trees of planning permission 01636/2/P3 approved 04/04/2013 for the Erection of front, rear and corner extensions, infilling of part of the existing central atrium and enlargement of the existing basement incorporating installation of new corner staircases on all floors, erection of a new canopy, side service doors, new satellite parking area, erection of new combined refuse and cycle store and associated landscaping	Approved	13/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4028

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
975	London Borough of Hounslow	44 NEW ROAD BEDFONT LONDON TW14 8HN	P/2013/4083	Erection of a single storey rear extension	Approved	16/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4083
976	London Borough of Hounslow	66 KINGSTON AVENUE FELTHAM LONDON TW14 9SN	PA/2013/4288	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval not required	07/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/4288
977	London Borough of Hounslow	45 IMPERIAL ROAD FELTHAM LONDON TW14 8AF	P/2013/4410	Erection of a two storey side extension	Approved	04/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4410
978	London Borough of Hounslow	96 KINGSTON AVENUE FELTHAM LONDON TW14 9SN	P/2013/4517	Erection of a first floor side extension to house.	Approved	05/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4517
979	London Borough of Hounslow	362 STAINES ROAD FELTHAM LONDON TW14 8DA	P/2013/4528	Creation of vehicular access to the house	Approved	14/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4528
980	London Borough of Hounslow	568 STAINES ROAD FELTHAM LONDON TW14 8PG	P/2013/4588	Erection of single storey side and rear extensions and a porch to the front of the property	Approved	06/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/4588
981	London Borough of Hounslow	101 BEDFONT CLOSE FELTHAM LONDON TW14 8LH	P/2014/0006	Certificate of Lawfulness for existing use of house as 4 self contained flats.	Approved	27/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0006
982	London Borough of Hounslow	474 STAINES ROAD FELTHAM LONDON TW14 8DH	P/2014/0082	Erection of a single storey rear extension and a rear roof extension to the house	Approved	07/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0082
983	London Borough of Hounslow	183 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SR	P/2014/0157	Erection of a single storey rear extension to the house.	Approved	12/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0157
984	London Borough of Hounslow	24 DUDLEY ROAD FELTHAM LONDON TW14 8EH	P/2014/0220	Erection of a single storey rear extension.	Approved	19/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0220
985	London Borough of Hounslow	102 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SW	P/2014/0278	Certificate of lawfulness for use as a chauffer booking office by a resident of the property with no visiting staff or customers.	Lawful	24/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0278
986	London Borough of Hounslow	66 KINGSTON AVENUE FELTHAM LONDON TW14 9SN	P/2014/0370	Certificate of Lawfulness for proposed single storey side and part rear extension to house	Lawful	31/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0370
987	London Borough of Hounslow	13 RICHMOND AVENUE FELTHAM LONDON TW14 9SG	PA/2014/0437	Ground floor rear extension 6 metres deep, maximum height of 3.4 metres, 2.6 metres high to the eaves	Prior approval not required	18/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/0437
988	London Borough of Hounslow	22 IVERNA GARDENS FELTHAM LONDON TW14 9RQ	P/2014/0496	Retention of outbuilding in rear garden with toilet and sink.	Approved	12/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0496
989	London Borough of Hounslow	366 STAINES ROAD FELTHAM LONDON TW14 8DA	P/2014/0511	Creation of vehicular access	Approved	27/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0511
990	London Borough of Hounslow	35 Richmond Avenue Feltham London TW14 9SG	PA/2014/0536	Ground floor rear extension 4.5 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior approval not required	26/03/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/0536

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
991	London Borough of Hounslow	183 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SR	PA/2014/0686	Ground floor rear extension 6 metres deep, maximum height of 2.9 metres, 2.9 metres high to the eaves	Prior approval not required	02/04/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/0686
992	London Borough of Hounslow	507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/0853	Alterations to front and side elevations including the installation of a new shop front	Approved	01/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0853
993	London Borough of Hounslow	507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/0841	Installation of 4 internally illuminated fascia signs, one illuminated hanging sign, 2 non illuminated banner signs, one non illuminated welcome sign and one illuminated gantry sign.	Approved	01/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0841
994	London Borough of Hounslow	507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/0839	Installation of plant equipment	Approved	01/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0839
995	London Borough of Hounslow	507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/0854	Installation of ATM	Approved	01/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0854
996	London Borough of Hounslow	507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/0836	Installation of 1 no. bollard	Approved	01/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0836
997	London Borough of Hounslow	OUTSIDE BEDFONT EVANGELICAL CHURCH STAINES ROAD FELTHAM LONDON TW14 8BT	P/2014/1039	To install electronic communications apparatus / development ancillary to radio equipment housing on behalf of Vodafone Limited	Approved	15/04/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1039
998	London Borough of Hounslow	26 HATTON ROAD FELTHAM LONDON TW14 8JQ	P/2014/1060	Erection of a single storey rear extension and two storey side extension to the property	Approved	08/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1060
999	London Borough of Hounslow	365 HATTON ROAD FELTHAM LONDON TW14 9QS	PA/2014/1083	Ground floor rear extension 4 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval not required	01/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1083
1000	London Borough of Hounslow	73 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	P/2014/1138	Erection of a two storey side and part two storey part single storey rear extension	Approved	30/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1138
1001	London Borough of Hounslow	5 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	P/2014/1128	Erection of two storey side extension to form new dwelling and a single storey rear extension to existing house.	Approved	30/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1128
1002	London Borough of Hounslow	48 MARRIOTT CLOSE FELTHAM LONDON TW14 9PZ	P/2014/1271	Erection of a single storey rear extension	Approved	24/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1271
1003	London Borough of Hounslow	47 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	PA/2014/1562	Ground floor rear extension 6 metres deep, 3 metres high to eaves with a maximum height of 3 metres	Prior approval not required	30/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1562
1004	London Borough of Hounslow	2 NEW SQUARE FELTHAM LONDON TW14 8HB	P/2014/1589	Non material amendment to planning permission 01636/2/P3 approved 04/04/2013 to allow for the relocation of the consented wildflower meadow from the S-W of the building to the S-E	Approved	14/05/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1589



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1005	London Borough of Hounslow	BEDFONT INFANT AND NURSERY SCHOOL 186 HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2014/1658	Erection of an outdoor play structure in the form of an Adobe Dome and Amphitheatre	Approved	31/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1658
1006	London Borough of Hounslow	UNIT B 507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/1687	Change of use from A1 (Retail) to A1(Retail) / A3 (Coffee shop)	Approved	26/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1687
1007	London Borough of Hounslow	FAIRHOLME PRIMARY SCHOOL PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2014/1715	Retention of existing mobile classroom	Approved	04/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1715
1008	London Borough of Hounslow	MAYFIELD FARM STAINES ROAD FELTHAM LONDON TW14 8RU	P/2014/1772	Installation of three replacement antennas and associated ancillary development	Approved	02/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1772
1009	London Borough of Hounslow	108 HATTON ROAD FELTHAM LONDON TW14 8JA	PA/2014/1782	Ground floor rear extension 6 metres deep, 2.7 metres high to eaves with a maximum height of 2.9 metres	Approved	05/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1782
1010	London Borough of Hounslow	35 THE GARDENS FELTHAM LONDON TW14 9PP	PA/2014/1826	Ground floor rear extension 3 metres deep, 2.4 metres high to eaves with a maximum height of 3 metres	Prior approval not required	10/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1826
1011	London Borough of Hounslow	1 WARFIELD ROAD FELTHAM LONDON TW14 8AD	P/2014/0453	Erection of a two storey rear infill extension and associated roof alterations	Approved	11/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0453
1012	London Borough of Hounslow	34 NEW ROAD BEDFONT LONDON TW14 8HN	P/2014/2020	Erection of a single storey side extension.	Approved	08/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2020
1013	London Borough of Hounslow	Bedfont Sports Club Bedfont Recreation Ground Hatton Road Feltham London TW14 9QT	P/2014/2113	Erection of a spectator viewing stand	Approved	12/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2113
1014	London Borough of Hounslow	12 LONGLEAT WAY FELTHAM LONDON TW14 8JW	P/2014/2206	Erection of a front porch and conversion of garage into habitable room.	Approved	15/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2206
1015	London Borough of Hounslow	28 BENEDICT DRIVE FELTHAM LONDON TW14 8JL	PA/2014/2266	Ground floor rear extension 6 metres deep, maximum height of 3.8 metres, 2.6 metres high to the eaves	Prior approval not required	14/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2266
1016	London Borough of Hounslow	2 NEW SQUARE FELTHAM LONDON TW14 8HB	P/2014/2296	Non material amendment to planning permission 01636/2/P3 approved 04/04/2013 to allow for the relocation of the consented wildflower meadow from the S-W of the building to the S-E	Approved	19/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2296
1017	London Borough of Hounslow	79 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	P/2014/2317	Erection of a single storey side infill extension	Approved	29/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2317
1018	London Borough of Hounslow	10 PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2014/2346	Erection of a part single storey, part two storey side and rear extension	Approved	26/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2346



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1019	London Borough of Hounslow	Roundabout Junction of Bedfont Road and Stanwell Road FELTHAM LONDON	P/2014/2470	Erection of five non-illuminated advertisement signs	Approved	21/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2470
1020	London Borough of Hounslow	23 TARGET CLOSE FELTHAM LONDON TW14 9TF	P/2014/2650	Erection of first floor side extension and part rear single storey extension to the house	Approved	22/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2650
1021	London Borough of Hounslow	308-310 STAINES ROAD FELTHAM LONDON TW14 9HD	P/2014/2667	Joint application for formation of a vehicular access to the front of the houses	Approved	16/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2667
1022	London Borough of Hounslow	308-310 STAINES ROAD FELTHAM LONDON TW14 9HD	P/2014/2667	Joint application for formation of a vehicular access to the front of the houses	Approved	16/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2667
1023	London Borough of Hounslow	35 SPINNEY DRIVE FELTHAM LONDON TW14 8PL	PA/2014/2690	Ground floor rear extension 6 metres deep, 3 metres high to eaves with a maximum height of 3 metres	Prior approval not required	12/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2690
1024	London Borough of Hounslow	13 WHITEBRIDGE CLOSE FELTHAM LONDON TW14 9HQ	P/2014/2720	Conversion of the existing garage to a bathroom for a disabled person and construction of an access ramp to the front of the house	Approved	28/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2720
1025	London Borough of Hounslow	1 New Square Bedfont Lakes Business Park Feltham London TW14 8HB	P/2014/2897	Installation of a new security pillar to existing main entrance	Approved	11/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2897
1026	London Borough of Hounslow	7 NEW SQUARE FELTHAM LONDON TW14 8HA	P/2014/2892	Replacement of the existing circular bi-parting entrance door arrangement with new 4 leaf revolving door, additional single leaf pass door and side screens and over panel	Approved	09/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2892
1027	London Borough of Hounslow	4 WEST ROAD FELTHAM LONDON TW14 8JE	P/2014/2915	Certificate of lawfulness for a proposed rear roof extension including hip to gable conversion and three roof windows to front elevation.	Approved	27/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2915
1028	London Borough of Hounslow	12 NATALIE CLOSE FELTHAM LONDON TW14 8PJ	P/2014/2928	Erection of a rear roof extension incorporating a front roof light to the front of the house	Approved	29/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2928
1029	London Borough of Hounslow	36 WEST VIEW FELTHAM LONDON TW14 8PR	PA/2014/2971	Ground floor rear extension 6 metres deep, maximum height of 3.613 metres, 2.5 metres high to the eaves	prior approval not required	26/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/2971
1030	London Borough of Hounslow	36 WEST VIEW FELTHAM LONDON TW14 8PR	P/2014/2961	Certificate of Lawfulness for erection of a single storey outbuilding at the rear garden	Approved	12/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2961
1031	London Borough of Hounslow	363 HATTON ROAD FELTHAM LONDON TW14 9QS	PA/2014/3005	Ground floor rear extension 4 metres deep, 2.85 metres high to eaves with a maximum height of 3 metres	Prior approval not required	20/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3005
1032	London Borough of Hounslow	26 EDWARD ROAD FELTHAM LONDON TW14 9RF	PA/2014/3158	Ground floor rear extension 4.572 metres deep, 2.95 metres high to eaves with a maximum height of 2.95 metres	Prior approval not required	29/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3158
1033	London Borough of Hounslow	UNIT A 507-511 STAINES ROAD FELTHAM LONDON TW14 8BN	P/2014/3209	Installation of non-illuminated fascia and projecting signs	Approved	29/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3209
1034	London Borough of Hounslow	11 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	P/2014/3236	Retrospective application for the erection of a single storey rear extension to the house	Appeal granted	13/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3236



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1035	London Borough of Hounslow	9 PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2014/3503	Erection of a detached garage	Approved	22/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3503
1036	London Borough of Hounslow	378 STAINES ROAD FELTHAM LONDON TW14 8BT	P/2014/3570	Certificate of Lawfulness to retain the existing use of the property as an office (B1 use)	Lawful	03/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3570
1037	London Borough of Hounslow	9 NEW SQUARE FELTHAM LONDON TW14 8HA	P/2014/3633	Non material amendment to include a boiler extract following approved planning application 01636/9/P6 for Erection of a single storey nursery building with associated landscape works and amendment to car parking area to create in-line drop off bays dated 11.10.13	Approved	18/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3633
1038	London Borough of Hounslow	48 MARRIOTT CLOSE FELTHAM LONDON TW14 9PZ	P/2014/3639	Erection of ground floor rear extension to the maisonette.	Approved	29/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3639
1039	London Borough of Hounslow	43 BENEDICT DRIVE FELTHAM LONDON TW14 8JH	P/2014/3740	Erection of a single storey rear extension to the house	Approved	29/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3740
1040	London Borough of Hounslow	14 WELWYN AVENUE FELTHAM LONDON TW14 9SJ	P/2014/3841	Erection of a part single storey side extension and insertion of door to the house	Approved	09/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3841
1041	London Borough of Hounslow	20 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	P/2014/3901	Erection of single storey rear extension to the house	Approved	31/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3901
1042	London Borough of Hounslow	317 BEDFONT LANE FELTHAM LONDON TW14 9SB	P/2014/3998	Formation of a vehicular access to the house	Approved	20/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3998
1043	London Borough of Hounslow	2 HAZELMERE CLOSE FELTHAM LONDON TW14 9PX	P/2014/4041	Certificate of lawfulness for the erection of a single storey side extension and a single storey rear extension to the house	Approved	24/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4041
1044	London Borough of Hounslow	2 HAZELMERE CLOSE FELTHAM LONDON TW14 9PX	P/2014/4039	Demolition of a detached garage and reconstruction of a single storey outbuilding as a detached garage to the side of the house	Approved	07/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4039
1045	London Borough of Hounslow	4 FAWNS MANOR ROAD FELTHAM LONDON TW14 8EL	PA/2014/4196	Ground floor rear extension 6 metres deep, maximum height of 3.5 metres, 3 metres high to the eaves	Appeal granted	10/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4196
1046	London Borough of Hounslow	9 WARFIELD ROAD FELTHAM LONDON TW14 8AD	PA/2014/4234	Ground floor rear extension 6 metres deep, maximum height of 2.6 metres, 2.6 metres high to the eaves	Prior approval not required	10/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4234
1047	London Borough of Hounslow	9-11 EDWARD ROAD FELTHAM LONDON TW14 9RF	P/2014/4236	Erection of a single storey detached outbuilding at the rear both houses	Approved	17/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4236
1048	London Borough of Hounslow	29 THE GARDENS FELTHAM LONDON TW14 9PP	P/2014/4437	Erection of a two storey side extension to the house.	Approved	10/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4437
1049	London Borough of Hounslow	26 HATTON ROAD FELTHAM LONDON TW14 8JQ	P/2014/4538	Erection of one three-bedroom house attached to No. 26 and a single storey rear extension to number 26 Hatton Road	Approved	09/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4538
1050	London Borough of Hounslow	OUTSIDE BEDFONT EVANGELICAL CHURCH STAINES ROAD FELTHAM LONDON TW14	P/2014/4619	Installation of two electronic communications apparatus on behalf of Telefonica UK Ltd and Vodafone Ltd	Approved	04/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4619



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1051	London Borough of Hounslow	66 THE GARDENS FELTHAM LONDON TW14 9PW	P/2014/4631	Erection of front and rear roof extensions, a single storey side and part rear extension, new front porch and a single storey detached outbuilding in rear garden for use as summer room	Approved	22/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4631
1052	London Borough of Hounslow	20 WELWYN AVENUE FELTHAM LONDON TW14 9SJ	P/2014/4736	Erection of a two storey side extension, a part single storey and part two storey rear extension and a front porch	Approved	13/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4736
1053	London Borough of Hounslow	BEDFONT SPORTS FOOTBALL CLUB HATTON ROAD FELTHAM LONDON TW14 9PR	P/2014/4764	Conversion of the grass football pitch to 3g Artificial Turf Pitch (ATP) with perimeter ball-stop fencing and associated works	Approved	26/02/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4764
1054	London Borough of Hounslow	41 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	PA/2014/4821	Ground floor rear extension 6 metres deep, maximum height of 3.66 metres, 3.0 metres high to the eaves	Prior approval not required	24/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4821
1055	London Borough of Hounslow	41 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	P/2014/4832	Certificate of Lawfulness for a single storey side, front and rear extensions and a rear roof extension with hip to gable conversion, 2 roof windows to front elevation.	Appeal part allowed part dismissed	09/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4832
1056	London Borough of Hounslow	42 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	PA/2014/4912	Ground floor rear extension 4.5 metres deep, maximum height of 2.95 metres, 2.8 metres high to the eaves	Prior approval not required	24/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4912
1057	London Borough of Hounslow	10 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	PA/2014/5004	Ground floor rear extension 6 metres deep, maximum height of 3.1 metres, 3 metres high to the eaves	prior approval not required	13/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/5004
1058	London Borough of Hounslow	41 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	P/2014/5060	Erection of a two storey side extension to the house	Approved	17/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5060
1059	London Borough of Hounslow	16 IVERNA GARDENS FELTHAM LONDON TW14 9RQ	P/2014/5086	Erection of a single storey side extension	Approved	08/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5086
1060	London Borough of Hounslow	24 GRAFTON COURT FELTHAM LONDON TW14 8SL	P/2014/5078	Replacement of six windows and one front door from wood to UPVC	Approved	18/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5078
1061	London Borough of Hounslow	47 Grovestile Way Feltham London TW14 8EZ	P/2014/5210	Erection of a single storey side extension to the house	Approved	19/02/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/5210
1062	London Borough of Hounslow	CORDWALLIS HEATHROW GREAT SOUTH WEST ROAD FELTHAM LONDON TW14 8ND	P/2015/0135	Certificate of lawfulness for installation of an MOT bay ancillary to the main use of the site as a light van and commercial dealership	Lawful	10/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0135
1063	London Borough of Hounslow	100 NEW ROAD BEDFONT LONDON TW14 8HT	PA/2015/0232	Ground floor rear extension 5.95 metres deep, 2.2 metres high to eaves with a maximum height of 2.325 metres	Prior approval not required	02/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0232
1064	London Borough of Hounslow	13 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	PA/2015/0455	Ground floor rear extension 6 metres deep, maximum height of 3.5 metres, 2.5 metres high to the eaves	Prior approval not required	13/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0455

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1065	London Borough of Hounslow	9 SPINNEY DRIVE FELTHAM LONDON TW14 8PL	PA/2015/0481	Ground floor rear extension 4 metres deep, 2.6 metres high to eaves with a maximum height of 3.7 metres	prior approval not required	16/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0481
1066	London Borough of Hounslow	9 KINGSTON AVENUE FELTHAM LONDON TW14 9SH	PA/2015/0524	Ground floor rear extension 4 metres deep, maximum height of 3 metres, 2.65 metres high to the eaves	Prior approval not required	18/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0524
1067	London Borough of Hounslow	21 ELMCROFT CLOSE FELTHAM LONDON TW14 9HH	P/2015/0592	Formation of a vehicular access and hardstanding	Approved	11/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0592
1068	London Borough of Hounslow	266 HATTON ROAD FELTHAM LONDON TW14 9QT	PA/2015/0634	Ground floor rear extension 8 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	prior approval not required	25/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0634
1069	London Borough of Hounslow	643-651 STAINES ROAD FELTHAM LONDON TW14 8PA	PA/2015/0748	Change of use of the existing premises from offices (B1 use) to provide 15 self contained residential flats (C3 use)	prior approval not required	16/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0748
1070	London Borough of Hounslow	36 RICHMOND AVENUE FELTHAM LONDON TW14 9SQ	P/2015/0752	Erection of a single storey side extension to the house	Approved	01/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0752
1071	London Borough of Hounslow	103 NEW ROAD BEDFONT LONDON TW14 8HU	P/2015/0791	Erection of a single storey rear extension to existing shop.	Approved	01/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0791
1072	London Borough of Hounslow	15 RICHMOND AVENUE FELTHAM LONDON TW14 9SG	P/2015/0861	Erection of an attached one bedroom two storey house with associated parking and amenity space.	Appeal granted	16/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0861
1073	London Borough of Hounslow	33 THE GARDENS FELTHAM LONDON TW14 9PP	P/2015/0956	Erection of a single storey side, rear and front extension (amended description).	Approved	13/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0956
1074	London Borough of Hounslow	30 DUDLEY ROAD FELTHAM LONDON TW14 8EH	P/2015/0978	Erection of a single storey side extension and a rear roof extension incorporating 4 front roof windows to the house	Approved	06/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0978
1075	London Borough of Hounslow	133 BEDFONT CLOSE FELTHAM LONDON TW14 8LH	PA/2015/0991	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior approval not required	16/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0991
1076	London Borough of Hounslow	CLOCKHOUSE SERVICE STATION CLOCKHOUSE LANE FELTHAM LONDON TW14 8RD	P/2015/1095	Installation of 4 No. externally illuminated hanging Wave signs, 1 No. externally illuminated Blade sign, 5 No. non-illuminated hanging Koala signs and 10 No. non-illuminated hanging Pump number signs	Approved	08/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1095
1077	London Borough of Hounslow	55 BEECH ROAD FELTHAM LONDON TW14 8AH	P/2015/1136	Certificate of Lawfulness for the erection of a side and rear roof extension and two front roof windows to the house	Approved	01/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1136
1078	London Borough of Hounslow	25 BEECH ROAD FELTHAM LONDON TW14 8AH	P/2015/1484	Erection of a two storey side extension to the house	Approved	19/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1484
1079	London Borough of Hounslow	100 NEW ROAD BEDFONT LONDON TW14 8HT	P/2015/1494	Certificate of Lawfulness for the erection of a single storey side extension to the house and alterations to front elevation.	Approved	27/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1494
1080	London Borough of Hounslow	183 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SR	P/2015/1493	Retrospective application for erection of a front porch and a single storey rear extension	Appeal part allowed part dismissed	18/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1493

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1081	London Borough of Hounslow	41 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	P/2015/1623	Certificate of Lawfulness for a single storey side and a rear extensions, a porch and a rear roof extension with hip to gable conversion, 2 roof windows to front elevation.	Approved	24/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1623
1082	London Borough of Hounslow	THE MARJORY KINNON SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2015/1606	Erection of two single storey double temporary classrooms and relocation of one single temporary classroom	Approved	20/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1606
1083	London Borough of Hounslow	9 WARFIELD ROAD FELTHAM LONDON TW14 8AD	P/2015/1640	Certificate of Lawfulness for a proposed rear roof extension with hip to gable conversion and 2 roof windows to front elevation.	Approved	27/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1640
1084	London Borough of Hounslow	20 KINGSTON AVENUE FELTHAM LONDON TW14 9SL	P/2015/1678	Erection of single storey side and rear extensions to the house	Approved	27/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1678
1085	London Borough of Hounslow	8 STANWELL ROAD FELTHAM LONDON TW14 8NW	P/2015/1807	Installation of fencing and gates	Approved	14/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1807
1086	London Borough of Hounslow	422A STAINES ROAD FELTHAM LONDON TW14 8BS	P/2015/1814	Retrospective application to erect fence panelling to increase height of boundary to 2m	Approved	20/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1814
1087	London Borough of Hounslow	71 IMPERIAL ROAD FELTHAM LONDON TW14 8AE	P/2015/1953	Certificate of Lawfulness for existing side roof extension with roof window to front elevation.	Lawful	14/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1953
1088	London Borough of Hounslow	19 WEST ROAD FELTHAM LONDON TW14 8JG	P/2015/2060	Certificate of Lawfulness for the erection of a rear roof extension with hip to gable conversion and front roof windows and a front porch to the house.	Approved	06/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2060
1089	London Borough of Hounslow	19 WEST ROAD FELTHAM LONDON TW14 8JG	PA/2015/2061	Ground floor rear extension 6 metres deep, maximum height of 3.15 metres, 2.95 metres high to the eaves	Prior approval not required	22/06/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2061
1090	London Borough of Hounslow	1 WELLINGTON ROAD FELTHAM LONDON TW14 9QX	P/2015/2131	Formation of a vehicular access to the front of the house	Approved	03/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2131
1091	London Borough of Hounslow	339B BEDFONT LANE FELTHAM LONDON TW14 9SD	PA/2015/2205	Ground floor rear extension 8 metres deep, maximum height of 2.626 metres, 2.626 metres high to the eaves	Prior approval not required	01/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2205
1092	London Borough of Hounslow	41 ELM ROAD FELTHAM LONDON TW14 8EP	PA/2015/2428	Ground floor rear extension 6 metres deep, maximum height of 2.5 metres, 2.4 metres high to the eaves	Prior approval not required	14/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2428
1093	London Borough of Hounslow	34 NEW ROAD BEDFONT LONDON TW14 8HN	PA/2015/2439	Ground floor rear extension 4.2 metres deep, maximum height of 2.85 metres, 2.55 metres high to the eaves	Prior approval not required	15/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2439
1094	London Borough of Hounslow	29 ORCHARD AVENUE FELTHAM LONDON TW14 9RD	P/2015/2448	Erection of a single storey rear extension to the house	Approved	04/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2448
1095	London Borough of Hounslow	BEDFONT PRIMARY SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2015/2485	Erection of a single storey extension with flat roof of the existing west flank elevation of the primary school to the hard play site area, a porch, pedestrian access and associated scooter/buggy store, bin stores and fencing	Approved	19/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2485



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1096	London Borough of Hounslow	54 KINGSTON AVENUE FELTHAM LONDON TW14 9SN	P/2015/2495	Erection of part single storey, part two storey side and rear extensions and a front porch	Approved	09/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2495
1097	London Borough of Hounslow	22 EDWARD ROAD FELTHAM LONDON TW14 9RF	P/2015/2631	Erection of a single storey rear extension	Approved	28/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2631
1098	London Borough of Hounslow	12 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	PA/2015/2621	Ground floor rear extension 6 metres deep, maximum height of 3.6 metres, 3 metres high to the eaves	Prior approval not required	22/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2621
1099	London Borough of Hounslow	DAVID HENRY WARING COURT STAINES ROAD FELTHAM LONDON TW14 8PE	P/2015/2677	Replacement of damaged timber to porch of conservatory and repair of damaged windows and hand rail spindles, removal of paintwork to existing woodwork to window seals, and cast iron to be cleaned and painted black	Approved	05/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2677
1100	London Borough of Hounslow	24 EAST ROAD FELTHAM LONDON TW14 8DQ	PA/2015/2774	Ground floor rear extension 6 metres deep, maximum height of 2.950 metres, 2.875 metres high to the eaves	Prior approval not required	30/07/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2774
1101	London Borough of Hounslow	58 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	P/2015/2842	Proposed Erection of a first floor side extension to the house	Approved	19/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2842
1102	London Borough of Hounslow	60 KINGSTON AVENUE FELTHAM LONDON TW14 9SN	PA/2015/2836	Ground floor rear extension 3.6 metres deep, maximum height of 3.2 metres, 3 metres high to the eaves	Prior approval not required	04/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2836
1103	London Borough of Hounslow	15 CEDAR ROAD FELTHAM LONDON TW14 8EU	PA/2015/2863	Ground floor rear extension 4.680 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval not required	04/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2863
1104	London Borough of Hounslow	213 HATTON ROAD FELTHAM LONDON TW14 9QY	P/2015/3060	Erection of single storey rear extension to the house	Approved	26/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3060
1105	London Borough of Hounslow	21 CEDAR ROAD FELTHAM LONDON TW14 8EU	PA/2015/3153	Ground floor rear extension 6 metres deep, maximum height of 3.4 metres, 2.8 metres high to the eaves	Prior approval not required	24/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3153
1106	London Borough of Hounslow	75 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	PA/2015/3207	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.7 metres high to the eaves	Prior approval not required	26/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3207
1107	London Borough of Hounslow	8 STANWELL ROAD FELTHAM LONDON TW14 8NW	P/2015/3236	Installation of external metal cladding on the existing office block	Approved	16/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3236
1108	London Borough of Hounslow	256 HATTON ROAD FELTHAM LONDON TW14 9QT	P/2015/3364	Erection of a single storey rear extension	Approved	14/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3364
1109	London Borough of Hounslow	38 BEDFONT CLOSE FELTHAM LONDON TW14 8LE	P/2015/3363	Single storey detached outbuilding at the rear garden with a flat roof	Approved	22/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3363
1110	London Borough of Hounslow	25 SPINNEY DRIVE FELTHAM LONDON TW14 8PL	PA/2015/3654	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.83 metres high to the eaves	Prior approval not required	21/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3654
1111	London Borough of Hounslow	58 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	PA/2015/3652	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior approval not required	23/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3652



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1112	London Borough of Hounslow	21 CEDAR ROAD FELTHAM LONDON TW14 8EU	P/2015/3659	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion, Juliet balcony and three front roof windows to the house	Approved	09/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3659
1113	London Borough of Hounslow	22 EDWARD ROAD FELTHAM LONDON TW14 9RF	P/2015/3770	Certificate of lawfulness for erection of a rear roof extension with hip to gable conversion and 2 roof windows to front elevation	Approved	29/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3770
1114	London Borough of Hounslow	19 WEST ROAD FELTHAM LONDON TW14 8JG	P/2015/3829	Certificate of Lawfulness for erection of a single storey outbuilding in the rear garden of the house	Approved	13/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3829
1115	London Borough of Hounslow	26 HATTON ROAD FELTHAM LONDON TW14 8JQ	P/2015/3817	Erection of a rear roof extension	Approved	26/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3817
1116	London Borough of Hounslow	31 NORTH ROAD FELTHAM LONDON TW14 8JB	P/2015/3870	Certificate of lawfulness for the retention of the existing single storey rear and single storey side extensions	Lawful	07/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3870
1117	London Borough of Hounslow	42 HORSHAM ROAD FELTHAM LONDON TW14 8LW	PA/2015/3907	Ground floor rear extension 3.65 metres deep, maximum height of 2.7 metres, 2.4 metres high to the eaves.	Prior approval not required	13/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/3907
1118	London Borough of Hounslow	DAVID HENRY WARING COURT STAINES ROAD FELTHAM LONDON TW14 8PE	P/2015/3929	Cleaning, maintenance and repair works to rear conservatory, including redecoration and the addition of a handrail to steps to match existing	Approved	07/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3929
1119	London Borough of Hounslow	75 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	P/2015/4016	Erection of a single storey and part first floor rear extension	Appeal granted	17/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4016
1120	London Borough of Hounslow	25 BENEDICT DRIVE FELTHAM LONDON TW14 8JH	PA/2015/4037	Ground floor rear extension 4 metres deep, maximum height of 3 metres, 2.75 metres high to the eaves	Prior approval not required	19/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4037
1121	London Borough of Hounslow	27 BENEDICT DRIVE FELTHAM LONDON TW14 8JH	PA/2015/4079	Ground floor rear extension 4 metres deep, maximum height of 3.443 metres, 2.73 metres high to the eaves	Prior approval not required	19/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4079
1122	London Borough of Hounslow	643-651 STAINES ROAD FELTHAM LONDON TW14 8PA	PA/2015/4081	Prior notification for the change of use of the existing premises from offices (B1 use) to provide 14 self contained residential flats (C3 use)	Prior approval not required	13/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4081
1123	London Borough of Hounslow	11 SHERBORNE ROAD FELTHAM LONDON TW14 8ES	PA/2015/4197	Ground floor rear extension 6 metres deep, maximum height of 2.8 metres, 2.8 metres high to the eaves	Prior approval not required	28/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4197
1124	London Borough of Hounslow	114 NEW ROAD BEDFONT LONDON TW14 8HT	P/2015/4191	Retrospective application for erection of a single storey rear extension to the house	Appeal granted	17/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4191
1125	London Borough of Hounslow	BEDFONT PRIMARY SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	PA/2015/4257	Prior approval for the installation of 149.76 kwp Solar Photovoltaics (PV) equipment across the roof top of the buildings of the school	Prior approval not required	20/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4257
1126	London Borough of Hounslow	576 STAINES ROAD FELTHAM LONDON TW14 8PG	P/2015/4359	Erection of a single storey side and rear extension to the house.	Approved	23/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4359
1127	London Borough of Hounslow	MARJORY KINNON SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	PA/2015/4438	Prior approval for the installation of 105.04 kwp Solar Photovoltaics (PV) equipment across the roof top of the buildings of the school	Approved	23/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4438



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1128	London Borough of Hounslow	606 STAINES ROAD FELTHAM LONDON TW14 8PG	P/2015/4403	Erection of a single storey part rear extension	Approved	15/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4403
1129	London Borough of Hounslow	BURLINGTON HOUSE BURLINGTON CLOSE FELTHAM LONDON TW14 8JU	P/2015/4591	Listed building consent for demolition and erection of a boundary wall between burlington House and St Mary's church, including the removal of six trees	Approved	24/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4591
1130	London Borough of Hounslow	BURLINGTON HOUSE BURLINGTON CLOSE FELTHAM LONDON TW14 8JU	P/2015/4590	Demolition and erection of a boundary wall between Burlington House and St Mary's Church, including the removal of six trees	Approved	24/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4590
1131	London Borough of Hounslow	137 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SR	PA/2015/4634	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior approval not required	27/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/4634
1132	London Borough of Hounslow	27 BENEDICT DRIVE FELTHAM LONDON TW14 8JH	P/2015/4794	Certificate of lawfulness for the proposed erection of a rear roof extension to the house with hip to gable conversion and 2 roof windows to front elevation	Approved	27/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4794
1133	London Borough of Hounslow	93 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SP	P/2015/4917	Certificate of lawfulness for the proposed use of 93 Northumberland Crescent as private hire vehicle operators	Lawful	18/12/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4917
1134	London Borough of Hounslow	9 FAWNS MANOR ROAD FELTHAM LONDON TW14 8EL	P/2015/5045	Erection of single storey side and rear extensions and conversion of a garage into habitable room.	Approved	11/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5045
1135	London Borough of Hounslow	256 HATTON ROAD FELTHAM LONDON TW14 9QT	P/2015/5079	Erection of a single storey side extension and two side roof dormers to the house	Approved	23/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5079
1136	London Borough of Hounslow	24 EAST ROAD FELTHAM LONDON TW14 8DQ	P/2015/5167	Erection of a single storey side extension	Approved	19/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5167
1137	London Borough of Hounslow	406-408 STAINES ROAD FELTHAM LONDON TW14 8BT	P/2015/5234	Change of use to betting shop (sui generis) and new shop front	Approved	28/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5234
1138	London Borough of Hounslow	120 Hatton Road Feltham London TW14 8JA	P/2015/5297	Erection of a rear roof extension incorporating hip to gable conversion, Juliet balcony and three front roof lights to the house	Approved	12/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5297
1139	London Borough of Hounslow	41 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	P/2015/5322	Erection of a two storey side and single storey rear extension to the house	Approved	21/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5322
1140	London Borough of Hounslow	MARJORY KINNON SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2015/5342	Demolition of existing school, change of use from allotments to a school and erection of an SEN school.	Approved	27/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5342
1141	London Borough of Hounslow	260 HATTON ROAD FELTHAM LONDON TW14 9QT	PA/2015/5403	Ground floor rear extension 4.7 metres deep, maximum height of 2.9 metres, 2.65 metres high to the eaves	Prior approval not required	18/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/5403



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1142	London Borough of Hounslow	643-651 STAINES ROAD FELTHAM LONDON TW14 8PA	P/2015/5449	Conversion of existing roof space into two self contained flats, along with external alterations including the erection of dormer windows, insertion of roof lights and elevational alterations	Approved	24/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5449
1143	London Borough of Hounslow	406-408 STAINES ROAD FELTHAM LONDON TW14 8BT	P/2015/5509	Erection of rear roof extensions with Juliette balconies and front roof windows, a part two part single storey rear extension and alterations to the front elevation at ground floor to both properties	Approved	29/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5509
1144	London Borough of Hounslow	26 HATTON ROAD FELTHAM LONDON TW14 8JQ	P/2015/5547	Certificate of Lawfulness for the erection of a detached single storey outbuilding to the rear of the house.	Approved	01/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5547
1145	London Borough of Hounslow	39 STANWELL ROAD FELTHAM LONDON TW14 8NA	P/2015/5577	Creation of vehicular access to the house	Approved	27/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5577
1146	London Borough of Hounslow	28 GROVESTILE WAYE FELTHAM LONDON TW14 8EX	P/2015/5590	Erection of a single storey rear extension	Approved	15/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5590
1147	London Borough of Hounslow	487C STAINES ROAD FELTHAM TW14 8BN	P/2016/0035	Creation of outdoor seating to the front of the existing restaurant	Approved	25/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0035
1148	London Borough of Hounslow	624 STAINES ROAD FELTHAM LONDON TW14 8RX	P/2016/0040	Erection of a single storey side extension to the house	Approved	17/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0040
1149	London Borough of Hounslow	52 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	PA/2016/0205	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.85 metres high to the eaves	Prior approval not required	12/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0205
1150	London Borough of Hounslow	52 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	P/2016/0206	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	10/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0206
1151	London Borough of Hounslow	38 THE GARDENS FELTHAM LONDON TW14 9PW	P/2016/0215	Erection of detached outbuilding in rear garden for use as garden room	Approved	23/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0215
1152	London Borough of Hounslow	384-386 Staines Road Feltham Middlesex TW14 8BT	P/2016/0522	Erection of a single storey rear extension to the shop	Approved	16/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0522
1153	London Borough of Hounslow	FAIRHOLME PRIMARY SCHOOL PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2016/0548	Construction of a Permeable Sports tarmac 'Multi Use Games Area' (MUGA) measuring 17 metres x 34 metres with a three metre high green colour-coated weldmesh fence around it on the North end of the Playing Field and a path linking it to the playground	Approved	25/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0548
1154	London Borough of Hounslow	38 BEDFONT CLOSE FELTHAM LONDON TW14 8LE	P/2016/0621	Erection of a single storey rear extension to the house	Approved	05/04/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0621
1155	London Borough of Hounslow	66 THE GARDENS FELTHAM LONDON TW14 9PW	P/2016/0639	Retention of a front porch to existing house	Approved	30/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0639
1156	London Borough of Hounslow	44 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SZ	PA/2016/0763	Ground floor rear extension 6 metres deep, maximum height of 3.8 metres, 2.35 metres high to the eaves	Prior approval not required	17/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0763
1157	London Borough of Hounslow	21 CEDAR ROAD FELTHAM LONDON TW14 8EU	P/2016/1215	Erection of a two storey side extension to the house	Approved	09/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1215



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1158	London Borough of Hounslow	19 BEECH ROAD FELTHAM LONDON TW14 8AH	P/2016/1248	Erection of a part single part two storey side extension and single storey rear extension to the house	Approved	06/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1248
1159	London Borough of Hounslow	262 HATTON ROAD FELTHAM TW14 9QT	P/2016/1631	Certificate of Lawfulness for the erection of a rear roof extension with hip to gable conversion and front roof windows.	Approved	01/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1631
1160	London Borough of Hounslow	363 HATTON ROAD FELTHAM LONDON TW14 9QS	PA/2016/1636	Ground floor rear extension 4 metres deep, maximum height of 3 metres, 2.850 metres high to the eaves	Prior approval not required	16/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/1636
1161	London Borough of Hounslow	36 CAINS LANE FELTHAM TW14 9RH	P/2016/2011	Certificate of lawfulness for the conversion of a detached outbuilding into a granny annex.	Approved	07/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2011
1162	London Borough of Hounslow	DAVID HENRY WARING COURT 731 STAINES ROAD FELTHAM TW14 8PE	P/2016/2115	Replace existing and damaged 3mm float glass with 4mm "toughened" glass to the conservatory	Approved	14/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2115
1163	London Borough of Hounslow	28 KINGSTON AVENUE FELTHAM TW14 9SL	P/2016/2060	Erection of a single storey side and rear extension to the house.	Approved	29/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2060
1164	London Borough of Hounslow	50 WEST ROAD FELTHAM TW14 8JE	P/2016/2069	Erection of a single storey rear extension	Approved	29/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2069
1165	London Borough of Hounslow	27 WEST VIEW FELTHAM LONDON TW14 8PR	P/2016/2197	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and 2 front roof windows to the house	Approved	18/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2197
1166	London Borough of Hounslow	BEDFONT PRIMARY SCHOOL HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2016/2322	Installation of a roof mounted ventilation plant and associated works including the erection of handrails to roof perimeter and access ladders	Approved	17/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2322
1167	London Borough of Hounslow	CLOCKHOUSE SERVICE STATION CLOCKHOUSE LANE FELTHAM TW14 8RX	P/2016/2334	Retrospective application for the installation of ATM in purpose built cabinet	Approved	07/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2334
1168	London Borough of Hounslow	CLOCKHOUSE SERVICE STATION CLOCKHOUSE LANE FELTHAM LONDON TW14 8RX	P/2016/2313	Continued use of the internally illuminated fascia surrounding the ATM	Approved	07/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2313
1169	London Borough of Hounslow	38 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SZ	PA/2016/2657	Ground floor rear extension 6 metres deep, maximum height of 3.4 metres, 3 metres high to the eaves	Prior approval not required	13/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2657
1170	London Borough of Hounslow	8 NEW SQUARE FELTHAM TW14 8HA	P/2016/2687	Erection of a single storey extension of cafe, alterations to deck and steps and installation of a replacement balustrade	Approved	05/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2687
1171	London Borough of Hounslow	82 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SW	PA/2016/2721	Ground floor rear extension 5.3 m deep, with the maximum height of 2.6 m and 2.4 m high to the eaves.	Prior approval not required	19/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2721
1172	London Borough of Hounslow	43 NEW ROAD BEDFONT LONDON TW14 8HW	P/2016/2829	Erection of a single storey part side and rear extensions to the house	Approved	09/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2829



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1173	London Borough of Hounslow	35 NEW ROAD BEDFONT TW14 8HW	P/2016/2919	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion to the house.	Approved	04/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2919
1174	London Borough of Hounslow	31 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SY	P/2016/3081	Erection of a single storey rear and side extension	Approved	24/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3081
1175	London Borough of Hounslow	31 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SY	P/2016/3081	Erection of a single storey rear and side extension	Approved	24/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3081
1176	London Borough of Hounslow	314 STAINES ROAD FELTHAM TW14 9HD	P/2016/3302	Erection of a single storey rear extension	Approved	31/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3302
1177	London Borough of Hounslow	CEDAR ROAD FELTHAM TW14 8EU	PA/2016/3524	Ground floor rear extension 6m deep, with the maximum height of 2.9m and 2.9m high to the eaves.	Prior approval not required	25/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3524
1178	London Borough of Hounslow	28 KINGSTON AVENUE FELTHAM LONDON TW14 9SL	P/2016/3547	Erection of a single storey side and rear extensions to the house	Approved	06/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3547
1179	London Borough of Hounslow	49 NEW ROAD BEDFONT LONDON TW14 8HR	P/2016/3545	Certificate of Lawfulness for erection of roof extensions to main roof and rear projection with 3 roof windows to front elevation	Approved	20/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3545
1180	London Borough of Hounslow	49 NEW ROAD BEDFONT TW14 8HR	P/2016/3628	Erection of a single storey side/ rear extension to the house	Approved	28/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3628
1181	London Borough of Hounslow	3 RICHMOND AVENUE FELTHAM TW14 9SG	P/2016/3636	Erection of single storey front extension to dwellinghouse and conversion of garage into a habitable room	Approved	22/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3636
1182	London Borough of Hounslow	36 WEST ROAD FELTHAM TW14 8JE	PA/2016/3864	Ground floor rear extension 3 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior approval not required	22/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/3864
1183	London Borough of Hounslow	58 ORCHARD AVENUE FELTHAM TW14 9RE	P/2016/3980	Certificate of lawfulness for the erection of a hip to gable of main roof and a rear roof extension with two front roof windows	Approved	04/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3980
1184	London Borough of Hounslow	44 NEW ROAD BEDFONT TW14 8HN	PA/2016/4067	Ground floor rear extension 4.55 metres deep, maximum height of 3.6 metres, 2.6 metres high to the eaves	Prior approval not required	12/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4067
1185	London Borough of Hounslow	52 SPINNEY DRIVE FELTHAM TW14 8PN	P/2016/4341	Retrospective application for erection of an outbuilding in rear garden	Approved	21/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4341
1186	London Borough of Hounslow	32 EDWARD ROAD FELTHAM TW14 9RF	P/2016/4450	Erection of a single storey rear and side extension and part conversion of existing detached garage into utility room including alterations to the roof of the garage.	Approved	18/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4450
1187	London Borough of Hounslow	19 BEECH ROAD FELTHAM TW14 8AH	P/2016/4546	Erection of an attached two-bedroom house and a single storey rear extension to the existing dwelling at number 19 Beech Road	Approved	19/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4546
1188	London Borough of Hounslow	396 STAINES ROAD FELTHAM TW14 8BT	P/2016/4704	Replacement of a shopfront to form a separate access to upper floor flats	Approved	19/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4704



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1189	London Borough of Hounslow	489 STAINES ROAD FELTHAM TW14 8BW	P/2016/5201	Installation of internally illuminated surround for the existing ATM	Approved	06/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5201
1190	London Borough of Hounslow	25 ORCHARD AVENUE FELTHAM TW14 9RD	PA/2016/5315	Ground floor rear extension 4.3 metres deep, maximum height of 3.78 metres, 2.96 metres high to the eaves	Prior approval not required	23/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5315
1191	London Borough of Hounslow	14 HAZELMERE CLOSE FELTHAM TW14 9PX	P/2016/5314	Demolition of an existing garage and erection of a single storey side extension and formation of a vehicular access to the house	Approved	19/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5314
1192	London Borough of Hounslow	44 NEW ROAD BEDFONT TW14 8HN	PA/2016/5388	Ground floor rear extension 6 metres deep, maximum height of 3.6 metres, 2.6 metres high to the eaves	Prior approval not required	22/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5388
1193	London Borough of Hounslow	48 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	PA/2016/5392	Ground floor rear extension 6m deep, 2.850m high to the eaves with the maximum height of 3.065m.	Prior approval not required	10/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5392
1194	London Borough of Hounslow	48 ORCHARD AVENUE FELTHAM TW14 9RE	P/2016/5384	Certificate of Lawfulness for the erection of a hip to gable and rear roof extension with two front roof windows to the house.	Approved	01/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5384
1195	London Borough of Hounslow	82 KINGSTON AVENUE FELTHAM LONDON TW14 9SN	PA/2016/5458	Ground floor rear extension 6m deep, 2.8m high to the eaves with the maximum height of 2.95m.	Prior approval not required	06/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5458
1196	London Borough of Hounslow	27 EAST ROAD FELTHAM TW14 8DG	P/2016/5453	Erection of single storey side and rear extension with the enlargement of a front porch to the house	Approved	03/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5453
1197	London Borough of Hounslow	BEDFONT PRIMARY SCHOOL HATTON ROAD FELTHAM TW14 9QZ	P/2016/5497	Alterations to windows and installation of external plant equipment to roof	Approved	03/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5497
1198	London Borough of Hounslow	63 ORCHARD AVENUE FELTHAM TW14 9RD	P/2016/5557	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and a front roof window to the house	Approved	19/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5557
1199	London Borough of Hounslow	6 CAINS LANE FELTHAM LONDON TW14 9RH	P/2016/5686	Restrospective application for the erection of a single storey detached outbuilding to the rear for use as a gym	Approved	31/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5686
1200	London Borough of Hounslow	52 KINGSTON AVENUE FELTHAM TW14 9SL	P/2017/0071	Erection of a single storey side and rear extension to the house.	Approved	17/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0071
1201	London Borough of Hounslow	4 WEST ROAD FELTHAM LONDON TW14 8JE	PA/2017/0194	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 4m.	Prior approval not required	20/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0194
1202	London Borough of Hounslow	34 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SZ	P/2017/0249	Certificate of lawfulness for the erection of a hip to gable and rear roof extension incorporating two front roof windows with the erection of a single storey side and rear extension to the house	Approved	15/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0249
1203	London Borough of Hounslow	76 BEDFONT CLOSE FELTHAM LONDON TW14 8LF	PA/2017/0390	Ground floor rear extension 5.9 metres deep, maximum height of 2.9 metres, 2.6 metres high to the eaves	Prior approval not required	13/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0390
1204	London Borough of Hounslow	8 CAINS LANE FELTHAM TW14 9RH	P/2017/0405	Erection of two storey side and single storey rear extensions.	Approved	24/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0405



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1205	London Borough of Hounslow	16 NORTH ROAD FELTHAM TW14 8JB	PA/2017/0610	Ground floor rear extension 6 metres deep, maximum height of 2.8 metres, 2.950 metres high to the eaves	Prior approval not required	24/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0610
1206	London Borough of Hounslow	1 CEDAR ROAD FELTHAM LONDON TW14 8EU	P/2017/0705	Erection of a part single part two storey side extension and a single storey rear extension with two roof lanterns to the house	Approved	13/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0705
1207	London Borough of Hounslow	47 THE GARDENS FELTHAM LONDON TW14 9PP	P/2017/0847	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house.	Approved	12/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0847
1208	London Borough of Hounslow	378 STAINES ROAD FELTHAM LONDON TW14 8BT	PA/2017/0894	Prior notification for change of use of rear part of ground floor and whole of first floor from (B1) office use to provide 6 residential flats (C3)	Prior approval not required	24/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0894
1209	London Borough of Hounslow	180 HATTON ROAD FELTHAM TW14 9PY	P/2017/0953	Certificate of Lawfulness existing for the conversion of the house into five self contained flats	Approved	12/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0953
1210	London Borough of Hounslow	13 WEST ROAD FELTHAM TW14 8JG	PA/2017/1294	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.75 metres high to the eaves	Prior approval not required	28/04/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1294
1211	London Borough of Hounslow	28 PATES MANOR DRIVE FELTHAM TW14 8JJ	P/2017/1312	Certificate of Lawfulness for the erection of a single storey rear extension to the house.	Approved	26/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1312
1212	London Borough of Hounslow	82 KINGSTON AVENUE FELTHAM TW14 9SN	P/2017/1364	Erection of a single storey side and rear extension to the house	Approved	25/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1364
1213	London Borough of Hounslow	9 WEST VIEW FELTHAM TW14 8PP	P/2017/1358	Erection of a Granny Annexe for ancillary residential use	Appeal granted	09/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1358
1214	London Borough of Hounslow	26 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SZ	PA/2017/1536	Ground floor rear extension 3.95 metres deep, maximum height of 3.0 metres, 3.0 metres high to the eaves.	Prior approval not required	04/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1536
1215	London Borough of Hounslow	26 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SZ	P/2017/1519	Erection of a single storey front extension	Appeal granted	10/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1519
1216	London Borough of Hounslow	34 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SZ	PA/2017/1558	Ground floor rear extension 6.0 metres deep, maximum height of 2.49 metres, 2.31 metres high to the eaves.	Prior approval not required	22/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1558
1217	London Borough of Hounslow	32 SPINNEY DRIVE FELTHAM TW14 8PW	P/2017/1638	Certificate of Lawfulness for the erection of a rear roof extension incorporating two front roof windows to the house	Approved	24/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1638
1218	London Borough of Hounslow	49 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SY	P/2017/1704	Erection of a single storey rear extension to the house	Approved	14/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1704
1219	London Borough of Hounslow	71 ORCHARD AVENUE FELTHAM TW14 9RD	P/2017/1818	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	21/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1818
1220	London Borough of Hounslow	34 NORTHUMBERLAND CRESCENT	P/2017/1898	Erection of a front extension, part single/ part two storey side extension and a single storey rear extension.	Approved	28/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1898

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
		FELTHAM LONDON TW14 9SZ					
1221	London Borough of Hounslow	77 LONGFORD AVENUE FELTHAM TW14 9TH	P/2017/2068	Erection of part single / part two storey rear extensions to the house	Approved	12/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2068
1222	London Borough of Hounslow	9 IVERNA GARDENS FELTHAM TW14 9RQ	P/2017/2071	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	11/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2071
1223	London Borough of Hounslow	12 MYRTLE AVENUE FELTHAM TW14 9QU	P/2017/2106	Certificate of Lawfulness for erection of an outbuilding for use as a garden room.	Approved	11/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2106
1224	London Borough of Hounslow	77 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	PA/2017/2195	Ground floor rear extension 6m deep, 2.9m high to the eaves with the maximum height of 3m.	Prior approval not required	29/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2195
1225	London Borough of Hounslow	26 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SZ	P/2017/2310	Certificate of Lawfulness for erection of a first floor side extension.	Approved	29/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2310
1226	London Borough of Hounslow	309 HATTON ROAD FELTHAM LONDON TW14 9QS	P/2017/2317	Demolition of an existing bungalow and erection of a two storey building to provide a 3 bedroom house, 4 x 1 bedroom flats, alterations to vehicular access, 5 car parking spaces, 10 cycle stand spaces, a bin store and associated landscaping	Approved	07/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2317
1227	London Borough of Hounslow	378 STAINES ROAD FELTHAM TW14 8BT	P/2017/2344	Alterations to shopfront to allow stair access for upper flats	Approved	10/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2344
1228	London Borough of Hounslow	HATTON CROSS SERVICE STATION GREAT SOUTH WEST ROAD FELTHAM TW14 0PR	P/2017/2391	Installation of new auto-doors, shop-front windows, AC & condensers units within security cages, security door and louvres.	Approved	21/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2391
1229	London Borough of Hounslow	50 THE GARDENS FELTHAM TW14 9PW	P/2017/2410	Erection of a single storey rear infill extension following demolition of existing to the house	Approved	21/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2410
1230	London Borough of Hounslow	32 SPINNEY DRIVE FELTHAM LONDON TW14 8PW	PA/2017/2492	Ground floor rear extension 4m deep, 2.95m high to the eaves with the maximum height of 3m.	Prior approval not required	18/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2492
1231	London Borough of Hounslow	49 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SY	P/2017/2479	Certificate of Lawfulness for erection of a rear roof extension with hip to gable conversion and two roof windows to front elevation	Approved	01/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2479
1232	London Borough of Hounslow	11 THE GARDENS FELTHAM TW14 9PP	PA/2017/2628	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior approval not required	19/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2628
1233	London Borough of Hounslow	49 BEECH ROAD FELTHAM LONDON BOROUGH OF HOUNSLOW TW14 8AH	P/2017/2635	Erection of a detached two storey house adjacent to 49 Beech Road.	Appeal granted	05/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2635

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1234	London Borough of Hounslow	39 THE GARDENS FELTHAM TW14 9PP	P/2017/2653	Erection of a single storey rear extension to the house	Approved	16/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2653
1235	London Borough of Hounslow	48 ORCHARD AVENUE FELTHAM LONDON TW14 9RE	P/2017/2816	Certificate of Lawfulness for the erection of a single storey outbuilding at the rear garden of the house	Approved	22/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2816
1236	London Borough of Hounslow	2 EDWARD ROAD FELTHAM LONDON TW14 9RF	PA/2017/2900	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3.4m.	Prior approval not required	14/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2900
1237	London Borough of Hounslow	HATTON CROSS SERVICE STATION GREAT SOUTH WEST ROAD FELTHAM TW14 0PR	P/2017/2976	installation of 1 internally illuminated fascia sign, 4 internally illuminated and 3 non illuminated other signs	Approved	23/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2976
1238	London Borough of Hounslow	28 PATES MANOR DRIVE FELTHAM TW14 8JJ	P/2017/3038	Erection of a single storey rear extension and conversion of property into two self contained houses with associated car parking, bin stores, garden sheds and amenity space.	Approved	06/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3038
1239	London Borough of Hounslow	77 LONGFORD AVENUE FELTHAM LONDON TW14 9TH	P/2017/3127	Certificate of Lawfulness for erection of a front porch, a rear roof extension incorporating a juliet balcony and three front roof windows, a single storey rear extension and replacement of windows to the house	Approved	13/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3127
1240	London Borough of Hounslow	48 THE GARDENS FELTHAM TW14 9PW	P/2017/3135	Certificate of Lawfulness for erection of front porch and single storey rear extension to the house	Approved	21/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3135
1241	London Borough of Hounslow	83 ORCHARD AVENUE FELTHAM LONDON TW14 9RD	P/2017/3227	Conversion of a garage into habitable room to the house	Approved	11/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3227
1242	London Borough of Hounslow	32 KINGSTON AVENUE FELTHAM LONDON TW14 9SL	P/2017/3360	Erection of part two / part single storey side and a single storey rear extension to the house	Approved	28/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3360
1243	London Borough of Hounslow	60 WEST ROAD FELTHAM LONDON TW14 8JE	PA/2017/3390	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3m.	prior approval not required	11/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3390
1244	London Borough of Hounslow	43 SPINNEY DRIVE FELTHAM TW14 8PL	P/2017/3379	Certificate of lawfulness for erection of a rear roof extension with three roof windows to front elevation	Approved	03/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3379
1245	London Borough of Hounslow	146 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SW	PA/2017/3465	Ground floor rear extension 4.5m deep, 2.7m high to the eaves with the maximum height of 2.95m.	Prior approval not required	20/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3465
1246	London Borough of Hounslow	20 IVERNA GARDENS FELTHAM TW14 9RQ	P/2017/3614	Erection of a single storey side extension to the house	Approved	12/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3614
1247	London Borough of Hounslow	1 MYRTLE AVENUE FELTHAM LONDON TW14 9QU	PA/2017/3758	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior approval not required	09/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3758
1248	London Borough of Hounslow	11 THE GARDENS FELTHAM TW14 9PP	P/2017/3788	Certificate of Lawfulness for erection of rear outbuilding following removal of existing outbuilding.	Approved	22/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3788



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1249	London Borough of Hounslow	17 MYRTLE AVENUE FELTHAM TW14 9QU	PA/2017/3942	Ground floor rear extension 6 metres deep, maximum height of 3.3 metres, 3 metres high to the eaves following demolition of existing structures to the rear and side of the property.	Prior approval not required	24/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3942
1250	London Borough of Hounslow	181 HATTON ROAD FELTHAM TW14 9PR	P/2017/4067	Formation of a vehicular access to the house from The Gardens	In progress	25/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4067
1251	London Borough of Hounslow	13 HAZELMERE CLOSE FELTHAM TW14 9PX	P/2017/4097	Demolishing an existing garage and outbuilding and erection of a single storey side and rear extension to the bungalow.	Approved	04/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4097
1252	London Borough of Hounslow	137 BEDFONT CLOSE FELTHAM TW14 8LH	P/2017/4151	Erection of a single storey side extension to the house.	Approved	08/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4151
1253	London Borough of Hounslow	47 PEACOCK AVENUE FELTHAM TW14 8ET	P/2017/4496	Erection of a two storey side extension to the house.	Approved	15/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4496
1254	London Borough of Hounslow	76 KINGSTON AVENUE FELTHAM TW14 9SN	P/2017/4483	Erection of a two storey side extension and a single storey rear extension to the house	Approved	16/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4483
1255	London Borough of Hounslow	18 IVERNA GARDENS FELTHAM LONDON TW14 9RQ	PA/2017/4486	Ground floor rear extension 4.55 metres deep, maximum height of 3.8 metres, 2.5 metres high to the eaves	Prior approval not required	24/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/4486
1256	London Borough of Hounslow	7 NEW ROAD BEDFONT TW14 8HW	P/2017/4514	Certificate of lawfulness for the retrospective amalgamation from two flats to one dwelling.	Approved	19/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4514
1257	London Borough of Hounslow	422 STAINES ROAD FELTHAM LONDON TW14 8BS	P/2017/4568	Retrospective application for the installation of an ATM	Approved	20/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4568
1258	London Borough of Hounslow	422 STAINES ROAD FELTHAM LONDON TW14 8BS	P/2017/4563	Continued use of the internally illuminated fascia signs surrounding the ATM	Approved	20/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4563
1259	London Borough of Hounslow	19 PEACOCK AVENUE FELTHAM TW14 8ET	P/2017/4672	Erection of a single storey rear extension to the house following demolition of existing rear extension.	Approved	15/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4672
1260	London Borough of Hounslow	179 HATTON ROAD FELTHAM TW14 9PR	P/2017/4743	Certificate of lawfulness for existing six self-contained flats	Approved	16/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4743
1261	London Borough of Hounslow	2A MARRIOTT CLOSE FELTHAM TW14 9PZ	P/2017/4915	Demolition of the existing two-storey building and the erection of two buildings (varying between three, four and five storeys in height) to provide 12 extra care units and 18 flats, together with associated car parking, cycle parking, refuse storage and hard and soft landscaping.	In progress	21/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4915
1262	London Borough of Hounslow	181 NORTHUMBERLAND CRESCENT FELTHAM LONDON TW14 9SR	PA/2017/5029	Ground floor rear extension 6m deep, 2.8m high to the eaves with the maximum height of 2.8m.	Prior approval not required	22/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/5029
1263	London Borough of Hounslow	MARJORY KINNON SCHOOL HOUSE HATTON ROAD FELTHAM LONDON TW14 9QZ	P/2017/5074	Details of condition 15a (Energy Statement) submitted pursuant to planning permission 00807/B/P1 dated 13/12/2012 for demolition of existing school, change of use from allotments to a school and erection of an SEN school.	In progress	01/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5074



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1264	London Borough of Hounslow	84 BEDFONT CLOSE FELTHAM TW14 8LF	P/2017/5122	Erection of a single storey side extension to the house	Approved	30/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5122
1265	London Borough of Hounslow	LINDON HOUSE PENINSULAR CLOSE FELTHAM LONDON TW14 9ST	P/2017/5136	Erection of a single storey side and rear infill extension	Approved	05/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5136
1266	London Borough of Hounslow	183 HATTON ROAD FELTHAM TW14 9PR	P/2017/5124	Formation of a vehicular access to the front of the house	iN progress	06/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5124
1267	London Borough of Hounslow	35 ELM ROAD FELTHAM TW14 8EP	P/2017/5139	Retrospective application for conversion of a six bed HMO into a seven bed HMO	In progress	07/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5139
1268	London Borough of Hounslow	66 NEW ROAD BEDFONT LONDON TW14 8HT	P/2017/5370	Erection of a single storey rear extension, conversion of existing garage to habitable room and installation of external insulation.	In progress	21/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5370
1269	London Borough of Hounslow	35 NEW ROAD BEDFONT TW14 8HW	P/2018/0125	Certificate of lawfulness for the installation of a shower room to the existing detached single storey outbuilding	In progress	09/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0125
1270	London Borough of Hounslow	MARJORY KINNON SCHOOL HATTON ROAD FELTHAM TW14 9QZ	P/2018/0176	Details submitted pursuant to Condition 12 (Ground conditions), 16 (Phased demolition plan) and 17 (Drainage) following planning permission 00576/C/P11 dated 27/01/2017 for demolition of existing school, change of use from allotments to a school and erection of an SEN school	In progress	11/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0176
1271	London Borough of Hounslow	373 HATTON ROAD FELTHAM LONDON TW14 9QS	P/2018/0237	Certificate of Lawfulness for existing use as a B8 Storage Distribution	In progress	15/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0237
1272	London Borough of Hounslow	78 DUDLEY ROAD FELTHAM LONDON TW14 8EH	P/2018/0259	Erection of a single storey side and rear extension to the house	In progress	16/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0259
1273	London Borough of Hounslow	181 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SR	P/2018/0284	Certificate of Lawfulness for outbuilding	In progress	18/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0284
1274	London Borough of Hounslow	181 NORTHUMBERLAND CRESCENT FELTHAM TW14 9SR	P/2018/0285	Certificate of Lawfulness for the erection of a rear roof extension incorporating hip to gable conversion and juliette balcony with three front roof windows to the house.	In progress	18/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0285
1275	London Borough of Hounslow	245 HATTON ROAD FELTHAM TW14 9QY	P/2018/0344	Erection of a two storey side extension to create an additional house with associated parking and access to refuse area	In progress	23/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0344
1276	London Borough of Hounslow	317 HATTON ROAD FELTHAM LONDON TW14 9QS	PA/2018/0367	Ground floor rear extension 6m deep, 2.8m high to the eaves with the maximum height of 3m.	In progress	24/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2018/0367
1277	London Borough of Hounslow	3 RICHMOND AVENUE FELTHAM LONDON TW14 9SG	P/2018/0368	Alterations to existing side extension to incorporate a pitched roof	In progress	24/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0368
1278	London Borough of Hounslow	2 EDWARD ROAD FELTHAM LONDON TW14 9RF	P/2018/0389	Certificate of lawfulness for the erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house.	In progress	25/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0389
1279	London Borough of Hounslow	2 EDWARD ROAD FELTHAM LONDON TW14 9RF	P/2018/0387	Erection of a two storey side extension and a single storey part rear extension to the house	In progress	25/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0387

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1280	London Borough of Hounslow	177 HATTON ROAD FELTHAM TW14 9PR	P/2018/0418	Erection of single storey rear extension	In progress	29/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0418
1281	London Borough of Hounslow	11 SHERBORNE ROAD FELTHAM LONDON TW14 8ES	P/2018/0462	Erection of a part single part two storey side extension to the house	In progress	31/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0462
1282	London Borough of Hounslow	49 BEECH ROAD FELTHAM LONDON TW14 8AH	P/2018/0461	Certificate of Lawfulness for erection of a rear roof extension with hip to gable conversion and two roof windows to front elevation	In progress	31/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0461
1283	London Borough of Hounslow	62 EAST ROAD FELTHAM TW14 8DQ	P/2018/0567	Erection of a single storey rear infill extension	In progress	08/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0567
1284	Spelthorne Borough Council	30 Osborne Avenue, Stanwell, Staines-upon-Thames, TW19 7AF	13/01875/HOU	Erection of part two storey, part single storey side extension following demolition of existing garage.	Approved	20/12/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01875/HOU%27&history=de730b6bec6402b9d5987a24ce2a697
1285	Spelthorne Borough Council	22 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	13/00959/HOU	Erection of conservatory on side elevation	Approved	25/06/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00959/HOU%27&history=ff774a0f65e94c0cac29b4224e636d56
1286	Spelthorne Borough Council	11 Hillingdon Avenue, Stanwell, Staines-upon-Thames, TW19 7AG	13/00367/HOU	Erection of single storey rear extension (retrospective)	Approved	13/02/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00367/HOU%27&history=124f96eb51b447bf94e8f45ab483c502
1287	Spelthorne Borough Council	Homers Farm, London Road, Ashford,	13/00141/SCC	Proposed extraction of sand and gravel from land at Homers Farm together with associated wheelwash, site office, cabin for generator and car parking, the provision of a new access from Short Lane, restoration involving the importation of inert restoration materials to agriculture, on a site of 10.5 hectares.	No objection	25/01/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00141/SCC%27&history=9d7f9060031449b6aa7d09823475e716
1288	Spelthorne Borough Council	65 Canopus Way, Stanwell, Staines-upon-Thames, TW19 7TB	14/02068/FUL	Erection of part two storey, part single storey side extension to create a 1 bedroom house.	Approved	28/11/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/02068/FUL%27&history=8d95f7f5fff643fb95e20e7a4a6dacd0
1289	Spelthorne Borough Council	80 Long Lane, Stanwell, Staines-	14/01786/HOU	Erection of single storey rear extension (retrospective)	Approved	15/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
		<u>upon-Thames, TW19 7AE</u>					DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01786/HOU%27&history=dd21798f5a5d4fadbc55f3cd13ca762f
1290	Spelthorne Borough Council	<u>101 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	14/01662/HOU	Erection of a single storey side extension (including demolition of the existing garage)	Approved	22/09/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01662/HOU%27&history=dd21798f5a5d4fadbc55f3cd13ca762f
1291	Spelthorne Borough Council	<u>32 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX</u>	14/01353/PDH	Prior approval notification for a single storey rear extension extending 6m beyond the rear wall of the original dwellinghouse, with a maximum height of 4m, and a height of 2.556m to the eaves.	Prior Notification Householder Approve	06/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01353/PDH%27&history=736810a0c505466c89986a10d28aafaa
1292	Spelthorne Borough Council	<u>22 Short Lane, Stanwell, Staines-upon-Thames, TW19 7BQ</u>	14/01333/HOU	Erection of detached outbuilding containing a bathroom following demolition of existing garage.	Approved	04/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01333/HOU%27&history=736810a0c505466c89986a10d28aafaa
1293	Spelthorne Borough Council	<u>32 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX</u>	14/01335/CPD	Certificate of lawfulness for proposed rear facing dormer and three roof lights in front elevation.	Approved	04/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01335/CPD%27&history=736810a0c505466c89986a10d28aafaa
1294	Spelthorne Borough Council	<u>18 Canopus Way, Stanwell, Staines-upon-Thames, TW19 7SY</u>	14/01019/HOU	Erection of single storey front extension	Approved	17/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01019/HOU%27&history=9dad7606c314589aba565b553c0d4b0
1295	Spelthorne Borough Council	<u>18 Canopus Way, Stanwell, Staines-upon-Thames, TW19 7SY</u>	14/00812/PDH	Prior Approval Notification of a single storey rear extension extending 6 metres from the rear wall of the original dwellinghouse, with a maximum height of 2.95 metres and height of 2.85 metres to the eaves.	Prior Notification Householder Approve	20/05/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00812/PDH%27&history=9dad7606c314589aba565b553c0d4b0
1296	Spelthorne Borough Council	<u>Homers Farm, London Road, Ashford,</u>	13/00141/SCA1	Proposed extraction of sand and gravel from land at Homers Farm together with associated wheelwash, site office, cabin for generator and car parking, the provision of a new access from Short Lane, restoration involving the importation	No objection	22/04/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00141/SCA1%27&history=9dad7606c314589aba565b553c0d4b0



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
				of inert restoration materials to agriculture, on a site of 10.5 hectares (amended application).			e=planningpublisher.aspx&Filter=^REFVAL^=%2713/00141/SCA1%27&history=00e6022346f54fca96e1e805ab25b27d
1297	Spelthorne Borough Council	65 Canopus Way, Stanwell, Staines-upon-Thames, TW19 7TB	14/00225/PDH	Prior approval notification for a single storey rear extension measuring 6 metres beyond the rear wall of the original dwelling house with a maximum height of 3 metres and a height of 2.8 metres to the eaves	Prior Notification Householder Approve	10/02/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00225/PDH%27&history=183c4932c89a4d5a82d025fab215549a
1298	Spelthorne Borough Council	32 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	15/01592/PDH	Prior approval notification for a single storey rear extension extending 6m beyond the rear wall of the original dwellinghouse, with a maximum height of 3m, and height of 2.5m to the eaves	Prior approval not required	23/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01592/PDH%27&history=c73cbf7b9d9e41a682c626c050b02a51
1299	Spelthorne Borough Council	127 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL	15/01532/HOU	Erection of part two storey part single storey side and rear extension following demolition of existing garage	Approved	16/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01532/HOU%27&history=f74f625ddb2641a78cf223928616a91a
1300	Spelthorne Borough Council	24 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7SU	15/01537/CPD	Certificate of Lawfulness application for proposed hip to gable roof alteration and rear facing dormer, 2 no. roof lights in front elevation	Lawful	16/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01537/CPD%27&history=f74f625ddb2641a78cf223928616a91a
1301	Spelthorne Borough Council	4 Milton Gardens, Stanwell, Staines-upon-Thames, TW19 7BS	15/01355/HOU	Erection of single storey rear extension and internal alterations following demolition of existing conservatory.	Approved	12/01/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01355/HOU%27&history=7076c07bf7964fd6834d6268a792dddf
1302	Spelthorne Borough Council	18 Canopus Way, Stanwell, Staines-upon-Thames, TW19 7SY	15/00339/CPD	Certificate of proposed development for the erection of a detached outbuilding.	Approved	10/03/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00339/CPD%27&history=38f905872cc743758507feb2550714fc
1303	Spelthorne Borough Council	32 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	15/00304/CPD	Certificate of Lawfulness for proposed outbuilding.	Lawful	03/03/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00304/CPD%27&history=38f905872cc743758507feb2550714fc



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							er=^REFVAL^=%2715/00304/CPD%27&history=18d2a2ee0daa4982998900d20692f5dc
1304	Spelthorne Borough Council	59 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	15/00289/HOU	Erection of a part single storey, part two storey rear extension	Approved	27/02/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00289/HOU%27&history=18d2a2ee0daa4982998900d20692f5dc
1305	Spelthorne Borough Council	59 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	15/00291/CPD	Certificate of Lawfulness for the proposed development of loft alterations to include the installation of a rear dormer and the erection of a single storey outbuilding.	Lawful	27/02/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00291/CPD%27&history=18d2a2ee0daa4982998900d20692f5dc
1306	Spelthorne Borough Council	101 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL	15/00155/FUL	Erection of a detached bungalow with accommodation in the roof space.	Approved	29/01/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00155/FUL%27&history=18d2a2ee0daa4982998900d20692f5dc
1307	Spelthorne Borough Council	65 Canopus Way, Stanwell, Staines-upon-Thames, TW19 7TB	16/01642/FUL	Retrospective application for the erection of a part two storey, part single storey side extension to create 2 bedroom house (amendment to pp 14/02068/FUL for the erection of a part two storey, part single storey side extension to create a 1 bed house) to comprise wider property and additional depth at ground and first floor as shown on plan no's 67CANOPUS/FPA/1 Rev A, 67CANOPUS/FPA/2 Rev A, 67CANOPUS/FPA/3 Rev A, 67CANOPUS/FPA/4 Rev A, 67CANOPUS/FPA/5 Rev 0.	Approved	03/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01642/FUL%27&history=306c3ff3f6e947108f6948e81e069ecf
1308	Spelthorne Borough Council	2 Explorer Avenue, Stanwell, Staines-upon-Thames, TW19 7SS	16/01376/FUL	Erection of a two storey side extension to provide an end of terrace two bedroom dwelling following demolition of existing garage.	Approved	11/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01376/FUL%27&history=f64bfea53f042038e6a6cb35ae4791c
1309	Spelthorne Borough Council	7 Chesterton Drive, Stanwell, Staines-upon-Thames, TW19 7BT	16/01149/CPD	Certificate of lawfulness for proposed development of a rear facing dormer, and one rooflight within the front elevation.	Lawful	12/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01149/CPD%27&history=1152f117190248d381116c221f1bbbf
1310	Spelthorne Borough Council	7 Chesterton Drive, Stanwell, Staines-upon-Thames, TW19 7BT	16/01152/HOU	Erection of a single storey rear extension.	Lawful	12/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01152/

Heathrow Expansion

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							HOU%27&history=1152f117190248d381116c221f1bbbf
1311	Spelthorne Borough Council	4 Hadrian Close, Stanwell, Staines-upon-Thames, TW19 7DW	16/01114/HOU	Erection of a single storey rear extension and single storey front porch	Approved	05/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01114/HOU%27&history=1152f117190248d381116c221f1bbbf
1312	Spelthorne Borough Council	59 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	16/00458/PDH	Prior approval notification for a single storey rear extension extending 6 metres beyond the rear elevation of the original dwelling house measuring a maximum height of 2.7 metres and a height to the eaves of 2.7 metres	Prior approval not required	17/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00458/PDH%27&history=ff9525ac1ce94bc3bc3342ad29e1b5c2
1313	Spelthorne Borough Council	34 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	16/00425/HOU	Erection of a single storey rear and side extension and associated internal alterations	Approved	17/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00425/HOU%27&history=ff9525ac1ce94bc3bc3342ad29e1b5c2
1314	Spelthorne Borough Council	12 Osborne Avenue, Stanwell, Staines-upon-Thames, TW19 7AF	17/01347/HOU	Erection of a single storey front extension to form a porch and the erection of part first floor side, front and rear extension.	Approved	22/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01347/HOU%27&history=c7b44d75041b454d9c8a80732b7a8d12
1315	Spelthorne Borough Council	Galower Builders Limited, 100 - 102 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AE	17/01218/FUL	rection of part single/ part two storey flank extension and conversion of existing office and flat into 3 no. terraced houses comprising 2 no. 2 bed and 1 no 1 bed dwelling and provision of forecourt parking. (AMENDED DESCRIPTION)	Approved	25/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01218/FUL%27&history=caf73029368a4f3e9f113b31d1e42736
1316	Spelthorne Borough Council	6 Osborne Avenue, Stanwell, Staines-upon-Thames, TW19 7AF	17/00516/HOU	Erection of a single storey rear extension and conversion of garage to habitable room	Approved	29/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00516/HOU%27&history=ec2094bfd39247138f94b1dbbb13847f
1317	Spelthorne Borough Council	16 Milton Gardens, Stanwell, Staines-upon-Thames, TW19 7BS	17/00256/HOU	Conversion of the garage to form habitable accommodation and associated alterations	Approved	15/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00256/



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							HOU%27&history=ac9148ec419b4960be8f999c66501317
1318	Spelthorne Borough Council	4 Milton Gardens, Stanwell, Staines-upon-Thames, TW19 7BS	17/00051/HOU	Erection of a single storey rear extension and internal alterations following demolition of existing conservatory.	Approved	11/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00051/HOU%27&history=869cff28b03346ed96c4f19e7b4da9b3
1319	Spelthorne Borough Council	113 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL	18/00191/PDH	Prior approval notification for a single storey rear extension measuring 8 metres in depth beyond the rear wall of the original dwellinghouse, with a maximum height of 3.95 metres and a height to the eaves of 3 metres.	In progress	06/02/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00191/PDH%27&history=d69a97b32be44e1aa9a62626bbdb8d94
1320	Spelthorne Borough Council	12 Osborne Avenue, Stanwell, Staines-upon-Thames, TW19 7AF	18/00079/CPD	Certificate of lawfulness for the proposed development of a single storey detached outbuilding.	In progress	16/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00079/CPD%27&history=d69a97b32be44e1aa9a62626bbdb8d94
1321	Spelthorne Borough Council	32 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	18/00049/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear wall of the original dwellinghouse measuring a maximum height of 3 metres and a height to the eaves of 2.7 metres.	In progress	09/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00049/PDH%27&history=d69a97b32be44e1aa9a62626bbdb8d94
1322	Spelthorne Borough Council	53 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	17/01822/CPD	Certificate of lawfulness for the proposed development of roof alterations to include the installation of a rear facing dormer with roof lights to the front elevation.	Lawful	28/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01822/CPD%27&history=fad269bc96da4084ac45a1d9f016864f
1323	Spelthorne Borough Council	7 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	17/01690/HOU	Erection of a two storey and single storey rear extension.	Approved	02/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01690/HOU%27&history=fad269bc96da4084ac45a1d9f016864f
1324	Spelthorne Borough Council	29 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	17/01619/HOU	Erection of part two part single storey rear extension.	Approved	18/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01619/



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							HOU%27&history=3a402f83d67d472c92956413bcfb9145
1325	Spelthorne Borough Council	11 Elsinore Avenue, Stanwell, Staines-upon-Thames, TW19 7SX	17/01620/PDH	Prior approval notification for a single storey rear extension measuring 4.5 metres beyond the rear wall of the original dwelling house with a maximum height of 3.7 metres and a height to the eaves of 2.75 metres.	Prior approval not required	17/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01620/PDH%27&history=3a402f83d67d472c92956413bcfb9145
1326	Spelthorne Borough Council	42 Short Lane, Stanwell, Staines-upon-Thames, TW19 7BQ	17/01533/HOU	Conversion of garage to habitable accommodation by replacing garage door with window and wrap around roof.	Approved	03/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01533/HOU%27&history=3a402f83d67d472c92956413bcfb9145
1327	London Borough of Hillingdon	HOLIDAY INN HOTEL SIPSON ROAD WEST DRAYTON	6843/APP/2013/2182	The installation of 2 x 1.2m microwave dishes, equipment cabinet (to be installed internally) free standing hand railing and ancillary equipment on the rooftop	Approved	16/10/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=6843/APP/2013/2182&from=planningSearch
1328	London Borough of Hillingdon	472 SIPSON ROAD SIPSON	1977/APP/2013/2050	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 6 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres, involving demolition of existing detached outbuilding	Prior approval not required	22/07/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1977/APP/2013/2050&from=planningSearch
1329	London Borough of Hillingdon	472 SIPSON ROAD SIPSON	1977/APP/2013/1992	Single storey side/rear extension	Approved	16/07/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1977/APP/2013/1992&from=planningSearch
1330	London Borough of Hillingdon	FORMER ROYAL BRITISH LEGION CLUB SIPSON ROAD SIPSON UB7 0JD	829/APP/2013/1618	The redevelopment of the existing vacant club/pub site at 560 Sipson Road to accommodate a new 4 storey 54 room hotel with associated parking and landscaping.	Approved	14/06/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=829/APP/2013/1618&from=planningSearch
1331	London Borough of Hillingdon	494 SIPSON ROAD SIPSON	43975/APP/2013/1312	Single storey rear extension	Approved	21/05/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=43975/APP/2013/1312&from=planningSearch
1332	London Borough of Hillingdon	CHERRY LANE PRIMARY SCHOOL SIPSON ROAD WEST DRAYTON UB7 9DL	4318/APP/2013/1303	Erection of a temporary single storey two classroom block	Approved	20/05/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=4318/APP/2013/1303&from=planningSearch
1333	London Borough of Hillingdon	HOLIDAY INN HOTEL SIPSON ROAD WEST DRAYTON	6843/APP/2013/1278	Installation of 6 x microwave dish antennas to roof of building	Approved	17/05/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=6843/APP/2013/1278&from=planningSearch
1334	London Borough of Hillingdon	KING WILLIAM IV P.H. SIPSON ROAD SIPSON	6928/ADV/2013/29	Installation of an externally illuminated individual letter sign, a fascia sign and a number of wall mounted non-illuminated signs	Approved	15/04/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=6928/ADV/2013/29&from=planningSearch
1335	London Borough of Hillingdon	KING WILLIAM IV P.H. SIPSON ROAD SIPSON	6928/APP/2013/929	Installation of an externally illuminated individual letter sign, a fascia sign and a number of wall mounted non-illuminated signs(Application for Listed Building Consent).	Approved	15/04/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=6928/APP/2013/929&from=planningSearch

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1336	London Borough of Hillingdon	JURY'S INN HOTEL (HATTON CROSS) EASTERN PERIMETER ROAD HEATHROW AIRPORT	53546/ADV/2014/24	Various illuminated and non-illuminated signs	Approved	16/04/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=53546/ADV/2014/24&from=planningSearch
1337	London Borough of Hillingdon	LAND AT JUNCTION WITH BATH ROAD, OPP. SHERATON HOTEL COLNBROOK BY-PASS LONGFORD UB7 0EA	69730/ADV/2014/10	Installation of 4 non-illuminated stand alone sponsorship signs	Approved	03/02/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=69730/ADV/2014/10&from=planningSearch
1338	London Borough of Hillingdon	STATUS 4 NOBEL DRIVE HARLINGTON	46616/ADV/2013/103	Installation of 1 non-illuminated free standing sign	Approved	20/11/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=46616/ADV/2013/103&from=planningSearch
1339	London Borough of Hillingdon	STATUS 4 NOBEL DRIVE HARLINGTON	69183/ADV/2013/104	Installation of 1 non-illuminated free standing sign	Approved	20/11/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=69183/ADV/2013/104&from=planningSearch
1340	London Borough of Hillingdon	TERMINAL FOUR ROUNDABOUT HEATHROW AIRPORT HOUNSLOW	69366/ADV/2013/71	Installation of three model 787 aircraft in Etihad Airlines livery on individual plinths, externally and internally illuminated. One ground level 'Etihad' logo, non-illuminated.	Approved	01/08/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=69366/ADV/2013/71&from=planningSearch
1341	London Borough of Hillingdon	51 BLOSSOM WAY WEST DRAYTON	19998/APP/2014/1295	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 6 metres, for which the maximum height would be 3.65 metres, and for which the height of the eaves would be 2.546 metres	Prior approval not required	14/04/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=19998/APP/2014/1295&from=planningSearch
1342	London Borough of Hillingdon	34 BLOSSOM WAY WEST DRAYTON	17426/APP/2013/3614	Single storey rear extension and single storey detached outbuilding to rear for use as a sports room	Approved	14/12/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=17426/APP/2013/3614&from=planningSearch
1343	London Borough of Hillingdon	2 COLERIDGE WAY WEST DRAYTON UB7 9HP	69874/APP/2014/1112	Single storey front/side extension and single storey rear extension	Approved	31/03/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=69874/APP/2014/1112&from=planningSearch
1344	London Borough of Hillingdon	265 WORDSWORTH WAY WEST DRAYTON	38497/APP/2013/2308	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 3.66 metres, for which the maximum height would be 2.84 metres, and for which the height of the eaves would be 2.54 metres	Prior approval not required	13/08/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=38497/APP/2013/2308&from=planningSearch
1345	London Borough of Hillingdon	11 BATH ROAD HEATHROW TW6 2AA	2349/ADV/2014/89	Installation of 4 x internally illuminated fascia signs and 1 x internally illuminated monument sign	Approved	08/10/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=2349/ADV/2014/89&from=planningSearch
1346	London Borough of Hillingdon	34 BLOSSOM WAY WEST DRAYTON	17426/APP/2015/451	Single storey rear extension (Part Retrospective)	Approved	06/02/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=17426/APP/2015/451&from=planningSearch
1347	London Borough of Hillingdon	83 BLOSSOM WAY WEST DRAYTON	3297/APP/2014/4350	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 3 metres	Prior approval not required	11/12/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=3297/APP/2014/4350&from=planningSearch
1348	London Borough of Hillingdon	84 KEATS WAY WEST DRAYTON	26996/APP/2015/52	Conversion of integral garage to habitable use involving alterations to front elevations (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	08/01/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=26996/APP/2015/52&from=planningSearch

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1349	London Borough of Hillingdon	90 KEATS WAY WEST DRAYTON	15242/APP/2014/3349	Single storey detached outbuilding to be used as a games room (Retrospective)	Approved	18/09/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=15242/APP/2014/3349&from=planningSearch
1350	London Borough of Hillingdon	CHERRY LANE PRIMARY SCHOOL SIPSON ROAD WEST DRAYTON UB7 9DL	4318/APP/2014/2670	Provision of Multi-Use Games Area (Proposed alternative location to that approved under planning permission ref: 4318/APP/2012/2733).	Approved	29/07/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=4318/APP/2014/2670&from=planningSearch
1351	London Borough of Hillingdon	SIPSON RECREATION GROUND SIPSON WAY SIPSON UB7 0DW	11720/APP/2015/682	Installation of metal storage container on an existing concrete base.	Approved	23/02/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=11720/APP/2015/682&from=planningSearch
1352	London Borough of Hillingdon	110 SIPSON ROAD WEST DRAYTON	38413/APP/2015/102	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.850 metres, and for which the height of the eaves would be 2.950 metres	Prior approval not required	12/01/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=38413/APP/2015/102&from=planningSearch
1353	London Borough of Hillingdon	382 SIPSON ROAD WEST DRAYTON UB7 0HU	70385/APP/2014/3807	Conversion of roof space to habitable use to include a rear dormer	Approved	24/10/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70385/APP/2014/3807&from=planningSearch
1354	London Borough of Hillingdon	CHERRY LANE PRIMARY SCHOOL SIPSON ROAD WEST DRAYTON UB7 9DL	4318/APP/2014/3441	Erection of 43m2 single-storey unit for use as a small school library and internal refurbishment works to create enhanced Special Resource Provision (SRP) facility.	Approved	25/09/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=4318/APP/2014/3441&from=planningSearch
1355	London Borough of Hillingdon	406 SIPSON ROAD SIPSON	24664/APP/2014/2351	Conversion of roof space to habitable use to include a rear dormer with Juliette balcony and 2 front and 1 side rooflights (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	02/07/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=24664/APP/2014/2351&from=planningSearch
1356	London Borough of Hillingdon	MCDONALDS RESTAURANT 400 BATH ROAD LONGFORD	51074/ADV/2016/16	Installation of various illuminated and non-illuminated signage	Approved	17/02/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=51074/ADV/2016/16&from=planningSearch
1357	London Borough of Hillingdon	Unit 521A STIRLING ROAD HEATHROW AIRPORT TW6 3JJ	70845/ADV/2016/12	Installation of 5 internally illuminated fascia signs and 4 non-illuminated fascia signs	Approved	08/02/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70845/ADV/2016/12&from=planningSearch
1358	London Borough of Hillingdon	MCDONALDS 400 BATH ROAD LONGFORD	51074/ADV/2016/5	Installation of 5 internally illuminated signs and the relocation of 3 internally illuminated signs	Approved	08/01/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=51074/ADV/2016/5&from=planningSearch
1359	London Borough of Hillingdon	BUILDING 391 VISCOUNT WAY HEATHROW AIRPORT TW6 2JD	71465/ADV/2015/101	Installation of 1 internally illuminated stand alone sign	Approved	15/12/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=71465/ADV/2015/101&from=planningSearch
1360	London Borough of Hillingdon	272-276 BATH ROAD HEATHROW UB3 5JJ	464/ADV/2015/89	Installation of 6 internally illuminated fascia signs, 1 internally illuminated hanging sign and 1 internally illuminated totem sign	Approved	03/11/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=464/ADV/2015/89&from=planningSearch
1361	London Borough of Hillingdon	68 BLOSSOM WAY WEST DRAYTON	3567/APP/2016/807	Two storey side extension	Approved	25/02/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=3567/APP/2016/807&from=planningSearch
1362	London Borough of Hillingdon	48 BLOSSOM WAY WEST DRAYTON UB7 9HF	11935/APP/2015/4755	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 3.6 metres, for which the maximum height would be 4 metres, and for which the height of the eaves would be 3 metres	Prior approval not required	31/12/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=11935/APP/2015/4755&from=planningSearch



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1363	London Borough of Hillingdon	68 BLOSSOM WAY WEST DRAYTON	3567/APP/2016/807	Two storey side extension	Approved	25/02/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=3567/APP/2016/807&from=planningSearch
1364	London Borough of Hillingdon	45-47 SIPSON WAY SIPSON UB7 0DW	19592/APP/2016/1009	Change of use from Use Class A1/A3 (Shops/Restaurant/Cafes) to Use Class A3 (Restaurants and Cafes) involving internal alterations to create one single unit.	Appeal granted	9/13/16	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=19592/APP/2016/1009&from=planningSearch
1365	London Borough of Hillingdon	438 SIPSON ROAD SIPSON	58243/APP/2016/918	Single storey rear extension	Approved	03/03/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=58243/APP/2016/918&from=planningSearch
1366	London Borough of Hillingdon	45 SIPSON WAY SIPSON	21315/APP/2016/189	Installation of low brick wall to front (Retrospective)	Approved	18/01/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=21315/APP/2016/189&from=planningSearch
1367	London Borough of Hillingdon	CHAMBERS BUSINESS PARK SIPSON ROAD WEST DRAYTON	70376/APP/2015/3764	7 x two storey, 3-bed, dwellings with habitable roof space with associated parking and amenity space involving demolition of existing warehouse	Approved	09/10/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70376/APP/2015/3764&from=planningSearch
1368	London Borough of Hillingdon	476 SIPSON ROAD SIPSON UB7 0HZ	70922/APP/2015/1949	Single storey detached outbuilding to rear for use as a store/playroom (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	27/05/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70922/APP/2015/1949&from=planningSearch
1369	London Borough of Hillingdon	476 SIPSON ROAD SIPSON UB7 0HZ	70922/APP/2015/1957	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 2.95 metres, and for which the height of the eaves would be 2.875 metres	Prior approval not required	27/05/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70922/APP/2015/1957&from=planningSearch
1370	London Borough of Hillingdon	BEDFONT CROSS STANWELL ROAD FELTHAM TW14 8NX	50395/ADV/2017/15	Installation of 4 illuminated and non illuminated signs and 1 pylon sign	Approved	27/01/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50395/ADV/2017/15&from=planningSearch
1371	London Borough of Hillingdon	LONDON HEATHROW MARRIOTT HOTEL BATH ROAD HEATHROW UB3 5AN	12502/ADV/2017/9	Installation of various illuminated and non illuminated signs and 2 totem signs	Approved	18/01/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=12502/ADV/2017/9&from=planningSearch
1372	London Borough of Hillingdon	4/5 SKYPORT DRIVE HARMONDSWORTH	71751/ADV/2017/10	Installation of 6 internally illuminated fascia signs	Approved	18/01/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=71751/ADV/2017/10&from=planningSearch
1373	London Borough of Hillingdon	PREMIER INN, T4 SHEFFIELD WAY HEATHROW AIRPORT TW6 3SY	50657/ADV/2016/105	Erection of an illuminated freestanding totem and 3 double-sided post & panel and 4 illuminated fascia signs.	Approved	03/11/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50657/ADV/2016/105&from=planningSearch
1374	London Borough of Hillingdon	SHELL HEATHROW PEGGY BEDFORD 400 BATH ROAD LONGFORD UB7 0EA	51074/ADV/2016/100	Installation of 4 non-illuminated fascia signs	Approved	24/10/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=51074/ADV/2016/100&from=planningSearch
1375	London Borough of Hillingdon	SHELL SERVICE STATION HARMONDSWORTH ROAD WEST DRAYTON	62937/ADV/2016/87	Installation of 5 non illuminated fascia signs	Approved	23/09/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=62937/ADV/2016/87&from=planningSearch



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1376	London Borough of Hillingdon	UNIT 1, POLAR PARK BATH ROAD HEATHROW UB7 0EX	70223/ADV/2016/74	Installation of 1 fascia sign	Approved	26/08/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70223/ADV/2016/74&from=planningSearch
1377	London Borough of Hillingdon	UNIT 1, POLAR PARK BATH ROAD HEATHROW UB7 0EX	70223/ADV/2016/75	Installation of 4 new non-illuminated fascia signs and relocation of 1 non-illuminated fascia sign	Approved		http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70223/ADV/2016/74&from=planningSearch
1378	London Borough of Hillingdon	CO-OP STORE, 222-224 HIGH STREET HARLINGTON	60948/ADV/2016/64	Installation of 2 x internally illuminated fascia signs, 1 x internally illuminated hanging sign and 1 x non-illuminated hanging sign.	Approved	08/07/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=60948/ADV/2016/64&from=planningSearch
1379	London Borough of Hillingdon	BUILDING 549 SHOREHAM ROAD EAST HEATHROW AIRPORT TW6 3UA	71943/ADV/2016/56	Erection of 2 internally illuminated signs	Approved	31/05/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=71943/ADV/2016/56&from=planningSearch
1380	London Borough of Hillingdon	59 BLOSSOM WAY WEST DRAYTON UB7 0JP	59358/APP/2016/2163	Conversion of roofspace to habitable use to include a rear dormer, 2 x front rooflights and conversion of roof from hip to gable end with a new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	09/06/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=59358/APP/2016/2163&from=planningSearch
1381	London Borough of Hillingdon	14 VINE CLOSE WEST DRAYTON UB7 9HH	71960/APP/2016/4464	Two storey attached dwelling house with associated parking and amenity space and single storey rear extension.	Approved	12/12/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=71960/APP/2016/4464&from=planningSearch
1382	London Borough of Hillingdon	20 VINE CLOSE WEST DRAYTON UB7 9HH	8730/APP/2016/4017	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 3.6 metres, for which the maximum height would be 3.4 metres, and for which the height of the eaves would be 2.5 metres.	Approved	02/11/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=8730/APP/2016/4017&from=planningSearch
1383	London Borough of Hillingdon	7 SIPSON LANE HARLINGTON UB3 5EH	50043/APP/2017/726	Conversion of roof space to habitable use to include a rear dormer and a side dormer	Approved	27/02/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50043/APP/2017/726&from=planningSearch
1384	London Borough of Hillingdon	502 SIPSON ROAD SIPSON	7141/APP/2017/700	First floor side/rear extension	Approved	27/02/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=7141/APP/2017/700&from=planningSearch
1385	London Borough of Hillingdon	142 SIPSON ROAD WEST DRAYTON UB7 9DN	12284/APP/2017/31	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.8 metres, and for which the height of the eaves would be 2.67 metres	Prior approval not required	03/01/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=12284/APP/2017/31&from=planningSearch
1386	London Borough of Hillingdon	FORMER ROYAL BRITISH LEGION CLUB SIPSON ROAD WEST DRAYTON	829/APP/2016/2751	Demolition of vacant club building (Application for prior notification of proposed demolition)	Approved	15/07/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=829/APP/2016/2751&from=planningSearch
1387	London Borough of Hillingdon	11A COLERIDGE WAY WEST DRAYTON UB7 9HP	61795/APP/2017/124	Single storey outbuilding to rear for use as a gym/playroom/store	Approved	13/01/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=61795/APP/2017/124&from=planningSearch
1388	London Borough of Hillingdon	IAG CARGO CAMPUS SEALAND ROAD HEATHROW AIRPORT TW6 3FD	50045/ADV/2017/127	Replacement of 2 existing fascia signs mounted on cargo buildings with 2 new non-illuminated fascia signs	Approved	20/11/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=50045/ADV/2017/127&from=planningSearch
1389	London Borough of Hillingdon	SUMMIT CENTRE SKYPORT DRIVE HARMONDSWORTH UB7 0LY	9420/APP/2017/4017	Application for a Non-material Amendment to Advertisement Consent ref: 9420/ADV/2017/63 dated 07/08/2017 to allow for removal of trees (Installation of 2 non-illuminated totem signs).	Approved	06/11/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=9420/APP/2017/4017&from=planningSearch



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1390	London Borough of Hillingdon	THE WHEATSHEAF PH HIGH STREET HARLINGTON	13392/ADV/2017/100	Installation of various signage.	Approved	25/09/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=13392/ADV/2017/100&from=planningSearch
1391	London Borough of Hillingdon	THE WHEATSHEAF PH HIGH STREET HARLINGTON	13392/ADV/2017/84	Installation of various signage	Approved	20/07/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=13392/ADV/2017/84&from=planningSearch
1392	London Borough of Hillingdon	LONDON HEATHROW MARRIOTT HOTEL BATH ROAD HEATHROW UB3 5AN	12502/ADV/2017/74	Installation of various illuminated and non-illuminated signage	Approved	30/06/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=12502/ADV/2017/74&from=planningSearch
1393	London Borough of Hillingdon	85 BLOSSOM WAY WEST DRAYTON	3242/APP/2017/3198	Single storey rear extension	Approved	04/09/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=3242/APP/2017/3198&from=planningSearch
1394	London Borough of Hillingdon	51 KEATS WAY WEST DRAYTON	148/APP/2017/3435	Conversion of roof space to habitable use to include a rear dormer, 2 front roof lights and new gable end window (Application for a Certificate of Lawful Development for a Proposed Development)	Approved	21/09/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=148/APP/2017/3435&from=planningSearch
1395	London Borough of Hillingdon	51 KEATS WAY WEST DRAYTON	148/APP/2017/1666	Single storey rear extension, alterations to the existing single storey rear/side extension and enlargement of the existing porch	Approved	08/05/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=148/APP/2017/1666&from=planningSearch
1396	London Borough of Hillingdon	SIPSON RECREATION GROUND SIPSON WAY SIPSON UB7 0DW	11720/APP/2017/4058	Replacement sports club building with associated external works.	Approved	08/11/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=11720/APP/2017/4058&from=planningSearch
1397	London Borough of Hillingdon	36 SIPSON CLOSE SIPSON	10824/APP/2017/3990	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 4 metres, and for which the height of the eaves would be 3 metres	Prior approval not required	03/11/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=10824/APP/2017/3990&from=planningSearch
1398	London Borough of Hillingdon	382 SIPSON ROAD WEST DRAYTON UB7 0HU	70385/APP/2017/3794	Retention of hardstanding and provision of landscaping to front and relocation of cycle and bin store to rear (Part Retrospective)	Approved	18/10/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=70385/APP/2017/3794&from=planningSearch
1399	London Borough of Hillingdon	9 SIPSON LANE HARLINGTON	2321/APP/2017/3321	Conversion of roof space to habitable use to include a rear dormer and a side dormer.	Approved	12/09/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=2321/APP/2017/3321&from=planningSearch
1400	London Borough of Hillingdon	6 SIPSON WAY SIPSON UB7 0DN	72857/APP/2017/1797	Single storey outbuilding to rear for use as a gym/studio	Approved	12/05/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=72857/APP/2017/1797&from=planningSearch
1401	London Borough of Hillingdon	41 SIPSON WAY SIPSON	21314/APP/2017/1131	Single storey rear extension.	Approved	28/03/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=21314/APP/2017/1131&from=planningSearch
1402	London Borough of Hillingdon	ANSELL GARDEN CENTRE HOLLOWAY LANE HARMONDSWORTH	1114/APP/2017/2104	Replacement of shop and canopy destroyed by fire and retention of a dog grooming parlour.	Approved	09/06/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=1114/APP/2017/2104&from=planningSearch



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1403	London Borough of Hillingdon	1 MILTON WAY WEST DRAYTON	40544/APP/2017/2777	Three storey, 2-bed, end-of-terrace dwelling with associated parking and amenity space, involving alteration to crossover to front.	Approved	28/07/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=40544/APP/2017/2777&from=planningSearch
1404	London Borough of Hillingdon	134 ROWAN ROAD WEST DRAYTON	63228/APP/2013/2492	Single storey side and part two storey, part single storey rear extension, involving demolition of existing conservatory and detached garage	Approved	29/08/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=63228/APP/2013/2492&from=planningSearch
1405	London Borough of Hillingdon	75 ROWAN ROAD WEST DRAYTON UB7 7UG	69326/APP/2013/2483	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 5.5 metres, for which the maximum height would be 2.9 metres, and for which the height of the eaves would be 2.9 metres	Approved	29/08/2013	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=69326/APP/2013/2483&from=planningSearch
1406	London Borough of Hillingdon	7 ROWAN ROAD WEST DRAYTON	53106/APP/2014/3699	Single storey rear extension	Approved	16/10/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=53106/APP/2014/3699&from=planningSearch
1407	London Borough of Hillingdon	7 ROWAN ROAD WEST DRAYTON	53106/APP/2014/3068	Existing use of the dwelling as a House in Multiple Occupation for 4 persons (Application for a Lawful Development Certificate for an existing use/development)	Approved	27/08/2014	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=53106/APP/2014/3068&from=planningSearch
1408	London Borough of Hillingdon	7 ROWAN ROAD WEST DRAYTON	53106/APP/2015/2321	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.15 metres, and for which the height of the eaves would be 2.25 metres	Appeal granted	22/06/2015	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=53106/APP/2015/2321&from=planningSearch
1409	London Borough of Hillingdon	22 MAGNOLIA STREET WEST DRAYTON UB7 7UL	32395/APP/2016/3118	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3.85 metres, and for which the height of the eaves would be 3 metres.	prior approval is not required	16/08/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=32395/APP/2016/3118&from=planningSearch
1410	London Borough of Hillingdon	103 WISE LANE WEST DRAYTON	64661/APP/2016/1515	Single storey side/rear extension	Approved	18/04/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=64661/APP/2016/1515&from=planningSearch
1411	London Borough of Hillingdon	103 WISE LANE WEST DRAYTON	64661/APP/2016/965	Erection of a single storey rear extension, which would extend beyond the rear wall of the original house by 4 metres, for which the maximum height would be 3 metres, and for which the height of the eaves would be 2.7 metres	Approved	08/03/2016	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=64661/APP/2016/965&from=planningSearch
1412	London Borough of Hillingdon	150 ROWAN ROAD WEST DRAYTON	27547/APP/2017/3737	Part two storey, part single storey rear extension and porch to front	Approved	13/10/2017	http://planning.hillingdon.gov.uk/OcellaWeb/planningDetails?reference=27547/APP/2017/3737&from=planningSearch
1413	Spelthorne Borough Council	136 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6BB	17/00893/PDH	Prior approval notification for a single storey rear extension measuring 6 metres beyond the rear wall of the original dwellinghouse, measuring a maximum height of 3 metres as well as a height to the eaves of 3 metres.	Prior approval is not required	30/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00893/PDH%27&history=2b509758fb7243fcb244fe517c48b4d8
1414	Spelthorne Borough Council	65 Hadfield Road, Stanwell, Staines-upon-Thames, TW19 7JQ	17/00851/HOU	Erection of single storey side and front extension.	Approved	22/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00851/HOU%27&history=2b509758fb7243fcb244fe517c48b4d8



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1415	Spelthorne Borough Council	<u>22 Rose Gardens, Stanwell, Staines-upon-Thames, TW19 7UH</u>	17/00754/HOU	Conversion of integral garage into habitable accommodation with en-suite facilities and replacement of existing garage door with a new window opening.	Approved	08/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00754/HOU%27&history=7faddbf61cf9489d9b2282b0d4dc8e62
1416	Spelthorne Borough Council	<u>36 Elizabethan Way, Stanwell, Staines-upon-Thames, TW19 7QN</u>	17/00593/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear wall of the original dwelling house measuring a maximum height of 3.29 metres and a height to the eaves of 3 metres.	Prior approval is not required	10/04/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00593/PDH%27&history=7faddbf61cf9489d9b2282b0d4dc8e62
1417	Spelthorne Borough Council	<u>9 Roberts Close, Stanwell, Staines-upon-Thames, TW19 7NN</u>	17/00581/FUL	Erection of a single storey rear extension and subdivision of plot to create 2 no. two bedroom houses.	Approved	07/04/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00581/FUL%27&history=7faddbf61cf9489d9b2282b0d4dc8e62
1418	Spelthorne Borough Council	<u>35 Park Road, Stanwell, Staines-upon-Thames, TW19 7PB</u>	17/00528/CPD	Certificate of lawfulness for the proposed development of single storey rear extension.	Lawful	30/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00528/CPD%27&history=7faddbf61cf9489d9b2282b0d4dc8e62
1419	Spelthorne Borough Council	<u>5 Spire View, Stanhope Heath, Stanwell, Staines-upon-Thames, TW19 7PH</u>	17/00499/HOU	Erection of a single storey infill extension and conversion of garage to habitable room.	Approved	27/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00499/HOU%27&history=5b8a67c866ce4f75a819da47b2186697
1420	Spelthorne Borough Council	<u>1 Russell Drive, Stanwell,</u>	17/00451/FUL	Erection of a part single storey/part two storey rear extension and loft conversion with roof lights to provide additional floorspace for 2 existing flats, following demolition of existing ground floor rear element	Approved	20/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00451/FUL%27&history=5b8a67c866ce4f75a819da47b2186697
1421	Spelthorne Borough Council	<u>23 Selwood Gardens, Stanwell, Staines-upon-Thames, TW19 7NX</u>	17/00437/FUL	Erection of rear single storey extension	Approved	15/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00437/FUL%27&history=5b8a67c866ce4f75a819da47b2186697



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1422	Spelthorne Borough Council	8 Elizabethan Close, Stanwell, Staines-upon-Thames, TW19 7QL	17/00258/CPD	Certificate of lawful development for a proposed loft conversion to provide habitable accommodation including the construction of a rear dormer.	Lawful	15/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00258/CPD%27&history=5b8a67c866ce4f75a819da47b2186697
1423	Spelthorne Borough Council	8 Elizabethan Close, Stanwell, Staines-upon-Thames, TW19 7QL	17/00257/CPD	Certificate of lawful development for a proposed single storey rear extension.	Lawful	15/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00257/CPD%27&history=5b8a67c866ce4f75a819da47b2186697
1424	Spelthorne Borough Council	8 Elizabethan Close, Stanwell, Staines-upon-Thames, TW19 7QL	17/00250/HOU	Erection of a two storey side extension.	Approved	14/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00250/HOU%27&history=f4d7f88bd89f4ffda34a208eaaa5b801
1425	Spelthorne Borough Council	Hithermoor Quarry, Leylands Lane, Stanwell Moor, Staines-upon-Thames, TW19 6AZ	17/00246/SCC	Surrey County Council consultation for the development of Hithermoor Quarry Soil Treatment Facility without compliance with conditions 1, 4, 5 and 6 of planning permission ref: SP15/01243/SCC dated 11 January 2016, to allow:a) A revised site layout comprising: a larger holding lagoon, a realignment of the access rampant and the location of the office and testing facilitiesb) The provision of a surface water management scheme, a remediation scheme and a drainage scheme.	No objection	14/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00246/SCC%27&history=f4d7f88bd89f4ffda34a208eaaa5b801
1426	Spelthorne Borough Council	41 St Marys Avenue, Stanwell, Staines-upon-Thames, TW19 7JA	17/00180/PDH	Prior approval notification for a single storey rear extension measuring 4 metres in depth beyond the rear wall of the original dwelling house measuring a maximum height of 3.5 metres and a height of 2.4 metres to the eaves	Prior approval is not required	02/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00180/PDH%27&history=f4d7f88bd89f4ffda34a208eaaa5b801
1427	Spelthorne Borough Council	9 Stanhope Way, Stanwell, Staines-upon-Thames, TW19 7PJ	17/00068/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include a hip to gable alteration and the installation of a rear facing dormer.	Approved	16/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00068/CPD%27&history=f4d7f88bd89f4ffda34a208eaaa5b801
1428	Spelthorne Borough Council	9 Stanhope Way, Stanwell, Staines-upon-Thames, TW19 7PJ	17/00069/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear wall of the original dwelling house measuring a maximum height of 3.498 metres and a height of 2.438 metres to the eaves.	Prior approval is not required	16/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00069/PDH%27&history=7449f73408b7416486f7175d0cd5a34c



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1429	Spelthorne Borough Council	40 Elizabethan Way, Stanwell, Staines-upon-Thames, TW19 7QN	17/00054/CPD	Application for a certificate of lawfulness for the proposed development of an outbuilding.	Lawful	12/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00054/CPD%27&history=7449f73408b7416486f7175d0cd5a34c
1430	Spelthorne Borough Council	40 Elizabethan Way, Stanwell, Staines-upon-Thames, TW19 7QN	17/00053/CPD	Application for a certificate of lawfulness for the proposed development of a front porch.	Lawful	12/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00053/CPD%27&history=7449f73408b7416486f7175d0cd5a34c
1431	Spelthorne Borough Council	14 Park Road, Stanwell, Staines-upon-Thames, TW19 7NY	17/00010/HOU	Conversion of integral garage to habitable accommodation.	Approved	04/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00010/HOU%27&history=7449f73408b7416486f7175d0cd5a34c
1432	Spelthorne Borough Council	4 Hendon Way, Stanwell, Staines-upon-Thames, TW19 7LH	16/02085/PDH	Prior approval notification for a single storey rear extension measuring 4.5 metres beyond the rear wall of the original dwelling house measuring a maximum height of 2.85 metres and a height of 2.5 metres to the eaves.	Prior approval is not required	20/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/02085/PDH%27&history=7449f73408b7416486f7175d0cd5a34c
1433	Spelthorne Borough Council	58 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AJ	16/02074/HOU	Erection of a single storey rear extension.	Approved	15/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/02074/HOU%27&history=7449f73408b7416486f7175d0cd5a34c
1434	Spelthorne Borough Council	4 Fulwood Court, Long Lane, Stanwell, Staines-upon-Thames, TW19 7AS	16/01986/HOU	Creation of a means of access to the highway with associate crossover and dropped kerb.	Approved	01/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01986/HOU%27&history=1760f243291f4c56b2be66606215f9bd
1435	Spelthorne Borough Council	12 Lauser Road, Stanwell, Staines-upon-Thames, TW19 7PT	16/01915/CPD	Certificate of Lawfulness for the proposed development of a single storey rear extension	Lawful	18/11/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01915/CPD%27&history=1760f243291f4c56b2be66606215f9bd



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1436	Spelthorne Borough Council	<u>46 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG</u>	16/01876/HOU	Erection of single storey rear extension and change of flat roof to shallow pitch tiled roof.	Approved	10/11/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01876/HOU%27&history=1760f243291f4c56b2be66606215f9bd
1437	Spelthorne Borough Council	<u>23 Stanwell Gardens, Stanwell, Staines-upon-Thames, TW19 7JY</u>	16/01760/HOU	Erection of a single storey side extension to join with the existing extension and associated alterations.	Approved	20/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01760/HOU%27&history=1760f243291f4c56b2be66606215f9bd
1438	Spelthorne Borough Council	<u>205 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EF</u>	16/01680/HOU	Erection of a single storey side extension.	Approved	07/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01680/HOU%27&history=c7bc1229f4b5475fbfcfac7c0a28ba9
1439	Spelthorne Borough Council	<u>9 Lindsay Close, Stanwell, Staines-upon-Thames, TW19 7LF</u>	16/01663/HOU	Retention of garage conversion.	Approved	05/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01663/HOU%27&history=c7bc1229f4b5475fbfcfac7c0a28ba9
1440	Spelthorne Borough Council	<u>9A Everest Road, Stanwell, Staines-upon-Thames, TW19 7EA</u>	16/01670/FUL	Erection of two storey side extension that would form 1 no. 2 bedroom dwelling following removal of existing garage	Approved	05/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01670/FUL%27&history=c7bc1229f4b5475fbfcfac7c0a28ba9
1441	Spelthorne Borough Council	<u>8 Stanwell Gardens, Stanwell, Staines-upon-Thames, TW19 7JY</u>	16/01614/CPD	Certificate of lawfulness for proposed hip to gable roof alteration and rear facing dormer	Lawful	27/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01614/CPD%27&history=c7bc1229f4b5475fbfcfac7c0a28ba9
1442	Spelthorne Borough Council	<u>Hithermoor Farm, 6 Farm Way, Stanwell Moor, Staines-upon-Thames, TW19 6AY</u>	16/01591/FUL	Application for planning permission for:-(i) Conversion of 4 no. buildings and Farmhouse to 14 no. dwellings:(ii) Alterations to the external elevations:(iii) Demolition of remaining redundant farm/light industrial buildings:(iv) Erection of 3 no. 2-storey buildings to create 9 no. dwellings:(v) Provision of associated parking, bin stores, private and communal amenity space, and other alterations,for overall development comprising 23 no. dwellings	Lawful	21/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01591/FUL%27&history=c7bc1229f4b5475fbfcfac7c0a28ba9



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1443	Spelthorne Borough Council	4 Roberts Close, Stanwell, Staines-upon-Thames, TW19 7NN	16/01352/HOU	Erection of single storey side/rear extension (amended from previous refusal 16/00736/HOU)	Approved	11/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01352/HOU%27&history=d8417ed42e0a4b02b33ed537b06bbd40
1444	Spelthorne Borough Council	14 Comet Road, Stanwell, Staines-upon-Thames, TW19 7HP	16/01285/HOU	Erection of single storey front, side and rear extension and conversion of existing garage to habitable room (amended from previous refusal 16/00637/HOU)	Approved	02/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01285/HOU%27&history=d8417ed42e0a4b02b33ed537b06bbd40
1445	Spelthorne Borough Council	28 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG	18/00088/FUL	Erection of first floor extension to create 2 storey building and conversion to a House of Multiple Occupation (HMO) for up to 9 people	In progress	19/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00088/FUL%27&history=3ebc23a908be4baeb20c86f878075b76
1446	Spelthorne Borough Council	64 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG	18/00077/HOU	Erection of two storey side and rear extension (Following demolition of existing garage).	In progress	16/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00077/HOU%27&history=3ebc23a908be4baeb20c86f878075b76
1447	Spelthorne Borough Council	16 Hannibal Road, Stanwell, Staines-upon-Thames, TW19 7HH	18/00078/CPD	Certificate of lawfulness for the proposed development of roof alterations to include the installation of a rear facing dormer with Juliet balcony and roof lights in the front elevation.	In progress	16/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00078/CPD%27&history=3ebc23a908be4baeb20c86f878075b76
1448	Spelthorne Borough Council	166 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6BB	18/00071/CPD	Conversion of existing garage space to habitable accommodation by replacing garage door with window.	In progress	15/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00071/CPD%27&history=3ebc23a908be4baeb20c86f878075b76
1449	Spelthorne Borough Council	28 Hadrian Way, Stanwell, Staines-upon-Thames, TW19 7HF	17/01921/HOU	Roof alterations to include the installation of a rear facing dormer with roof lights to the front elevation and erection of rear outbuilding (Retrospective) and 2.4m high boundary wall.	In progress	21/12/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01921/HOU%27&history=3ebc23a908be4baeb20c86f878075b76



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1450	Spelthorne Borough Council	<u>9 Evergreen Way, Stanwell, Staines-upon-Thames, TW19 7UF</u>	17/01873/HOU	Conversion of existing garage space to habitable accommodation by replacing the garage door with window.	In progress	11/12/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01873/HOU%27&history=b7576029bd64464eb6af3ad92a9d1bca
1451	Spelthorne Borough Council	<u>40 Elizabethan Way, Stanwell, Staines-upon-Thames, TW19 7QN</u>	17/01813/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear wall of the original dwellinghouse with a maximum height of 2.8 metres and a height to the eaves of 2.8 metres.	Prior approval is not required	28/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01813/PDH%27&history=b7576029bd64464eb6af3ad92a9d1bca
1452	Spelthorne Borough Council	<u>19 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU</u>	17/01743/HOU	Formation of vehicular access at front of ground floor maisonette and creation of associated parking spaces.	Approved	13/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01743/HOU%27&history=b7576029bd64464eb6af3ad92a9d1bca
1453	Spelthorne Borough Council	<u>153 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AU</u>	17/01744/HOU	Erection of a single storey side extension.	Approved	13/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01744/HOU%27&history=b7576029bd64464eb6af3ad92a9d1bca
1454	Spelthorne Borough Council	<u>9 Stanhope Way, Stanwell, Staines-upon-Thames, TW19 7PJ</u>	17/01731/HOU	Erection of a two storey side extension and a part single storey, part two storey rear extension and the creation of a new front porch.	Approved	10/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01731/HOU%27&history=b7576029bd64464eb6af3ad92a9d1bca
1455	Spelthorne Borough Council	<u>36 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG</u>	17/01729/PDH	Prior approval notification for a single storey rear extension measuring 5.4 metres beyond the rear wall of the original dwellinghouse with a maximum height of 2.85 metres and a height to the eaves of 2.65 metres.	Prior approval is not required	09/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01729/PDH%27&history=b34ecc205ef64964951ecf6ffd141066
1456	Spelthorne Borough Council	<u>42 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU</u>	17/01720/HOU	Erection of first floor side extension and conversion and extension of garage into habitable space	Approved	08/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01720/HOU%27&history=b34ecc205ef64964951ecf6ffd141066

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1457	Spelthorne Borough Council	<u>156 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6BB</u>	17/01691/FUL	Part first floor/part single storey side extension and extension and alterations to roof including front and rear dormer windows.	Approved	02/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01691/FUL%27&history=b34ecc205ef64964951ecf6ffd141066
1458	Spelthorne Borough Council	<u>98 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EH</u>	17/01662/PDH	Prior approval notification for a single storey rear extension measuring 4.5 metres beyond the rear wall of the original dwelling house with a maximum height of 3.2 metres and a height to the eaves of 2.8 metres.	Prior approval is not required	30/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01662/PDH%27&history=b34ecc205ef64964951ecf6ffd141066
1459	Spelthorne Borough Council	<u>1 Evergreen Way, Stanwell, Staines-upon-Thames, TW19 7UF</u>	17/01570/HOU	Erection of single storey side extension.	Approved	09/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01570/HOU%27&history=b34ecc205ef64964951ecf6ffd141066
1460	Spelthorne Borough Council	<u>33 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU</u>	17/01547/HOU	Conversion of existing garage space to habitable accommodation by replacing garage door with window.	Approved	02/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01547/HOU%27&history=b34ecc205ef64964951ecf6ffd141066
1461	Spelthorne Borough Council	<u>23 Hadfield Road, Stanwell, Staines-upon-Thames, TW19 7JQ</u>	17/01536/PDH	Prior Approval Notification for a single storey rear extension measuring 3.60 metres from the rear wall of the original dwellinghouse with a maximum height of 3.60 metres and a height to the eaves of 2.11 metres.	Prior approval is not required	02/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01536/PDH%27&history=b34ecc205ef64964951ecf6ffd141066
1462	Spelthorne Borough Council	<u>5 Roberts Close, Stanwell, Staines-upon-Thames, TW19 7NN</u>	17/01509/CPD	Certificate of lawfulness for the proposed change of use from C3 (dwellinghouse) to C4 (small house in multiple occupation) to be occupied by no more than six residents.	Lawful	28/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01509/CPD%27&history=b34ecc205ef64964951ecf6ffd141066
1463	Spelthorne Borough Council	<u>9 Heath Close, Stanwell, Staines-upon-Thames, TW19 7PL</u>	17/01447/HOU	Erection of a single storey side and rear extension	Approved	13/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01447/HOU%27&history=b34ecc205ef64964951ecf6ffd141066



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1464	Spelthorne Borough Council	50 Diamedes Avenue, Stanwell, Staines-upon-Thames, TW19 7JB	17/01405/HOU	Erection of two storey side extension and single storey front extension.	Approved	06/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01405/HOU%27&history=5b7aca71da554c508133fcd0c733d14
1465	Spelthorne Borough Council	1 Corsair Road, Stanwell, Staines-upon-Thames, TW19 7HN	17/01378/HOU	Erection of single storey side/rear extension (Following demolition of existing garage).	Approved	30/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01378/HOU%27&history=5b7aca71da554c508133fcd0c733d14
1466	Spelthorne Borough Council	8 Elizabethan Close, Stanwell, Staines-upon-Thames, TW19 7QL	17/01364/FUL	Erection of end of terrace 2 bedroomed dwelling and single storey rear extension to existing (increased footprint to PA 17/00843/FUL)	Approved	25/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01364/FUL%27&history=5b7aca71da554c508133fcd0c733d14
1467	Spelthorne Borough Council	13 Gibson Place, Stanwell, Staines-upon-Thames, TW19 7NW	17/01327/HOU	Alterations to extend existing front dormer.	Approved	16/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01327/HOU%27&history=5b7aca71da554c508133fcd0c733d14
1468	Spelthorne Borough Council	33 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU	17/01339/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include a rear facing dormer and 2 roof lights in the front slope.	Lawful	14/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01339/CPD%27&history=5b7aca71da554c508133fcd0c733d14
1469	Spelthorne Borough Council	33 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU	17/01339/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include a rear facing dormer and 2 roof lights in the front slope.	Lawful	14/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01339/CPD%27&history=5b7aca71da554c508133fcd0c733d14
1470	Spelthorne Borough Council	9 Meadow View, Stanwell Moor, Staines-upon-Thames, TW19 6BH	17/01307/HOU	Erection of single storey side/rear extension with conversion of roof space to form habitable accommodation with roof lights in the front and rear slope.	Approved	10/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01307/HOU%27&history=5b7aca71da554c508133fcd0c733d14



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1471	Spelthorne Borough Council	23 Cleveland Park, Stanwell, Staines-upon-Thames, TW19 7LX	17/01301/HOU	Erection of single storey rear extension.	Approved	09/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01301/HOU%27&history=5b7aca71da554c508133fcd0c733d14
1472	Spelthorne Borough Council	29 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG	17/01288/HOU	Erection of single storey front extension.	Approved	08/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01288/HOU%27&history=5b7aca71da554c508133fcd0c733d14
1473	Spelthorne Borough Council	9 Rose Gardens, Stanwell, Staines-upon-Thames, TW19 7UH	17/01279/HOU	Erection of single storey rear extension with conversion of existing garage space to habitable accommodation by replacing the garage door with a window and the installation of a rear facing dormer.	Approved	07/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01279/HOU%27&history=a678b5b10c1f405a84d734711a7b4495
1474	Spelthorne Borough Council	29 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG	17/01282/PDH	Prior approval notification for a single storey rear extension measuring 6 metres beyond the rear wall of the original dwellinghouse measuring a maximum height of 3 metres and a height to the eaves of 3 metres.	Prior Notification Householder Approve	07/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01282/PDH%27&history=a678b5b10c1f405a84d734711a7b4495
1475	Spelthorne Borough Council	39 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG	17/01219/HOU	Erection of a single storey rear extension	Lawful	27/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01219/HOU%27&history=a678b5b10c1f405a84d734711a7b4495
1476	Spelthorne Borough Council	19 Comet Road, Stanwell, Staines-upon-Thames, TW19 7HP	17/01186/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include the installation of a rear facing dormer.	Lawful	21/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01186/CPD%27&history=a678b5b10c1f405a84d734711a7b4495
1477	Spelthorne Borough Council	19 Comet Road, Stanwell, Staines-upon-Thames, TW19 7HP	17/01181/FUL	Erection of a two storey detached 3 bedroom dwelling and associated parking and garden space, and subdivision of plot.	Approved	20/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01181/FUL%27&history=a678b5b10c1f405a84d734711a7b4495



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1478	Spelthorne Borough Council	58 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AJ	17/01166/HOU	Erection of single storey rear extension with flat roof including the installation of a lantern roof light	Approved	18/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01166/HOU%27&history=a678b5b10c1f405a84d734711a7b4495
1479	Spelthorne Borough Council	39 Hannibal Road, Stanwell, Staines-upon-Thames, TW19 7HG	17/01132/HOU	Erection of single storey front porch extension.	Approved	12/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01132/HOU%27&history=a678b5b10c1f405a84d734711a7b4495
1480	Spelthorne Borough Council	9 Heath Close, Stanwell, Staines-upon-Thames, TW19 7PL	17/01133/PDH	Prior approval notification for a single storey rear extension measuring 6 metres beyond the rear wall of the original dwellinghouse measuring a maximum height of 3.65 metres and a height to the eaves of 3 metres.	Prior approval is not required	12/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01133/PDH%27&history=c656c5394db34df9b91eee12e61ca3c4
1481	Spelthorne Borough Council	1 Everest Road, Stanwell, Staines-upon-Thames, TW19 7EA	17/01121/CPD	Certificate of lawfulness for the proposed development of loft alterations to include a rear facing dormer with two front roof lights.	Lawful	10/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01121/CPD%27&history=c656c5394db34df9b91eee12e61ca3c4
1482	Spelthorne Borough Council	46 Everest Road, Stanwell, Staines-upon-Thames, TW19 7ED	14/01483/CPD	Certificate of proposed development for the creation of a rear dormer	Approved	28/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01483/CPD%27&history=e24b83df671741f29b09cc0b4e5d8184
1483	Spelthorne Borough Council	5 Douglas Road, Stanwell, Staines-upon-Thames, TW19 7HD	14/01306/HOU	Erection of single storey rear extension	Approved	29/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01306/HOU%27&history=e24b83df671741f29b09cc0b4e5d8184
1484	Spelthorne Borough Council	12 Whatmore Close, Stanwell Moor, Staines-upon-Thames, TW19 6AS	14/01288/HOU	Erection of single storey side and front extensions	Approved	15/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01288/HOU%27&history=e24b83df671741f29b09cc0b4e5d8184

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1485	Spelthorne Borough Council	171 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AU	14/01199/HOU	Erection of two storey side/rear extension	Approved	03/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01199/HOU%27&history=e24b83df671741f29b09cc0b4e5d8184
1486	Spelthorne Borough Council	9 Meadow View, Stanwell Moor, Staines-upon-Thames, TW19 6BH	14/00934/HOU	Erection of a single storey side and rear extension	Approved	19/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00934/HOU%27&history=e24b83df671741f29b09cc0b4e5d8184
1487	Spelthorne Borough Council	63 St Marys Crescent, Stanwell, Staines-upon-Thames, TW19 7HU	14/00797/CPD	Certificate of Lawful Development for proposed single storey rear extension	Approved	11/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00797/CPD%27&history=0924915c77604073ba9e34c03a9b5c18
1488	Spelthorne Borough Council	36 Bedfont Road, Stanwell, Staines-upon-Thames, TW19 7LT	14/00820/HOU	Erection of single storey front extension	Approved	01/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00820/HOU%27&history=0924915c77604073ba9e34c03a9b5c18
1489	Spelthorne Borough Council	80 Hadrian Way, Stanwell, Staines-upon-Thames, TW19 7HS	14/00803/HOU	Erection of single storey rear extension	Approved	23/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00803/HOU%27&history=0924915c77604073ba9e34c03a9b5c18
1490	Spelthorne Borough Council	92 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EH	14/00802/HOU	Erection of single storey rear extension (retrospective)	Approved	22/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00802/HOU%27&history=0924915c77604073ba9e34c03a9b5c18
1491	Spelthorne Borough Council	The Stanwell Hall Hotel, 171 Town Lane, Stanwell, Staines-upon-Thames, TW19 7PW	14/00617/FUL	Proposed single storey rear extension	Approved	12/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00617/FUL%27&history=0924915c77604073ba9e34c03a9b5c18



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1492	Spelthorne Borough Council	8 Stanhope Heath, Stanwell, Staines-upon-Thames, TW19 7PH	14/00773/HOU	Removal of Condition 3 of pp ref 87/317 to allow the conversion of the existing garage to habitable accommodation	Approved	09/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00773/HOU%27&history=0924915c77604073ba9e34c03a9b5c18
1493	Spelthorne Borough Council	75 High Street, Stanwell, Staines-upon-Thames, TW19 7LJ	14/00712/CPD	Certificate of proposed development for the erection of a detached outbuilding	Approved	03/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00712/CPD%27&history=e2c5611545714cdc96029a02c7fcaea6
1494	Spelthorne Borough Council	40 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG	14/00274/FUL	Replacement roof involving gable ends and the rear facing dormer to provide habitable accommodation at first floor level	Approved	16/04/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00274/FUL%27&history=e2c5611545714cdc96029a02c7fcaea6
1495	Spelthorne Borough Council	35 St Marys Crescent, Stanwell, Staines-upon-Thames, TW19 7HY	14/00265/PDH	Prior approval notification for a single storey rear extension extending 6m beyond the rear wall of the original dwellinghouse, with a maximum height of 3m, and height of 2.6m to the eaves.	Prior approval approved	31/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00265/PDH%27&history=e2c5611545714cdc96029a02c7fcaea6
1496	Spelthorne Borough Council	28 Elizabethan Way, Stanwell, Staines-upon-Thames, TW19 7QN	14/00187/PDH	Prior approval notification for a single storey rear extension measuring 6 metres beyond the rear wall of the original dwelling house, with a maximum height of 3.5 metres and a height of 2.6 metres to the eaves.	Prior approval approved	18/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00187/PDH%27&history=e2c5611545714cdc96029a02c7fcaea6
1497	Spelthorne Borough Council	10 Stanhope Heath, Stanwell, Staines-upon-Thames, TW19 7PH	14/00164/HOU	Erection of two storey side extension with hipped roof over and erection of single storey rear extension with monopitch roof over.	Approved	31/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00164/HOU%27&history=e2c5611545714cdc96029a02c7fcaea6
1498	Spelthorne Borough Council	22 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AJ	14/00245/HOU	Erection of a single storey rear extension	Approved	31/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00245/HOU%27&history=e2c5611545714cdc96029a02c7fcaea6



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1499	Spelthorne Borough Council	<u>23 Frobisher Crescent, Stanwell, Staines-upon-Thames, TW19 7DU</u>	14/00154/HOU	Erection of a single storey rear extension	Approved	31/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00154/HOU%27&history=6d79514ff5c24c19add9c7d7eab2659d
1500	Spelthorne Borough Council	7 Hannibal Road, Stanwell, Staines-upon-Thames, TW19 7HG	13/01831/PDH	Prior approval notification for a single storey rear extension extending 6m beyond the rear wall of the original dwellinghouse, with a maximum height of 4m, and a height of 3m to the eaves.	Prior approval approved	23/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01831/PDH%27&history=6d79514ff5c24c19add9c7d7eab2659d
1501	Spelthorne Borough Council	<u>6 Gleneagles Close, Stanwell, Staines-upon-Thames, TW19 7PD</u>	13/01802/HOU	Erection of a part two storey/ part three storey side extension.	Approved	06/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01802/HOU%27&history=6d79514ff5c24c19add9c7d7eab2659d
1502	Spelthorne Borough Council	<u>The Three Crowns Public House, Long Lane, Stanwell, Staines-upon-Thames, TW19 7AU</u>	13/01800/FUL	Demolition of existing building and redevelopment of the site to provide 14 residential units (2 no. 1-bed, 8 no. 2-bed, 2 no. 3-bed and 2 no. 4-bed), together with associated access, parking and landscaping.	Approved	18/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01800/FUL%27&history=6d79514ff5c24c19add9c7d7eab2659d
1503	Spelthorne Borough Council	80 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LB	13/01775/HOU	Erection of a detached outbuilding at rear	Approved	12/02/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01775/HOU%27&history=6d79514ff5c24c19add9c7d7eab2659d
1504	Spelthorne Borough Council	<u>The Stanwell Hotel, 171 Town Lane, Stanwell, Staines-upon-Thames, TW19 7PW</u>	13/01769/FUL	Erection of a replacement glazed entrance to be used as a reception area and associated hard landscaping.	Approved	29/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01769/FUL%27&history=2a07e3d74cba49d2b2cbb0a559d83a64
1505	Spelthorne Borough Council	<u>18 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG</u>	13/01770/HOU	Erection of a two-storey side extension	Approved	27/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01770/HOU%27&history=2a07e3d74cba49d2b2cbb0a559d83a64



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1506	Spelthorne Borough Council	<u>18 Heath Close, Stanwell, Staines-upon-Thames, TW19 7PL</u>	13/01741/HOU	Erection of a single storey side extension and front entrance porch	Approved	10/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01741/HOU%27&history=2a07e3d74cba49d2b2cbb0a559d83a64
1507	Spelthorne Borough Council	<u>10 Stanhope Heath, Stanwell, Staines-upon-Thames, TW19 7PH</u>	13/01301/HOU	Erection of two storey side extension with hipped roof over and erection of single storey rear extension	Approved	11/11/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01301/HOU%27&history=a1012cb11c404548bada4e35995e8eff
1508	Spelthorne Borough Council	Kestrel, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AE	13/01254/CLD	Certificate of Lawfulness for the retention of various buildings, sheds, marquee-style structures, pool cover and hardstanding for car park	Approved	30/09/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01134/LBC%27&history=a1012cb11c404548bada4e35995e8eff
1509	Spelthorne Borough Council	<u>34 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG</u>	13/01133/HOU	Planning Permission for the erection of an outbuilding with basement for storage beneath outbuilding (amendment to recently approved consents 12/00442/HOU, 11/00687/HOU)	Approved	30/09/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01133/HOU%27&history=a1012cb11c404548bada4e35995e8eff
1510	Spelthorne Borough Council	<u>120 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EH</u>	13/01114/HOU	Erection of part two storey, part single storey rear extension	Approved	01/04/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01114/HOU%27&history=a1012cb11c404548bada4e35995e8eff
1511	Spelthorne Borough Council	<u>16 Stanhope Heath, Stanwell, Staines-upon-Thames, TW19 7PH</u>	13/01033/RVC	Removal of condition 5 of planning permission 10/00150/HOU (for the erection of a two storey side extension with pitched roof over and the conversion of the loft to form habitable accommodation) to enable the extension to be occupied as a separate dwelling.	Appeal in progress		http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01033/RVC%27&history=a1012cb11c404548bada4e35995e8eff
1512	Spelthorne Borough Council	<u>58 Park Road, Stanwell, Staines-upon-Thames, TW19 7NY</u>	13/00837/HOU	Erection of part first floor, part single storey rear extension and first floor side extension	Approved	15/11/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00837/HOU%27&history=388bef111d0c4e5c8f0469d57e157a29

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1513	Spelthorne Borough Council	83 Benen-Stock Road, Stanwell Moor, Staines-upon-Thames, TW19 6AN	13/00773/HOU	Erection of single storey side extension	Approved	23/07/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00773/HOU%27&history=388bef111d0c4e5c8f0469d57e157a29
1514	Spelthorne Borough Council	34 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG	13/00773/HOU	Renewal of listed building consent 10/00720/LBC for the erection of 2 no. 3 bed cottages with associated parking and amenity space and single garage attached to cottage 1	Approved	02/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00806/REN%27&history=388bef111d0c4e5c8f0469d57e157a29
1515	Spelthorne Borough Council	34 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG	13/00805/REN	Renewal of planning permission 10/00719/FUL for the erection of 2 no. 3 bed cottages with associated parking and amenity space and single garage attached to cottage 1	Approved	02/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00805/REN%27&history=388bef111d0c4e5c8f0469d57e157a29
1516	Spelthorne Borough Council	37 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7JU	13/00774/FUL	Erection of two storey rear extension and change of use of property to form 4 no. 1 bedroom flats and provision of 6 car parking spaces.	Approved	27/09/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00774/FUL%27&history=388bef111d0c4e5c8f0469d57e157a29
1517	Spelthorne Borough Council	Land at Town Farm Primary School, St Marys Crescent, Stanwell, Staines, Middlesex TW19 7HU	SP13/00723/SCC	Installation of single storey modular building to accommodate nursery and associated hard surfaced areas and fencing for a temporary period of seven years.	Approved	24/07/2013	https://planning.surreycc.gov.uk/planappdisp.aspx?Appno=SCC%20Ref%202013/0069
1518	Spelthorne Borough Council	44 Park Road, Stanwell, Staines-upon-Thames, TW19 7NY	13/00645/HOU	Erection of single storey rear extension	Approved	12/07/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00645/HOU%27&history=388bef111d0c4e5c8f0469d57e157a29
1519	Spelthorne Borough Council	32 Stanwell Gardens, Stanwell, Staines-upon-Thames, TW19 7JY	13/00564/HOU	Erection of part single storey front extension with conversion of garage into a habitable room and single storey rear extension	Approved	13/06/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00564/HOU%27&history=f9d81b2bda9346379fccccd4209e4521c
1520	Spelthorne Borough Council	20 St Marys Crescent, Stanwell, Staines-upon-Thames, TW19 7HX	13/00459/CPD	Certificate of proposed development for the installation of rear dormer, and 3 no. velux rooflights on the front roof slope	Approved	04/06/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00459/CPD%27&history=f9d81b2bda9346379fccccd4209e4521c



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							e=planningpublisher.aspx&Filter=^REFVAL^=%2713/00459/CPD%27&history=f9d81b2bda9346379fcccc4209e4521c
1521	Spelthorne Borough Council	9 Douglas Road, Stanwell, Staines-upon-Thames, TW19 7HD	13/00305/HOU	Erection of a conservatory at rear	Approved	22/05/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00305/HOU%27&history=f9d81b2bda9346379fcccc4209e4521c
1522	Spelthorne Borough Council	<u>The Mill, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6BJ</u>	13/00277/FUL	Creation of a new pedestrian entrance by the insertion of an external door and additional window	Approved	30/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00277/FUL%27&history=f9d81b2bda9346379fcccc4209e4521c
1523	Spelthorne Borough Council	<u>Cosy Corner, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6BD</u>	13/00242/HOU	Erection of a 1.74m high wooden fence (retrospective application)	Approved	02/05/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00242/HOU%27&history=f9d81b2bda9346379fcccc4209e4521c
1524	Spelthorne Borough Council	89 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP	13/00230/FUL	Erection of single storey rear extension, installation of new shop front, erection of 2 no. air conditioning units and 2 no. satellite dishes	Approved	08/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00230/FUL%27&history=f9d81b2bda9346379fcccc4209e4521c
1525	Spelthorne Borough Council	89 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP	13/00231/COU	Change of use from B1 (office) to A2 betting shop	Approved	08/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00231/COU%27&history=f9d81b2bda9346379fcccc4209e4521c
1526	Spelthorne Borough Council	<u>89 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP</u>	13/00229/ADV	Advertisement Consent for the installation of 1 No. internally illuminated fascia sign and 1 no. internally illuminated projecting sign.	Approved	08/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00229/ADV%27&history=f9d81b2bda9346379fcccc4209e4521c
1527	Spelthorne Borough Council	<u>120 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EH</u>	13/00205/HOU	Erection of single storey rear extension	Approved	16/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00205/HOU%27&history=f9d81b2bda9346379fcccc4209e4521c



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							er=^REFVAL^=%2713/00205/HOU%27&history=6038b5a98f6a4691ba03970737d2094d
1528	Spelthorne Borough Council	46 Park Road, Stanwell, Staines-upon-Thames, TW19 7NY	13/00174/HOU	Erection of a single-storey front extension	Approved	02/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00174/HOU%27&history=6038b5a98f6a4691ba03970737d2094d
1529	Spelthorne Borough Council	25 Trinity Close, Stanwell, Staines-upon-Thames, TW19 7PR	13/00044/HOU	Erection of a single storey side/rear extension and conversion of existing store into habitable accomodation	Approved	21/03/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00044/HOU%27&history=6038b5a98f6a4691ba03970737d2094d
1530	Spelthorne Borough Council	119 - 121 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP		Change of use of offices to 5 no flats (incorporating 2 x 1 bed, 2 x 2bed and 1 x 3 bed flats over 3 floors) with associated parking and amenity space.	Approved	01/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01212/HOU%27&history=f933af08dfc9434cb3872170280a0f39
1531	Spelthorne Borough Council	265 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AZ	16/01212/HOU	Demolition of existing garage and erection of a single storey rear and side extension	Approved	01/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01212/HOU%27&history=f933af08dfc9434cb3872170280a0f39
1532	Spelthorne Borough Council	205 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EF	16/01192/HOU	Erection of a single storey side extension	Approved	14/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tmplt&requestType=parseTemplate&usesearch=true&order=DATEAPREC%3ADESCENDING&q%3ALIKE=&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=DEC&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=STAN&DATEAPREC%3AFROM%3ADATE=&DATEAPVAL%3AFROM%3ADATE=01%2F01%2F2015&DATEAPVAL%3ATO%3ADATE=31%2F07%2F2016&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1533	Spelthorne Borough Council	<u>31 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG</u>	16/01173/HOU	Erection of a single storey rear extension and a detached outbuilding.	Approved	09/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01173/HOU%27&history=f933af08dfc9434cb3872170280a0f39
1534	Spelthorne Borough Council	<u>29 Hannibal Road, Stanwell, Staines-upon-Thames, TW19 7HG</u>	16/01066/HOU	Erection of a single storey front extension and single storey rear extension, following removal of existing rear conservatory	Approved	19/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01066/HOU%27&history=f933af08dfc9434cb3872170280a0f39
1535	Spelthorne Borough Council	<u>4 St Marys Crescent, Stanwell, Staines-upon-Thames, TW19 7HX</u>	16/01048/HOU	Erection of a single storey side and rear extension	Approved	19/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01048/HOU%27&history=f933af08dfc9434cb3872170280a0f39
1536	Spelthorne Borough Council	<u>253 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AZ</u>	16/00953/CPD	Certificate of proposed development for the installation of a rear dormer window	Approved	22/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00953/CPD%27&history=c045be8074ef4b019375b648e7c989fe
1537	Spelthorne Borough Council	<u>The Mill, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6BJ</u>	16/00958/FUL	Demolition of existing building to rear of mill and erection of a new warehouse building.	Approved	24/11/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00958/FUL%27&history=c045be8074ef4b019375b648e7c989fe
1538	Spelthorne Borough Council	<u>23 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AH</u>	16/00895/HOU	Erection of a single storey rear extension	Approved	09/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00895/HOU%27&history=c045be8074ef4b019375b648e7c989fe
1539	Spelthorne Borough Council	<u>28 Hadrian Way, Stanwell, Staines-upon-Thames, TW19 7HF</u>	16/00883/CPD	Certificate of lawful development for the creation of a rear dormer and installation of rooflights in front roofslope	Approved	28/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00883/CPD%27&history=c045be8074ef4b019375b648e7c989fe



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1540	Spelthorne Borough Council	265 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AZ	16/00769/HOU	Erection of a single storey rear and side extension incorporating the existing garage and converting it to form habitable accommodation	Approved	07/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00769/HOU%27&history=c045be8074ef4b019375b648e7c989fe
1541	Spelthorne Borough Council	<u>Stanwell Mini Market, 31 High Street, Stanwell, Staines-upon-Thames, TW19 7LJ</u>	16/00575/FUL	Retention of existing security shutters and new shop front (retrospective application)	Approved	03/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00575/FUL%27&history=537951112bfb410eb5ac31e992058ff1
1542	Spelthorne Borough Council	<u>Petrol Filling Station, Southern Perimeter Road, Heathrow, Hounslow, London Borough Of Hillingdon, TW6 3PF</u>	16/00541/FUL	Retention of ATM machine installed in free standing purpose built secure room. Display of ATM fascia and other associated advertisements.	Approved	12/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00541/FUL%27&history=537951112bfb410eb5ac31e992058ff1
1543	Spelthorne Borough Council	<u>Petrol Filling Station, Southern Perimeter Road, Heathrow, Hounslow, London Borough Of Hillingdon, TW6 3PF</u>	16/00542/ADV	Display of ATM fascia and other associated advertisements	Approved	12/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00542/ADV%27&history=537951112bfb410eb5ac31e992058ff1
1544	Spelthorne Borough Council	<u>119-121 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP</u>	16/00562/FUL	Erection of second floor over existing to provide 1 no. 1 bed flat.	Approved	25/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00562/FUL%27&history=537951112bfb410eb5ac31e992058ff1
1545	Spelthorne Borough Council	<u>97 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP</u>	16/00486/FUL	Proposed change of use from A1 (retail) to Sui Generis (nail and beauty salon)	Approved	20/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00486/FUL%27&history=537951112bfb410eb5ac31e992058ff1
1546	Spelthorne Borough Council	<u>26 Hadrian Way, Stanwell, Staines-upon-Thames, TW19 7HF</u>	16/00456/CPD	Application for a certificate of lawfulness for proposed single storey side extension.	Approved	16/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00456/CPD%27&history=537951112bfb410eb5ac31e992058ff1



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1547	Spelthorne Borough Council	<u>22 Cordelia Road, Stanwell, Staines-upon-Thames, TW19 7EL</u>	16/00480/PDH	Prior Approval notification for a single storey rear extension extending 4.85m beyond the rear wall of the original dwellinghouse with a maximum height of 3.1m and height of 2.93m to the eaves.	Prior approval not required	29/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00480/PDH%27&history=537951112bfb410eb5ac31e992058ff1
1548	Spelthorne Borough Council	15 Stanwell Gardens, Stanwell, Staines-upon-Thames, TW19 7JY	16/00336/CPD	Application for a Certificate of Lawfulness for the Proposed Development of a hip to gable roof alteration with a rear dormer and installation of two rooflights in the front elevation	Approved	18/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00336/CPD%27&history=6efcd200acc74715af46e6177f23d608
1549	Spelthorne Borough Council	<u>BP Stanwell, Petrol Filling Station, Bedfont Road, Stanwell, Staines-upon-Thames, TW19 7LU</u>	16/00302/FUL	External refurbishment to the existing forecourt shop	Approved	28/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00302/FUL%27&history=6efcd200acc74715af46e6177f23d608
1550	Spelthorne Borough Council	<u>89 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP</u>	16/00305/FUL	Change of use from A1 (printers) to sui generis (beauty salon)	Approved	14/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00305/FUL%27&history=6efcd200acc74715af46e6177f23d608
1551	Spelthorne Borough Council	<u>43 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU</u>	16/00281/HOU	Erection of two storey side extension and single storey front extension following demolition of existing conservatory.	Approved	29/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00281/HOU%27&history=6efcd200acc74715af46e6177f23d608
1552	Spelthorne Borough Council	3 Roberts Close, Stanwell, Staines-upon-Thames, TW19 7NN	16/00265/HOU	Conversion of garage to habitable room.	Approved	26/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00265/HOU%27&history=6efcd200acc74715af46e6177f23d608
1553	Spelthorne Borough Council	<u>1 Maisie Webster Close, Stanwell, Staines-upon-Thames, TW19 7PY</u>	16/00256/FUL	Erection of a first floor side extension over the existing single storey side extension to create an additional three bedrooms. Change of use to a nine bedroom house in multiple occupation (sui generis) and relaxation of condition 3 of planning permission SPW/FUL/86/684 to allow the conversion of the garage to habitable accommodation (retrospective) (AMENDED DESCRIPTION)	Approved	17/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00256/FUL%27&history=6efcd200acc74715af46e6177f23d608



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1554	Spelthorne Borough Council	<u>4 St Marys Crescent, Stanwell, Staines-upon-Thames, TW19 7HX</u>	16/00220/PDH	Prior approval notification for a single storey rear extension extending 4.3m beyond the rear wall of the original dwellinghouse with a maximum height of 3m and height of 2.85m to the eaves	Approved	24/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00220/PDH%27&history=6efcd200acc74715af46e6177f23d608
1555	Spelthorne Borough Council	<u>Stanwell Fields Church Of England School, Clare Road, Stanwell, Staines-upon-Thames, TW19 7DB</u>	16/00178/FUL	Erection of single storey extension to provide additional classroom space	Approved	05/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00178/FUL%27&history=53c41e4dfa604ca08ecf49dd793c893f
1556	Spelthorne Borough Council	<u>19 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG</u>	16/00153/HOU	The installation of a dropped kerb	Approved	21/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00153/HOU%27&history=53c41e4dfa604ca08ecf49dd793c893f
1557	Spelthorne Borough Council	<u>Clare Road Post Office, 113 Clare Road, Stanwell, Staines-upon-Thames, TW19 7QP</u>	16/00098/FUL	Erection of a single storey rear extension	Approved	18/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00098/FUL%27&history=53c41e4dfa604ca08ecf49dd793c893f
1558	Spelthorne Borough Council	<u>168 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6BB</u>	16/00062/RVC	Variation of condition 8 of planning approval 14/01724/FUL to amend plans concerned with minor alterations to approved scheme to reflect revised roof design, with front and rear dormer windows and retention of existing car por	Approved	22/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00062/RVC%27&history=53c41e4dfa604ca08ecf49dd793c893f
1559	Spelthorne Borough Council	<u>1 Elizabethan Close, Stanwell, Staines-upon-Thames, TW19 7QL</u>	16/00076/HOU	Retention of existing single storey rear extension with proposed alterations to create an amended roof design	Approved	20/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00076/HOU%27&history=53c41e4dfa604ca08ecf49dd793c893f
1560	Spelthorne Borough Council	<u>The Stanwell Hotel, 171 Town Lane, Stanwell, Staines-upon-Thames, TW19 7PW</u>	13/01769/AMD	Minor Amendment	Approved	06/01/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01769/AMD%27&history=dda44566ac4d4077aee69658e120d813



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1561	Spelthorne Borough Council	15 Comet Road, Stanwell, Staines-upon-Thames, TW19 7HP	15/01604/HOU	Erection of single storey side/rear extension following demolition of the existing garage.	Approved	08/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01604/HOU%27&history=dda44566ac4d4077aee69658e120d813
1562	Spelthorne Borough Council	16 Frobisher Crescent, Stanwell, Staines-upon-Thames, TW19 7DX	15/01598/HOU	Erection of a single storey rear extension following the demolition of the existing outbuilding.	Approved	20/01/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01598/HOU%27&history=dda44566ac4d4077aee69658e120d813
1563	Spelthorne Borough Council	Southside, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6BD	15/01593/RVC	Section 73 application to vary condition 3 of planning permission 15/00006/HOU (approved plan numbers) to allow the creation of pitched roofs over the proposed dormers.	Approved	19/01/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01593/RVC%27&history=dda44566ac4d4077aee69658e120d813
1564	Spelthorne Borough Council	4B Russet Close, Stanwell Moor, Staines-upon-Thames, TW19 6AX	15/01577/HOU	Erection of a two storey side extension following the demolition of the existing garage	Approved	27/01/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01577/HOU%27&history=dda44566ac4d4077aee69658e120d813
1565	Spelthorne Borough Council	5 Cordelia Road, Stanwell, Staines-upon-Thames, TW19 7EJ	15/01549/PDH	Prior approval notification for a single storey rear extension extending 6 metres beyond the rear wall of the original dwelling house with a maximum height of 3.93 metres and a height of 2.40 metres to the eaves	Prior approval Approved	11/01/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01549/PDH%27&history=dda44566ac4d4077aee69658e120d813
1566	Spelthorne Borough Council	28 St Marys Avenue, Stanwell, Staines-upon-Thames, TW19 7JA	15/01426/HOU	Erection of a part single, part two storey side extension and a single storey rear extension	Approved	10/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01426/HOU%27&history=dda44566ac4d4077aee69658e120d813
1567	Spelthorne Borough Council	28 St Marys Avenue, Stanwell, Staines-upon-Thames, TW19 7JA	15/01440/PDH	Prior approval notification for a single storey rear extension extending 6m beyond the rear wall of the original dwellinghouse, with a maximum height of 3.477, and 3.00m to the eaves	Approved	03/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01440/PDH%27&history=dda44566ac4d4077aee69658e120d813



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1568	Spelthorne Borough Council	<u>202 Clare Road, Stanwell, Staines-upon-Thames, TW19 7EQ</u>	15/01373/HOU	Erection of a single storey rear conservatory.	Approved	15/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01373/HOU%27&history=16ccf1a715b04669a28f94dced5ed078
1569	Spelthorne Borough Council	<u>2 Lindsay Close, Stanwell, Staines-upon-Thames, TW19 7LF</u>	15/01342/HOU	Erection of single storey side/front extension following demolition of existing garage	Approved	30/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01342/HOU%27&history=16ccf1a715b04669a28f94dced5ed078
1570	Spelthorne Borough Council	<u>44 Benen-Stock Road, Stanwell Moor, Staines-upon-Thames, TW19 6AW</u>	15/01225/HOU	Erection of a part two storey part single storey side extension.	Approved	10/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01225/HOU%27&history=16ccf1a715b04669a28f94dced5ed078
1571	Spelthorne Borough Council	<u>94 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AT</u>	15/01234/HOU	Erection of single storey side extension and conversion of integral garage to habitable room.	Approved	03/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01234/HOU%27&history=16ccf1a715b04669a28f94dced5ed078
1572	Spelthorne Borough Council	<u>1 Farm Way, Stanwell Moor, Staines-upon-Thames, TW19 6AY</u>	15/01268/FUL	Erection of two semi-detached dwellings following demolition of existing bungalow.	Approved	02/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01268/FUL%27&history=16ccf1a715b04669a28f94dced5ed078
1573	Spelthorne Borough Council	<u>7 Lindsay Close, Stanwell, Staines-upon-Thames, TW19 7LF</u>	15/01126/HOU	Erection of a single storey side extension following demolition of existing garage to provide disabled accommodation at ground floor level.	Approved	13/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01126/HOU%27&history=18810083a241b5b06504390ac17ee5
1574	Spelthorne Borough Council	90 Town Lane, Stanwell, Staines-upon-Thames, TW19 7PE	15/01094/PDH	Prior approval notification for a single storey rear extension measuring 8 metres beyond the rear of the original dwelling house, measuring a maximum height of 3.45 metres and a height to the eaves of 2.55 metres.	Prior approval not required	21/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01094/PDH%27&history=18810083a241b5b06504390ac17ee5



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1575	Spelthorne Borough Council	<u>32 Elizabethan Way, Stanwell, Staines-upon-Thames, TW19 7QN</u>	15/01059/PDH	Prior approval notification for a single storey rear extension extending up to 5m beyond the rear wall of the original dwellinghouse, with a maximum height of 3.6m and a height of 2.6m to the eaves.	Prior approval not required	07/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01059/PDH%27&history=18810083ae241b5b06504390ac17ee5
1576	Spelthorne Borough Council	<u>88 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AT</u>	15/01046/HOU	Single storey rear extension following demolition of the existing conservatory	Approved	29/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01046/HOU%27&history=18810083ae241b5b06504390ac17ee5
1577	Spelthorne Borough Council	<u>88 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6AT</u>	15/01045/CPD	Application for a certificate of lawfulness for proposed development: loft conversion including the installation of a rear dormer and one rooflight in the existing side elevation and one rooflight in the existing front elevation	Approved	29/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01045/CPD%27&history=18810083ae241b5b06504390ac17ee5
1578	Spelthorne Borough Council	<u>Brook Cottage, 25 And 27 High Street, Stanwell, Staines-upon-Thames, TW19 7JR</u>	15/01024/LBC	Listed Building Consent for the demolition of existing pool house, garage and spa / Jacuzzi. Erection of 1 no. detached bungalow (amended). Sub division of existing Grade II Listed Building to create one additional dwelling. External works, parking and landscaping. Existing access re-used.	Approved	09/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01024/LBC%27&history=18810083ae241b5b06504390ac17ee5
1579	Spelthorne Borough Council	<u>Brook Cottage, 25 And 27 High Street, Stanwell, Staines-upon-Thames, TW19 7JR</u>		Demolition of existing pool house, garage and spa / Jacuzzi. Erection of 1 no. detached bungalow (amended). Sub division of existing Grade II Listed Building to create one additional dwelling. External works, parking and landscaping. Existing access re-used.(AMENDED PLANS & AMENDED DESCRIPTION)	Approved	06/11/2015	-
1580	Spelthorne Borough Council	<u>29 Southern Cottages, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 6AG</u>	15/01014/HOU	Erection of a detached garage in the rear garden.	Approved	21/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01014/HOU%27&history=18810083ae241b5b06504390ac17ee5
1581	Spelthorne Borough Council	<u>49 High Street, Stanwell, Staines-upon-Thames, TW19 7LJ</u>	15/01002/FUL	Amendment to planning approval 14/00016/FUL to allow a mixed use of A1 (retail), A3 (restaurant/cafe) and A5 (hot food takeaway)	Approved	21/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01002/FUL%27&history=18810083ae241b5b06504390ac17ee5
1582	Spelthorne Borough Council	<u>5 Roberts Close, Stanwell, Staines-upon-Thames, TW19 7NN</u>	15/00987/HOU	Erection of single storey rear and side extension and repositioning of existing conservatory to rear of proposed extension.	Approved	25/08/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00987/HOU%27&history=18810083ae241b5b06504390ac17ee5



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							e=planningpublisher.aspx&Filter=^REFVAL^=%2715/00987/HOU%27&history=2ad3a123809c4a18b8c0a27bad7e77b4
1583	Spelthorne Borough Council	<u>7 Everest Road, Stanwell, Staines-upon-Thames, TW19 7EA</u>	15/00975/HOU	Erection of single storey front, side and rear extension including conversion of the garage to create larger habitable accommodation	Approved	25/08/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00975/HOU%27&history=2ad3a123809c4a18b8c0a27bad7e77b4
1584	Spelthorne Borough Council	<u>7 Everest Road, Stanwell, Staines-upon-Thames, TW19 7EA</u>	15/00972/CPD	Application for a Certificate of Lawfulness for the proposed development of a loft conversion that would include a rear dormer and the installation of rooflights in the front roof slope	Approved	25/08/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00972/CPD%27&history=2ad3a123809c4a18b8c0a27bad7e77b4
1585	Spelthorne Borough Council	<u>8 Stanwell Close, Stanwell, Staines-upon-Thames, TW19 7LL</u>	15/00816/HOU	Erection of a two storey side and rear extension	Approved	12/01/2016	-
1586	Spelthorne Borough Council	<u>9 Corsair Close, Stanwell, Staines-upon-Thames, TW19 7HW</u>	15/00750/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include a hip to gable alteration, the installation of a rear dormer, and the installation of front roof lights.	Approved	22/07/2015	-
1587	Spelthorne Borough Council	<u>Stanhope House, Horton Road, Stanwell Moor, Staines-upon-Thames, TW19 7NS</u>	15/00767/HOU	Erection of two storey front and two storey side extension.	Approved	17/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00767/HOU%27&history=2ad3a123809c4a18b8c0a27bad7e77b4
1588	Spelthorne Borough Council	<u>14 Comet Road, Stanwell, Staines-upon-Thames, TW19 7HP</u>	15/00727/HOU	Erection of a single storey front side and rear extension and conversion of existing garage to a habitable room	Approved	13/07/2015	-
1589	Spelthorne Borough Council	<u>14 Comet Road, Stanwell, Staines-upon-Thames, TW19 7HP</u>	15/00728/CPD	Certificate of Proposed Development for the creation of rear dormer.	Approved	24/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00728/CPD%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1590	Spelthorne Borough Council	<u>43 Jordans Close, Stanwell, Staines-upon-Thames, TW19 7PU</u>	15/00664/HOU	Erection of two storey side extension following demolition of existing conservatory	Approved	07/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00664/HOU%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1591	Spelthorne Borough Council	<u>50 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG</u>	15/00571/PDH	Prior Approval Notification for a single storey rear extension extending 6 metres beyond the rear wall of the original house with a maximum height of 3.1 metres and a height of 2.8 metres to the eaves.	Prior approval not required	09/06/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00571/PDH%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1592	Spelthorne Borough Council	<u>North Surrey Primary Care Trust, St Davids Health Centre, Hadrian Way, Stanwell, Staines-upon-Thames, TW19 7HT</u>	15/00559/FUL	Demolition of existing buildings and the erection of 12 dwellings in a mix of 1 and 2 bedroom apartments and 2 and 3 bedroom houses, with associated landscaping, parking and accesses	Approved	30/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00559/FUL%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1593	Spelthorne Borough Council	<u>26 Oaks Road, Stanwell, Staines-upon-Thames, TW19 7LG</u>	15/00388/HOU	Erection of single storey rear conservatory.	Approved	12/05/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00388/HOU%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1594	Spelthorne Borough Council	<u>100 High Street, Stanwell, Staines-upon-Thames, TW19 7JS</u>	15/00361/HOU	Replacement of existing timber windows and external doors with UPVC windows and doors designed to mirror existing.	Approved	08/05/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00361/HOU%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1595	Spelthorne Borough Council	<u>144 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6BB</u>	15/00352/HOU	Erection of single storey side and rear extensions, front porch and new roof over existing garage. Conversion of garage to habitable accommodation (retrospective).	Approved	10/08/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00352/HOU%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1596	Spelthorne Borough Council	<u>50 - 52 High Street, Stanwell, Staines-upon-Thames, TW19 7JS</u>	15/00337/FUL	Change of use from retail (A1) to financial and professional services (A2) on a permanent basis.	Approved	29/04/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00337/FUL%27&history=b4d7fb4aa9d9496bae1f53e3e53a9f80
1597	Spelthorne Borough Council	<u>168 Hithermoor Road, Stanwell Moor, Staines-upon-Thames, TW19 6BB</u>	14/01724/HOU	Erection of first and ground floor extensions to create two storey house with new detached double garage	Approved	04/04/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01724/HOU%27&history=73b0adaac96b48cf9458faea6bafd6f5



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1598	Spelthorne Borough Council	18 Trinity Close, Stanwell, Staines-upon-Thames, TW19 7PR	14/01698/PDH	Prior Approval Notification for a single storey rear extension, extending 3.5 metres beyond the rear wall of the original dwellinghouse, with a maximum height of 4 metres and a height to eaves of 3 metres	Prior approval not required	01/12/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01698/PDH%27&history=08ad9feabd bc49da96bc648dc67a9aa0
1599	Spelthorne Borough Council	34 Chattern Road, Ashford, TW15 1AF	14/02036/PDH	Prior Approval notification for a single storey rear extension extending 8m beyond the rear wall of the original dwellinghouse, with a maximum height of 3m and height of 3m to the eaves	prior approval granted	24/12/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/02036/PDH%27&history=fdee5f06e6 2e48d5a73b6daa59432a7e
1600	London Borough of Hounslow	1-3 MARNELL WAY HOUNSLOW LONDON TW4 7LZ	P/2015/2132	Erection of a single storey outbuilding	Appeal granted	17/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2132
1601	London Borough of Hounslow	41 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NH	P/2015/3517	Retrospective application for the erection of a single storey outbuilding	Appeal granted	21/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3517
1602	London Borough of Hounslow	33 GREAT SOUTH WEST ROAD HOUNSLOW LONDON TW4 7NH	P/2015/3513	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Approved	08/10/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3513
1603	London Borough of Hounslow	17 BEAVERS LANE HOUNSLOW LONDON TW4 6EH	P/2015/5346	Erection of a two storey side and a single storey rear extension	Approved	17/02/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/5346
1604	London Borough of Hounslow	31 BEAVERS LANE HOUNSLOW LONDON TW4 6EH	P/2016/1947	Certificate of Lawfulness for the use of a room in the house for running a private hire chauffeur service.	Approved	26/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1947
1605	London Borough of Hounslow	MAPLE GROVE BUSINESS CENTRE LAWRENCE ROAD HOUNSLOW LONDON TW4 6DR	P/2016/2207	The installation of traffic barrier to control access to business park	Approved	01/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2207
1606	London Borough of Hounslow	UNIT 6 FREEHOLD INDUSTRIAL CENTRE AMBERLEY WAY HOUNSLOW TW4 6BX	P/2016/2539	Change of use from warehouse/store to garage workshop and MOT station	Approved	05/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2539
1607	London Borough of Hounslow	41 - 63 OPOSSUM WAY HOUNSLOW LONDON TW4 7PA	P/2016/2733	Replacement of communal entrance doors	Approved	15/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2733
1608	London Borough of Hounslow	17 - 39 OPOSSUM WAY HOUNSLOW LONDON TW4 7PA	P/2016/2732	Replacement of communal entrance doors	Approved	17/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2732
1609	London Borough of Hounslow	35 - 57 SQUIRREL CLOSE HOUNSLOW LONDON TW4 7NU	P/2016/2741	Replacement of communal entrance doors	Approved	17/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2741



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1610	London Borough of Hounslow	138-160 CHINCHILLA DRIVE HOUNSLOW TW4 7NP	P/2016/2867	Replacement of communal entrance doors	Approved	15/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2867
1611	London Borough of Hounslow	12-34 CHINCHILLA DRIVE HOUNSLOW TW4 7NP	P/2016/2864	Replacement of communal entrance doors	Approved	15/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2864
1612	London Borough of Hounslow	98-120 CHINCHILLA DRIVE HOUNSLOW TW4 7NP	P/2016/2866	Replacement of communal entrance doors	Approved	15/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2866
1613	London Borough of Hounslow	11-33 SQUIRREL CLOSE HOUNSLOW TW4 7NX	P/2016/2868	Replacement of communal entrance doors	Approved	15/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2868
1614	London Borough of Hounslow	64 GREAT SOUTH-WEST ROAD HOUNSLOW TW4 7NF	P/2017/0416	Certificate of Lawfulness for existing self contained flat at rear of house	Approved	28/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0416
1615	London Borough of Hounslow	12 KINGSTON AVENUE FELTHAM LONDON TW14 9SL	P/2015/4995	Retrospective application for a single storey outbuilding in the rear garden for use as a gym, together with alterations to the roof height	Approved	20/01/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4995
1616	London Borough of Hounslow	UNIT D1 TAMIAN WAY HOUNSLOW TW4 6BL	P/2017/1137	Retrospective application for the change of use from Non-Residential Institution (Class D1) to General Industrial (Class B2) and the retention of existing plant equipment	Approved	11/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1137
1617	London Borough of Hounslow	VISTA Centre 50 SALISBURY ROAD HOUNSLOW TW4 6JQ	PA/2017/1537	Prior notification for change of use from office to 50 residential units	Prior approval is not required	05/06/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/1537
1618	Slough Borough Council	21 MARNELL WAY HOUNSLOW TW4 7LZ	P/2017/2206	Certificate Lawfulness for erection of a rear roof extension with two roof windows to front elevation	Approved	31/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2206
1619	Slough Borough Council	18 - 21 SKYNET HOUSE PULBOROUGH WAY HOUNSLOW TW4 6DE	P/2017/2894	Erection of a single storey extension to the southwest elevation of the existing warehouse	Approved	11/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2894
1620	Slough Borough Council	21 MARNELL WAY HOUNSLOW LONDON TW4 7LZ	PA/2017/3071	Ground floor rear extension 5m deep, 2.8m high to the eaves with the maximum height of 2.8m.	Prior approval is not required	24/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3071
1621	Slough Borough Council	18 VINCENT ROAD HOUNSLOW TW4 7LJ	P/2017/3559	Certificate of lawfulness for erection of a rear roof extension with hip to gable conversion and two roof windows to front elevation and erection of an outbuilding to rear garden for use as gym and storage	Approved	16/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3559
1622	Slough Borough Council	STEYNING WAY HOUNSLOW LONDON TW4 6DL	P/2017/3562	Outline application for the demolition of existing buildings and replacement with new building or buildings up to 12 metres in height and at total floor area of up to 6,170 square metres and for B1c/B2/B8 uses with all matters reserved.	In progress	17/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3562
1623	Slough Borough Council	6 WILTON ROAD HOUNSLOW TW4 7LP	P/2017/4237	Certificate of Lawfulness for erection of a rear roof extension with two roof windows to front elevation.	Approved	18/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4237
1624	Slough Borough Council	AERO TURBINE CENTRE 109 GREEN LANE HOUNSLOW TW4 6DF	P/2017/4285	Extension to existing warehouse	Approved	08/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4285
1625	Slough Borough Council	6 LAWRENCE ROAD HOUNSLOW LONDON TW4 6DN	P/2017/4552	Certificate of Lawfulness for retrospective use of the premises as vehicle repair shop (B2 use)	In progress	26/10/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4552

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1626	Slough Borough Council	VISTA BUSINESS CENTRE 50 SALISBURY ROAD HOUNSLOW TW4 6JQ	P/2017/4685	Construction of three multi-storey staircase, lift and access cores on existing building and creation of nine flats with balconies and office space. (Amended Plans)	In progress	02/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4685
1627	Slough Borough Council	8 WILTON ROAD HOUNSLOW TW4 7LP	P/2017/4691	Certificate of lawfulness for existing single storey rear extension and ancillary gym/store building in the rear garden	Approved	21/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4691
1628	Slough Borough Council	32 VINCENT ROAD HOUNSLOW TW4 7LJ	PA/2017/5068	Ground floor rear extension 6 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior approval is not required	12/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/5068
1629		75 SALISBURY ROAD HOUNSLOW TW4 7NW	P/2018/0007	Change of use from A1 (Retail) to a Tanning Salon (Sui Generis)	In progress	28/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0007
1630	Slough Borough Council	50 VISTA BUSINESS CENTRE SALISBURY ROAD HOUNSLOW LONDON TW4 6JQ	P/2018/0500	Certificate of lawfulness for office space	In progress	02/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0500
1631	Spelthorne Borough Council	Ashford Sports Club, Short Lane, Stanwell, Staines-upon-Thames, TW19 7BQ	14/01579/FUL	Construction of new 3 bay cricket net facility with associated netting and astroturf surface, to be located adjacent to MUGA, following removal of existing cricket nets	Approved	10/09/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01579/FUL%27&history=dd21798f5a5d4fadbc55f3cd13ca762f
1632	Spelthorne Borough Council	14 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AA	15/00858/HOU	Erection of a single storey side/rear extension.	Approved	18/06/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00858/HOU%27&history=3df6096169a444a4a45803953890e73c
1633	Spelthorne Borough Council	9 Laburnum Way, Stanwell, Staines-upon-Thames, TW19 7SQ	15/00597/DEM	Prior notification for the demolition of existing residential buildings located at 56 & 58 Long Lane, 9 & 11 Laburnum Way, 10 & 12 Laburnum Way, 14 & 16 Laburnum Way and 2 & 4 Holywell Way.	Approved	28/04/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00597/DEM%27&history=35d49759383c4305b97f097b35af18c1
1634	Spelthorne Borough Council	22 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AA	16/01572/HOU	Erection of a single storey front, side and rear extension	Approved	19/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01572/HOU%27&history=306c3ff3f6e947108f6948e81e069ecf
1635	Spelthorne Borough Council	Communication Station At, Ashford Sports Club, Short Lane, Stanwell, Staines-upon-Thames, TW19 7BQ	17/00950/FUL	Removal of existing mast and erection of a new 25 metre high lattice-style mast, relocation of existing antennas and dish, installation of new antennas, installation of ground based radio equipment housing and other associated works	Approved	07/06/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00950/

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1636	London Borough of Hounslow	Vista Centre 50 Salisbury Road Hounslow London TW4 6JH	P/2013/0253	Conversion of B1 office space at first and second floor level to 9 x Work/Live units with the erection of new glazed lobby at ground floor and associated cycle and refuse storage.	Approved	20/03/2013	-
1637	London Borough of Hounslow	26 WILTON ROAD HOUNSLOW LONDON TW4 7LP	P/2013/1353	Erection of first floor side extension to the house.	Approved	18/06/2013	-
1638	London Borough of Hounslow	17 MARNELL WAY HOUNSLOW LONDON TW4 7LZ	P/2013/1905	Conversion of existing outbuilding into a self contained residential unit with associated access.	Appeal granted	13/01/2014	-
1639	London Borough of Hounslow	VISTA BUSINESS CENTRE 50 SALISBURY ROAD HOUNSLOW LONDON TW4 6JQ	PA/2013/2769	Application for prior approval for the part conversion of the existing B1 office space (part of floors 1,4,5,8 and all of floors 2, 3,6,7,9,10) in the building into 139 self contained residential flats.	Prior Approval N/Req	24/09/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/2769
1640	London Borough of Hounslow	51 SALISBURY ROAD HOUNSLOW LONDON TW4 7NW	P/2013/2916	Retrospective application for the installation of an ATM through a glazed shop front.	Approved	15/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2916
1641	London Borough of Hounslow	51 SALISBURY ROAD HOUNSLOW LONDON TW4 7NW	P/2013/2918	Installation of an infill panel to the right of the entrance with a white laminate finished composite security panel incorporating the ATM fascia with internally illuminated acrylic cash sign to the top of the ATM fascia	Approved	15/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2918
1642	London Borough of Hounslow	18-21 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2013/3262	Redevelopment of the site to provide a 4,544.4sqm industrial/ warehouse unit B1(c), B2 or B8 use, with ancillary offices, and ancillary B1(a) office use, service yard, access, landscaping, car parking, cycle shelter, plant, fencing, bollards, CCTV and li	Approved	29/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3262
1643	London Borough of Hounslow	JOLYON HOUSE AMBERLEY WAY HOUNSLOW LONDON TW4 6BH	P/2013/3972	Certificate of Lawfulness for the proposed use of part of the premises as a minicab booking office	Lawful	16/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3972
1644	London Borough of Hounslow	27 VINCENT ROAD HOUNSLOW LONDON TW4 7LH	PA/2013/4353	Ground floor rear extension 4.5 metres deep, maximum height of 3.64 metres, 2.8 metres high to the eaves	Prior approval is not required	08/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/4353
1645	London Borough of Hounslow	18-21 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/0224	Non material amendment to allow the number of proposed electric vehicle charging spaces increased from 3 to 4, to amend the proposed layout of hard and soft landscaping to the front of the building incorporating two pedestrian accesses onto Green Lane an	Approved	14/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0224
1646	London Borough of Hounslow	5 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/0847	Non material amendment sought to planning application reference no 01275/B/P1dated 21/09/2004 for formation of a recess into the loading bays, alteration to the profile of the cladding on the side and rear elevations, roof raised in height from 8m to 9m	Approved	02/04/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0847
1647	London Borough of Hounslow	34 HASLEMERE AVENUE HOUNSLOW LONDON TW5 9UT	P/2014/1407	Erection of a single storey rear extension	Approved	12/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1407
1648	London Borough of Hounslow	59 Salisbury Road Hounslow London TW4 7NW	P/2014/1454	Change of use of the property from Class A1(Retail) use to A3 / A5 (Restaurant/takeaway)	Approved	09/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1454
1649	London Borough of Hounslow	Unit B1 36 VISTA OFFICE CENTRE 50 SALISBURY ROAD HOUNSLOW LONDON TW4 6JH	P/2014/2926	Certificate of Lawfulness for a proposed chauffeurs company office	Lawful	19/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2926

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1650	London Borough of Hounslow	202a JOLYON HOUSE AMBERLEY WAY HOUNSLOW LONDON TW4 6BH	P/2014/2931	Certificate of lawfulness for the use of the room as a chauffeur booking office.	Approved	08/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2931
1651	London Borough of Hounslow	Suite A1-38A VISTA OFFICE CENTRE 50 SALISBURY ROAD HOUNSLOW LONDON TW4 6JH	P/2014/3049	Certificate of Lawfulness for a proposed private hire chauffeur booking office	Lawful	19/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3049
1652	London Borough of Hounslow	2 MARNELL WAY HOUNSLOW LONDON TW4 7LY	PA/2014/3065	Ground floor rear extension 4.5 metres deep, 2.848 metres high to eaves with a maximum height of 2.95 metres	Prior approval is not required	22/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3065
1653	London Borough of Hounslow	Unit 60 Block A VISTA OFFICE CENTRE 50 SALISBURY ROAD HOUNSLOW LONDON TW4 6JH	P/2014/3148	Certificate of Lawfulness for a proposed chauffeur office	Lawful	09/08/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3148
1654	London Borough of Hounslow	23 VINCENT ROAD HOUNSLOW LONDON TW4 7LH	P/2014/3860	Erection of a two storey side extension to provide a new house	Approved	21/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3860
1655	London Borough of Hounslow	19 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/4397	Installation of 3x sets of built up channel letters with backlit - LED illumination to be fixed to 3x external walls	Approved	18/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4397
1656	London Borough of Hounslow	1B AMBERLEY WAY HOUNSLOW LONDON	P/2015/0053	Sub-division of existing warehouse into 4 no. self-contained units with own delivery area and parking. Erection of a single storey front extension and raising of roof level. Increased width of cross-over for deliveries and parking	Approved	22/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0053
1657	London Borough of Hounslow	THE VISTA CENTRE UNIT 11 50 SALISBURY ROAD HOUNSLOW LONDON TW4 6JQ	P/2015/0097	Certificate of Lawfulness for a proposed private hire / chauffeur office	lawful	17/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0097
1658	London Borough of Hounslow	48 MARNELL WAY HOUNSLOW LONDON TW4 7LY	P/2015/0759	Certificate of lawfulness for erection of a rear roof extension with hip to gable conversion and a roof window to front elevation.	Approved	17/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0759
1659	London Borough of Hounslow	53 MARNELL WAY HOUNSLOW LONDON TW4 7LZ	P/2015/0987	Certificate of lawfulness for the erection of a rear roof extension with hip to gable conversion.	Approved	29/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0987
1660	London Borough of Hounslow	37 MARNELL WAY HOUNSLOW LONDON TW4 7LZ	P/2015/0986	Certificate of lawfulness for the erection a hip to gable and rear roof extension to the house	Approved	22/04/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/0986
1661	London Borough of Hounslow	UNIT 3 VISTA OFFICE CENTRE 50 SALISBURY ROAD HOUNSLOW LONDON TW4 6JH	P/2015/1003	Certificate of Lawfulness for online cab booking system operator in Room 4B	Lawful	01/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1003
1662	London Borough of Hounslow	UNIT 9 FAIRWAY ESTATE FAIRWAY CLOSE HOUNSLOW LONDON TW4 6BU	P/2015/1080	Change of use from B8 (storage and distribution) to alternative B1(c) (light industrial) / B2 (general industrial) / B8 (storage and distribution) use	Approved	15/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1080
1663	London Borough of Hounslow	48 MARNELL WAY HOUNSLOW LONDON TW4 7LY	PA/2015/1500	Ground floor rear extension 3.6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior approval is not required	12/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/1500



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1664	Spelthorne Borough Council	80 Village Way, Ashford, TW15 2LB	17/01522/CPD	Certificate of lawfulness for the proposed development to include the installation of two side facing dormers.	Grant Cert Lawful Prop Use/Dev	29/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01522/CPD%27&history=04d26da7be444a98b2a3c68c88a1a10b
1665	Spelthorne Borough Council	1 Village Way, Ashford, TW15 2LA	17/01398/CPD	Certificate of lawfulness for the proposed development of a hip to gable roof alteration with a rear dormer window	Grant Cert Lawful Prop Use/Dev	04/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01398/CPD%27&history=04d26da7be444a98b2a3c68c88a1a10b
1666	Spelthorne Borough Council	2 Village Way, Ashford, TW15 2LA	17/01397/HOU	Erection of a single storey front, side and rear extension (following the demolition of the existing garage).	Approved	01/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01397/HOU%27&history=04d26da7be444a98b2a3c68c88a1a10b
1667	Spelthorne Borough Council	92 Village Way, Ashford, TW15 2JZ	17/00628/HOU	Erection of a new front porch and extension to existing bay window.	Approved	13/04/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00628/HOU%27&history=04d26da7be444a98b2a3c68c88a1a10b
1668	Spelthorne Borough Council	106 Village Way, Ashford, TW15 2JU	17/00182/HOU	Erection of single storey rear kitchen extension.	Approved	01/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00182/HOU%27&history=04d26da7be444a98b2a3c68c88a1a10b
1669	Spelthorne Borough Council	49 Village Way, Ashford, TW15 2JZ	17/00157/PDH	Prior approval notification for a single storey rear extension measuring a depth of 4.6 metres beyond the rear elevation of the original dwelling measuring a maximum height of 3.7 metres and a height of 2.6 metres to the eaves	Prior Approval Not Required	31/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00157/PDH%27&history=04d26da7be444a98b2a3c68c88a1a10b
1670	Spelthorne Borough Council	<u>130 Village Way, Ashford, TW15 2JX</u>	17/00108/HOU	Erection of a part two storey part single storey rear extension.	Approved	23/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00108/HOU%27&history=04d26da7be444a98b2a3c68c88a1a10b



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1671	Spelthorne Borough Council	40 Village Way, Ashford, TW15 2LB	17/00088/HOU	Erection of a two storey side extension and part single storey, part two storey rear extension	Approved	19/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00088/HOU%27&history=04d26da7be444a98b2a3c68c88a1a10b
1672	Spelthorne Borough Council	51 Village Way, Ashford, TW15 2JZ	16/01962/PDH	Prior approval notification for a single storey rear extension measuring a depth of 4.6 metres beyond the rear wall of the original dwelling house measuring a maximum height of 3.7 metres and a height of 2.6 metres to the eaves.	Prior Approval Not Required	28/11/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01962/PDH%27&history=04d26da7be444a98b2a3c68c88a1a10b
1673	Spelthorne Borough Council	<u>102 Village Way, Ashford, TW15 2JU</u>	16/01596/HOU	Erection of two storey rear and single storey side extension	Approved	22/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01596/HOU%27&history=2d0200933e84424a9debee6ec041680b
1674	Spelthorne Borough Council	<u>104 Village Way, Ashford, TW15 2JU</u>	16/01439/HOU	Erection of a single storey wraparound rear and side extension	Approved	26/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01439/HOU%27&history=2d0200933e84424a9debee6ec041680b
1675	Spelthorne Borough Council	40 Village Way, Ashford, TW15 2LB	16/01174/HOU	Erection of a two storey side and part two storey part single storey rear extension	Approved	07/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01174/HOU%27&history=2d0200933e84424a9debee6ec041680b
1676	Spelthorne Borough Council	<u>87 Village Way, Ashford, TW15 2JZ</u>	16/00316/PDH	Prior approval notification for a single storey rear extension measuring 4.6 metres beyond the rear wall of the original dwelling house measuring a maximum height of 3.6 metres and a height to the eaves of 2.3 metres	Prior Approval Not Required	29/02/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00316/PDH%27&history=2d0200933e84424a9debee6ec041680b
1677	Spelthorne Borough Council	<u>125 Village Way, Ashford, TW15 2JY</u>	15/00714/PDH	Prior Approval Notification for a single storey rear extension extending 4.725 metres beyond the rear wall of the original dwelling house with a maximum height of 3.125 metres and a height of 3 metres to the eaves.	Prior Notification Householder Approve	17/05/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00714/PDH%27&history=2d0200933e84424a9debee6ec041680b



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1678	Spelthorne Borough Council	<u>134 Village Way, Ashford, TW15 2JX</u>	15/00564/CPD	Certificate of Lawfulness for the proposed development of loft alterations that would include a hip to gable alteration, the installation of a rear dormer, the installation of front rooflights and a side window	Grant Cert Lawful Prop Use/Dev	22/04/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00564/CPD%27&history=2d0200933e84424a9debee6ec041680b
1679	Spelthorne Borough Council	81 Village Way, Ashford, TW15 2JZ	15/00519/HOU	Erection of single storey side and rear extension	Approved	13/04/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00519/HOU%27&history=2d0200933e84424a9debee6ec041680b
1680	Spelthorne Borough Council	<u>11 Village Way, Ashford, TW15 2LA</u>	15/00094/CPD	Certificate of lawfulness for proposed loft conversion involving 2 rooflights to front elevation and dormer extension to rear elevation.	Grant Cert Lawful Prop Use/Dev	24/01/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00094/CPD%27&history=b1f20b507e474395833781a721921ff4
1681	Spelthorne Borough Council	160 Village Way, Ashford, TW15 2JX	14/01477/HOU	Erection of a single storey side and rear extension (amendment to PA 14/00711/HOU) to provide a front porch and larger side extension in part	Approved	22/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01477/HOU%27&history=b1f20b507e474395833781a721921ff4
1682	Spelthorne Borough Council	<u>26 Village Way, Ashford, TW15 2LB</u>	14/01382/HOU	Erection of single storey side extension incorporating garage and utility room.	Approved	06/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01382/HOU%27&history=b1f20b507e474395833781a721921ff4
1683	Spelthorne Borough Council	<u>53 Village Way, Ashford, TW15 2JZ</u>	14/01267/PDH	Prior approval notification for a single storey rear extension extending 4.5m beyond the rear wall of the original dwellinghouse with a maximum height of 3.5m and a height of 2.6m to the eaves.	Prior Notification Householder Approve	24/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01267/PDH%27&history=b1f20b507e474395833781a721921ff4
1684	Spelthorne Borough Council	<u>160 Village Way, Ashford, TW15 2JX</u>	14/01027/CPD	Certificate of lawful development for a proposed hip to gable roof alteration and installation of rear facing dormer	Grant Cert Lawful Prop Use/Dev		http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/01027/CPD%27&history=b1f20b507e474395833781a721921ff4

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1685	Spelthorne Borough Council	<u>91 Village Way, Ashford, TW15 2JZ</u>	14/00917/HOU	Erection of a single storey side and rear extension (following demolition of existing garage)	Approved	04/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00917/HOU%27&history=b1f20b507e474395833781a721921ff4
1686	Spelthorne Borough Council	160 Village Way, Ashford, TW15 2JX	14/00711/HOU	Erection of a single storey side and rear extension following demolition of existing outbuildings (amended description).	Approved	10/04/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00711/HOU%27&history=b1f20b507e474395833781a721921ff4
1687	Spelthorne Borough Council	<u>101 Village Way, Ashford, TW15 2JY</u>	14/00366/HOU	Erection of single storey rear extension.	Approved	18/02/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00366/HOU%27&history=b1f20b507e474395833781a721921ff4
1688	Spelthorne Borough Council	<u>126 Village Way, Ashford, TW15 2JX</u>	14/00269/HOU	Retention of rear conservatory	Approved	10/02/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00269/HOU%27&history=b1f20b507e474395833781a721921ff4
1689	Spelthorne Borough Council	128 Village Way, Ashford, TW15 2JX	13/01636/HOU	Erection of single storey side/rear extension.	Approved	08/11/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01636/HOU%27&history=b1f20b507e474395833781a721921ff4
1690	Spelthorne Borough Council	63 Village Way, Ashford, TW15 2JZ	13/01386/PDH	Prior Approval Notification for a single-storey rear extension extending 4m beyond the rear wall of the original dwellinghouse with a maximum height of 3 metres and height of 3m to the eaves	Prior Notification Householder Approve	17/09/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01386/PDH%27&history=e6cbb72c12ef4619970bdeb01341b037
1691	Spelthorne Borough Council	<u>141 Village Way, Ashford, TW15 2JY</u>	13/01287/HOU	Erection of a two-storey rear extension, a single storey side extension and alterations to roof including raising of ridge height.	Approved	30/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01287/HOU%27&history=e6cbb72c12ef4619970bdeb01341b037



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1692	Spelthorne Borough Council	156 Village Way, Ashford, TW15 2JX	13/01185/HOU	Erection of single storey side extension with conversion of garage to habitable room	Approved	09/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01185/HOU%27&history=e6cbb72c12ef4619970bdeb01341b037
1693	Spelthorne Borough Council	<u>110 Village Way, Ashford, TW15 2JU</u>	13/01045/HOU	Erection of part two-storey, part single-storey side and rear extensions and a front entrance porch. Installation of rear dormer to form loft conversion.	Approved	18/07/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01045/HOU%27&history=e6cbb72c12ef4619970bdeb01341b037
1694	Spelthorne Borough Council	<u>46 Village Way, Ashford, TW15 2LB</u>	13/00596/HOU	Single storey side extension	Approved	23/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00596/HOU%27&history=e6cbb72c12ef4619970bdeb01341b037
1695	Spelthorne Borough Council	30 Meadway, Ashford, TW15 2TH	17/01049/CPD	Certificate of lawfulness for the proposed development of roof alterations to include a hip to gable extension, the installation of a rear dormer window and roof lights to the front.	Grant Cert Lawful Prop Use/Dev	29/06/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01049/CPD%27&history=5e9645a6af0b4abbbbf84eedd3bc55a7
1696	Spelthorne Borough Council	<u>40 Meadway, Ashford, TW15 2TH</u>	16/01802/PDH	Prior Approval notification for the erection of a single storey rear extension extending 4.3m beyond the rear wall of the original dwellinghouse with a maximum height of 3.75m and height of 2.98m to the eaves.	Prior Approval Not Required	31/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01802/PDH%27&history=5e9645a6af0b4abbbbf84eedd3bc55a7
1697	Spelthorne Borough Council	23 Meadway, Ashford, TW15 2TJ	16/00258/CPD	Certificate of proposed development for the creation of 1 no. side dormer window and installation of rooflights	Grant Cert Lawful Prop Use/Dev	18/02/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00258/CPD%27&history=5e9645a6af0b4abbbbf84eedd3bc55a7
1698	Spelthorne Borough Council	<u>8 Meadway, Ashford, TW15 2TH</u>	15/01357/PDH	Prior approval notification for a single storey rear extension extending 4.5m beyond the rear wall of the original dwellinghouse, with a maximum height of 3.8m and height of 2.6m to the eaves.	Prior Approval Not Required	12/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01357/PDH%27&history=5e9645a6af0b4abbbbf84eedd3bc55a7



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Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1699	Spelthorne Borough Council	41 Meadway, Ashford, TW15 2TJ	13/01129/HOU	Erection of single storey side/rear extension	Approved	02/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01129/HOU%27&history=74267a59f49944269a0bcc941ae421be
1700	Spelthorne Borough Council	36 Meadway, Ashford, TW15 2TH	13/00241/CPD	Certificate of proposed development for the construction of a mono pitched roof over existing rear extension	Approved	15/02/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00241/CPD%27&history=74267a59f49944269a0bcc941ae421be
1701	Spelthorne Borough Council	<u>5 Brownrigg Road, Ashford, TW15 2TL</u>	17/00442/HOU	Erection of single storey rear extension following demolition of existing conservatory	Approved	17/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00442/HOU%27&history=5c86261b8e5f473c8bbcb85b6376c7b4
1702	Spelthorne Borough Council	17 Brownrigg Road, Ashford, TW15 2TL	14/00571/HOU	Formation of a pitched roof over existing garage and side extension and conservatory at rear.	Approved	07/04/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00571/HOU%27&history=5c86261b8e5f473c8bbcb85b6376c7b4
1703	Spelthorne Borough Council	<u>Former Brooklands College, Church Road, Ashford, TW15 2XD</u>	17/01274/FUL	Planning permission for the redevelopment of the site comprising the demolition of the existing buildings and the construction of new buildings between one and five storeys to accommodate 357 dwellings (within use class C3), 619 sqm (GIA) of flexible commercial floorspace (within use classes A1, A2, A3, A4, A5, B1Ca) and 442 sqm (GIA) of education floorspace (within use class D1), the provision of public open space and associated car parking, cycle parking, access and related infrastructure and associated works	Approved	04/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01274/FUL%27&history=0fa9c40c28414c0abea8e6a8d7082af1
1704	Spelthorne Borough Council	<u>Former Brooklands College, Church Road, Ashford, TW15 2XD</u>	15/00009/FUL	Retention of existing temporary college buildings and associated parking, infrastructure and ancillary works (approved under planning permission 11/00617/FUL) until 31 January 2017	Approved	05/01/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/00009/FUL%27&history=0fa9c40c28414c0abea8e6a8d7082af1
1705	Spelthorne Borough Council	<u>Brooklands, College, Church Road, Ashford, TW15 2XD</u>	13/01804/FUL	Recladding and refurbishment of existing sports hall including removal of glazed lobby to the front and removal of garage between sports hall and gymnasium.	Approved	13/12/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01804/FUL%27&history=c10ee770d34b44c5903744bd32b12765



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1706	Spelthorne Borough Council	<u>57 Clockhouse Lane, Ashford, TW15 2EP</u>	18/00033/HOU	Erection of single storey rear extension	Approved	04/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00033/HOU%27&history=a2813b0360e54e2a8ba47740efa7a220
1707	Spelthorne Borough Council	<u>19 Clockhouse Lane, Ashford, TW15 2EP</u>	17/01878/RVC	Application to vary condition 9 (plans condition) of planning permission 16/02097/FUL (Demolition of existing dwelling and erection of new two storey dwelling with raised ridge height and rear facing dormer to facilitate accommodation in the roof space and new basement)) to allow an increase in ridge height, increase in depth of first floor rear extension, increase in size of rear dormer and increase in height of single storey side extension and alterations to the fenestration.	Open for comments	11/12/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01878/RVC%27&history=a2813b0360e54e2a8ba47740efa7a220
1708	Spelthorne Borough Council	<u>79 Clockhouse Lane, Ashford, TW15 2HA</u>	17/01345/HOU	Erection of single storey side/rear extension.	Approved	21/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01345/HOU%27&history=a2813b0360e54e2a8ba47740efa7a220
1709	Spelthorne Borough Council	<u>1 Smallholdings, Clockhouse Lane, Ashford, TW15 2HB</u>	17/00901/CPD	Certificate of lawfulness for the proposed development of a single storey side extension.	Grant Cert Lawful Prop Use/Dev	01/06/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00901/CPD%27&history=a2813b0360e54e2a8ba47740efa7a220
1710	Spelthorne Borough Council	<u>53 Clockhouse Lane, Ashford, TW15 2EP</u>	17/00801/HOU	Erection of a two storey side extension and alterations to roof form over existing single storey rear extension following removal of existing single storey side extension	Approved	15/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00801/HOU%27&history=a2813b0360e54e2a8ba47740efa7a220
1711	Spelthorne Borough Council	<u>79 Clockhouse Lane, Ashford, TW15 2HA</u>	17/00277/HOU	Extension of existing vehicle access	Approved	16/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00277/HOU%27&history=a2813b0360e54e2a8ba47740efa7a220
1712	Spelthorne Borough Council	<u>19 Clockhouse Lane, Ashford, TW15 2EP</u>	16/02097/FUL	Demolition of existing dwelling and erection of new two storey dwelling with raised ridge height and rear facing dormer to facilitate accommodation in the roof space and new basement	Approved	21/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/02097/FUL%27&history=a2813b0360e54e2a8ba47740efa7a220



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1713	Spelthorne Borough Council	<u>10 Smallholdings, Clockhouse Lane, Ashford, TW15 2HB</u>	16/01604/FUL	Erection of an agricultural building for the housing of cattle.	Approved	23/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01604/FUL%27&history=788a83f263a04050b819277b71c3232e
1714	Spelthorne Borough Council	<u>59 Clockhouse Lane, Ashford, TW15 2EP</u>	16/01004/CPD	Certificate of lawfulness for proposed rear facing dormer and 3 no. roof lights in front elevation.	Grant Cert Lawful Prop Use/Dev	16/06/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01004/CPD%27&history=788a83f263a04050b819277b71c3232e
1715	Spelthorne Borough Council	<u>Dramatize Theatre Company, Pavilion, Ashford Recreation Ground, Clockhouse Lane, Ashford, TW15 1BX</u>	16/00866/FUL	Erection of first floor and single storey extension to existing pavilion building	Approved	24/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00866/FUL%27&history=788a83f263a04050b819277b71c3232e
1716	Spelthorne Borough Council	12 Clockhouse Lane, Ashford, TW15 2HH	15/01194/HOU	Erection of a single storey rear extension	Approved	07/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01194/HOU%27&history=788a83f263a04050b819277b71c3232e
1717	Spelthorne Borough Council	<u>12 Clockhouse Lane, Ashford, TW15 2HH</u>	15/01195/CPD	Application for a Certificate of Lawfulness for the proposed development of a loft conversion including a rear dormer and the installation of two rooflights in the front roofslope.	Grant Cert Lawful Prop Use/Dev	07/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01195/CPD%27&history=788a83f263a04050b819277b71c3232e
1718	Spelthorne Borough Council	<u>63 Clockhouse Lane, Ashford, TW15 2EP</u>	14/00826/HOU	Erection of single storey side/rear extension following demolition of existing side/rear extension	Approved	13/05/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00826/HOU%27&history=788a83f263a04050b819277b71c3232e
1719	Spelthorne Borough Council	1A Smallholdings, Clockhouse Lane, Ashford, TW15 2HB	13/01255/PDH	Prior Approval Notification for a single storey rear extension, extending 8 metres from the rear wall of the original dwellinghouse with a maximum height of 3.8 metres & 2 metres to the eaves	Prior Notification Householder Approve	19/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01255/PDH%27&history=2a1cd271f3cd497cb6be077a7fc1945b

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1720	Spelthorne Borough Council	<u>10 Smallholdings, Clockhouse Lane, Ashford, TW15 2HB</u>	13/00265/CLD	Certificate of lawfulness application that the existing building south of the agricultural small holding has been used as a domestic dwelling since 1983.	Approved	21/02/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/00265/CLD%27&history=2a1cd271f3cd497cb6be077a7fc1945b
1721	Spelthorne Borough Council	<u>18 Exeфорde Avenue, Ashford, TW15 2EF</u>	17/00309/CPD	Certificate of lawfulness for conversion of garage to form habitable space	Approved	24/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00309/CPD%27&history=44a9c924f3cd43a985a1bb731d66d12c
1722	Spelthorne Borough Council	<u>2 Exeфорde Avenue, Ashford, TW15 2EF</u>	13/01414/HOU	Erection of a single storey rear canopy extension	Approved	24/09/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2713/01414/HOU%27&history=44a9c924f3cd43a985a1bb731d66d12c
1723	Spelthorne Borough Council	<u>109 Parkland Grove, Ashford, TW15 2JF</u>	18/00155/HOU	Erection of a single storey rear extension and conversion of garage to habitable space	Open for comments	01/02/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2718/00155/HOU%27&history=e5d81e9708ec4421bd9860dfa8906066
1724	Spelthorne Borough Council	<u>18 Parkland Grove, Ashford, TW15 2JW</u>	17/01821/HOU	Erection of single storey front extension, conversion of existing garage space to habitable accommodation and replacement of garage door with windows.	Approved	28/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01821/HOU%27&history=e5d81e9708ec4421bd9860dfa8906066
1725	Spelthorne Borough Council	<u>109 Parkland Grove, Ashford, TW15 2JF</u>	17/01806/PDH	Prior approval notification for a single storey rear extension measuring 5 metres in depth beyond the rear wall of the original dwellinghouse measuring a maximum height of 2.95 metres and a height to the eaves of 2.95 metres.	Prior Approval Not Required	27/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01806/PDH%27&history=e5d81e9708ec4421bd9860dfa8906066
1726	Spelthorne Borough Council	<u>18 Parkland Grove, Ashford, TW15 2JW</u>	17/01681/CPD	Certificate of lawfulness for proposed single storey rear extension and loft conversion comprising hip to gable roof alteration and 2 no. side facing dormers	Grant Cert of Lawful Use/Dev	01/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01681/CPD%27&history=e5d81e9708ec4421bd9860dfa8906066



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1727	Spelthorne Borough Council	85 Parkland Grove, Ashford, TW15 2JF	17/01498/HOU	Erection of a part two storey, part single storey rear extension, a single storey side extension and a loft conversion	Approved	26/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01498/HOU%27&history=e5d81e9708ec4421bd9860dfa8906066
1728	Spelthorne Borough Council	62 Parkland Grove, Ashford, TW15 2JR	17/01348/HOU	Erection of single storey rear extension with conversion of existing garage to habitable accommodation by replacing the garage door with window (Following demolition of existing single storey rear extension).	Approved	22/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01348/HOU%27&history=e5d81e9708ec4421bd9860dfa8906066
1729	Spelthorne Borough Council	46 Parkland Grove, Ashford, TW15 2JR	17/01183/HOU	Erection of a single storey rear extension	Approved	21/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/01183/HOU%27&history=e5d81e9708ec4421bd9860dfa8906066
1730	Spelthorne Borough Council	39 Parkland Grove, Ashford, TW15 2JB	17/00779/HOU	Replacement of side and rear flat roof with new pitch roof.	Approved	09/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066
1731	Spelthorne Borough Council	98 Parkland Grove, Ashford, TW15 2JP	17/00636/HOU	Erection of a single storey side/rear extension and the erection of a single storey front porch	Approved	13/04/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							e=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066
1732	Spelthorne Borough Council	94 Parkland Grove, Ashford, TW15 2JP	17/00221/HOU	Erection of single storey rear extension (demolition of existing conservatory)	Approved	09/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066
1733	Spelthorne Borough Council	<u>12 Parkland Grove, Ashford, TW15 2JW</u>	16/01878/HOU	Installation of side dormer at first floor level.	Approved	10/11/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066
1734	Spelthorne Borough Council	<u>71A Parkland Grove, Ashford, TW15 2JF</u>	16/01523/HOU	Erection of two storey side extension and first floor rear extension and relocation of dropped kerb.	Approved	12/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1735	Spelthorne Borough Council	<u>76 Parkland Grove, Ashford, TW15 2JP</u>	16/00991/HOU	Erection of single storey rear/side extension, two storey side extension, two storey rear extension, loft conversion including rear dormer windows and front rooflights and entrance porch.	Approved	14/06/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066
1736	Spelthorne Borough Council	<u>56 Parkland Grove, Ashford, TW15 2JR</u>	16/00768/HOU	Erection of a single storey side and rear extension.	Approved	11/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+parkland%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=e5d81e9708ec4421bd9860dfa8906066
1737	Spelthorne Borough Council	<u>9 Parkland Grove, Ashford, TW15 2JB</u>	16/00394/CPD	Certificate or lawfulness for the proposed development of a hip to gable roof extension and rear dormer window	Grant Cert Lawful Prop Use/Dev	12/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00394/CPD%27&history=ecf807b672bb4d31a89ff4801706d8b2
1738	Spelthorne Borough Council	<u>87 Parkland Grove, Ashford, TW15 2JF</u>	16/00085/HOU	Part single storey/part two storey rear extension following demolition of existing rear extensions and conservatory, alterations to garage, new first floor side window, alterations to existing first floor rear windows and new door to replace existing window on side elevation.	Approved	20/01/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/00394/CPD%27&history=ecf807b672bb4d31a89ff4801706d8b2
1739	Spelthorne Borough Council	<u>120 Parkland Grove, Ashford, TW15 2JP</u>	15/01104/HOU	Erection of a two storey rear extension	Approved	12/08/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01104/HOU

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							er=^REFVAL^=%2715/01104/HOU%27&history=ecf807b672bb4d31a89ff4801706d8b2
1740	Spelthorne Borough Council	39 Parkland Grove, Ashford, TW15 2JB	15/01018/HOU	Conversion of garage to habitable accommodation comprising of a study.	Approved	21/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmpl&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01018/HOU%27&history=ecf807b672bb4d31a89ff4801706d8b2
1741	Spelthorne Borough Council	102 Parkland Grove, Ashford, TW15 2JP	14/01631/HOU	Erection of a single storey side/rear extension (including demolition of storeroom and conservatory)	Approved	19/09/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmpl&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01018/HOU%27&history=ecf807b672bb4d31a89ff4801706d8b2
1742	Spelthorne Borough Council	19 Clifford Grove, Ashford, TW15 2JS	16/01293/HOU	Erection of a first floor extension with part single storey, part two storey front and side extensions with a new roof over to convert the existing chalet style dwelling to a two storey house with accommodation in the roofspace.	Approved	04/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.templ&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=CLIFFORD+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1743	Spelthorne Borough Council	6 Echelforde Drive, Ashford, TW15 2ER	16/01629/HOU	Erection of a single storey side extension following removal of existing garage	Approved	29/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.templ&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=echelforde+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1744	Spelthorne Borough Council	<u>17 Rosa Avenue, Ashford, TW15 2ES</u>	13/00421/HOU	Erection of single storey side and part two storey part single storey rear extension.	Approved	21/03/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Rosa+%3DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1745	Spelthorne Borough Council	<u>Karlin, Anglesey Close, Ashford, TW15 2JH</u>	17/01253/CPD	Certificate of lawfulness for conversion of garage to form habitable space with insertion of window.	Grant Cert Lawful Prop Use/Dev	31/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Anglesey+%3DCA PPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1746	Spelthorne Borough Council	<u>24 Anglesey Close, Ashford, TW15 2JQ</u>	14/01330/HOU	Extension of front facing dormer window.	Approved	01/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tplt&basepage=planningpublisher.aspx&Filter=%2714/01330/HOU%27&history=47c62d9ab19a461bba9cad2f3d5f9f55
1747	Spelthorne Borough Council	<u>85A Feltham Road, Ashford, TW15 1BS</u>	18/00206/PDH	Prior approval notification for a single storey rear extension measuring 4.2 metres in depth beyond the rear wall of the original dwellinghouse, with a maximum height of 3m and a height to the eaves of 3 metres	Open for comments	07/02/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tplt&basepage=planningpublisher.aspx&Filter=%2718/00206/

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							PDH%27&history=450f192ff1944f56b3c4f3fd5b2c695c
1748	Spelthorne Borough Council	19-21 Feltham Road, Ashford, TW15 1DQ	17/01940/FUL	Erection of front, side/rear dormer windows and front rooflights	Open for comments	02/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=feltham+road&DCSTCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1749	Spelthorne Borough Council	104 Feltham Road, Ashford, TW15 1DP	17/01463/PDH	Prior approval notification for a single storey rear extension measuring 4.5 metres beyond the rear wall of the original dwellinghouse with a maximum height of 2.582 metres and a height to the eaves of 2.582 metres.	Prior Approval Not Required	18/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=feltham+road&DCSTCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1750	Spelthorne Borough Council	32 - 34 Feltham Road, Ashford, TW15 1DL	17/00515/FUL	Change of use from hoist lift and skip hire and lorry maintenance depot to car sales Forecourt and MOT garage	Approved	29/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=feltham+road&DCSTCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1751	Spelthorne Borough Council	Existing Communication Station At , Land O/S The Kings Head Public House, 4 Feltham Road, Ashford, TW15 2EW	17/00132/FUL	Removal of existing 12.5 telecommunications monopole and replacement with a 15m dual stack telecommunications monopole supporting 6 no. antenna, associated ground based equipment cabinets and ancillary development thereto.	Approved	25/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.templt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=feltham+road&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1752	Spelthorne Borough Council	15-17 Feltham Road, Ashford, TW15 1DQ,	15/00434/FUL	Erection of 2 new rear dormer windows and the enlargement of 2 existing rear dormers in connection with the enlargement of the existing habitable accommodation at roof level.	Approved	26/03/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=4&maxrecords=100&basepage=planningpublisher.aspx&history=33a948b6fe4440a1a87ab5a8f1b929e3
1753	Spelthorne Borough Council	<u>Costcutter, 15 - 17 Feltham Road, Ashford, TW15 1DQ</u>	14/01476/FUL	Erection of single storey rear extension to enclose existing parking area and relocation and extension of existing staircase. Relocation of bin storage and condenser units.	Approved	29/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAP

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							RECV:DESCENDING&pageno=4&maxrecords=100&basepage=planningpublisher.aspx&history=33a948b6fe4440a1a87ab5a8f1b929e3
1754	Spelthorne Borough Council	<u>95 Feltham Road, Ashford, TW15 1BS</u>	14/01399/FUL	Erection of a two storey detached dwelling	Approved	22/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=4&maxrecords=100&basepage=planningpublisher.aspx&history=33a948b6fe4440a1a87ab5a8f1b929e3
1755	Spelthorne Borough Council	The Kings Head Public House, 4 Feltham Road, Ashford, TW15 2EB	14/00398/FUL	Alterations to existing external areas to include a canopy over existing seating area, pergola, jumbrellas and external cooking facilities.	Approved	14/03/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=5&maxrecords=100&basepage=planningpublisher.aspx&history=e2dafb66975b4a0d8219d6152895b5cd
1756	Spelthorne Borough Council	<u>95 Feltham Road, Ashford, TW15 1BS</u>	13/01284/PDH	Prior approval notification for a single storey rear extension, extending 8m from the rear wall of the original dwellinghouse, with a maximum height of 3m and 2.8m to the eaves.	Prior Notification Householder Approve	30/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=6&maxrecords=100&basepage=planningpublisher.aspx&hist

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							ory=5cc07db2c98a4683b25f381e756d35b2
1757	Spelthorne Borough Council	<u>85A Feltham Road, Ashford, TW15 1BS</u>	13/01194/PDH	Prior approval notification for a single storey rear extension extending 4.2m beyond the rear wall of the original dwellinghouse with a maximum height of 2.9m and height of 2.9m to the eaves.	Prior Notification Householder Approve	09/08/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=6&maxrecords=100&basepage=planningpublisher.aspx&history=5cc07db2c98a4683b25f381e756d35b2
1758	Spelthorne Borough Council	<u>99 -101 Feltham Road, Ashford, Surrey, TW15 1BS</u>	13/00572/FUL	Erection of a pair of semi detached houses with associated access, parking, and amenity space.	Approved	15/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=6&maxrecords=100&basepage=planningpublisher.aspx&history=5cc07db2c98a4683b25f381e756d35b2
1759	Spelthorne Borough Council	<u>54 Feltham Road, Ashford, TW15 1DH</u>	13/00518/HOU	Erection of a single-storey rear extension.	Approved	08/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=6&maxrecords=100&basepage=planningpublisher.aspx&history=5cc07db2c98a4683b25f381e756d35b2

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1760	Spelthorne Borough Council	<u>52 Feltham Road, Ashford, TW15 1DH</u>	13/00513/HOU	Erection of single storey side/rear extension	Approved	04/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=6&maxrecords=100&basepage=planningpublisher.aspx&history=5cc07db2c98a4683b25f381e756d35b2
1761	Spelthorne Borough Council	<u>52 Feltham Road, Ashford, TW15 1DH</u>	13/00175/CPD	Certificate of Lawfulness for proposed rear facing dormer and installation of 2 roof lights on front plan of roof.	Grant Cert of Lawful Use/Dev	28/01/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=7&maxrecords=100&basepage=planningpublisher.aspx&history=6bc01805ff9a4a35b200bd6b0dc73a9e
1762	Spelthorne Borough Council	<u>108 Feltham Road, Ashford, TW15 1DP</u>	13/00076/HOU	Creation of vehicle crossover	Approved	16/01/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+feltham+road%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ASHE%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=7&maxrecords=100&basepage=planningpublisher.aspx&history=6bc01805ff9a4a35b200bd6b0dc73a9e
1763	Spelthorne Borough Council	<u>25 Chestnut Road, Ashford, TW15 1DD</u>	17/00198/HOU	Erection of single storey rear extension.	Approved	06/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=chestnut+road&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1764	Spelthorne Borough Council	25 Chestnut Road, Ashford, TW15 1DD	16/02101/PDH	Prior approval notification for a single storey rear extension measuring 8 metres in depth beyond the rear wall of the original dwelling house measuring a maximum height of 3.9 metres and a height of 2.6 metres to the eaves	Prior Notification Householder Approve	22/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=chestnut+road&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1765	Spelthorne Borough Council	<u>23 Chestnut Road, Ashford, TW15 1DD</u>	16/00923/PDH	Prior approval notification for a rear single storey extension extending 4.5 metres in depth beyond the rear wall of the original house with a maximum height of 3 metres and a height of 2.7 metres to the eaves	Prior Notification Householder Approve	02/06/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=chestnut+road&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1766	Spelthorne Borough Council	<u>8 Chestnut Close, Ashford, TW15 1DF</u>	17/01908/HOU	Erection of single storey side/rear extension, first floor rear extension and conversion of garage to habitable accommodation by replacing garage door with window.	Open for Comments	19/12/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=chestnut+road&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1767	Spelthorne Borough Council	<u>Rika, Grays Lane, Ashford, TW15 1BY</u>	17/00347/HOU	Alterations to the roof to provide accommodation within the roofspace including rooflights to front roof slope and a rear dormer window, side extension with a front gable (AMENDED DESCRIPTION)	Approved	02/03/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=grays+lane&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1768	Spelthorne Borough Council	Land Adjacent To Rika, Grays Lane, Ashford, TW15 1BY	17/00174/FUL	Erection of a two storey terrace comprising 2 no. 3 bed dwellings and 1 no. 4 bed dwelling with associated parking and landscaping following demolition of existing garage building.	Approved	02/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00174/FUL%27&history=5681d2a93872436590699c21d0af0e0c
1769	Spelthorne Borough Council	<u>62 Reedsfield Road, Ashford, TW15 2HE</u>	16/01967/HOU	Erection of a single storey front extension.	Approved	29/11/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=reedsfield+&DCAPPTYP%3ASRCH=&DCSTAT

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DA TEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1770	Spelthorne Borough Council	<u>6A Reedsfield Road, Ashford, TW15 2HE</u>	16/01078/RMA	Reserved matters application pursuant to outline planning permission 15/01630/OUT for the erection of a terrace of 3 no. two bed dwellings with associated parking and amenity space following demolition of existing garages (in respect of access, appearance, landscaping and scale the matters under consideration) (AMENDED PLANS AND AMENDED DESCRIPTION)	Approved	30/06/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=reedsfield+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DA TEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1771	Spelthorne Borough Council	<u>Land Rear Of 6A Reedsfield Road, Ashford, TW15 2HE</u>	15/01630/OUT	Outline planning permission for the erection of terrace of 3 no two bed dwellings with associated parking and amenity space following demolition of existing (with layout the sole matter under consideration)	Approved	04/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=reedsfield+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DA TEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1772	Spelthorne Borough Council	<u>3 Haven Road, Ashford, TW15 2HR</u>	17/00326/FUL	Erection of new roof over existing swimming pool enclosure.	Approved	28/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=reedsfield+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DA TEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1773	Spelthorne Borough Council	5 Haven Road, Ashford, TW15 2HR	15/00954/HOU	Erection of a single storey detached garage at the front of the dwelling house.	Approved	10/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=haven+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ASHE&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1774	Spelthorne Borough Council	3 Glen Avenue, Ashford, TW15 2JE	17/00189/FUL	Erection of a detached dwelling with integral garage.	Approved	02/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00189/FUL%27&history=99837b0886394bbf80c8e0054b37ca82
1775	Spelthorne Borough Council	13 Glen Avenue, Ashford, TW15 2JE	16/01403/HOU	Demolition of existing single storey rear extension and erection of new single storey rear extension, part conversion of garage to habitable accommodation and alterations to roof over existing garage and existing side extension	Approved	18/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2716/01403/HOU%27&history=99837b0886394bbf80c8e0054b37ca82
1776	Spelthorne Borough Council	7 Glen Avenue, Ashford, TW15 2JE	15/01437/HOU	Erection of a two storey side extension and single storey rear extension	Approved	28/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCApplication.tmlt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2715/01437/



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1777	Spelthorne Borough Council	3 Glen Avenue, Ashford, TW15 2JE.	14/00067/FUL	Renewal of planning permission 11/00408/REN for the erection of a detached dwelling with integrated double garage.	Approved	10/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2714/00067/FUL%27&history=99837b0886394bbf80c8e0054b37ca82
1778	Spelthorne Borough Council	10 London Road, Ashford, TW14 8RW	16/05/2017	Prior approval notification for a single storey rear extension measuring 4.321 metres in depth beyond the rear wall of the original dwelling house and a maximum height of 3.599 metres with a height to the eaves of 2.369 metres and installation of two roof lights(Following demolition of current conservatory).	Prior Notification Householder Approve	16/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filter=^REFVAL^=%2717/00814/PDH%27&history=e6e82bdbc8bf46c6aa5d15cf508a07c9
1779	Spelthorne Borough Council	10 London Road, Ashford, TW14 8RW	17/00812/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include a hip to gable roof extension with the installation of 1 front roof light, rear dormer & 1 Juliet Balcony.	Grant Cert Lawful Prop Use/Dev	16/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tmplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=london+road&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECNS%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1780	Spelthorne Borough Council	Flat, Sailboard Club House, 32A Edward Way, Ashford, TW15 3AY	18/00249/PDH	Prior approval notification for a single storey rear extension measuring 5.8 metres in depth beyond the rear wall of the original dwellinghouse measuring a maximum height of 4 metres and a height to the eaves of 2.5 metres.	Open for Comments	16/02/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tmplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECNS%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1781	Spelthorne Borough Council	<u>11 Edward Way, Ashford, TW15 3AY</u>	17/01850/FUL	Conversion of existing dwelling into a house of multiple occupancy (HMO) to provide temporary accommodation for a maximum of 7 homeless people	Approved	05/12/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1782	Spelthorne Borough Council	<u>7 Edward Way, Ashford, TW15 3AY</u>	17/01018/CPD	Certificate of lawfulness for proposed development for the conversion of garage to form habitable space and alterations to front elevation.	Grant Cert Lawful Prop Use/Dev	20/06/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1783	Spelthorne Borough Council	<u>12 Edward Way, Ashford, TW15 3AY</u>	16/02059/CPD	Application for a certificate of lawfulness for the proposed development of a hip to gable roof alteration with a rear dormer and rooflights in the front roof slope	Grant Cert Lawful Prop Use/Dev	14/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&D

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1784	Spelthorne Borough Council	<u>8 Edward Way, Ashford, TW15 3AY</u>	16/01716/HOU	Erection of part single storey/part two storey side/rear extension to existing dwelling	Approved	13/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1785	Spelthorne Borough Council	<u>26 Edward Way, Ashford, TW15 3AY</u>	16/01304/HOU	Erection of a front porch and a single storey wraparound side and rear extension following demolition of the existing garage	Approved	05/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1786	Spelthorne Borough Council	<u>Sailboard Club House, 32A Edward Way, Ashford, TW15 3AY</u>	16/01193/FUL	Erection of a 'palisade' fence following removal of existing chainlink fence.	Approved	20/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1787	Spelthorne Borough Council	<u>11 Edward Way, Ashford, TW15 3AY</u>	16/00591/HOU	Proposed garage conversion to form habitable rooms, including internal alterations and the replacement of garage door with a window.	Approved	14/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&CAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1788	Spelthorne Borough Council	<u>8 Edward Way, Ashford, TW15 3AY</u>	13/01421/HOU	Erection of first floor rear extension.	Approved	25/09/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=edward+way+&CAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1789	Spelthorne Borough Council	<u>59 Orchard Way, Ashford, TW15 3AU</u>	17/01540/CPD	Certificate of lawfulness for the proposed erection of a single storey rear extension (Following demolition of existing conservatory).	Grant Cert Lawful Prop Use/Dev	04/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1790	Spelthorne Borough Council	15 Orchard Way, Ashford, TW15 3AU	17/01470/CPD	Certificate of lawfulness for the proposed development of roof alterations to include a hip to gable extension with the installation of a rear dormer.	Grant Cert Lawful Prop Use/Dev	19/09/2017	<a href="http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCS
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1791	Spelthorne Borough Council	28 Orchard Way, Ashford, TW15 3AX	16/00629/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear wall of the original dwelling house, measuring a maximum of 3.17 metres in height and a height to the eaves of 3 metres, including removal of existing conservatory.	Prior Approval Not Required	17/04/2016	<a href="http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCS
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1792	Spelthorne Borough Council	28 Orchard Way, Ashford, TW15 3AX	16/00603/CPD	Certificate of lawfulness for the proposed development of loft alterations that would include the installation of a rear facing former, and two front roof lights.	Grant Cert Lawful Prop Use/Dev	16/04/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1793	Spelthorne Borough Council	<u>40 Orchard Way, Ashford, TW15 3AX</u>	15/01182/HOU	Erection of detached timber garage in the rear garden relying on the use of an existing driveway / access.	Approved	01/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1794	Spelthorne Borough Council	<u>25 Orchard Way, Ashford, TW15 3AU</u>	15/00095/HOU	Erection of a single storey rear extension (conservatory).	Approved	24/01/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1795	Spelthorne Borough Council	<u>38 Orchard Way, Ashford, TW15 3AX</u>	14/02069/HOU	Erection of single storey link between dwelling and existing outbuilding	Approved	28/11/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCS TAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1796	Spelthorne Borough Council	<u>40 Orchard Way, Ashford, TW15 3AX</u>	14/01170/HOU	Erection of single storey rear extension	Approved	09/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCS TAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1797	Spelthorne Borough Council	<u>4 Orchard Way, Ashford, TW15 3AX</u>	14/00558/CPD	Certificate of Proposed Development for a hip to gable roof alteration, creation of rear dormer and installation of rooflights in front roof slope	Approved	07/04/2014	<a "="" href="http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCS TAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=">http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCS TAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=

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Approach to assessing cumulative effects



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1798	Spelthorne Borough Council	<u>29 Orchard Way, Ashford, TW15 3AU</u>	14/00048/HOU	Erection of a single storey rear and part side extension.	Approved	03/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1799	Spelthorne Borough Council	<u>38 Orchard Way, Ashford, TW15 3AX</u>	13/00476/CPD	Certificate of Proposed Development for the erection of a replacement outbuilding to the rear.	Approved	04/04/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=orchard+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1800	Spelthorne Borough Council	<u>50 Desford Way, Ashford, TW15 3AT</u>	18/00104/HOU	Erection of two storey rear extension with a rooflight to the rear to replace the previously approved planning permission (ref. 17/01684/HOU).	open for Comments	23/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&D

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1801	Spelthorne Borough Council	<u>70 Desford Way, Ashford, TW15 3AT</u>	17/01831/HOU	Erection of single storey front extension.	Approved	30/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1802	Spelthorne Borough Council	56 Desford Way, Ashford, TW15 3AT	17/01713/HOU	Proposed use of existing outbuilding as an annexe ancillary to the main dwellinghouse.	Open for Comments	06/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1803	Spelthorne Borough Council	<u>50 Desford Way, Ashford, TW15 3AT</u>	17/01684/HOU	Erection of double storey rear extension with rooflight to the rear	Approved	01/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1804	Spelthorne Borough Council	<u>95 Desford Way, Ashford, TW15 3AS</u>	17/01475/FUL	Erection of a first floor extension to existing bungalow and subdivision of dwelling into 2 no. 2 bedroom units and associated works, and the erection of a two storey detached building comprising 2 no. 2 bedroom units together with associated parking and amenity space.	Approved	20/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1805	Spelthorne Borough Council	<u>64 Desford Way, Ashford, TW15 3AT</u>	17/00745/FUL	Demolition of existing dwelling and erection of a two-storey building to provide 4 flats together with associated parking and landscaping.	Approved	05/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1806	Spelthorne Borough Council	11 Desford Way Ashford, TW15 3AR	17/00715/HOU	Erection of a detached garage in rear garden	Approved	27/04/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1807	Spelthorne Borough Council	<u>76 Desford Way, Ashford, TW15 3AT</u>	17/00685/HOU	Erection of first floor side and rear extension and part conversion of garage to study	Approved	24/04/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCST AT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1808	Spelthorne Borough Council	<u>8 Desford Way, Ashford, TW15 3AT</u>	16/02090/HOU	Erection of a single storey rear extension	Approved	20/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCST AT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1809	Spelthorne Borough Council	<u>80 Desford Way, Ashford, TW15 3AT</u>	16/01765/HOU	Erection of a two storey rear extension.	Approved	23/10/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate

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Approach to assessing cumulative effects



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1810	Spelthorne Borough Council	<u>20 Desford Way, Ashford, TW15 3AT</u>	16/01467/HOU	Erection of single storey rear, side and front extension and installation of front bay window (amended from application 08/00561/FUL to include enlarged rear extension)	Approved	31/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Desford+way&DCSTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&ATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&ATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1811	Spelthorne Borough Council	<u>64 Desford Way, Ashford, TW15 3AT</u>	16/01412/RVC	Variation of condition 10 (approved plans) to amend scheme to include larger first and single storey rear addition, additional side windows and creation of 2 no. 2 bedroom flats and 1 no. 1 bedroom flat - amending 14/01322/FUL for the demolition of existing dwelling and construction of a two storey development comprising 2 no. 1 bed and 1 no. 2 bed flats with associated landscaping.	Approved	10/08/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tplt&filter=%5eq%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=856a5ad870b94a9a9037dd49e8f4976b
1812	Spelthorne Borough Council	<u>85 Desford Way, Ashford, TW15 3AS</u>	16/01246/HOU	Erection of single storey front extension	Approved	27/07/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tplt&filter=%5eq

Heathrow Expansion

Approach to assessing cumulative effects



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1813	Spelthorne Borough Council	<u>74 Desford Way, Ashford, TW15 3AT</u>	16/00811/HOU	Proposed first floor extension with new roof to convert chalet style dwelling to a two storey house and erection of a single storey rear and side extension.	Approved	17/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5e%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=856a5ad870b94a9a9037dd49e8f4976b
1814	Spelthorne Borough Council	<u>64 Desford Way, Ashford, TW15 3AT</u>	15/01485/RVC	Variation of Condition 10 (approved plans) to amend scheme to include larger single storey rear addition and additional side windows - amending 14/01322/FUL for the demolition of existing dwelling and construction of a two storey development comprising 2 no. 1 bed and 1 no. 2 bed flats with associated landscaping.	Approved	05/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5e%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=856a5ad870b94a9a9037dd49e8f4976b
1815	Spelthorne Borough Council	<u>32 Desford Way, Ashford, TW15 3AT</u>	15/00937/PDH	Prior approval notification for a single storey rear extension measure 6.985 metres beyond the rear wall of the original dwellinghouse measuring a maximum of 3 metres in height and a height of 2.8 metres to the eaves.	Prior Notification Householder Approve	06/07/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5e%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=856a5ad870b94a9a9037dd49e8f4976b

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							NS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=856a5ad870b94a9a9037dd49e8f4976b
1816	Spelthorne Borough Council	<u>11 Desford Way, Ashford, TW15 3AR</u>	15/00825/CPD	Application for Certificate of Lawfulness for Proposed Development and erection of outbuilding at rear of garden.	Approved	11/06/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=856a5ad870b94a9a9037dd49e8f4976b
1817	Spelthorne Borough Council	23 Desford Way, Ashford, TW15 3AR	14/01880/HOU	Erection of single storey side extension	Approved	31/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=b276d17d3c4c446fbcbe97ebb8975f6c
1818	Spelthorne Borough Council	<u>53 Desford Way, Ashford, TW15 3AS</u>	14/01769/PDH	Prior approval notification for the erection of a single storey rear extension, extending 4.9 metres beyond the rear wall of the original dwellinghouse, with a maximum height of 3.4 metres and a height to the eaves of 2.8 metres.	Prior Approval Not Required	10/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=b276d17d3c4c446fbcbe97ebb8975f6c

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1819	Spelthorne Borough Council	64 Desford Way, Ashford, TW15 3AT	14/01322/FUL	Demolition of existing dwelling and construction of a two storey development comprising 2 no. 1 bedroom and 1 no. 2 bedroom flats with associated landscaping.	Approved	31/07/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=b276d17d3c4c446fbcbe97ebb8975f6c
1820	Spelthorne Borough Council	95 Desford Way, Ashford, TW15 3AS	13/00748/FUL	Erection of four bed detached dwelling with associated parking and amenity space on land south of 95 Desford Way. erection of single storey side and rear extension to 95 Desford Way and erection of pair of garages in rear garden	Approved	23/05/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Desford+way%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=b276d17d3c4c446fbcbe97ebb8975f6c
1821	Spelthorne Borough Council	47 Harrow Road, Ashford, TW14 8RT	17/01764/FUL	Erection of a single storey rear extension (Following part demolition of existing extension).	Approved	16/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tmplt&requestType=parseTemplate&useSearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DEC SN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1822	Spelthorne Borough Council	<u>19 Harrow Road, Ashford, TW14 8RT</u>	17/01528/CPD	Certificate of lawfulness for the proposed development of roof alterations to include a hip to gable extension and the installation of a rear facing dormer with roof lights to the front elevation.	Grant Cert Lawful Prop Use/Dev	02/10/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1823	Spelthorne Borough Council	<u>48 Harrow Road, Ashford, TW14 8RT</u>	17/00838/HOU	Erection of two storey side extension and single storey front and rear extension.(amendment to pa ref 16/00990/HOU)	Approved	16/05/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1824	Spelthorne Borough Council	<u>19 Harrow Road, Ashford, TW14 8RT</u>	17/00261/HOU	Retention of an outbuilding as shown on: Drawing 1 (block plan) and Drawing 2 (elevation) received on 11 January 2017.	Approved	14/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1825	Spelthorne Borough Council	<u>45 Harrow Road, Ashford, TW14 8RT</u>	16/01978/CPD	Certificate of lawfulness for the proposed development of a single storey front porch, and a single storey side extension.	Grant Cert Lawful Prop Use/Dev	01/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DEC SN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1826	Spelthorne Borough Council	<u>45 Harrow Road, Ashford, TW14 8RT</u>	16/01514/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear elevation of the original dwelling house with a maximum height of 3 metres and a height of 3 metres to the eaves.	Prior Notification Householder Approve	08/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DEC SN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1827	Spelthorne Borough Council	<u>48 Harrow Road, Ashford, TW14 8RT</u>	16/00990/HOU	Erection of two storey side extension first floor rear extension and single storey front and rear extension	Approved	14/06/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DEC SN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1828	Spelthorne Borough Council	<u>15 Harrow Road, Ashford, TW14 8RT</u>	16/00879/HOU	Retrospective application to retain the enlarged rear dormer.	Approved	27/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&useSearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Harrow+&DCAPPTYP%3ASRCH=&DCSTATXTRATEXT%3ASRCH=&DEC SN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=28%2F02%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1829	Spelthorne Borough Council	<u>37 Harrow Road, Ashford, TW14 8RT</u>	16/00338/HOU	Erection of a two storey side extension, and a part two storey part single storey rear extension	Approved	03/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestType=parsetemplate&template=DCResults.tplt&filter=%5eq%5e+ILIKE+%27%25+Harrow+%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=d24ad7226d5e49d6926830278b61a61f
1830	Spelthorne Borough Council	<u>Land Behind 32 & 32A Harrow Road, Ashford, TW14 8RT</u>	15/01107/FUL	Erection of a detached two bed dwelling with associated amenity space and parking following demolition of two existing garages.	Approved	12/08/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestType=parsetemplate&template=DCResults.tplt&filter=%5eq%5e+ILIKE+%27%25+Harrow+%25%27%5e%2c%5eCURR

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1831	Spelthorne Borough Council	<u>15 Harrow Road, Ashford, TW14 8RT</u>	15/00875/HOU	Erection of part two storey, part single storey side and rear extension.	Approved	22/06/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Harrow+%25%27%5e%2c%5eCURR%27%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=d24ad7226d5e49d6926830278b61a61f
1832	Spelthorne Borough Council	<u>25 Harrow Road, Ashford, TW14 8RT</u>	15/00780/HOU	Retention of single storey rear extension to house boiler	Approved	01/06/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Harrow+%25%27%5e%2c%5eCURR%27%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=d24ad7226d5e49d6926830278b61a61f
1833	Spelthorne Borough Council	<u>15 Harrow Road, Ashford, TW14 8RT</u>	15/00582/CPD	Certificate of proposed development for a hip to gable roof alteration, creation of rear dormer and installation of rooflights in front roofslope.	Grant Cert Lawful Prop Use/Dev	27/04/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Harrow+%25%27%5e%2c%5eCURR%27%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1834	Spelthorne Borough Council	25 Harrow Road, Ashford, TW14 8RT	14/00876/HOU	Part single storey, part two storey side and rear extension	Approved	19/05/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.templt&filter=%5eq%5e+ILIKE+%27%25+Harrow+%25%27%5e%2c%5eCURRENTWARD%5e%3d%27ANS%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-02-28%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=2&maxrecords=100&basepage=planningpublisher.aspx&history=d24ad7226d5e49d6926830278b61a61f
1835	Spelthorne Borough Council	31 Longford Way, Stanwell, Staines-upon-Thames, TW19 7SL	17/01200/HOU	Erection of a single storey rear extension	Approved	24/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.templt&requestType=parseTemplate&useSearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Holywell+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=
1836	Spelthorne Borough Council	Land Fronting And Located Between Longford Avenue, Holywell Way And Long Lane And To The Rear Of Ravensbourne Avenue, Stanwell., ,	15/01364/RVC	Minor Material Amendment for the variation of conditions 1 and 8 of 14/002206/RMA relating to the reserved matter permission for the erection of 46 dwellings to permit clear glazed opening windows on the first and second floor of units 33 and 36 in an amended layout.	Minor Amendment Approved	12/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.templt&requestType=parseTemplate&useSearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Holywell+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1837	Spelthorne Borough Council	65 Holywell Way, Stanwell, Staines-upon-Thames, TW19 7SG	14/01788/HOU	Erection of rear conservatory.	Approved	16/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Holywell+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1838	Spelthorne Borough Council	13-15 Holywell Way, Stanwell, Staines-upon-Thames, TW19 7SG	14/00157/FUL	Demolition of existing dwellings and erection of 3 new affordable dwellings.	Approved	21/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Holywell+way+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1839	Spelthorne Borough Council	28 Holywell Way, Stanwell, Staines-upon-Thames, TW19 7SH	13/01761/HOU	Erection of garden shed in rear garden.	Approved	21/11/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1840	Spelthorne Borough Council	30 Holywell Way, Stanwell, Staines-upon-Thames, TW19 7SH	13/01749/HOU	Erection of garden shed in rear garden.	Approved	21/11/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPREC%3ADESCENDING&q%3ALIKE=Holywell+way+&DCAPPTYP%3ASRCH=&DCS TAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPREC%3AFROM%3ADATE=01%2F01%2F2013&DATEAPREC%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECIS%3AFROM%3ADATE=#content
1841	Spelthorne Borough Council	49 Longford Way, Stanwell, Staines-upon-Thames, TW19 7SL	13/00992/HOU	Erection of a garden shed	Approved	26/06/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPREC%3ADESCENDING&q%3ALIKE=Holywell+way+&DCAPPTYP%3ASRCH=&DCS TAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPREC%3AFROM%3ADATE=01%2F01%2F2013&DATEAPREC%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECIS%3AFROM%3ADATE=#content
1842	Spelthorne Borough Council	43 Longford Way, Stanwell, Staines-upon-Thames, TW19 7SL	13/00978/HOU	Erection of garden shed (formerly plot 78)	Approved	25/06/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1843	Spelthorne Borough Council	10 Shaw Close, Stanwell, Staines-upon-Thames, TW19 7BJ	16/00989/HOU	Erection of a single storey rear extension	Approved	14/06/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tpl t&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Shaw+close&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1844	Spelthorne Borough Council	9 Laburnum Way, Stanwell, Staines-upon-Thames, TW19 7SQ	15/00597/DEM	Prior notification for the demolition of existing residential buildings located at 56 & 58 Long Lane, 9 & 11 Laburnum Way, 10 & 12 Laburnum Way, 14 & 16 Laburnum Way.and 2 & 4 Holywell Way.	Approved	28/04/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tpl t&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Laburnum++&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1845	Spelthorne Borough Council	<u>141 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	18/00284/CPD	Certificate of lawfulness for the proposed development of a single storey rear extension.	Open for comments	23/02/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1846	Spelthorne Borough Council	<u>113 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	18/00191/PDH	Prior approval notification for a single storey rear extension measuring 8 metres in depth beyond the rear wall of the original dwellinghouse, with a maximum height of 3.95 metres and a height to the eaves of 3 metres.	Open for comments	06/02/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1847	Spelthorne Borough Council	<u>141 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	17/01439/CPD	Certificate of lawfulness for the proposed development of roof alterations to include a hip to gable extension with the installation of a rear facing dormer and roof lights to the front.	Grant Cert Lawful Prop Use/Dev	12/09/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1848	Spelthorne Borough Council	Galower Builders Limited, 100 - 102 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AE	17/01218/FUL	Erection of part single/ part two storey flank extension and conversion of existing office and flat into 3 no. terraced houses comprising 2 no. 2 bed and 1 no 1 bed dwelling and provision of forecourt parking. (AMENDED DESCRIPTION)	Approved	25/07/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1849	Spelthorne Borough Council	<u>4 Fulwood Court, Long Lane, Stanwell, Staines-upon-Thames, TW19 7AS</u>	16/01986/HOU	Creation of a means of access to the highway with associate crossover and dropped kerb.	Approved	01/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1850	Spelthorne Borough Council	<u>22 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AA</u>	16/01572/HOU	Erection of a single storey front, side and rear extension	Approved	19/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEA

Heathrow Expansion

Approach to assessing cumulative effects



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1851	Spelthorne Borough Council	<u>Open Field At Junction Of Long Lane And, Short Lane, Stanwell,</u>	16/01506/RVC	Variation of condition 2 of pp 13/00378/FUL to allow the substitution of amended plans to reconfigure the parking area to provide a turning head for vehicles	Approved	07/09/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&useseach=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1852	Spelthorne Borough Council	<u>127 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	15/01532/HOU	Erection of part two storey part single storey side and rear extension following demolition of existing garage	Approved	16/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&useseach=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1853	Spelthorne Borough Council	<u>Land Fronting And Located Between Longford Avenue, Holywell Way And Long Lane And To The Rear Of Ravensbourne Avenue, Stanwell...</u>	15/01364/RVC	Minor Material Amendment for the variation of conditions 1 and 8 of 14/002206/RMA relating to the reserved matter permission for the erection of 46 dwellings to permit clear glazed opening windows on the first and second floor of units 33 and 36 in an amended layout.	Minor Amendment Approved	12/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&useseach=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1854	Spelthorne Borough Council	<u>Development Site At Former Three Crowns Public House, Long Lane, Stanwell.</u>	15/01271/RVC	Variation of Condition 2 (approved drawings) of Planning Permission 13/01800/FUL for a new residential development comprising 14 dwellings, to enable the increase in size of units 4, 7, 9, 10, 11, 12 and 13 to provide a revised dwelling mix of 9 no. 2-bed, 2 no. 3-bed and 3 no. 4-bed, together with other associated alterations.	Approved	21/09/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1855	Spelthorne Borough Council	<u>14 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AA</u>	15/00858/HOU	Erection of a single storey side/rear extension.	Approved	18/06/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1856	Spelthorne Borough Council	<u>101 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	15/00155/FUL	Erection of a detached bungalow with accommodation in the roof space.	Approved	29/01/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DC



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1857	Spelthorne Borough Council	<u>Land Fronting And Located Between Longford Avenue, Holywell Way And Long Lane And To The Rear Of Ravensbourne Avenue, Stanwell..</u>	14/02206/RMA	Erection of 46 dwellings to comprise affordable and private units together with associated access road, parking, landscaping and public open space, following demolition of existing dwellings (Reserved Matters Phase - 4 of Stanwell New Start - pursuant to outline planning permission 08/00361/OUT) (AMENDED PLANS). Discharge of conditions pursuant to 08/00361/OUT.	Approved	23/12/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Long+lane+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1858	Spelthorne Borough Council	<u>80 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AE</u>	14/01786/HOU	Erection of single storey rear extension (retrospective)	Approved	15/10/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCResults.tplt&filter=%5eq%5e+ILIKE+%27%25+Long+lane+%25%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-03-01%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=43f59c601b08406099cd42d29285455e
1859	Spelthorne Borough Council	<u>101 Long Lane, Stanwell, Staines-upon-Thames, TW19 7AL</u>	14/01662/HOU	Erection of a single storey side extension (including demolition of the existing garage)	Approved	22/09/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requestype=parsetemplate&template=DCResults.tplt&filter=%5eq%5e+ILIKE+%27%25+Long+lane+%25%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-03-01%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=43f59c601b08406099cd42d29285455e

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1860	Spelthorne Borough Council	<u>Former Astro Turf Pitch, Long Lane Recreation Ground, Cambria Gardens, Stanwell,</u>	14/00153/FUL	Installation of a concrete BMX/Skate Park facility on former Astro-Turf pitch at Long Lane Recreation Ground, Stanwell	Approved	22/01/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Long+lane+%25%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-03-01%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=43f59c601b08406099cd42d29285455e
1861	Spelthorne Borough Council	<u>The Three Crowns Public House, Long Lane, Stanwell, Staines-upon-Thames, TW19 7AU</u>	14/12/2013	Demolition of existing building and redevelopment of the site to provide 14 residential units (2 no. 1-bed, 8 no. 2-bed, 2 no. 3-bed and 2 no. 4-bed), together with associated access, parking and landscaping.	Approved	14/12/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Long+lane+%25%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-03-01%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=43f59c601b08406099cd42d29285455e
1862	Spelthorne Borough Council	<u>Land At Corner Of Long Lane And Short Lane, Stanwell, TW19</u>	13/00378/FUL	Erection of two no. two storey buildings incorporating 12 no. flats with associated parking and external works (resubmission of previously approved 03/00905/FUL)	Approved	16/03/2013	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCResults.tmplt&filter=%5eq%5e+ILIKE+%27%25+Long+lane+%25%27%5e%2c%5eDATEAPRECV%5e+between+%272013-01-01%27+AND+%272018-03-01%27%5e&pagerecs=10&useSearch=true&order=DATEAPRECV:DESCENDING&pageno=3&maxrecords=100&basepage=planningpublisher.aspx&history=43f59c601b08406099cd42d29285455e

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1863	Spelthorne Borough Council	2 Victory Close, Stanwell, Staines-upon-Thames, TW19 7BU	17/00320/HOU	Conversion of integral garage into habitable accommodation and replacement of existing garage door with a new window opening.	Open for comments	25/02/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Victory+close&DCSTCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1864	Spelthorne Borough Council	12 Victory Close, Stanwell, Staines-upon-Thames, TW19 7BU	17/00083/HOU	Erection of single storey side porch addition.	Approved	18/01/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Victory+close&DCSTCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1865	Spelthorne Borough Council	Lang House, Victory Close, Stanwell, TW19 7TS.	14/01040/FUL	Demolition of existing buildings at Lang House and Gwendolen House and erection of 16 dwellings with associated parking together with alterations to the existing car parking for Queen Mary Court and Marquis Court	Approved	23/06/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Victory+close&DCSTCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1866	Spelthorne Borough Council	1 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	17/01353/HOU	Erection of new part single extension at rear and part double, front/side extension (following demolition of existing garage and rear conservatory.	Approved	22/08/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Victory+close&DCST AT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DA TEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1867	Spelthorne Borough Council	18 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	16/02018/HOU	Erection of a single storey rear extension	Approved	07/12/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Victory+close&DCST AT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DA TEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1868	Spelthorne Borough Council	23 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	16/00891/FUL	Conversion of dwellinghouse to form 1 no. 2 bedroom flat and 1 no. 3 bedroom flat with associated parking and private amenity space.	Approved	27/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Victory+close&DCST AT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATE

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1869	Spelthorne Borough Council	38 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	16/00747/HOU	Retention of detached outbuilding in rear garden.	Approved	10/05/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Willowbrook+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1870	Spelthorne Borough Council	38 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	15/01612/FUL	Conversion of existing single dwellinghouse and erection of single storey rear extension to create 2 no. two bedroom houses with associated parking and amenity space.	Approved	02/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Willowbrook+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1871	Spelthorne Borough Council	38 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	14/01388/HOU	Erection of single storey rear extension.	Approved	15/08/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Willowbrook+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1872	Spelthorne Borough Council	38 Willowbrook Road, Stanwell, Staines-upon-Thames, TW19 7AB	14/00706/PDH	Prior Approval notification for a single storey rear extension extending 6 metres beyond the rear wall of the original dwellinghouse, with a maximum height of 3 metres and a height of 2.8 metres to the eaves.	Prior Approval Not Required	02/05/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Willowbrook+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1873	Spelthorne Borough Council	18 Maple Gardens, Stanwell, Staines-upon-Thames, TW19 7BL	18/00105/HOU	Erection of single storey front extension with conversion of existing garage space to habitable accommodation.	Open for comments	23/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Willowbrook+&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1874	Spelthorne Borough Council	32 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	18/00049/PDH	Prior approval notification for a single storey rear extension measuring 6 metres in depth beyond the rear wall of the original dwellinghouse measuring a maximum height of 3 metres and a height to the eaves of 2.7 metres.	Prior Approval Not Required	09/01/2018	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1875	Spelthorne Borough Council	<u>53 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST</u>	17/01822/CPD	Certificate of lawfulness for the proposed development of roof alterations to include the installation of a rear facing dormer with roof lights to the front elevation.	Grant Cert Lawful Prop Use/Dev	28/11/2017	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1876	Spelthorne Borough Council	<u>59 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST</u>	16/00458/PDH	Prior approval notification for a single storey rear extension extending 6 metres beyond the rear elevation of the original dwelling house measuring a maximum height of 2.7 metres and a height to the eaves of 2.7 metres	Prior Approval Not Required	17/03/2016	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1877	Spelthorne Borough Council	<u>24 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7SU</u>	15/01537/CPD	Certificate of Lawfulness application for proposed hip to gable roof alteration and rear facing dormer, 2 no. roof lights in front elevation	Grant Cert of Lawful Use/Dev	16/11/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate

Heathrow Expansion

Approach to assessing cumulative effects



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1878	Spelthorne Borough Council	<u>Land Fronting And Located Between Longford Avenue, Holywell Way And Long Lane And To The Rear Of Ravensbourne Avenue, Stanwell, .</u>	15/01364/RVC	Minor Material Amendment for the variation of conditions 1 and 8 of 14/002206/RMA relating to the reserved matter permission for the erection of 46 dwellings to permit clear glazed opening windows on the first and second floor of units 33 and 36 in an amended layout.	Minor Amendment Approved	12/10/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1879	Spelthorne Borough Council	59 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	15/00289/HOU	Erection of a part single storey, part two storey rear extension	Approved	27/02/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1880	Spelthorne Borough Council	59 Ravensbourne Avenue, Stanwell, Staines-upon-Thames, TW19 7ST	15/00291/CPD	Certificate of Lawfulness for the proposed development of loft alterations to include the installation of a rear dormer and the erection of a single storey outbuilding.	Grant Cert of Lawful Use/Dev	27/02/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1881	Spelthorne Borough Council	Land Fronting And Located Between Longford Avenue, Holywell Way And Long Lane And To The Rear Of Ravensbourne Avenue, Stanwell..	14/02206/RMA	Erection of 46 dwellings to comprise affordable and private units together with associated access road, parking, landscaping and public open space, following demolition of existing dwellings (Reserved Matters Phase - 4 of Stanwell New Start - pursuant to outline planning permission 08/00361/OUT) (AMENDED PLANS). Discharge of conditions pursuant to 08/00361/OUT.	Approved	23/12/2014	http://my.spelthorne.gov.uk/planningpublisher.aspx?pageno=1&pagerecs=10&maxrecords=100&template=DCResults.tplt&requestType=parseTemplate&usesearch=true&order=DATEAPRECV%3ADESCENDING&q%3ALIKE=Ravensbourne+&DCAPPTYP%3ASRCH=&DCSTAT_XTRATEXT%3ASRCH=&DECSN%3ASRCH=&CURRENTWARD%3ASRCH=ANS&DATEAPRECV%3AFROM%3ADATE=01%2F01%2F2013&DATEAPRECV%3ATO%3ADATE=01%2F03%2F2018&DATEAPVAL%3AFROM%3ADATE=&DATEACTCOM%3AFROM%3ADATE=&DATEDECISS%3AFROM%3ADATE=#content
1882	Hounslow Borough Council	LAND AT CLOCKHOUSE LANE FELTHAM TW14 8QH	P/2017/5237	The phased development of a 426 guestroom hotel, consisting of conferencing and meeting facilities, restaurant and bar, health club and swimming pool, extensive landscaping, parking and associated development. The scheme will be phased to allow highways access and pedestrian improvements to come forward at an early stage in the development programm	In progress	13-Dec-17	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strStreet=21500287&strStreetTxt=CLOCKHOUSE%20LANE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1883	Hounslow Borough Council	CLOCKHOUSE SERVICE STATION CLOCKHOUSE LANE FELTHAM LONDON TW14 8RX	P/2016/2313	Continued use of the internally illuminated fascia surrounding the ATM	Approved	18-May-16	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strStreet=21500287&strStreetTxt=CLOCKHOUSE%20LANE%20FELTHAM&strWard=00ATFY&str

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1884	Hounslow Borough Council	CLOCKHOUSE SERVICE STATION CLOCKHOUSE LANE FELTHAM TW14 8RX	P/2016/2334	Retrospective application for the installation of ATM in purpose built cabinet	Approved	07/09/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strStreet=21500287&strStreetTxt=CLOCKHOUSE%20LANE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1885	Hounslow Borough Council	CLOCKHOUSE SERVICE STATION CLOCKHOUSE LANE FELTHAM LONDON TW14 8RD	P/2015/1095	Installation of 4 No. externally illuminated hanging Wave signs, 1 No. externally illuminated Blade sign, 5 No. non-illuminated hanging Koala signs and 10 No. non-illuminated hanging Pump number signs	Approved	08/05/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strStreet=21500287&strStreetTxt=CLOCKHOUSE%20LANE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1886	Hounslow Borough Council	LAND AT BEDFONT LAKES CLOCKHOUSE LANE FELTHAM LONDON TW14 8RD	P/2014/0322	Erection of a 426 guestroom hotel, consisting of conferencing and meeting facilities, restaurant and bar, health club and swimming pool, extensive landscaping, parking and associated development	Approved	02/04/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strStreet=21500287&strStreetTxt=CLOCKHOUSE%20LANE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1887	Hounslow Borough Council	Land at CLOCKHOUSE LANE FELTHAM LONDON TW14 8QA	P/2012/1038	Erection of a storage and distribution warehouse (Class B8) with ancillary offices and associated development, including access and car parking on land at Bedfont Lakes, Clockhouse lane, Bedfont	Approved	02/04/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strStreet=21500287&strStreetTxt=CLOCKHOUSE%20LANE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1888	Hounslow Borough Council	ROUNDAABOUT BEDFONT ROAD/ NEW SQUARE STANWELL LONDON	P/2014/2478	Erection of 4 non illuminated advertisement signs	Approved	02/09/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501660&strStreetTxt=BEDFONT%20ROAD%20STAINES&strWard=00ATFY&strAppTyp=ALL&str



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1889	Hounslow Borough Council	BEDFONT ROAD STANWELL LONDON	P/2013/2332	Replacement of a 11.8 Metre column in-situ with a new 12.5 metre high streetworks column and one additional equipment cabinet at ground level	Approved	30/08/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501660&strStreetTxt=BEDFONT%20ROAD%20STAINES&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypT xt=All%20Application%20Type s&strArea=ALL&strAreaT xt=All %20Areas&strLimit=500
1890	Hounslow Borough Council	19 PEACOCK AVENUE FELTHAM TW14 8ET	P/2017/4672	Erection of a single storey rear extension to the house following demolition of existing rear extension.	Approved	15/01/2018	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500869&strStreetTxt=PEACOCK%20AVENUE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypT xt=All%20Application%20Types&strArea=ALL&strAreaT xt=All%20Areas&strLimit=500
1891	Hounslow Borough Council	47 PEACOCK AVENUE FELTHAM TW14 8ET	P/2017/4496	Erection of a two storey side extension to the house.	Approved	15/01/2018	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500869&strStreetTxt=PEACOCK%20AVENUE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypT xt=All%20Application%20Types&strArea=ALL&strAreaT xt=All%20Areas&strLimit=500
1892	Hounslow Borough Council	FAIRHOLME PRIMARY SCHOOL PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2016/0548	Construction of a Permeable Sports tarmac 'Multi Use Games Area' (MUGA) measuring 17 metres x 34 metres with a three metre high green colour-coated weldmesh fence around it on the North end of the Playing Field and a path linking it to the playground	Approved	25/05/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500869&strStreetTxt=PEACOCK%20AVENUE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypT xt=All%20Application%20Types&strArea=ALL&strAreaT xt=All%20Areas&strLimit=500
1893	Hounslow Borough Council	9 PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2014/3503	Erection of a detached garage	Approved	22/10/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=2150086



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1894	Hounslow Borough Council	10 PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2014/2346	Erection of a part single storey, part two storey side and rear extension	Approved	26/08/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500869&strStreetTxt=PEACOCK%20AVENUE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1895	Hounslow Borough Council	FAIRHOLME PRIMARY SCHOOL PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2014/1715	Retention of existing mobile classroom	Approved	04/11/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500869&strStreetTxt=PEACOCK%20AVENUE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1896	Hounslow Borough Council	FAIRHOLME PRIMARY SCHOOL PEACOCK AVENUE FELTHAM LONDON TW14 8ET	P/2013/0735	Removal of two mobile classrooms, erection of two single storey rear extensions and expansion of school by one form of entry to three forms of entry, reconfiguration of car parking layout	Approved	14/06/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500869&strStreetTxt=PEACOCK%20AVENUE%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1897	Hounslow Borough Council	24 GRAFTON COURT FELTHAM LONDON TW14 8SL	P/2014/5078	Replacement of six windows and one front door from wood to UPVC	Approved	18/03/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501606&strStreetTxt=GRAFTON%20COURT%20FELTHAM&strWard=00ATFY&strAppTyp=ALL&strWardTxt=Bedfont&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1898	Hounslow Borough Council	SURREY FIRE AND SAFETY LTD CHALLENGE ROAD ASHFORD TW15 1AX	P/2017/4498	Certificate of lawfulness for the use of a room as a mini cab office	Approved	29/11/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501366&strStreetTxt=CHALLENGE%20ROAD%20ASHFORD&strWard=00ATGE&strAppTyp=ALL&strWardTxt=Feltham%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1899	Hounslow Borough Council	JHF CHALLENGE ROAD ASHFORD TW15 1AX	P/2016/5648	Erection of a rear extension to distribution warehouse	Approved	15/02/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501366&strStreetTxt=CHALLENGE%20ROAD%20ASHFORD&strWard=00ATGE&strAppTyp=ALL&strWardTxt=Feltham%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1900	Hounslow Borough Council	UNIT 5 MERESIDE PARK SHIELD ROAD ASHFORD TW15 1BL	P/2016/3112	Insertion of ground floor windows and ventilation louvres into the front elevation of an existing industrial property.	Approved	19/08/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501367&strStreetTxt=SHIELD%20ROAD%20ASHFORD&strWard=00ATGE&strAppTyp=ALL&strWardTxt=Feltham%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1901	Hounslow Borough Council	UNITS 17-26 ASHFORD INDUSTRIAL ESTATE SHIELD ROAD ASHFORD LONDON TW15 1AU	P/2013/1601	Change of use of Units 17 and 21 for Class B1(c) light industry and/ or Class B8 (storage and distribution) and change of use of Units 18-20 and 22-26 inclusive for Class B1 (c) light industry, Class B2 (general industrial) and/or Class B8 (storage and distribution)	Approved	27/09/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501367&strStreetTxt=SHIELD%20ROAD%20ASHFORD&strWard=00ATGE&strAppTyp=ALL&strWardTxt=Feltham%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1902	Spelthorne Borough Council	Brett Aggregates Limited, Hithermoor Quarry, Leylands Lane, Stanwell Moor,	15/01243/SCC	Construction and use of a soil treatment facility.	Approved	16/12/2015	http://my.spelthorne.gov.uk/planningpublisher.aspx?requesttype=parsetemplate&template=DCApplication.tmplt&basepage=planningpublisher.aspx&Filt

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
		Staines-upon-Thames, TW19 6AZ					er=^REFVAL^=%2715/01243/SCC%27
1903	Hounslow Borough Council	15 CARDINGTON SQUARE HOUNSLOW TW4 6AH	P/2017/1664	Certificate of Lawfulness for the erection of a rear roof extension with juliette balcony incorporating hip to gable conversion and two front roof windows to the house.	Approved	24/04/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppType=ALL&strWardTxt=Hounslow%20West&strAppTypeTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1904	Hounslow Borough Council	83 CARDINGTON SQUARE HOUNSLOW TW4 6AJ	PA/2017/1395	Ground floor rear extension 4 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior Approval is Not Required	04/05/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppType=ALL&strWardTxt=Hounslow%20West&strAppTypeTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1905	Hounslow Borough Council	85 CARDINGTON SQUARE HOUNSLOW TW4 6AJ	PA/2017/1219	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	18/04/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppType=ALL&strWardTxt=Hounslow%20West&strAppTypeTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1906	Hounslow Borough Council	62 CARDINGTON SQUARE HOUNSLOW LONDON TW4 6AJ	P/2015/2549	Erection of a side and rear roof extension to the first floor flat. Installation of front velux rooflight.	Approved	17/09/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppType=ALL&strWardTxt=Hounslow%20West&strAppTypeTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1907	Hounslow Borough Council	112 CARDINGTON SQUARE HOUNSLOW LONDON TW4 6AL	PA/2014/0623	Ground floor rear extension 6 metres deep, maximum height of 3.1 metres, 2.9 metres high to the eaves	Prior Approval is Not Required	31/03/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppTyp=ALL&strWardTxt=Hounslow%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1908	Hounslow Borough Council	126 Cardington Square Hounslow London TW4 6AL	PA/2014/0024	Ground floor rear extension 6 metres deep, maximum height of xx metres, xx metres high to the eaves	Prior Approval is Not Required	04/03/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppTyp=ALL&strWardTxt=Hounslow%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1909	Hounslow Borough Council	132 CARDINGTON SQUARE HOUNSLOW LONDON TW4 6A	P/2013/2712	Erection of a part first floor extension to the rear	Approved	25/10/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppTyp=ALL&strWardTxt=Hounslow%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1910	Hounslow Borough Council	100 CARDINGTON SQUARE HOUNSLOW LONDON TW4 6AJ	P/2013/2634	Certificate of Lawfulness for the proposed erection of a hip-to-gable rear roof extension	Lawful	25/09/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUNSLOW&strWard=00ATGP&strAppTyp=ALL&strWardTxt=Hounslow%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1911	Hounslow Borough Council	132 CARDINGTON SQUARE HOUNSLOW LONDON TW4 6AL	PA/2013/1841	Ground floor rear extension 5.95 meters deep, 2.6 meters high to the eaves, with a maximum height of 3.0 meters	Prior Approval is Not Required	12/07/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=2150020

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							5&strStreetTxt=CARDINGTON%20SQUARE%20HOUSLOW&strWard=00ATGP&strAppTyp=ALL&strWardTxt=Hounslow%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1912	Hounslow Borough Council	126 Cardington Square Hounslow London TW4 6AL	P/2013/1313	Erection of a single storey rear extension to the house.	Approved	17/06/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500205&strStreetTxt=CARDINGTON%20SQUARE%20HOUSLOW&strWard=00ATGP&strAppTyp=ALL&strWardTxt=Hounslow%20West&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1913	London Borough of Hounslow	7A RIVER GARDENS FELTHAM TW14 0RE	P/2017/2265 00944/7A/P2	Erection of a single storey rear extension to the ground floor flat	Approved	20/07/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500944&strStreetTxt=RIVER%20GARDENS%20FELTHAM&strWard=ALL&strAppTyp=ALL&strWardTxt=All%20Wards&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1914	London Borough of Hounslow	11A RIVER GARDENS FELTHAM LONDON TW14 0RE	P/2015/0060	Details of gas proof membrane submitted pursuant to Condition 4 of planning permission 00944/11A/P1 dated 17/10/2014 for the erection of a single storey rear extension	Approved	28.01.2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500944&strStreetTxt=RIVER%20GARDENS%20FELTHAM&strWard=ALL&strAppTyp=ALL&strWardTxt=All%20Wards&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1915	London Borough of Hounslow	11A RIVER GARDENS FELTHAM LONDON TW14 0RE	P/2014/3497	Erection of a single storey rear extension	Approved	17/10/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500944&strStreetTxt=RIVER%20GARDENS%20FELTHAM&strWard=ALL&strAppTyp=ALL&strWardTxt=All%20Wards&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1916	London Borough of Hounslow	650 RIVER GARDENS FELTHAM LONDON TW14 0RB	P/2013/3079	Erection of two non-illuminated freestanding pole mounted signs to the front of the site and a non-illuminated fascia sign to the building.	Approved	25/10/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500944&strStreetTxt=RIVER%20GARDENS%20FELTHAM&strWard=ALL&strAppTyp=ALL&strWardTxt=All%20Wards&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1917	London Borough of Hounslow	649 RIVER GARDENS FELTHAM LONDON TW14 0RB	P/2013/3057	Installation of various non-illuminated signs to the existing building	Approved	25/10/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500944&strStreetTxt=RIVER%20GARDENS%20FELTHAM&strWard=ALL&strAppTyp=ALL&strWardTxt=All%20Wards&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1918	London Borough of Hounslow	4 RIVER GARDENS FELTHAM LONDON TW14 0RD	P/2013/0724	Erection of a detached flat roof garden storage building and construction of crossover to front of house	Approved	29/05/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500944&strStreetTxt=RIVER%20GARDENS%20FELTHAM&strWard=ALL&strAppTyp=ALL&strWardTxt=All%20Wards&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1919	London Borough of Hounslow	24 MILL WAY FELTHAM LONDON TW14 0JX	P/2014/0430	Certificate of lawfulness for the proposed erection of a rear roof extension	Granted (Full Planning Permission Not Required)	03/04/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500760&strStreetTxt=MILL%20WAY%20FELTHAM&strWard=00A TGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1920	London Borough of Hounslow	36 MILL WAY FELTHAM LONDON TW14 0JX	P/2013/2698	Extension of a single storey front garage extension to the house	Approved	03/12/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500760&strStreetTxt=MILL%20WAY%20FELTHAM&strWard=00A TGD&strAppTyp=ALL&strWard

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							dTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1921	London Borough of Hounslow	Units 2-3 and Units 6-7 Space Way and 27 CENTRAL WAY FELTHAM TW14 0TH	P/2017/3547	Variation of condition 2 (approved plans) to install two additional louvres and reposition one louvre to Unit A, omit one louvre on Unit B and install two additional louvres to Unit C of planning permission 01378/B/P1 approved 19/05/2016 for the erection of three buildings for flexible Use Class B1(c) (light industry), B2 (general industry) and/or B8 (storage or distribution) purposes with ancillary B1(a) (office) floor space; service yards; vehicle and cycle parking; alterations to vehicular accesses; landscaping; boundary treatment; external lighting; plant and associated engineering works.	Approved with a Legal Agreement	05/02/2018	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1922	London Borough of Hounslow	Units 2-3 and Units 6-7 Space Way and 27 CENTRAL WAY FELTHAM TW14 0TH	P/2017/3202	Non material amendment to the approved plans of planning permission 01378/B/P1 approved 19/05/2016	Non Material Amendment Approved	16/08/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1923	London Borough of Hounslow	UNIT 5 MARLIN PARK CENTRAL WAY FELTHAM TW14 0AN	P/2017/0560	Installation of windows to south east elevation and installation of 140 photovoltaic solar panels on rooftop of the building.	Approved	02/05/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1924	London Borough of Hounslow	606 CENTRAL WAY FELTHAM TW14 0RX	P/2017/1403	Prior approval for the installation of 177kwp Solar Photovoltaics (PV) equipment across the roof top of the building	Prior Approval Needed and Granted	16/12/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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1925	London Borough of Hounslow	606 CENTRAL WAY FELTHAM TW14 0RX	P/2017/0550	Change of use of existing building on the site from B8 (storage and distribution) to alternative B1 (c) (light industrial) / B2 (general industrial) / B8 (storage and distribution) use	Approved	10/05/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1926	London Borough of Hounslow	735 CENTRAL WAY FELTHAM TW14 0UD	P/2016/2796	Installation of 1 non-illuminated fascia sign and 1 non-illuminated totem sign	Approved	04/08/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1927	London Borough of Hounslow	Units 2-3 and Units 6-7 Space Way and 27 CENTRAL WAY FELTHAM LONDON TW14 0TH	P/2016/0574	Erection of three buildings for flexible Use Class B1(c) (light industry), B2 (general industry) and/or B8 (storage or distribution) purposes with ancillary B1(a) (office) floor space; service yards; vehicle and cycle parking; alterations to vehicular accesses; landscaping; boundary treatment; external lighting; plant and associated engineering works.	Approved with a Legal Agreement	19/05/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1928	London Borough of Hounslow	600 CENTRAL WAY FELTHAM LONDON TW14 0RX	P/2015/4196	Installation of four non-illuminated panel signs	Approved	12/11/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1929	London Borough of Hounslow	FALCON HOUSE OFFICE S1A 2nd FLOOR CENTRAL WAY FELTHAM LONDON TW14 0RX	P/2015/1384	Certificate of lawfulness to operate a chauffeur business with no visiting drivers or customers	Lawful (Full Planning Permission Not Required)	27/05/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							9&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1930	London Borough of Hounslow	UNIT 6 MERCURY CENTRE CENTRAL WAY FELTHAM LONDON TW14 0RN	P/2014/3203	Change of use from B8 (Storage or distribution) to B2 (General Industrial)	Approved	29/09/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1931	London Borough of Hounslow	BRADLEY BUSINESS CENTRE CENTRAL WAY NORTH FELTHAM TRADING ESTATE FELTHAM LONDON TW14 0XQ	PA/2013/3406	Prior approval for change of use from B1 to C3 for the offices	Prior Approval Does Not Comply	06/11/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500229&strStreetTxt=CENTRAL%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1932	London Borough of Hounslow	117 HOUNSLOW ROAD FELTHAM TW14 0BB	P/2017/0843	Erection of a single storey rear extension.	Approved	17/05/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1933	London Borough of Hounslow	117 HOUNSLOW ROAD FELTHAM TW14 0BB	P/2017/0802	Certificate of Lawfulness for the erection of two side roof extensions with windows to each elevation at the first floor level	Granted (Full Planning Permission Not Required)	13/04/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Applic

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1934	London Borough of Hounslow	137 HOUNSLOW ROAD FELTHAM LONDON TW14 0BL	PA/2016/4038	Ground floor rear extension 4m deep, 3m high to the eaves with the maximum height of 4m.	Prior Approval is Not Required	25/10/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1935	London Borough of Hounslow	Telephone kiosk outside 17 Station Parade HOUNSLOW ROAD FELTHAM TW14 9DE	P/2016/3482	Internally illuminated digital panel as integral part of telephone kiosk.	Approved	14/12/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1936	London Borough of Hounslow	184 HOUNSLOW ROAD FELTHAM TW14 0BW	P/2016/3124	Erection of a single storey side extension	Approved	22/08/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1937	London Borough of Hounslow	164 HOUNSLOW ROAD FELTHAM TW14 0BW	PA/2016/2371	Ground floor rear extension 4.1m deep, 2.850m high to the eaves with the maximum height of 4m.	Prior Approval is Not Required	29/06/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1938	London Borough of Hounslow	99A HOUNSLOW ROAD FELTHAM LONDON TW14 0BB	PA/2016/1668	Ground floor rear extension 6m deep, 2.65m high to the eaves with the maximum height of 2.74m.	Prior Approval is Not Required	19/05/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1939	London Borough of Hounslow	206 HOUNSLOW ROAD FELTHAM LONDON TW14 0BW	PA/2016/0797	Single storey rear extension. Ground floor rear extension 5.75 metres deep, maximum height of 3.17 metres, 2.56 metres high to the eaves.	Prior Approval is Not Required	31/03/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1940	London Borough of Hounslow	3 BABER BRIDGE PARADE HOUNSLOW ROAD FELTHAM LONDON TW14	P/2015/4428	Variation of Condition 4 - hours of operation (pursuant to 01054/P3/P2) to allow for the premises to be used between 9am and 10pm Monday to Sunday all year round	Approved 01/12/2015	01/12/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1941	London Borough of Hounslow	ELDRIDGE HOUSE 104-106 HOUNSLOW ROAD FELTHAM TW14 0BD	P/2017/0559	Details of acoustic insulation submitted pursuant to condition 9 of planning permission 00631/M/P1 dated 01/03/2012 for demolition of existing care home and erection of a new part 2 part 3 storey 60 bedroom care home.	Approved	01/02/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1942	London Borough of Hounslow	184 HOUNSLOW ROAD FELTHAM LONDON TW14 0BW	PA/2014/3868	Ground floor rear extension 6 metres deep, maximum height of 2.95 metres, 2.75 metres high to the eaves	Prior Approval is Not Required	27/10/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							1&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1943	London Borough of Hounslow	186 HOUNSLOW ROAD FELTHAM LONDON TW14 0BW	P/2014/1629	Certificate of Lawfulness for the erection of a rear roof extension and insertion of 2 front roof windows	Lawful (Full Planning Permission Not Required) 20/06/2014		http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1944	London Borough of Hounslow	186 HOUNSLOW ROAD FELTHAM LONDON TW14 0BW	PA/2014/1630	Ground floor rear extension 6 metres deep, 2.8 metres high to eaves with a maximum height of 3.4 metres	Prior Approval is Not Required	05/06/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1945	London Borough of Hounslow	95 HOUNSLOW ROAD FELTHAM LONDON TW14 0BB	PA/2013/3169	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	08/10/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500631&strStreetTxt=HOUNSLOW%20ROAD%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1946	London Borough of Hounslow	30 LANSBURY AVENUE FELTHAM TW14 0JP	PA/2017/4930	Ground floor rear extension 6m deep, with the maximum height of 2.87m and 2.48m high to the eaves.	Prior Approval is Not Required	21/12/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Ap

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
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1947	London Borough of Hounslow	16 LANSBURY AVENUE FELTHAM TW14 0JP	P/2017/4755	Retrospective application for the erection of a single storey side and rear extension to the house Click here to comment on this application	In progress		http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1948	London Borough of Hounslow	20 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	P/2017/4424	Certificate of lawfulness for the erection of a detached single storey outbuilding to the rear of the house.	Granted (Full Planning Permission Not Required)	13/12/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1949	London Borough of Hounslow	26A LANSBURY AVENUE FELTHAM TW14 0JP	P/2017/3503	Formation of a vehicular access to the front of the property	Approved	20/10/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1950	London Borough of Hounslow	28A LANSBURY AVENUE FELTHAM TW14 0JP	P/2017/2861	Construction of vehicular access to the flat	Approved	02/11/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

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Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1951	London Borough of Hounslow	35 LANSBURY AVENUE FELTHAM LONDON TW14 0JN	PA/2017/2407	Ground floor rear extension 6m deep, 2.7m high to the eaves with the maximum height of 3m.	Prior Approval is Not Required	12/07/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1952	London Borough of Hounslow	35 LANSBURY AVENUE FELTHAM TW14 0JN	P/2017/1640	Construction of single storey rear extension.	No Further Action	20/04/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1953	London Borough of Hounslow	35 LANSBURY AVENUE FELTHAM TW14 0JN	PA/2017/1678	Ground floor rear extension 6 metres deep, maximum height of 3.3 metres, 3 metres high to the eaves.	Prior Approval Does Not Comply	17/05/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1954	London Borough of Hounslow	35 LANSBURY AVENUE FELTHAM TW14 0JN	P/2017/0950	Construction of single story rear extension. We already have 3 meter rear extension, we want to further extend it by another 3 meters, so it will be extended from current 3 meters to 6 meters.	No Further Action	07/03/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1955	London Borough of Hounslow	35 LANSBURY AVENUE FELTHAM TW14 0JN	PA/2017/0984	Ground floor rear extension 6 metres deep, maximum height of 3.3 metres, 3 metres high to the eaves.	Prior Approval Does Not Comply	13/04/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=2150067

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							9&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1956	London Borough of Hounslow	64 LANSBURY AVENUE FELTHAM TW14 0JR	P/2016/5291	Retrospective application for erection of a single storey outbuilding at the rear garden of the house.	Approved	16/01/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1957	London Borough of Hounslow	77 LANSBURY AVENUE FELTHAM TW14 0JW	P/2016/5175	Erection of an outbuilding in rear garden for use as a gym	Approved	24/01/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1958	London Borough of Hounslow	77 LANSBURY AVENUE FELTHAM TW14 0JW	PA/2016/4992	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	12/12/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1959	London Borough of Hounslow	46 LANSBURY AVENUE FELTHAM TW14 0JP	PA/2016/3265	Ground floor rear extension 4 metres deep, maximum height of 2.7 metres, 2.550 metres high to the eaves	Prior Approval is Not Required	09/08/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Ap

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							plication%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1960	London Borough of Hounslow	23 LANSBURY AVENUE FELTHAM LONDON TW14 0JN	PA/2016/2507	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3.66m.	Prior Approval is Not Required	05/07/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1961	London Borough of Hounslow	37 LANSBURY AVENUE FELTHAM LONDON TW14 0JN	PA/2015/2466	Ground floor rear extension 6 metres deep, maximum height of 3.3 metres, 3 metres high to the eaves	Prior Approval is Not Required	17/07/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1962	London Borough of Hounslow	64 LANSBURY AVENUE FELTHAM LONDON TW14 0JR	PA/2015/1665	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	18/05/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1963	London Borough of Hounslow	37 LANSBURY AVENUE FELTHAM LONDON TW14 0JN	PA/2015/0955	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is Not Required	14/04/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1964	London Borough of Hounslow	38 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	P/2014/3023	Certificate of lawfulness for a single storey rear extension to the house	Not Lawful (Full Planning Permission Required)	12/08/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1965	London Borough of Hounslow	36 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	P/2014/1011	Certificate of Lawfulness for the proposed erection of single storey rear extension to be built before 30th may 2016.	Lawful (Full Planning Permission Not Required)	20/05/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1966	London Borough of Hounslow	38 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	PA/2014/0807	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.84 metres high to the eaves	Prior Approval is Not Required	08/04/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1967	London Borough of Hounslow	36 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	PA/2014/0248	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.84 metres high to the eaves	Prior Approval is Not Required	06/03/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1968	London Borough of Hounslow	56 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	PA/2014/0043	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.64 metres high to the eaves	Prior Approval is Not Required	17/02/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=2150067

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							9&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1969	London Borough of Hounslow	58 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	PA/2013/4372	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.64 metres high to the eaves.	Prior Approval is Not Required	22/01/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1970	London Borough of Hounslow	56 LANSBURY AVENUE FELTHAM LONDON TW14 0JP	PA/2013/4130	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.64 metres high to the eaves	Prior Approval Needed and Refused	24/12/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1971	London Borough of Hounslow	107 LANSBURY AVENUE FELTHAM LONDON TW14 0JW	PA/2013/3309	Ground floor rear extension 6 metres deep, maximum height of 2.891 metres, 2.691 metres high to the eaves	Prior Approval is Not Required	17/10/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500679&strStreetTxt=LANSBURY%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1972	London Borough of Hounslow	14 BEESTON WAY FELTHAM LONDON TW14 0HB	PA/2017/1210	Ground floor rear extension 4m deep, 2.780m high to the eaves with the maximum height of 3.439m.	Prior Approval is Not Required	24/04/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500101&strStreetTxt=BEESTON%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							n%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1973	London Borough of Hounslow	93 BEESTON WAY FELTHAM TW14 0EU	P/2016/2686	Erection of a single storey side extension to the house	Approved	02/08/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500101&strStreetTxt=BEESTON%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1974	London Borough of Hounslow	93 BEESTON WAY FELTHAM LONDON TW14 0EU	P/2016/0804	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Granted (Full Planning Permission Not Required)	14/04/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21500101&strStreetTxt=BEESTON%20WAY%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1975	London Borough of Hounslow	26 VIOLA AVENUE FELTHAM LONDON TW14 0EW	P/2014/4012	Erection of a single storey rear extension to the house	Approved	21/11/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501159&strStreetTxt=VIOLA%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1976	London Borough of Hounslow	35 VIOLA AVENUE FELTHAM LONDON TW14 0EP	P/2013/2212	Erection of a single storey ground floor side and rear extension	Approved	09/10/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501159&strStreetTxt=VIOLA%20AVENUE%20FELTHAM&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1977	London Borough of Hounslow	UNIT 9 FAIRWAY CLOSE HOUNSLOW TW4 6BU	P/2016/3839	Installation of an additional single window to the service yard elevation	Approved	19/10/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501517&strStreetTxt=FAIRWAY%20CLOSE%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1978	London Borough of Hounslow	UNIT 9 FAIRWAY ESTATE FAIRWAY CLOSE HOUNSLOW LONDON TW4 6BU	P/2016/0871	Details of service yard plan pursuant to condition 3 of planning permission 01517/9/P3 dated 25/01/2016 for erection and installation of a new canopy, fence, roller shutters, vents and stands for storage of structural steel to the existing industrial building	Approved	21/07/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501517&strStreetTxt=FAIRWAY%20CLOSE%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1979	London Borough of Hounslow	UNIT 9 FAIRWAY ESTATE FAIRWAY CLOSE HOUNSLOW LONDON TW4 6BU	P/2015/5254	Erection and installation of a new canopy, fence, roller shutters, vents and stands for storage of structural steel to the existing industrial building	Approved	25/01/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501517&strStreetTxt=FAIRWAY%20CLOSE%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1980	London Borough of Hounslow	UNIT 9 FAIRWAY ESTATE FAIRWAY CLOSE HOUNSLOW LONDON TW4 6BU	P/2015/1080	Change of use from B8 (storage and distribution) to alternative B1(c) (light industrial) / B2 (general industrial) / B8 (storage and distribution) use	Approved	15/05/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501517&strStreetTxt=FAIRWAY%20CLOSE%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1981	London Borough of Hounslow	SUITE 202 JOLYON HOUSE AMBERLEY WAY HOUNSLOW TW4 6BH	P/2017/3147	Certificate of lawfulness for the use of the room as a chauffeur booking office with no 'pick-ups' or 'drop-offs', no customers or drivers at the premises.	Granted (Full Planning Permission Not Required)	14/09/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=2150127

Heathrow Expansion

Approach to assessing cumulative effects



No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							2&strStreetTxt=AMBERLEY%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1982	London Borough of Hounslow	UNIT 6 FREEHOLD INDUSTRIAL CENTRE AMBERLEY WAY HOUNSLOW TW4 6BX	P/2016/2539	Change of use from warehouse/store to garage workshop and MOT station	Approved	05/12/2016	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501272&strStreetTxt=AMBERLEY%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1983	London Borough of Hounslow	1B AMBERLEY WAY HOUNSLOW LONDON	P/2015/0053	Sub-division of existing warehouse into 4 no. self-contained units with own delivery area and parking. Erection of a single storey front extension and raising of roof level. Increased width of cross-over for deliveries and parking	Approved	22/05/2015	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501272&strStreetTxt=AMBERLEY%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1984	London Borough of Hounslow	AMBERLEY WORKS AMBERLEY WAY HOUNSLOW LONDON TW4 6BH	P/2014/2952	Replacement of 6 antennas with ancillary works (one month notice)	Approved	14/08/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501272&strStreetTxt=AMBERLEY%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1985	London Borough of Hounslow	18 - 21 SKYNET HOUSE PULBOROUGH WAY HOUNSLOW TW4 6DE	P/2017/2894	Erection of a single storey extension to the southwest elevation of the existing warehouse	Approved	11/12/2017	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20A



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
							pplication%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1986	London Borough of Hounslow	19 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/4397	Installation of 3x sets of built up channel letters with backlit - LED illumination to be fixed to 3x external walls	Approved	18/12/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20A pplication%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1987	London Borough of Hounslow	678 PULBOROUGH WAY HOUNSLOW LONDON	P/2014/3876	Non Material amendment sought for an amendment to the vehicle layout, external Lighting, vehicle wash area, vehicle access gate and CCTV following planning number 01275/678/P1 dated 05/06/2013 for the use of the existing building and open land for storage and distribution (B8), including provision of hard-standing and soft landscaping, erection of new fencing and gates; CCTV and lighting columns and a vehicle wash with associated drainage works.	Non Material Amendment Approved	22/10/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20A pplication%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1988	London Borough of Hounslow	5 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/0847	Non material amendment sought to planning application reference no 01275/B/P1dated 21/09/2004 for formation of a recess into the loading bays, alteration to the profile of the cladding on the side and rear elevations, roof raised in height from 8m to 9m to haunch and alteration to the car parking layout.	Non Material Amendment Approved	02/04/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20A pplication%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1989	London Borough of Hounslow	18-21 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/0224	Non material amendment to allow the number of proposed electric vehicle charging spaces increased from 3 to 4, to amend the proposed layout of hard and soft landscaping to the front of the building incorporating two pedestrian accesses onto Green Lane and Lawrence Rd, to increase in Finished Floor Level (FFL) of the building by 250mm from 21.700 AOD to 21.950 AOD, with resultant slight amendment to footpath gradient at the front of the building to enable disabled access, to add an additional condenser compound to the south east corner of the service yard, which will accommodate the cooling system for the warehouse & to alter site levels at various points across the site by a few millimetres, of planning permission 01275/18-21/P1 dated 29/11/2013 for the redevelopment of the site to provide an industrial/warehousing redevelopment.	Non Material Amendment Approved	14/02/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20A pplication%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500



Heathrow Expansion

Approach to assessing cumulative effects

No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1990	London Borough of Hounslow	18-21 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2014/0224	Non material amendment to allow the number of proposed electric vehicle charging spaces increased from 3 to 4, to amend the proposed layout of hard and soft landscaping to the front of the building incorporating two pedestrian accesses onto Green Lane and Lawrence Rd, to increase in Finished Floor Level (FFL) of the building by 250mm from 21.700 AOD to 21.950 AOD, with resultant slight amendment to footpath gradient at the front of the building to enable disabled access, to add an additional condenser compound to the south east corner of the service yard, which will accommodate the cooling system for the warehouse & to alter site levels at various points across the site by a few millimetres, of planning permission 01275/18-21/P1 dated 29/11/2013 for the redevelopment of the site to provide an industrial/warehousing redevelopment.	Non Material Amendment Approved	14/02/2014	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1991	London Borough of Hounslow	18-21 PULBOROUGH WAY HOUNSLOW LONDON TW4 6DE	P/2013/3262	Redevelopment of the site to provide a 4,544.4sqm industrial/ warehouse unit B1(c), B2 or B8 use, with ancillary offices, and ancillary B1(a) office use, service yard, access, landscaping, car parking, cycle shelter, plant, fencing, bollards, CCTV and lighting columns	Approved with a Legal Agreement	29/11/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1992	London Borough of Hounslow	678 PULBOROUGH WAY HOUNSLOW LONDON	P/2013/0336	Use of the existing building and open land for storage and distribution (B8), including provision of hard-standing and soft landscaping, erection of new fencing and gates; CCTV and lighting columns and a vehicle wash with associated drainage works.	Approved	05/06/2013	http://planning.hounslow.gov.uk/planning_summary.aspx?strWeekListType=SRCH&strRecTo=01/03/2018&strRecFrom=01/01/2013&strStreet=21501275&strStreetTxt=PULBOROUGH%20WAY%20HOUNSLOW&strWard=00ATGD&strAppTyp=ALL&strWardTxt=Feltham%20North&strAppTypTxt=All%20Application%20Types&strArea=ALL&strAreaTxt=All%20Areas&strLimit=500
1993	Hounslow	FAGGS CORNER JUNCTION OF FAGGS ROAD & STAINES ROAD FELTHAM LONDON TW14 9EE	P/2017/5360	Notification for the addition of 2 small equipment cabinets and ancillary equipment.	No further action required	22/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5360
1994	Hounslow	150 STAINES ROAD FELTHAM TW14 9ED	P/2017/5087	Retrospective application for change of use of detached store at rear of site to B1 (Light Industrial)	In Progress	Received 04/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5087
1995	Hounslow	172 STAINES ROAD FELTHAM TW14 9ED	PA/2017/2684	Ground floor rear extension 6 metres deep, maximum height of 3.3 metres, 3 metres high to the eaves	Prior Approval not required	03/08/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/2684
1996	Hounslow	FLAT GROUND FLOOR 113A STAINES ROAD FELTHAM TW14 0JS	P/2017/0872	Erection of a single storey rear extension to the ground floor flat.	Approved	24/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0872

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
1997	Hounslow	59 STAINES ROAD FELTHAM LONDON TW14 0JS	PA/2017/0144	Ground floor rear extension 4m deep, 3m high to the eaves with the maximum height of 3m.	Prior Approval not required	02/02/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0144
1998	Hounslow	117 STAINES ROAD FELTHAM TW14 0JS	PA/2016/5451	Ground floor rear extension 6 metres deep, maximum height of 3.135 metres, 3 metres high to the eaves	Prior Approval is not required	09/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5451
1999	Hounslow	211 STAINES ROAD FELTHAM TW14 9EB	P/2016/5395	Erection of a rear roof extension with roof windows to the front and a side window at ground floor level to the house.	Approved	25/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/5395
2000	Hounslow	107 STAINES ROAD, FELTHAM, TW14 0JS	PA/2016/5202	Ground floor rear extension 5.030 metres deep, maximum height of 2.978 metres, 2.625 metres high to the eaves	Prior Approval not required	12/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5202
2001	Hounslow	131 STAINES ROAD FELTHAM LONDON TW14 0JS	P/2016/2005	Certificate of Lawfulness for the erection of a rear roof extension with hip to gable conversion and front roof windows	Granted	16/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2005
2002	Hounslow		P/2016/2005	Ground floor rear extension 4 metres deep, maximum height of 3 metres, 2.85 metres high to the eaves	Granted	29/04/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/2005
2003	Hounslow		PA/2016/2009	Ground floor rear extension 4 metres deep, maximum height of 3 metres, 2.85 metres high to the eaves	Prior Approval is not required	02/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2009
2004	Hounslow	150 STAINES ROAD FELTHAM TW14 9ED	P/2016/1702	Erection of a single storey rear extension to be used as seating for restaurant	Approved	13/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1702
2005	Hounslow	44 STAINES ROAD FELTHAM LONDON TW14 0JT	P/2015/4413	Certificate of lawfulness for the existing detached outbuilding in the rear garden used as a gym, play room, store, shower and WC in the rear garden to the house	Approved	23/11/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/4413
2006	Hounslow	MAYFIELD FARM STAINES ROAD BEDFONT LONDON TW14 8RX	P/2015/3013	Installation of head frame on the existing 15m lattice mast and the installation of 9 antennas and 2 microwave dishes and development ancillary thereto	Approved	27/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3013
2007	Hounslow	21 STAINES ROAD FELTHAM LONDON TW14 0JS	P/2015/2550	Erection of 6 flats in a detached two storey block incorporating accommodation in the roof space with associated landscaping and parking	Approved	06/08/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/2550
2008	Hounslow	36-38 STAINES ROAD FELTHAM LONDON TW14 0JT	P/2015/1142	Retention of a single storey side and rear extension to the pre-existing workshop	Approved	17/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1142
2009	Hounslow	89 STAINES ROAD FELTHAM LONDON TW14 0JS	P/2015/1090	Certificate of Lawfulness for erection of a single storey side extension to the house	Granted	18/05/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/1090
2010	Hounslow	87 STAINES ROAD FELTHAM LONDON TW14 0JS	PA/2015/0021	Ground floor rear extension 6.0 metres deep, maximum height of 3.15 metres, 3.0 metres high to the eaves	Prior Approval not required	04/02/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0021
2011	Hounslow	89 STAINES ROAD FELTHAM LONDON TW14 0JS	PA/2014/5106	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.8 metres high to the eaves	Prior Approval not required	15/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/5106
2012	Hounslow	TELECOMMUNICATIONS SITE ADJ TO STAINES ROAD AND GROVESTILE WAY BEDFONT LONDON TW14 8DF	P/2014/4747	Removal of 11.7m streetworks tower and installation of new 12m streetworks tower.	Telecoms Prior Approval granted	12/01/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4747



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
2013	Hounslow	OUTSIDE BEDFONT EVANGELICAL CHURCH STAINES ROAD FELTHAM LONDON TW14	P/2014/4619	Installation of two electronic communications apparatus on behalf of Telefonica UK Ltd and Vodafone Ltd	Telecoms 28 Notification Agreed	04/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4619
2014	Hounslow	PAVEMENT OUTSIDE GRIFFIN CENTRE STAINES ROAD FELTHAM LONDON TW14 0HS	P/2014/4549	Erection of a 15 metre high telecommunication street pole housing 6 antennas and installation of 3 equipment cabinets	Prior Approval granted	24/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4549
2015	Hounslow	87 STAINES ROAD FELTHAM LONDON TW14 0JS	PA/2014/3751	Ground floor rear extension 4.5 metres deep, maximum height of 3.15 metres, 3.0 metres high to the eaves	Prior Approval not required	17/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3751
2016	Hounslow	21 STAINES ROAD FELTHAM LONDON TW14 0JS	P/2014/2710	Erection of six flats in a detached two-storey block with accommodation in the roof space and associated landscaping and parking	Approved	23/02/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2710
2017	Hounslow	MAYFIELD FARM STAINES ROAD FELTHAM LONDON TW14 8RU	P/2014/1772	Installation of three replacement antennas and associated ancillary development	Telecoms 28 Notification Agreed	02/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/1772
2018	Hounslow		P/2013/1069	Swap out the existing antennas	Telecoms 28 Notification Agreed	29/04/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1069
2019	Hounslow	99 STAINES ROAD FELTHAM LONDON TW14 0JS	P/2013/3774	Certificate of Lawfulness required to use this property to receive phone calls, email and online booking for a Cab Business	Granted	24/12/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3774
2020	Hounslow	21 STAINES ROAD, FELTHAM, LONDON	P/2013/0024	Variation of condition 6 (parking layout) of planning permission 01054/21/P4 dated 17/04/2012 to facilitate one additional parking space	Approved	27/02/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0024
2021	Hounslow		P/2013/0025	Installation of various illuminated and non-illuminated signs to the proposed retail unit comprising of fascia, projecting, free standing and car park signage including gantry sign and replacement of existing pub totem sign with Tesco signage	Approved	27/02/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0025
2022	Hounslow		P/2013/0018	Alterations to front and side elevations including the installation of a new shop front and windows	Approved	27/02/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0018
2023	Hounslow		P/2013/0022	Installation of plant equipment and screening	Approved	27/02/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/0022
2024	Hounslow	LAND ADJACENT TO THE LODGE HATTON NURSERY FAGGS ROAD FELTHAM TW14 0LZ	P/2017/2094	The proposed installation comprises a 15m Street Works pole with 3 shrouded antenna at the top and 3 ground based cabinets, plus ancillary equipment	Telecoms Prior Approval granted	11/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/2094
2025	Hounslow	12 FAGGS ROAD FELTHAM TW14 0LG	PA/2016/4249	Ground floor rear extension 6 metres deep, maximum height of 3.527 metres, 2.500 metres high to the eaves	Prior Approval not required	21/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4249
2026	Hounslow	50 FAGGS ROAD FELTHAM LONDON TW14 0LG	PA/2013/4426	Ground floor rear extension 6 metres deep, maximum height of 3.8 metres, 2.4 metres high to the eaves	Prior Approval not required	14/01/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2013/4426
2027	Hounslow	130 Faggs Road Feltham London TW14 0LH	P/2013/1927	Certificate of lawfulness for the proposed erection of a single storey rear extension to the house	Lawful	10/06/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1927



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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
2028	Hounslow	CAA TOWER HEATHROW AIRPORT FAGGS ROAD FELTHAM LONDON TW14 9HJ	P/2013/1307	Replacement of existing telecommunications antennas (One month notice)	Telecoms 28 Notification Agreed	17/05/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1307
2029	Hounslow	113 FIELD ROAD FELTHAM TW14 0BE	P/2017/4148	Certificate of lawfulness for change of use of the existing garage to a personal gym	Granted	24/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4148
2030	Hounslow	106 FIELD ROAD FELTHAM LONDON TW14 0BJ	P/2014/0913	Certificate of Lawfulness for the proposed erection of a hip to gable rear roof extension	Lawful	02/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/0913
2031	Hounslow	58 ROSSLYN AVENUE FELTHAM LONDON TW14 9LQ	PA/2014/3424	Ground floor rear extension 8 metres deep, maximum height of 4 metres, 3 metres high to the eaves	Prior Approval is Not Required	22/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3424
2032	Hounslow	17 ROSSLYN AVENUE FELTHAM LONDON TW14 9LG	P/2016/0737	Erection of a part single storey, part two storey side extension	Approved	02/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0737
2033	Hounslow	48 ROSSLYN AVENUE FELTHAM LONDON TW14 9LQ	PA/2017/0761	Ground floor rear extension 5m deep, 2.88m high to the eaves with the maximum height of 3.3m.	Prior Approval not required	16/03/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/0761
2034	Hounslow	45 BUCKINGHAM AVENUE FELTHAM TW14 9LF	P/2017/4785	Retrospective application for erection of a front porch	Approved	03/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4785
2035	Hounslow	20 BUCKINGHAM AVENUE FELTHAM TW14 9LE	P/2017/1968	Certificate of Lawfulness for erection of a single storey detached outbuilding at the rear garden of the house.	Granted	07/07/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1968
2036	Hounslow	61 BUCKINGHAM AVENUE FELTHAM TW14 9LF	P/2016/4324	Erection of a single storey side and rear extension	Approved	09/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4324
2037	Hounslow	35 BUCKINGHAM AVENUE FELTHAM LONDON TW14 9LF	PA/2015/0647	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 3 metres high to the eaves	Prior Approval is not required	26/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0647
2038	Hounslow	54 BUCKINGHAM AVENUE FELTHAM LONDON TW14 9LE	P/2013/3337	Erection of a single storey rear extension	Approved	07/11/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/3337
2039	Hounslow	56 GLADSTONE AVENUE FELTHAM LONDON TW14 9LL	PA/2017/3264	Ground floor rear extension 6 metres deep, maximum height of 3 metres, 2.95 metres high to the eaves	Prior Approval not required	06/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3264
2040	Hounslow	93 BURNS AVENUE FELTHAM LONDON TW14 9LX	PA/2017/4173	Ground floor rear extension 6m deep, 2.95m high to the eaves with the maximum height of 3.45m.	Prior Approval not required	21/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/4173
2041	Hounslow		P/2016/3150	Certificate of lawfulness for the erection of a single storey outbuilding at rear of garden	Granted	30/08/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3150
2042	Hounslow	101 BURNS AVENUE FELTHAM TW14 9LX	PA/2016/5569	Ground floor rear extension 6 metres deep, maximum height of 3.28 metres, 3 metres high to the eaves	Prior Approval not required	19/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/5569
2043	Hounslow	44 BURNS AVENUE FELTHAM LONDON TW14 9NA	P/2016/3780	Certificate of Lawfulness for the use of one room as an office with no visiting members of the public or drivers	Granted	29/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/3780

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2044	Hounslow	22 BURNS AVENUE FELTHAM LONDON TW14 9NA	PA/2016/2525	Ground floor rear extension 4m deep, 2.4m high to the eaves with the maximum height of 3.5m.	Prior Approval not required	12/07/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2525
2045	Hounslow	13 BURNS AVENUE FELTHAM TW14 9LZ	PA/2016/2214	Ground floor rear extension 6 metres deep, maximum height of 3.20 metres, 2.90 metres high to the eaves	Prior Approval not required	10/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/2214
2046	Hounslow	26 VIOLA AVENUE FELTHAM LONDON TW14 0EW	P/2014/4012	Erection of a single storey rear extension to the house	Approved	21/11/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/4012
2047	Hounslow	35 VIOLA AVENUE FELTHAM LONDON TW14 0EP	P/2013/2212	Erection of a single storey ground floor side and rear extension	Approved	09/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2212
2048	Hounslow	Hounslow Heath Golf Course, STAINES ROAD HOUNSLOW LONDON TW	P/2017/5291	Amendments to the clubhouse approved under reference 01054/H/P38	In Progress	15/12/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/5291
2049	Hounslow	CENTRAL PARK ESTATE UNIT 2 STAINES ROAD HOUNSLOW TW4 5DJ	P/2017/4919	Erection of a mezzanine floor to create 1492m2 of B2/B8 floorspace (comprising 783 sqm existing plant deck and 709 sqm new mezzanine floor) and installation of external stair case on the western elevation	Approved	26/01/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/4919
2050	Hounslow	Hounslow Heath Golf Course, STAINES ROAD HOUNSLOW LONDON TW	P/2015/3085	Development of Hobbler's Heath Children's Zoo and Adventure Park, associated buildings and outdoor play structures, 9 hole golf course, floodlit golf driving range, adventure golf, associated landscaping, high ropes courses and zip line park, climbing/jump tower, car parking and alterations to two existing vehicular access points off Staines Road.	Approved following appeal	30/11/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3085
2051	Hounslow	BUS SHELTER FRONTING 581 STAINES ROAD HOUNSLOW LONDON TW4 5DL	P/2013/1589	Erection of two internally illuminated advertisement panels forming part of the bus shelter	Approved	08/07/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1589
2052	Hounslow	UNIT D1 TAMIAN WAY HOUNSLOW TW4 6BL	P/2017/1137	Retrospective application for the change of use from Non-Residential Institution (Class D1) to General Industrial (Class B2) and the retention of existing plant equipment	Approved	11/05/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/1137
2053	Hounslow	118 HINTON AVENUE HOUNSLOW LONDON TW4 6AP	P/2018/0772	Certificate of Lawfulness existing for the continued use of an outbuilding as a habitable space.	In Progress	Received 20/02/2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0772
2054	Hounslow	104 HINTON AVENUE HOUNSLOW LONDON TW4 6AP	PA/2017/3313	Ground floor rear extension 3.6m deep, 3m high to the eaves with the maximum height of 3.8m	Prior Approval not required	07/09/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2017/3313
2055	Hounslow	56 HINTON AVENUE HOUNSLOW TW4 6AR	P/2017/0145	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and two front roof windows to the house	Granted	12/01/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/0145
2056	Hounslow	98 HINTON AVENUE HOUNSLOW TW4 6AP	PA/2016/4988	Ground floor rear extension 2.34 metres deep existing (resulting in an overall extension depth of 6 metres) , maximum height of 2.4 metres, 2.1 metres high to the eaves	Prior Approval not required	12/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4988
2057	Hounslow	38 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	PA/2016/4421	Ground floor rear extension 6m deep, 3m high to the eaves with the maximum height of 3m.	Prior Approval not required	25/10/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/4421
2058	Hounslow	22 HINTON AVENUE HOUNSLOW TW4 6AR	P/2016/1901	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and a front roof window to the house	Granted	24/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1901

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2059	Hounslow	100 HINTON AVENUE HOUNSLOW LONDON TW4 6AP	P/2016/1816	Certificate of lawfulness for erection of a rear roof extension with hip to gable conversion and 2 roof windows to front elevation	Granted	16/06/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1816
2060	Hounslow	4 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	P/2016/0108	Certificate of Lawfulness for the erection of a hip to gable and rear roof extension	Granted	09/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0108
2061	Hounslow		P/2015/3419	Certificate of Lawfulness for the erection single storey rear outbuilding for use as a gym and store room	Granted	28/09/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2015/3419
2062	Hounslow	24 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	PA/2015/2559	Ground floor rear extension 6 metres deep, maximum height of 2.973 metres, 2.773 metres high to the eaves.	In Progress	Received 11th June 2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/2559
2063	Hounslow	72 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	PA/2015/0447	Ground floor rear extension 6 metres deep, maximum height of 3.9 metres, 3.2 metres high to the eaves	Prior Approval not required	13/03/2015	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2015/0447
2064	Hounslow	100 HINTON AVENUE HOUNSLOW LONDON TW4 6AP	PA/2014/4766	Ground floor rear extension 6 metres deep, maximum height of 2.875 metres, 2.550 metres high to the eaves	Prior Approval not required	24/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/4766
2065	Hounslow	62 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	PA/2014/3833	Ground floor rear extension 6 metres deep, maximum height of 2.8 metres - 3850, 2.550 metres high to the eaves	Prior Approval not required	24/20/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3833
2066	Hounslow	10 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	PA/2014/3630	Ground floor rear extension 6 metres deep, 2.567 metres high to eaves with a maximum height of 3.4 metres	Prior Approval not required	02/10/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/3630
2067	Hounslow	44 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	P/2014/2734	Erection of a single storey rear extension to the house	Approved	19/09/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2734
2068	Hounslow	4 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	P/2014/2282	Ground floor rear extension 6 metres deep, maximum height of 3.3 metres, 2.8 metres high to the eaves	Prior Approval not required	15/07/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/2282
2069	Hounslow	76 HINTON AVENUE HOUNSLOW LONDON TW4 6AR	PA/2014/1951	Ground floor rear extension 5 metres deep, 2.85 metres high to eaves with a maximum height of 3 metres	Prior Approval not required	19/06/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2014/1951
2070	Hounslow	52 BEAVERS LANE HOUNSLOW LONDON TW4 6EL	P/2018/0687	Certificate of Lawfulness for erection of a rear roof extension with hip to gable conversion and two roof windows to front elevation	In Progress	Received 14th Feb 2018	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2018/0687
2071	Hounslow	40 BEAVERS LANE HOUNSLOW TW4 6EL	P/2017/3835	Certificate of Lawfulness for the erection of a hip to gable and rear roof extension with three front roof windows to the house	Granted	29/11/2017	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2017/3835
2072	Hounslow	38 BEAVERS LANE HOUNSLOW LONDON TW4 6EL	P/2016/4932	Certificate of Lawfulness for erection of a rear roof extension incorporating hip to gable conversion and 2 front roof windows to the house	Granted	15/12/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/4932
2073	Hounslow		PA/2016/0518	Ground floor rear extension 6 metres deep, maximum height of 3.5 metres, 2.9 metres high to the eaves	Prior Approval is not required	02/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0518
2074	Hounslow	31 BEAVERS LANE HOUNSLOW LONDON TW4 6EH	P/2016/1947	Certificate of Lawfulness for the use of a room in the house for running a private hire chauffeur service.	Granted	26/05/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/1947
2075	Hounslow	CAVALRY BARRACKS BEAVERS LANE	P/2016/0710	Provision of 1 No. Thurston `Portakabin Type` Building for use as Cardio-Vascular and weight training suite	Approved	07/09/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2016/0710

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No	Local Authority	Site Address	LPA Application Ref No	Description of Development	Status	Date	Source
		HOUNSLOW LONDON TW4 6HD					
2076	Hounslow	64 BEAVERS LANE HOUNSLOW LONDON TW4 6EL	PA/2016/0542	Ground floor rear extension 5.4 metres deep, maximum height of 3.7 metres, 2.850 metres high to the eaves	Prior Approval is not required	02/03/2016	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=PA/2016/0542
2077	Hounslow	77 Beavers Lane Hounslow TW4 6HF	P/2014/3261	Erection of a single storey outbuilding at the rear garden	Approved	09/12/2014	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2014/3261
2078	Hounslow	BUILDINGS 37 AND 37A CAVALRY BARRACKS BEAVERS LANE HOUNSLOW LONDON TW4 6HD	P/2013/2228	Retrospective conservation area consent for the demolition of two single storey buildings	Approved	18/10/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/2228
2079	Hounslow	CAVALRY BARRACKS BEAVERS LANE HOUNSLOW LONDON TW4 6HD	P/2013/1043	Extension of time to replace extant planning permission 00092/A/P11 for the erection of a temporary building for use as a cardiovascular and weight training suite	Approved Limited permission	23/05/2013	http://planning.hounslow.gov.uk/Planning_CaseNo.aspx?strCASENO=P/2013/1043

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Table 3.4.4 Tier 2 developments on the PINS Programme of Projects for which an EIA Scoping Report has been submitted

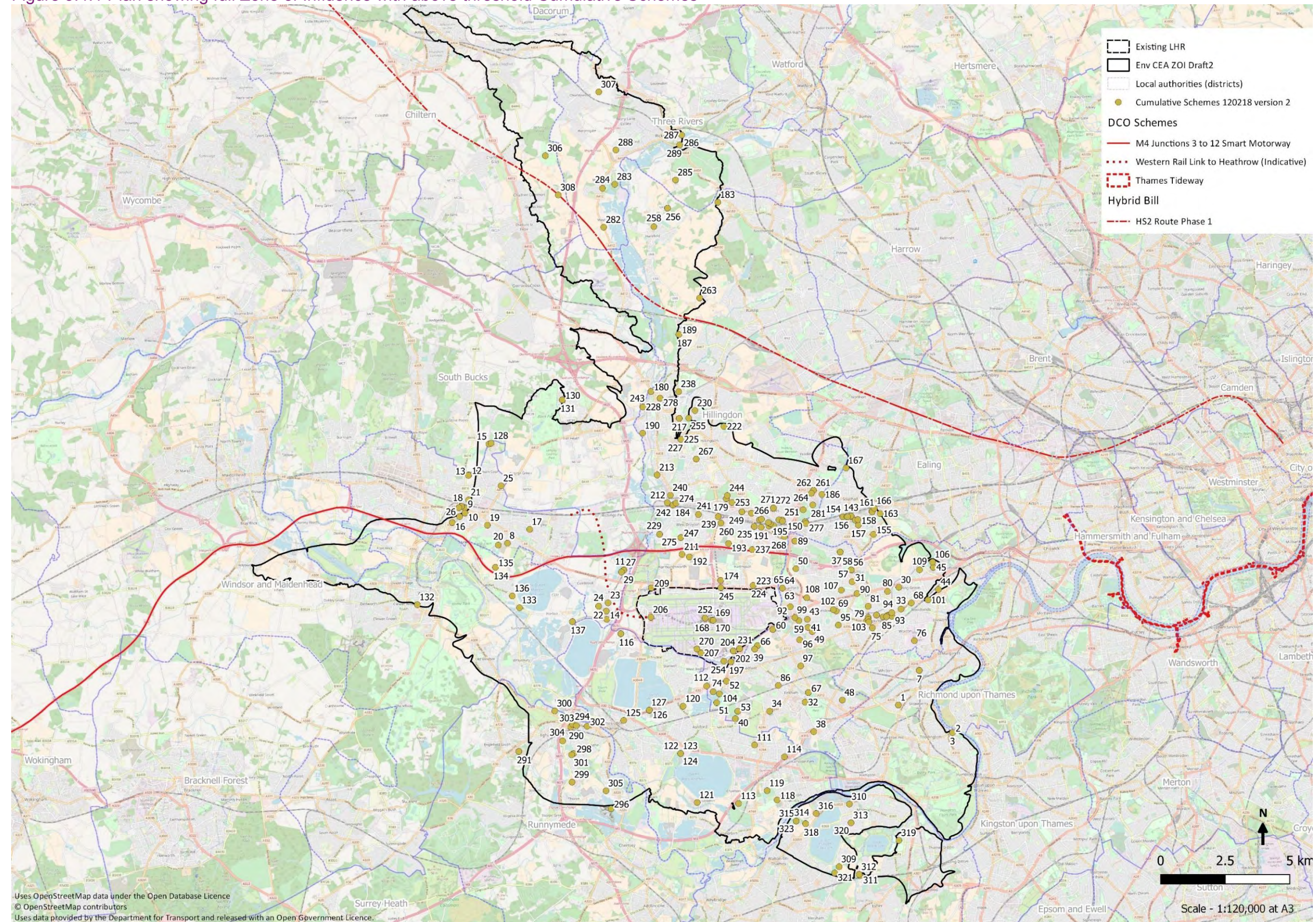
No	Project	Local Authority	LPA Application Ref No	Description of Development	Status / date	Source	Cumulative Threshold Trigger
1	Western Rail Link to Heathrow	The Proposed Scheme will traverse the local authority areas of Slough, South Bucks and LB Hillingdon	PINS Ref No. TR040009	From Scoping Report: "The Western Rail Link to Heathrow Scheme will create a new rail connection with the nearby Great Western Main Line (GWML), providing a more direct rail route for passengers travelling to Heathrow from Reading, Oxford, South Wales, Bristol, Birmingham and beyond. An additional rail connection to the west will also provide more efficient commuting opportunities for those from the Thames Valley region who work at Heathrow Airport."	Submission expected: Q4 2017	https://infrastructure.planninginspectorate.gov.uk/projects/south-east/western-rail-link-to-heathrow/?ipcsection=overview	Tier 3



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Figure 3.4.1 Plan showing full Zone of Influence with above threshold Cumulative Schemes

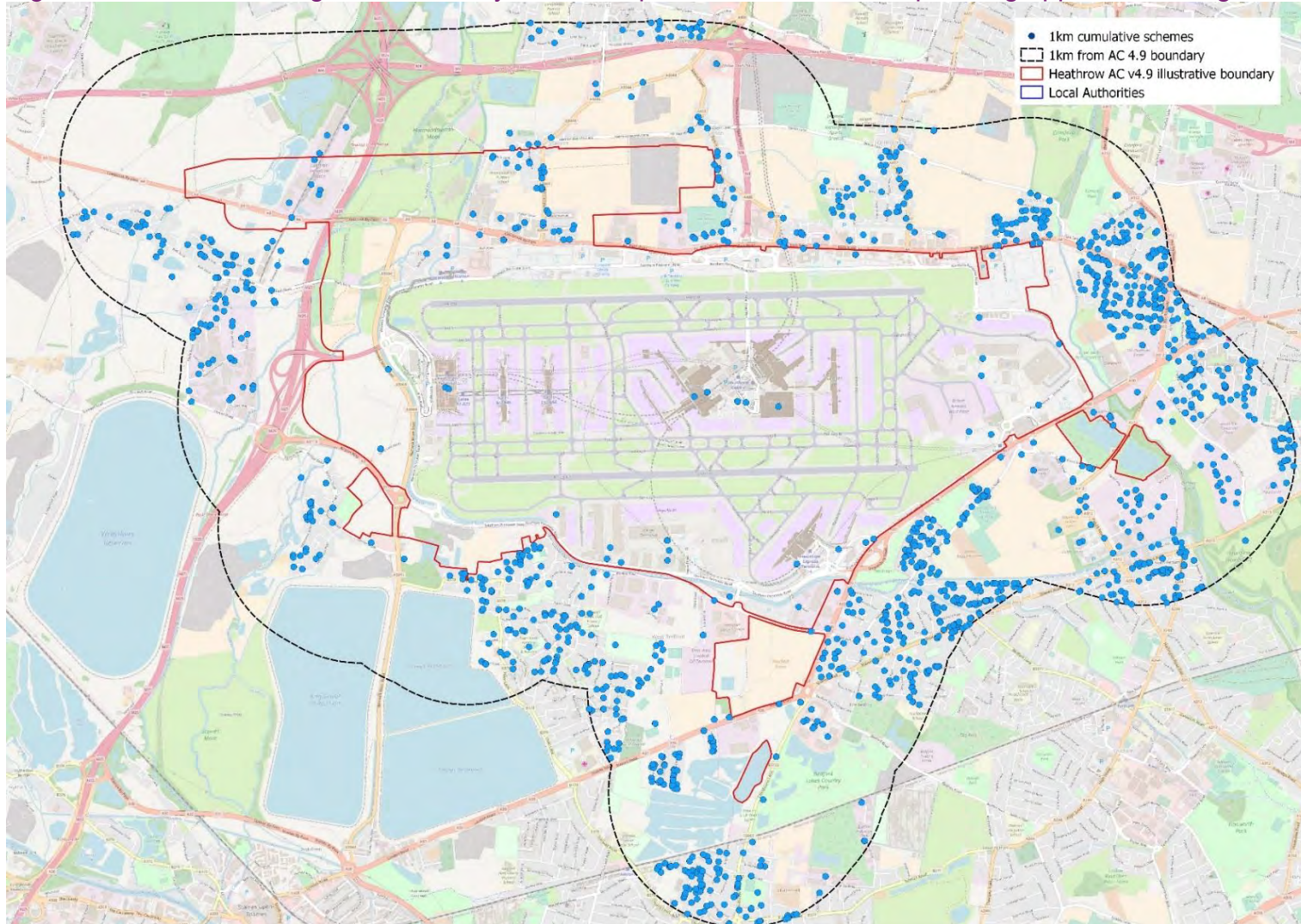


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Figure 3.4.2 Plan showing 1km boundary around airport and location of all planning applications lodged in the last five years



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Appendix 3.5

Development search methodology



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1. DEVELOPMENT SEARCH METHODOLOGY

1.1.1 Table 3.5.1 identifies the search methodology applied to identify Tier 1 and Tier 2 developments located within the widest topic Zone of Influence (ZOI).

Table 3.5.1 Search methodology for Tier 1 and Tier 2 developments

Local Authority	Methodology
London Borough of Ealing	<p>GLA planning application search:</p> <p>1) All applications which trigger Mayoral Criteria listed on GLA website</p> <p>EIA Schedule 2 Criteria:</p> <p>1) Advanced Planning Application search function utilised to identify:</p> <ul style="list-style-type: none"> • Major Large Scale – All other • Major Large Scale – Dwellings • Major Large Scale – Gypsy/Traveller sites • Major Large Scale – Manu/Ind/Stor/Wareh • Major Large Scale – Offices/R&D/Light Ind • Major Large Scale – Retail dist/servicing • Major Small Scale – All other • Major Small Scale – Dwellings (appears to be 10 - 150 residential units) • Major Small Scale – Gypsy/Traveller sites • Major Small Scale – Manu/Ind/Stor/Wareh • Major Small Scale – Offices/R&D/Light Ind • Major Small Scale – Retail dist/servicing • Minerals Processing <p>2) 'Word search'* also undertaken to identify EIA Schedule 2 development which may not have fallen into any of the criteria above.</p>
London Borough of Richmond	<p>GLA planning application search:</p> <p>1) All applications which trigger Mayoral Criteria listed on GLA website;</p> <p>EIA Schedule 2 Criteria:</p> <p>1) Major Planning Application search utilising Council's online search function</p> <p>2) 'Word search'* undertaken</p>
London Borough of Hillingdon	<p>GLA planning application search:</p> <p>1) All applications which trigger Mayoral Criteria listed on GLA website;</p> <p>EIA Schedule 2 Criteria:</p> <p>1) Major Planning Applications Committee Agendas reviewed over period Jan 2013 – 2018</p> <p>2) 'Word search*' undertaken</p>
London Borough of Hounslow	<p>GLA planning application search:</p> <p>1) All applications which trigger Mayoral Criteria listed on GLA website;</p> <p>EIA Schedule 2 Criteria:</p> <p>1) Planning committee Agendas reviewed over period Jan 2013 – Jan 2018</p>

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	2) 'Word search' undertaken
Slough Borough Council	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <ol style="list-style-type: none"> 1) Planning Committee Agendas reviewed over period Jan 2013 – Jan 2018; 2) List of large development schemes (for 135+ residential units, 13,500 sq.m non-residential development or industrial estate sites larger than 0.5ha) received from Council upon request 3) 'Word search*' undertaken to identify EIA Schedule 2 development
Spelthorne Borough Council	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <ol style="list-style-type: none"> 1) Planning Committee Agendas reviewed over period Jan 2013 – Jan 2018 2) 'Word search*' undertaken to identify EIA Schedule 2 development
Runnymede Borough Council	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <ol style="list-style-type: none"> 1) List of committed major development schemes within 1 mile of Egham Leisure Centre reviewed (previously provided to Quod in Jan 2017) 2) Planning committee Agendas reviewed over period Jan 2013 – Jan 2018 3) 'Word search*' undertaken to identify EIA Schedule 2 development
Elmbridge Borough Council	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <ol style="list-style-type: none"> 1) Planning records spreadsheet (01/01/2013 to 01/01/2018) received from the Council upon request. Records were filtered by wards (those located in the north of the borough) and development type/size to identify relevant developments. Criteria applied include: <ul style="list-style-type: none"> • Large scale major dwellings; • All other large scale major development 2) North Area Planning Committee Agendas reviewed over period Jan 2013 -2018 3) 'Word search*' undertaken to identify EIA Schedule 2 development.
The Royal Borough of Windsor and Maidenhead	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <ol style="list-style-type: none"> 1) Advanced Search function on Council website used to identify the following development types within the search period: <ul style="list-style-type: none"> • Large Scale Major Dwellings (appears to be >150 dwellings) • Large Scale Major General Industry/Storage/Warehousing • Large Scale Gypsy and Traveller Sites • Large Scale Major Offices/R&D/Light Industry • Large Scale Major Other • Large Scale Major Retail distribution and servicing • Minerals and Waste 2) 'Word search*' undertaken
Chiltern District Council	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <ol style="list-style-type: none"> 1) Advanced Search function on Council website used to identify the following development types within the search period: <ul style="list-style-type: none"> • Major dwellings • Major General Industry/Storage/Warehousing • Major Gypsy and Traveller Sites • Major manufacture • Major Offices



	<ul style="list-style-type: none"> • Major Offices/R&D/Light Industry • Major other • Major retail • Major retail distribution and servicing • Mineral • Mineral Processing <p>2) Search of committee agendas undertaken between Jan 2013 and Jan 2018</p> <p>3) 'Word Search*' undertaken to identify EIA Schedule 2 development</p>
<p>South Bucks District Council</p>	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <p>1) Advanced Search function on website used. Enables development to be searched by 'development type'. The following search criteria were applied:</p> <ul style="list-style-type: none"> • Major Dwellings • Major Heavy Industry/Storage/Warehousing • Major Gypsy and Traveller Sites • Major Offices/R&D/Light Industry • Major Retail distribution and servicing • Minerals Processing <p>2) 'Word Search' undertaken to identify EIA Schedule 2 development</p>
<p>Three Rivers District Council</p>	<p>GLA Call-in and EIA Schedule 2 Criteria:</p> <p>1) Advanced Search function on website used. Enables development to be searched by 'development type'. The following search criteria were applied:</p> <ul style="list-style-type: none"> • Large Scale Major Dwellings • Large Scale Major General Industry/Storage/Warehousing B2 B8 • Large Scale Gypsy and Traveller Sites • Large Scale Major Offices/R&D/Light Industry A2, B1 • Large Scale Major Other • Large Scale Major Retail A1, A3, A4, A5 • Mineral <p>2) Planning committee Agendas reviewed over period Jan 2013 – Jan 2018</p> <p>3) 'Word search*' undertaken to identify EIA Schedule 2 development</p>

*'Word search' involved inputting keywords relating to the EIA regulation Schedule 2 into each Local Planning Authority's application search function (e.g. "wood", "paper", "leather", "green belt").

**N.B. – search period 1st Jan 2013 – 23rd Jan 2018

1.1.2 Once schemes were identified using the above search tools, a filtering process was undertaken to identify whether they should be included within the development list:

1. Site addresses or postcodes were mapped (initially using Google Maps) to identify whether the scheme was located within the ZOI. Those schemes clearly located outside of the ZOI boundary were not included in Table 3.5.1. Where a site was considered to be located within close proximity to the ZOI



boundary, online GIS was used to determine its precise location. Only those sites located inside or directly on the ZOI boundary have been included in the list of schemes

2. Descriptions of development, application forms and/or application supporting information were reviewed to assess whether each scheme breached the specified Tier 1 and Tier 2 threshold criteria. Those schemes which did not breach the criteria have not been included.

1.1.3 Given the scope of the task at hand and the limitations of the search tools available, some risks have been identified that should be noted:

1. Development proposals which trigger the EIA Regulations criteria may not have been identified if they did not constitute major development, were determined by delegated decision or did not include a searched 'keyword' in their description of development. Particular risk is associated with identifying industrial estate development projects on sites greater than 0.5 ha and the less common EIA Regulation 2 developments (e.g. paper processing plant)
2. If proposals for development in the Green Belt, for buildings > 30m in height, or for non-residential development > 1ha in area were not considered 'major development' by the relevant planning authority and did not trigger any of the other threshold criteria, there is a risk that these schemes were missed in those authorities where a review of planning committee agendas was not undertaken (see search methodology in Table 3.5.1)
3. Applications submitted before 2013 which are currently being built out have not been identified
4. Outline applications consented before 2013 which would trigger the thresholds, but the subsequent reserved matters applications do not trigger the thresholds, have not been identified
5. The status of consented schemes has not been identified. Accordingly, some of the schemes identified are likely to have already been built out.

1.1.4 It is considered that these risks will be mitigated through engagement with HSPG as development lists are reviewed and any additional developments that require consideration identified.



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Appendix 3.6 Development schedule template

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DEVELOPMENT SCHEDULE TEMPLATE

1.1.1 Once the approach to the cumulative effects assessment, including the inclusion/exclusion criteria to be used has been agreed with stakeholders, further information will be gathered on the developments that meet the criteria. The information collected will be presented in the format set out in Table 3.6.1.

Table 3.6.1 Development schedule template

No	Name of development	Address	Application no	Applicant	Application description	Tier	Planning status	Closest distance from the Project boundary	Orientation from site	Programme – construction start/finish dates	Source	Assumptions for EIA [i.e. whether development should be treated as future baseline and/or cumulative in each EIA assessment year]				
												Assmt year 1	Assmt year 2	Assmt year 3	Assmt year 4	Assmt year 5



Appendix 4.3

Guidance and Best Practice Documents



1. GUIDANCE AND BEST PRACTICE DOCUMENTS

Table 4.3.1 Guidance and Best Practice Documents

Chapter	Guidance and best practice documents
5: Air quality and odour	Defra, Local Air Quality Management Technical Guidance (TG16), 2016
	Department for Transport, Project for the Sustainable Development of Heathrow. Report of the Airport Air Quality Technical Panels, 2006
	Greater London Authority, The Control of Dust and Emissions during Construction and Demolition Supplementary Planning Guidance, 2014
	Highways Agency, Design Manual for Roads and Bridges. Volume 11. Section 3. Environmental Assessment Techniques. Part 1. HA207/07. Air Quality, 2007
	Highways Agency, Interim Advice Note 174/13 Updated advice for evaluating significant local air quality effects for users of DMRB Volume 11, Section 3, Part 1 'Air Quality (HA207/07), 2013
	Highways Agency, Interim Advice Note 175/13 Updated air quality advice on risk assessment related to compliance with the EU Directive on ambient air quality and on the production of Scheme Air Quality Action Plans for user of DMRB Volume 11, Section 3, Part 1 'Air Quality, 2013
	Institute of Air Quality Management (IAQM), Guidance on the Assessment of Dust from Demolition and Construction, 2014
	Institute of Air Quality Management (IAQM), Guidance on the Assessment of Odour for Planning, 2014
6: Biodiversity	Defra, A Green Future: Our 25 Year Plan to Improve the Environment, 2018
	Defra, Biodiversity 2020: A strategy for England's wildlife and ecosystem services, 2011
	Defra, JNCC, UK post-2010 Biodiversity Framework, 2012
	Defra, Evidence Plans for Nationally Significant Infrastructure Projects, 2012
	Collins, J. (ed.). Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016
	JNCC, Handbook for Phase 1 Habitat Survey, 2010
	Rodwell et al., National Vegetation Classification: User's Handbook, 2006
	JNCC, Common Standards Monitoring for Lowland Grassland, 2004
	Natural England, Farm Environment Plan (FEP) Manual, 2010
	National Rivers Authority, River Corridor Surveys: Methods and Procedures, 1992
	Environment Agency, River Habitat Survey in Britain and Ireland guidance manual, 2003



Chapter	Guidance and best practice documents
	European Committee for Standardization, BS EN ISO 10870: 2012 Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters, 2012
	European Committee for Standardization, BS EN 14184: 2014 Water Quality. Guidance for surveying aquatic macrophytes in running waters, 2014
	BSI, BS EN 14011:2003 Water Quality – Guidance standard on sampling fish with electricity, 2013
	WFD-UKTAG, UKTAG Rivers Assessment Methods Fish Fauna (Fisheries Classification Scheme 2), 2008
	Chanin, Monitoring the Otter <i>Lutra lutra</i> , 2003
	Highways Agency, Design Manual for Roads and Bridges – Volume 10 – Section 4 Part 4 – Nature Conservation Advice in Relation to Otters, 1999
	JNCC, Common Standards Monitoring Guidance for Mammals, 2004
	Strachan <i>et al.</i> The Water Vole Conservation Handbook, 2011
	Dean <i>et al.</i> , The Water Vole Mitigation Handbook, 2016
	Mitchell-Jones, Bat Mitigation Guidelines, 2014
	Mitchell-Jones & McLeish, Bat Workers' Manual, 3rd edition, 2004
	Andrews <i>et al.</i> , Bat tree habitat key, 2013
	BSI, BS 8596:2015 Surveying for bats in trees and woodland, 2016
	Natural England, Badgers: surveys and mitigation for development projects, 2015
	Scottish Natural Heritage, Best Practice Badger Survey Guidance Note, 2003
	Natural England, Interim Advice Note – Dormouse Surveys for Mitigation Licensing – Best practice and common misconceptions, 2011
	Natural England, Great crested newts: surveys and mitigation for development projects, 2015
	English Nature, Great Crested Newt Mitigation Guidelines, 2001
	Froglife, Advice Sheet 10 - Reptile Survey: An introduction to planning, conducting and interpreting surveys for snake and lizard conservation, 1999
	Gilbert <i>et al.</i> , Bird Monitoring Methods: A manual of techniques for key UK species, 1998
	BTO, Waterways Breeding Bird Survey, 1998
	Conway <i>et al.</i> , UK population estimates from the 2007 little ringed plover and ringed plover surveys, 2008
	Bibby <i>et al.</i> , Bird Census Techniques, 2000
	Atkinson <i>et al.</i> , A detailed assessment of the pilot survey: counting birds on farmland in winter, 2006
	Drake <i>et al.</i> , Surveying terrestrial and freshwater invertebrates for conservation evaluation, 2007
	Hill <i>et al.</i> , Handbook of Biodiversity Methods, 2005



Chapter	Guidance and best practice documents
	<p>Chartered Institute of Ecology and Environmental Management, Guidelines for Ecological Impact Assessment in the UK and Ireland. Terrestrial, Freshwater & Coastal, 2016</p> <p>Gibbs, C., Guidance for the Selection of Sites of Nature Conservation Importance (SNICs) in Surrey; Criteria for the Selection of Local Wildlife Sites in Berkshire, Buckinghamshire and Oxfordshire, 2008</p> <p>The London Wildlife Site Board (LWSB), Process for Selecting and confirming Sites of Importance for Nature Conservation (SINCs) in Greater London, 2013</p> <p>Wray, S., Wells, D., Long, E. and Mitchell-Jones, T., Valuing Bats in Environmental Impact Assessment. In Practice (70), IEEM, 2010</p> <p>Hedgerows Regulations, Hedgerows Regulations Assessment survey 1997</p> <p>Defra, Biodiversity Offsetting Pilots – Guidance for developers, 2012</p> <p>BSI, Biodiversity. Code of practice for planning and development. BSI, London, 2013</p>
7: Carbon and other greenhouse gases	<p>PAS 2080: 2016 Carbon Management in Infrastructure (PAS 2080), The British Standards Institute, 2016</p> <p>BS EN 15978: 2011 Sustainability of construction works – Assessment of environmental performance of buildings – Calculation method (BS EN 15978), The British Standards Institute, 2012</p> <p>Environmental Impact Assessment Guide to: Assessing Greenhouse Gas Emissions and Evaluating their Significance, Institute of Environmental Management and Assessment (IEMA), 2017</p> <p>The Greenhouse Gas Protocol – Corporate Accounting and Reporting Standard, WBCSD/ WRI, 2004</p> <p>EMEP/EEA Air Pollutant Emission Inventory Guidebook 2016 – Technical guidance to prepare national emissions inventories, European Environment Agency, 2016</p> <p>RICS Professional Statement: Whole life carbon assessment for the built environment, 1st Edition, Royal Institute of Chartered Surveyors, 2018</p>
8: Climate change	<p>Institute of Environmental Management and Assessment (IEMA) Environmental Impact Assessment Guide to Climate Change Resilience and Adaptation, 2015</p> <p>European Commission Environmental Impact Assessment of Projects: Guidance on the preparation of the Environmental Impact Assessment Report, 2017</p> <p>European Commission Guidance on Integrating Climate Change and Biodiversity into Environmental Impact Assessment, 2013</p> <p>Strengthening Health Resilience to Climate Change: Technical Briefing for the World Health Organization - Conference on Health and Climate, 2015</p> <p>Cabinet Office. Keeping the Country Running: Natural Hazards and Infrastructure, 2011</p>



Chapter	Guidance and best practice documents
	<p>International Civil Aviation Organization (ICAO): Environmental Report 2010. Chapter 6: Adaptation, 2010</p> <p>Airports Cooperative Research Programme (ACRP): Climate Change Adaptation Planning: Risk Assessments for Airports, 2015</p> <p>European Commission. Guidelines for Project Managers: Making vulnerable investments climate resilient. 2011</p>
9: Community	<p>HM Government, A Greener Future: Our 25 Year Plan to Improve the Environment, 2018</p> <p>Office of the Deputy Prime Minister (ODPM). Environmental impact assessment: A guide to procedures. 2000. [Online].</p> <p>Social Impact Assessment: Guidance for assessing and managing the social impacts of projects, 2015</p> <p>Vanclay, F., Esteves, A.M., Aucamp, I. and Franks, D. Social Impact Assessment: Guidance for assessing and managing the social impacts of projects, 2015. [Online] Available from: http://www.iaia.org/uploads/pdf/SIA_Guidance_Document_IAIA.pdf</p> <p>Sport England: Comparative Sizes of Sports Pitches & Courts, 2015</p> <p>Sport England: A Guide to the Design, Specification & Construction of Multi Use Games Areas (MUGAs), 2015</p> <p>GLA, Play and Informal Recreation SPG, 2012</p> <p>GLA, Social Infrastructure SPG, 2015</p>
10: Economics and employment	<p>HM Government, A Greener Future: Our 25 Year Plan to Improve the Environment, 2018</p> <p>Ministry of Housing, Communities & Local Government, Planning Practice Guidance: Housing and Economic Development Needs Assessments, 2015</p> <p>Homes and Communities Agency. Additionality Guide. Fourth Edition. Homes and Communities Agency: London, 2014</p> <p>HM Treasury. The Green Book: Appraisal and Evaluation in Central Government. London: The Stationery Office, 2011.</p>
11: Historic environment	<p>Highways Agency, Design Manual for Roads and Bridges: Volume 11 Environmental Impact Assessment, Highways, 2009.</p> <p>Planning Practice Guidance (PPG) Conserving and Enhancing the Historic Environment (https://www.gov.uk/guidance/conserving-and-enhancing-the-historic-environment), 2014.</p> <p>Historic England, Managing Significance in Decision-Taking in the Historic Environment, 2015.</p> <p>Historic England, The Setting of Heritage Assets: Historic Environment Good Practice Advice in Planning: 2017.</p>



Chapter	Guidance and best practice documents
12: Health	Institute of Environmental Management and Assessment, Health in Environmental Assessment: A Primer for a Proportionate Approach. 2017
13: Landscape and visual	Landscape Institute (LI) and Institute of Environmental Management and Assessment (IEMA), Guidelines for Landscape and Visual Impact Assessment: Third Edition (GLVIA3), 2013
	Highways Agency (now Highways England), Interim Advice Note 135/10: Landscape and Visual Effects Assessment (IAN 135/10), 2010
	Highways Agency (now Highways England), HA 205/08: Assessment and Management of Environmental Effects (HA 205/08), 2008
	Landscape Institute, Advice Note 01/11 Photography and Photomontage in Landscape and Visual Impact Assessment (LI Advice Note 01/11), 2011
	Institution of Lighting Professionals, Guidance Notes for the Reduction of Obtrusive Light (GN01:2011), 2011
	Ministry of Housing Communities & Local Government, Planning Practice Guidance (PPG), 2016
14: Land quality	Environment Agency, Model Procedures for the Management of Land Contamination, Contaminated Land Report 11 (CLR11), 2004
	Highways Agency, Design Manual for Roads and Bridges: Volume 11 Environmental Impact Assessment, Highways, 2009
	MAFF, Agricultural land classification of England and Wales; revised guidelines and criteria for grading the quality of agricultural land, 1988
	Natural England, Guide to assessing development proposals on agricultural land, published January 2018
	Natural England, Natural England Technical Information Note TIN049 Agricultural Land Classification: protecting best and most versatile agricultural land, 2012a
	Natural England, Explanatory Note accompanying Agricultural Land Classification (ALC) Strategic Map Information – likelihood of BMV agricultural land dataset, 2012b.
	British Standard BS10175:2011+A1:2013 Investigation of Potentially Contaminated Sites, 2011
	British Standard BS5930:2015 Code of Practice for Ground Investigations, 2015
	British Standard BS EN 1997-2:2007 Eurocode 7. Geotechnical design - Ground investigation and testing, 1997
	Institution of Civil Engineers, ICE, UK Specification for Ground Investigation, 2nd edition 2012
	CL:AIRE, Definition of Waste: Development Industry Code of Practice, 2011
	British Geological Survey Report Mineral safeguarding in England: good practice advice, OR/11/046, 2011



Chapter	Guidance and best practice documents
	<p>Guidance Note on Mineral Safeguarding Process for Aggregates – Sand and Gravel and Carstone; Norfolk County Council, November 2014</p> <p>Defra, Environmental Protection Act 1990: Part 2A, Contaminated Land Statutory Guidance, 2012</p> <p>Additional guidance and best practice documents specific to the land quality human health and controlled waters risk assessment approach is presented in the bibliography section of Appendix 14.1.</p>
15: Major accidents and disasters	<p>Guide to predicting environmental recovery durations for Major Accidents Energy Institute (2017)</p> <p>Chemicals and Downstream Oil Industry Forum (CDOIF) Guideline – Environmental risk tolerability for COMAH establishments V2 (September 2013)</p> <p>Guidance on the Interpretation of Major Accidents to the environment for the purposes of COMAH regulations, Department of the Environment, Transport and the Regions (June 1999)</p> <p>All Measures Necessary – Environmental Aspects Guidance to the Competent Authority Inspectors and Officers, Health and Safety Executive, Environment Agency, Scottish Environmental Protection Agency, Natural Resources Wales, Office for Nuclear Regulation (April 2016)</p> <p>Guidance: Hazardous Substances https://www.gov.uk/guidance/hazardous-substances (accessed 01 December 2017)</p> <p>Guidelines for Environmental Risk Assessment and Management Green Leaves III, Dept. of Environment, Food and Rural Affairs (November 2011)</p> <p>HID Regulatory Model: Safety Management in Major Hazard Industries, Health and Safety Executive (February 2013)</p> <p>Reducing Risks Protecting People (R2P2), Health and Safety Executive. (2001)</p> <p>CAP760 - Guidance on the Conduct of Hazard Identification, Risk Assessment and the Production of Safety Cases – Civil Aviation Authority (2010)</p> <p>CAP 795, Civil Aviation Authority, Safety Management Systems Guidance for organisations (February 2015)</p> <p>CAP1616, Civil Aviation Authority, Airspace Design: Guidance on the regulatory process for changing airspace design including community engagement requirements (2017)</p> <p>Control of Development in Airport Public Safety Zones, Department for Transport Circular 01/2010 (March, 2010)</p>
16: Noise and vibration	<p>Amec, Heathrow's North-west Runway: Air and Ground Noise Assessment, June 2014</p> <p>British Standards Institute, BS 4142: 2014. Methods for rating and assessing industrial and commercial sound, 2014</p>



Chapter	Guidance and best practice documents
	British Standards Institute, BS 5228-1: 2009+A1:2014. Code of practice for noise and vibration control on construction and open sites. Noise, 2014
	British Standards Institute, BS 5228-2: 2009+A1:2014. Code of practice for noise and vibration control on construction and open sites. Vibration, 2014
	British Standards Institute, BS 6472-1: 2008. Guide to the evaluation of human exposure to vibration in buildings. Vibration sources other than blasting, 2008
	British Standards Institute, BS 7385-2: 1993. Evaluation and measurement for vibration in buildings. Guide to damage levels from groundborne vibration, 1993
	British Standards Institute, BS 8233: 2014. Guidance on sound insulation and noise reduction for buildings, 2014
	Civil Aviation Authority, CAP 1506: Survey of Noise Attitudes 2014: Aircraft, February 2017
	Civil Aviation Authority, CAP 1520: Draft Airspace Design Guidance, March 2017
	Civil Aviation Authority, CAP 1616, Airspace Design: Guidance on the regulatory process for changing airspace design including community engagement requirements, Civil Aviation Authority, December 2017
	Civil Aviation Authority, ERCD Report 1701: Heathrow Airport 2016 Summer Noise Contours and Noise Action Plan Contours, November 2017
	Department for Communities and Local Government, National Planning Policy Framework, March 2012
	Department for Communities and Local Government, National Planning Practice Guidance: Noise (https://www.gov.uk/guidance/noise--2), March 2014
	Department for Education, Building Bulletin 93. Acoustic design of schools: performance standards, February 2015
	Department for the Environment, Food and Rural Affairs, Method for converting the UK Road Traffic Noise Index $LA_{10, 18hr}$ to the EU Indices for Road Traffic Noise Mapping (Report ST/05/91/AGG04442), 2006
	Department for the Environment, Food and Rural Affairs, Noise Policy Statement for England, March 2010
	Department for the Environment, Food and Rural Affairs, Noise Action Plan: Railways (Including Major Railways), January 2014
	Department for the Environment, Food and Rural Affairs, Noise Action Plan: Roads (Including Major Roads), January 2014
	Department for the Environment, Food and Rural Affairs, National Noise Attitude Survey 2012, NNAS2012, December 2014
	Department for Transport, Calculation of Road Traffic Noise (1988)



Chapter	Guidance and best practice documents
	Department for Transport, Calculation of Rail Noise, 1995
	Department for Transport, Aviation Policy Framework, March 2013
	Department for Transport, Night Flying Restrictions at Heathrow, Gatwick and Stansted, January 2014
	Department for Transport, National Policy Statement for National Networks, December 2014
	Department for Transport, UK Air Navigation Guidance, October 2017
	Department for Transport, Revised draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England, October 2017
	Department for Transport, Consultation Response on UK Airspace Policy: A framework for balanced decisions on the design and use of airspace, October 2017
	Department for Transport, Transport Analysis Guidance: WebTAG, December 2017
	European Civil Aviation Conference, Doc 29 Report on Standard Method of Computer Noise Contours around Civil Airports, 4 th Edition, Volume 1-3, 2016
	Greater London Authority, London Environment Strategy. Draft for Public Consultation, August 2017
	Heathrow Airport Limited, Heathrow's Environmental Noise Directive Round 2 Noise Action Plan 2013-2018, August 2014
	Highways Agency, Design Manual for Roads and Bridges Volume 11, Section 3, Part 7 (revised November 2011)
	International Standards Organisation, ISO 14837-1: 2005. Mechanical vibration – Ground-borne noise and vibration from rail systems – Part 1: General Guidance, 2005
	International Standards Organisation, ISO 9613-2: 1996. Acoustics – Attenuation of sound during propagation outdoors – Part 2: general method of calculation, 1996
	International Journal of Environmental Research and Public Health. Special Issue: WHO Noise and Health Evidence Reviews. http://www.mdpi.com/journal/ijerph/special_issues/WHO_reviews (accessed 28 March 2018).
	Society of Automotive Engineers, SAE-AIR1895 Procedure for the Calculation of Airplane Noise in the Vicinity of Airports, 1995
	Thames Water, Thames Tideway Tunnel. Application for Development Consent. Secretaries of State Decision letter and Statement for Reasons, (September 2014), available online at https://www.tideway.london/media/1700/secretaries-of-state-decision-letter-and-statement-of-reasons.pdf



Chapter	Guidance and best practice documents
	Transport Research Laboratory, Report 53. Ground vibration caused by civil engineering works, 1986
	Transport Research Laboratory, Report 429. Groundborne vibration caused by mechanised construction, 2000
	World Health Organisation, Guidelines for Community Noise, 1999
	World Health Organization, Night Noise Guidelines for Europe, 2009
17: Traffic and transport	Planning Practice Guidance: Flood risk and coastal change. https://www.gov.uk/guidance/flood-risk-and-coastal-change Ministry of Housing, Communities & Local Government (March 2014)
18: Water environment	Adapting to Climate Change: Guidance for Flood and Coastal Erosion Risk Management Authorities, Environment Agency (2016)
	Flood and Coastal Erosion Risk Management Appraisal Guidance (FCERM-AG), Environment Agency (2010)
	Non-statutory technical standards for sustainable drainage systems, Department for Environment, Food and Rural Affairs (March 2015)
	London Sustainable Drainage Action Plan, Greater London Authority (October 2015)
	Flood Risk Assessments: Climate change allowances. https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances , Environment Agency (February 2017).
	Advice Note eighteen: The Water Framework Directive. Version 1, The Planning Inspectorate (June 2017)
	Position 488_10: Protecting and improving the water environment - Water Framework Directive compliance of physical works in rivers, Environment Agency (2015)
	Common Implementation Strategy for the Water Framework Directive (2000/60/EC). Guidance Document No. 20, European Commission (2009)
	Pollution Prevention Guidance Notes (PPG). [The PPG notes were withdrawn by the Environment Agency in December 2015. They have been referenced here because they provide a good summary of environmental good practice measures which will demonstrate compliance with legislation for protection of the water environment.]
	The Environment Agency's approach to groundwater protection, Environment Agency (February 2018)
	Control of water pollution from construction sites: Guidance for consultants and contractors (C532D), CIRIA (2001)
	Control of water pollution from linear construction projects: Site guide (C649D) CIRIA (2006)
	Environmental good practice on site (fourth edition) (C741) CIRIA (2015)
	Guidance on the construction of SuDS (C768), CIRIA (2017)



Chapter	Guidance and best practice documents
	Site handbook for the construction of SuDS (C698), CIRIA (2007)
	The SuDS manual (C753), CIRIA (2015)
	Containment systems for the prevention of pollution (C736), CIRIA (2016)
	Storage of Flammable liquids in tanks (HSG176), Health and Safety Executive (2015);
	Design, construction, commissioning, maintenance and testing of aviation fuelling facilities (EI 1540), Energy Institute (2014)
	Piling and Preventative Ground Improvement Methods on Land Affected by Contamination: Guidance on pollution prevention, Environment Agency (2001)
	Piling into contaminated sites, Environment Agency (2002)



Appendix 5.1

Dispersion modelling methodology



1. EMISSIONS INVENTORY

1.1 Sources

- 1.1.1 Annual emissions will be quantified for the following source categories:
1. Aircraft main engines in the landing and take-off (LTO) cycle on the ground and in the air within the core assessment area (Figure 5.1)
 2. Aircraft auxiliary power units (APUs)
 3. Aircraft engine ground running and testing
 4. Airside ground support equipment (GSE - vehicles operating within the airport perimeter fence and plant)
 5. Road vehicles on the road network around the airport within the study area
 6. Vehicles in car parks and car rental compounds
 7. Infrastructure or fixed-ground sources such as power generating plant, heating / cooling plant for airport buildings, fire training
 8. Background Sources.
- 1.1.2 It is recognised that there will be varying levels of uncertainty associated with all sources of input data used in the air quality assessment. These uncertainties, if not addressed, may have implications in terms of air quality predictions for the current baseline and future assessment years. Uncertainty will be reduced by undertaking detailed validation of baseline data and models, peer reviews of key assumptions and forecasts, and where appropriate, using conservative assumptions to ensure modelled pollutant concentrations reflect a reasonable worst-case and are therefore robust.

1.2 Aircraft emissions

Activity data

- 1.2.1 Aircraft emissions will be calculated in line with the recommendations of the Project for the Sustainable Development of Heathrow (PSDH)¹.
- 1.2.2 Aircraft emissions will only be calculated in the LTO cycle to 3,000ft height as, after the aircraft leaves the runway and starts to climb, the contribution of the engine emissions to ground-level concentrations decreases with increasing height.

¹ Department for Transport, Project for the Sustainable Development of Heathrow. Report of the Airport Air Quality Technical Panels, 2006



Once the aircraft reaches a height of a few hundred metres it makes little contribution to ground level concentrations.

- 1.2.3 Aircraft movement data for baseline scenarios will be based on actual data provided by Heathrow. Both Air Transport Movements (ATMs) (landings or take-offs of aircraft engaged on the transport of passengers, cargo or mail on commercial terms, including scheduled movements operated empty) and non-ATMs (which include empty positioning movements and non-commercial flights) will be included.
- 1.2.4 Estimates of the duration of various activities including take-off and landing roll, taxi-in, taxi-out, hold, approach, initial climb and climb-out will be taken from the range of databases held by Heathrow as appropriate. The available data sources include the Air Traffic Organization Operational Planning and Scheduling (OPAS), Electronic Flight Progress Strip (EFPS) and the Noise and Track-Keeping (NTK) database.
- 1.2.5 APU running time assumptions will be taken from surveys of APU running times conducted regularly by Heathrow.
- 1.2.6 Assumptions regarding settings for reduced thrust on take-off will be based on Heathrow survey data that will be used to derive mean aircraft take-off thrust settings for each main aircraft type.
- 1.2.7 The emissions from engine ground runs (engine testing) will be based on recorded information on ground runs, giving both the number of tests and the total number of engine-minutes of running, separately for high-power and idle operation.
- 1.2.8 The contribution to emissions of particulate matter from aircraft brake and tyre will be included in the assessment, applying the same methodology as the PSDH, which essentially links the mass of particles eroded on landing to aircraft weight.

Emission factors

- 1.2.9 The engines of each aircraft type will be obtained from the database held by Heathrow. These will then be mapped to an entry in the International Civil Aviation Organization (ICAO) Aircraft Engine Emissions Databank². This databank contains information on exhaust emissions of production aircraft engines based on information provided by the engine manufacturers.
- 1.2.10 The engines fitted to each aircraft type in future years, and their emissions characteristics, will be derived from the results of a future fleet technology study currently being undertaken on behalf of Heathrow. For most of the jet engines

² International Civil Aviation Organization (ICAO), ICAO Aircraft Engine Emissions Databank, issue 20 <https://www.easa.europa.eu/easa-and-you/environment/icao-aircraft-engine-emissions-databank> (accessed 02 May 2018)



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currently in service, emissions characteristics can be found in the ICAO databank, which gives certification test results at four standard thrust settings (7%, 30%, 85% and 100%) for nitrogen oxides (NO_x) and Smoke Number.

- 1.2.11 APU emissions (kg) from a given aircraft movement will be calculated as the product of the APU running time(s), the fuel consumption (kg/s) and the emission factors (kg pollutants per kg fuel consumed) appropriate to the likely APU model fitted to the aircraft.

Spatial definition

- 1.2.12 Taxiways, stand locations and hold areas will be defined spatially according to the plans provided for each assessment year and scenario (given phased construction of the Project).
- 1.2.13 For the cases including the third runway (3R), the spatial representation of the airport will be taken from drawings provided by Heathrow, including runway thresholds and reconfiguration of terminals. For the cases using the existing two runways at Heathrow (2R), the layout will be assumed to be as at present.
- 1.2.14 The choice of easterly or westerly operations for a given hour of the year will be taken from data provided from Heathrow for each baseline year, to align with the meteorological conditions. The meteorological conditions (primarily the wind direction) determine the direction in which aircraft arrive and depart.

Future scenarios

- 1.2.15 Future emissions will be calculated using fleet data provided from Heathrow in the form of forecast whole-day flight schedules that detail a day's air traffic movements, representative of a busy summer day's operation in the respective assessment years. For each movement, the schedule provides the aircraft type, terminal and hour of day. Different schedules will be provided for 2R and 3R scenarios.
- 1.2.16 By future assessment years, few current engines will still be in service. Therefore, the emissions characteristics for future aircraft and engine types (and the penetration of new engine types into the fleet) will be based on the outputs from a future fleet technology study being undertaken in support of the Development Consent Order application and further peer and industry review currently being undertaken.
- 1.2.17 For the 3R cases, the substantial changes to the airfield layout mean that it is problematic to use historic data for taxiing times, so instead, times will be derived from Total Airspace and Airport Modeller (TAAM) simulations of the 3R airfield operations that were undertaken by National Air Traffic Services (NATS). In both



2R and 3R, it is intended that flights are managed using Collaborative Decision Making (CDM) which will make it possible to manage hold queues.

- 1.2.18 To provide a worst-case assessment for future assessment years, the baseline APU limit times will be assumed; in practice, there is expected to be further improvement in APU running times as the availability of fixed electrical ground power (FEGP) across the airport increases.
- 1.2.19 Baseline engine testing emissions will be scaled up for the future cases using the ratio of the total LTO main-engine emissions for the respective cases.

1.3 Ground support equipment

Activity data

- 1.3.1 The GSE source category includes all vehicles and plant that generate exhaust emissions airside, principally vehicles associated with aircraft turn-around (vehicles operated by caterers, cleaners and fuel handlers, Ground Power Units, buses, etc) but also vehicles associated with runway maintenance etc.
- 1.3.2 Logs of transactions at the airport filling stations will be used to provide data on airside fuel use by operator. These data will be used along with the new emission factors and revised airside fleet data, to estimate emissions from GSE. Where possible, survey data will be used to map emissions to particular vehicle/equipment types and locations.

Emission factors

- 1.3.3 Vehicles are categorised depending on their emission factors (expressed in terms of g pollutant per kg fuel consumed). A distinction is drawn between road vehicles (manufactured to operate on public roads) and vehicles designed to operate on the airfield. They are subject to different emission regulations, so are associated with different sets of emissions factors for their typical duty cycles.
- 1.3.4 Road vehicle emission factors, which vary with fuel type, speed and vehicle type (e.g. car, van, heavy goods vehicle (HGV)), will be taken from the latest available updated NOx and PM speed-related emission functions and vehicle fleet composition projections.
- 1.3.5 For off-road vehicles, vehicles are characterised from an emissions perspective in terms of the power rating of their engines, and appropriate emission factors are compiled by the European Environment Agency (EEA).



Spatial definition

- 1.3.6 Emissions will be characterised as volume sources reflecting the GSE activity in each area of the airfield.

Future scenarios

- 1.3.7 The equipment fleet will be projected to the future years using a rollover model; this determines the mix of emissions abatement technologies fitted and the proportion of Ultra Low Emissions Vehicles (ULEVs) in the fleet. For future scenarios, activity data (fuel consumption by fuel type and equipment/ vehicle type) will be scaled from the baseline emission inventory by the ratio of passenger numbers. The proportion of ULEVs in the Heathrow fleet is expected to increase in future, as a result of Heathrow policies and as new, more cost-effective, technologies become available that will lead to higher proportions of ULEVs in the UK vehicle fleet in general. This will be accounted through the fleet projections used in future scenarios.

1.4 Landside road network

Activity data

- 1.4.1 Traffic data for each scenario will be obtained from the regional road traffic model created for the Project. Further details on traffic modelling can be found in **Chapter 17: Traffic and transport**. The data will include estimated traffic flows and congested speeds for AM and PM peak hour and an inter peak hour broken down by vehicle type (car, taxi, large goods vehicles (LGV), rigid HGV, artic HGV, bus, coach and motorcycle) separately for airport related and non-airport related traffic for each section of road (i.e. a road link).
- 1.4.2 Emissions from car parks, car rentals, taxis and cold starts will be calculated in accordance with the methodologies recommended by the modelling software suppliers and as used in the National Atmospheric Emissions Inventory (NAEI). Running emissions will be allocated to the location of the car parks, car rental areas and taxi ranks respectively. Cold start emissions will be allocated to the road network surrounding the airport and the car parks.
- 1.4.3 Car park transaction data will be used to estimate activity in car parks. Usage data will be obtained for public car parks (divided by long-stay/short-stay), car rentals by Terminal, staff car parks by car park and taxis by Terminal. The average distance travelled within each car park will be calculated giving allowance for the number of decks/storeys.



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Emission factors

- 1.4.4 Road vehicle emission factors, which vary with fuel type, speed and vehicle type (e.g. car, van, HGV), will be taken from the latest available updated NO_x and PM speed-related emission functions and vehicle fleet composition projections.
- 1.4.5 Road vehicle emissions will be calculated using fleet-weighted road transport emission factors by vehicle type from the base 2015 vehicle fleet composition projections issued by Defra (version 8.0.1 or latest version available at the time of assessment) of the Emission Factors Toolkit³. For PM₁₀ and PM_{2.5}, the emissions quantification includes not only exhaust emissions but also fugitive emissions from brake and tyre wear and road abrasion for road vehicles.
- 1.4.6 Evidence has accumulated that nitrogen dioxide (NO₂) concentrations close to roads have not fallen in the last few years as predicted using the new data set, indicating that the emission factors for later-Euro vehicles for some vehicle types are underestimated. The latest research into this issue at the time of modelling will be considered, and appropriate sensitivity tests undertaken where necessary in order to provide robust predictions of future NO₂ concentrations.

Spatial definition

- 1.4.7 Emissions from all main roads in the core assessment area will be included in the dispersion model. Emissions from discrete links will also be modelled where traffic data indicate that flows will be affected. Roads links will be represented as line emission sources.

Future scenarios

- 1.4.8 Road vehicle emissions for future cases will be calculated for the main roads within the core assessment area around the airport. Traffic data will be provided from the road traffic model for all modelled scenarios. Traffic data will be provided separately for a number of trip categories, separating airport related from non-airport related traffic and distinguishing vehicle categories (e.g. cars, taxis, LGV, HGV, etc.) that have different emission factors per vehicle kilometre travelled.
- 1.4.9 The Emissions Factor Toolkit will be used to derive future year emissions reflecting assumptions around the future vehicle fleet and proportions of vehicles in each emission class.

³ Emissions Factors Toolkit <https://laqm.defra.gov.uk/review-and-assessment/tools/emissions-factors-toolkit.html> (accessed 02 May 2018)



1.5 Heating plant and fire training ground

Activity data

- 1.5.1 Monthly fuel use data for baseline scenarios will be used to calculate emissions from heating plant.
- 1.5.2 Emissions from the fire training ground will be included for completeness, although the annual emissions of the pollutants of interest are negligible compared to other airport sources. Emissions from the fire training ground will be calculated using data provided on fuel use.

Emission factors

- 1.5.3 Emission factors will be taken from the NAEI and/or the European Monitoring and Evaluation Programme (EMEP)/EEA air pollutant emission inventory guidebook⁴.

Spatial definition

- 1.5.4 Spatially the emissions will be allocated to the location of each emission stack/flue.

Future scenarios

- 1.5.5 The emissions from heating plant for the future cases will reflect the plans for the expanded Airport. Fire training ground emissions will be assumed to be the same as baseline scenarios.

1.6 Background and rural sources

- 1.6.1 It is proposed that background concentrations for the assessment are derived from the appropriate version of Defra's background maps⁵ available at the time of assessment. The latest version of the maps are validated against 2015 data, which will represent one of the baseline years for the assessment.
- 1.6.2 2015 is generally considered to have been a relatively low pollution year; as a result, care must be taken to ensure that background concentrations are not under-predicted in future years. When using Defra's background maps for the additional base years of 2016 and 2017, which are also proposed to be modelled, the maps will be validated against Defra Automatic Urban and Rural Network (AURN) monitoring data for these years, and adjusted as necessary. The appropriate adjustment factors will then be applied to future projections, as

⁴ European Environment Agency, EMEP/EEA air pollutant emission inventory guidebook – 2016 <https://www.eea.europa.eu/themes/air/emep-eea-air-pollutant-emission-inventory-guidebook/emep> (accessed 02 May 2018)

⁵ Defra, Background Mapping data for local authorities, 2017 <https://uk-air.defra.gov.uk/data/laqm-background-home> (accessed 02 May 2018)

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necessary. This will ensure that any under-prediction of background concentrations from validation in 2015 is not reflected when using 2016 and 2017 as base years, and thus that more realistic future scenarios can be appropriately determined.

- 1.6.3 Where necessary, sectors can be removed from the background concentrations to avoid double-counting of emissions that are explicitly included in the dispersion model. This proposed approach is consistent with that adopted in the assessment work carried out on behalf of the Airports Commission.



2. DISPERSION MODELLING

2.1 Methodology for prediction of effects from airport-related activity

- 2.1.1 There are two principal sets of recommendations for carrying out an airport air quality study. The first arises from the PSDH, a programme run by the Department for Transport from around 2005–07, the objective of which was to develop the best practical methodology for assessing the air quality impacts of a third runway at Heathrow. This came up with a number of specific recommendations, but contains significant omissions where the best approach depends on data availability. For example, PSDH does not make any general recommendations about how to determine how long aircraft spend operating in various modes as this is airport specific and there are various potential data sources, and it is left to the analyst to use their judgement as to the best way of extracting suitable operating durations.
- 2.1.2 The PSDH methodology was implemented for the 2008/9 emissions inventory⁶, modelling study⁷ and model evaluation study⁸ and 2013 Air Quality Assessment⁹. The reports give a detailed description of the methodology used and form a useful reference. The model evaluation carried out in 2010 found that the approach gave a generally good agreement with the extensive monitoring data around Heathrow, and formed a suitable basis for evaluating the impacts of future airport developments there. Subsequent Heathrow inventories have used essentially the same methodology, with some updates where new airport-specific data has become available (e.g. for taxiing times).
- 2.1.3 The second methodology was published by ICAO in 2011¹⁰. This document deals with producing emission inventories for historic years, with very little attention paid to how inventories for future years might be produced. As such it is less directly relevant to the present work for the Project.
- 2.1.4 The ICAO methodology offers different levels of assessment, described as ‘simple’, ‘advanced’ and ‘sophisticated’, each requiring increasingly detailed data. The sophisticated approach generally requires detailed data on times, engine settings and so forth for each individual aircraft movement, so it is unsuitable for modelling future cases. The advanced approach is similar to the PSDH

⁶ B Y Underwood, C T Walker and M J Peirce, Heathrow Airport Emission Inventory 2008/9. AEAT/ENV/R/2906 Issue 1, July 2010

⁷ B Y Underwood, C T Walker and M J Peirce, Air Quality Modelling for Heathrow Airport 2008/9: Methodology. AEAT/ENV/R/2915 Issue 1, July 2010

⁸ B Y Underwood, C T Walker and M J Peirce, Air Quality Modelling for Heathrow Airport 2008/9: Results and Model Evaluation. AEAT/ENV/R/2948 Issue 1, July 2010

⁹ H Peace, C Walker and M Peirce, Heathrow Airport 2013 Air Quality Assessment. Ricardo-AEA/R/3438, January 2015

¹⁰ International Civil Aviation Organization (ICAO), Airport Air Quality Manual. Doc 9889. 2011



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recommendations in terms of data requirements, and can generally be adapted to future cases given suitable forecast data.

- 2.1.5 Much of the detail of the methodology is the same or similar between PSDH and ICAO. The methodology used in this assessment will be generally consistent with the ICAO advanced and PSDH recommendations, with decisions about the best approach being led by the availability of data.

2.2 Software

- 2.2.1 Dispersion modelling will be carried out using ADMS-Airport (currently version 4.1.1). This computer software was recommended for Heathrow air quality modelling by the PSDH and adopted for other Heathrow work by Heathrow in agreement with local authority stakeholders.
- 2.2.2 ADMS-Airport has a specific module for handling the near-field dispersion and plume rise of exhaust plumes from moving jet aircraft. It also includes the same representation of road traffic induced turbulence as in ADMS-Urban and ADMS-Roads, which have been shown to give a realistic assessment of near-road concentrations.
- 2.2.3 This is a mathematical modelling tool that simulates the dilution and dispersion of pollutants emitted into the atmosphere from both stationary (e.g. boiler plant chimneys) and mobile (e.g. aircraft and road traffic) sources. The effects of changes in emissions of pollutants from different sources on ambient air quality can then be evaluated.
- 2.2.4 Concentrations of NO_x , PM_{10} and $\text{PM}_{2.5}$ averaged over a 12-month period will be calculated. The total annual mean concentration will be calculated as the sum of a contribution from sources modelled explicitly using ADMS-Airport, such as aircraft, airside vehicles and road vehicles on the designated road network, and background maps.

2.3 Meteorological data

- 2.3.1 Meteorological data will be taken from the Heathrow monitoring station.
- 2.3.2 The assessment will consider the year-to-year variability in meteorological data based on an analysis of monitoring data and regional background concentrations. This will allow the “worst-case” meteorological year to be determined for the future year predictions. In each future year scenario, the emissions inventory for aircraft movements will need to be adjusted to account for the runway allocations (which are linked to wind speed and direction).



- 2.3.3 Key model parameters, such as minimum Monin-Obukhov (M-O) length (a length scale dependent on the friction velocity and the heat flux at the surface) and surface roughness (representing the aerodynamic effects of surface friction) will be defined in accordance with best practice in modelling at the time of the assessment.

2.4 Receptors

- 2.4.1 Concentrations will be predicted at a range of representative receptor locations identified using the Ordnance Survey Address Point dataset within the core assessment area. Receptors will be aligned to property façades. The selected receptors will enable a more detailed examination of concentration differences to be undertaken. This set of receptors will include current monitoring sites close to the airport and other off-airport locations with relevant public exposure chosen because of their proximity to airport-related sources. Defra's Pollution Climate Mapping (PCM) receptors will also be considered in order to assess compliance with the EU Limit Value for annual mean NO₂.
- 2.4.2 Results will also be calculated across a grid of receptor points in the core assessment area, with sufficient spatial resolution to capture concentration gradients, thereby enabling contours of concentration and concentration differences to be plotted.
- 2.4.3 In addition, concentrations will be modelled at sensitive ecological receptors to support the Habitats Risk Assessment (HRA) (**Chapter 7: Biodiversity**). These locations include Sites of Special Scientific Interest (SSSIs), Special Protection Areas (SPAs) and Special Areas of Conservation (SACs).

2.5 NO_x to NO₂

- 2.5.1 As described in Section 0, emissions are expressed in terms of NO_x (NO+NO₂), whereas human health effects relate to NO₂. Besides the NO₂ released directly from the source, further NO₂ is formed in the atmosphere, principally by interaction of nitric oxide (NO) with background ozone.
- 2.5.2 There are two main approaches for deriving NO₂ from annual mean NO_x used in the UK. One approach is the methodology used by Defra in its PCM modelling (based on analysis carried out by Jenkin¹¹). The other is the NO_x to NO₂ conversion tool developed for Local Air Quality Management (LAQM) purposes¹².

¹¹ Jenkin M E, Analysis of sources and partitioning of oxidant in the UK – Part 1: the NO_x-dependence of annual mean concentrations of nitrogen dioxide and ozone, 2004

¹² Defra, Background Maps, 2017

<https://laqm.defra.gov.uk/review-and-assessment/tools/background-maps.html>



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- 2.5.3 The precise approach for the derivation of annual mean NO₂ concentrations in the assessment will be developed in accordance with the government guidance available at the time of assessment and will be agreed with the Air Quality Expert Review Group (AQERG)

2.6 Model verification

- 2.6.1 To establish how well the modelling methodology is able to predict concentrations, and in line with best-practice in dispersion modelling assessments, a model test (or model verification) will be undertaken.
- 2.6.2 There are several automatic air quality monitoring stations that could potentially be included in the model verification as detailed in Table 5.3.
- 2.6.3 There are a number of approaches that can be used to split model “training” and “testing” to ensure the best possible agreement between monitored and modelled pollutant concentrations in the base years considered. The proposed approach is ‘Leave-one-out cross-validation’ (LOOCV).
- 2.6.4 This method has been selected due to the number of automatic sites available for the verification work. Dividing the suitable monitoring stations between training and testing subsets reduces the number available for each stage.
- 2.6.5 In LOOCV, the model is repeatedly trained on ‘all observations – 1’ and then tested on the remaining observations; this process is repeated for all possible ways to cut the dataset, e.g. where n=20, there would be 20 ‘training – test’ iterations. The average across the iterations is then reported. The parameters to be considered in the training process will require further discussion and agreement.
- 2.6.6 There is also a wide network of NO₂ diffusion tube sites within the model domain that could be used to supplement the automatic sites, although the measurement uncertainty is much greater, and diffusion tubes can only provide information on annual mean NO₂ concentrations.
- 2.6.7 It is proposed that only automatic monitoring sites will be used for model verification. The verified model will also be evaluated for performance against the diffusion tube sites, with regard to correlation, Root-Mean-Square Error (RMSE) and Fractional Bias.

2.7 Calculation of nitrogen deposition

- 2.7.1 The predominant route by which emissions to air will affect land is by deposition of atmospheric emissions. Ecological receptors can potentially be sensitive to the



deposition of pollutants, particularly nitrogen and sulphur compounds, which can affect the character of the habitat through eutrophication and acidification.

- 2.7.2 Deposition processes in the form of dry and wet deposition remove material from a plume and alter the plume concentration. Dry deposition occurs when particles are brought to the surface by gravitational settling and turbulence. They are then removed from the atmosphere by deposition on the land surface. Wet deposition occurs due to rainout scavenging (within clouds) and washout scavenging (below clouds) of the material in the plume. These processes lead to a variation with downwind distance of the plume strength, and may alter the shape of the vertical concentration profile as dry deposition only occurs at the surface.
- 2.7.3 For estimating the airport's contribution to local nitrogen deposition for consideration in the HRA, it is assumed that only the direct deposition of NO_x is relevant. Clearly, for the total deposition of nitrogen from all sources, other nitrogen species are important (such as nitrate and ammonium ions), however, these species are not directly released by airport sources and the atmospheric transformation of locally emitted nitrogen oxides into these species takes some time, so little of the transformed nitrogen will be deposited locally. Although ammonia is released in small quantities by road vehicles, previous work has shown that the additional contribution to local nitrogen deposition from this source is negligible.
- 2.7.4 It will be assumed that both dry and wet deposition of NO are negligible. In relation to dry deposition, soil is often a source of NO rather than a sink, so the contribution of NO to direct deposition of nitrogen is generally ignored. NO is poorly soluble in water and its wet deposition is also usually ignored in long-range modelling. Near to sources of pollutants (<2 km), dry deposition is generally the predominant removal mechanism for pollutants such as NO_x ¹³.
- 2.7.5 Calculation of the airport's contribution to the local dry deposition of NO_2 is assumed to provide an adequate estimate of the airport's effect on local nitrogen deposition. Deposition will not be calculated directly within the dispersion model. Deposition flux will be calculated from predicted ambient concentrations using appropriate deposition velocities. The deposition velocity will be set in relation to the land use at the receptor location and Environment Agency recommended deposition velocities. Subsequent calculations convert the deposition flux to annual deposition per unit area.
- 2.7.6 It will be assumed that the fraction of total NO_2 concentration that can be attributed to the airport emissions (including airport-related traffic on landside roads) is the same as the fraction of total NO_x concentrations that is calculated to be due to the

¹³ Environment Agency, Technical Guidance on Detailed Modelling Approach for an Appropriate Assessment for Emissions to Air, March 2014



airport emissions. This assumption is likely to overestimate the incremental contribution to NO₂ deposition and, hence, to nitrogen deposition, from airport sources.

- 2.7.7 Background deposition rates of all pollutants will be taken from the APIS website¹⁴, based on the most sensitive habitat feature at that designated site. There is a slight trend in the monitoring data for concentrations to reduce over the years. This trend will be ignored for conservatism. The future baseline will therefore be assumed to be the same as the current baseline. For near-road locations, the projected Defra maps will be used for consistency across the roads methodology. No information is available on future deposition rates, so these too will be assumed to be the same as the current baseline.

¹⁴ Air Pollution Information System (APIS) website www.apis.ac.uk (accessed 02 May 2018)



Appendix 6.1

Biodiversity Method Statements



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Biodiversity Method Statements

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1. INTRODUCTION

- 1.1.1 This report outlines the scope, methodologies and programme for the collection of biodiversity baseline survey data to inform the Environmental Impact Assessment (EIA), Habitats Regulations Assessment (HRA) and any licensing requirements for legally protected species for the Heathrow Expansion Project ('the DCO Project'). Sections 3 to 26 present 24 individual method statements, each detailing one or more survey types.
- 1.1.2 The purpose of this report is to ensure a consistent, transparent and standardised approach to the survey methodologies used for the DCO Project and the provision of a robust baseline to inform the EIA and HRA. This document will be updated, if necessary, to provide further information on where the general methodologies have been amended to reflect local conditions as the availability of land access evolves. Any alterations required to field survey methods to reflect local conditions (e.g. as a result of health and safety considerations) will be discussed and agreed with Natural England (the government's adviser for the natural environment) prior to implementation and will be reported within future biodiversity survey baseline reports.
- 1.1.3 Heathrow consulted with Natural England to enable them to comment on the approach proposed within the 24 Method Statements detailed in this document. Following consultation, the Method Statements were revised to take account of comments received from Natural England. The Method Statements were agreed with Natural England as suitable for the delivery of robust baseline information.
- 1.1.4 Surveys began during the spring/summer periods of 2017 and will continue into 2018; survey/ timings for 2018 may require amendment dependent on access provision to privately owned land.
- 1.1.5 All ecologists involved in the survey programme are suitably trained, qualified and experienced for the particular survey type they are undertaking. The ecologists are members of professional bodies such as the Chartered Institute of Ecology and Environmental Management (CIEEM), with many specialists holding licences to facilitate surveys of legally protected species where appropriate.



2. STUDY AREA

- 2.1.1 Sections 3 to 26 detail how field survey scoping was undertaken to determine the extent of land requiring a specific ecological survey (hereafter referred to as the 'study area'). The study area was influenced by the extent of the DCO Project and based on accepted best practice guidance to define appropriate survey extents. Surveys undertaken in 2017 were based on the masterplan as shown in the Airports Commission final report (July 2015), with the addition of neighbouring areas where further direct or indirect effects may occur (Figure 6.1.1). This area being known as the 'baseline data collection area'.
- 2.1.2 As the DCO Project design is not yet fixed a definitive survey boundary cannot be accurately described. Therefore, the extent of the study area will be reviewed and updated (if required) as the design evolves and particularly once the boundary of the DCO Project has been confirmed.



3. PHASE 1 HABITAT SURVEY METHODOLOGY AND PROGRAMME

3.1 Background

3.1.1 The Phase 1 Habitat Survey methodology has been designed to identify the habitat categories present within the study area (Figure 6.1.1).

3.2 Survey guidance

3.2.1 The primary guidance used to inform the survey methodology was the Handbook for Phase 1 Habitat Survey published by the Joint Nature Conservation Committee (JNCC) in 2010 (JNCC, 2010)¹. Other relevant guidance includes Biodiversity – Code of practice for planning and development (BSI, 2013)².

3.2.2 These guidelines have been considered when designing the methodology and programme of survey work.

3.3 Field surveys

Field survey scoping

3.3.1 A Phase 1 Habitat Survey and mapping was undertaken across the study area, access permitting. A high-level Phase 1 Habitat survey of the area had previously been undertaken in 2015. This was largely based upon aerial imagery and limited ground truthing. The 2017 Phase 1 Habitat survey used this information for context, but it does not form the basis of the survey output.

Field survey methods

3.3.2 A walkover survey of the study area, where access allowed, comprised a Phase 1 Habitat Survey following JNCC guidance (JNCC, 2010). Dominant plant species were target noted, as were any protected, uncommon, invasive species or species indicative of particular habitat types, but there was no attempt to compile exhaustive species lists which is in accordance with the guidance. A habitat map was produced for the study area and the locations of the target notes shown on the map.

3.3.3 Where access was restricted, where possible, surveys from vantage points or Public Rights of Ways (PRoW) were undertaken instead. The results were

¹ JNCC, Handbook for Phase 1 Habitat Survey: a Technique for Environmental Audit. Joint Nature Conservation Committee, Peterborough, 2010

² BSI, Biodiversity. Code of practice for planning and development. BSI, London, 2013



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augmented by aerial imagery and the 2015 high-level Phase 1 Habitat survey. As this data is not of comparable quality to that collected from areas where full access was available, these limitations were recorded and documented. Where access becomes available, a Phase 1 Habitat survey will be conducted and existing, high level, survey data refined.

3.4 Programme of surveys

- 3.4.1 The programme for completing Phase 1 Habitat Survey work is set out in Table 6.1.. While most habitat types can be classified throughout the year, plant species are most easily identified in the spring and summer seasons, with the field season considered as being between April and mid-October in the south of England.
- 3.4.2 It was intended that the majority of the Phase 1 Habitat Surveys would be completed early in the 2017 season because these surveys inform the need for further survey techniques. However, due to known or potential access issues, the survey programme also allows for surveys to be completed between April and October 2018.

Table 6.1.1 Programme of Phase 1 habitat survey work

Task	Timing
Phase 1 Habitat Surveys	May – October 2017
Phase 1 Habitat Surveys: areas with delayed land access	April – October 2018
Phase 1 Habitat Surveys: areas with delayed land access	April – October 2019 (only if required)



4. NATIONAL VEGETATION CLASSIFICATION SURVEY METHODOLOGY AND PROGRAMME

4.1 Background

- 4.1.1 The National Vegetation Classification (NVC) survey was designed to provide detailed botanical information on habitats of conservation importance present within the study area (Figure 6.1.1). The identification of NVC plant communities is used to establish whether the habitats recorded within the study area are Section 41 habitats of principal importance (NERC Act, 2006) or habitats included in Annex I of the Habitats Directive. NVC surveys also inform the identification of the presence of protected and threatened plant species.
- 4.1.2 The following text outlines the methodologies and programme for undertaking the NVC survey in areas of protected, or sensitive habitats.

4.2 Survey guidance

- 4.2.1 The NVC methodology derives from the Nature Conservancy Council's The National Vegetation Classification: User's Handbook (Rodwell, 2006)³ which provides a general methodology for sampling vegetation and carrying out an NVC survey.
- 4.2.2 More detailed methodology and information is provided in the five-volume series entitled British Plant Communities, which covers the following habitats: woodlands and scrub (Rodwell, 1991a)⁴; mires and heath (Rodwell, 1991b)⁵; grassland and montane communities (Rodwell, 1992)⁶; aquatic communities, swamps and tall-herb fens (Rodwell, 1995)⁷; and maritime communities and vegetation of open habitats (Rodwell, 2000)⁸.
- 4.2.3 The surveys for the DCO Project were focussed on woodland, grassland, swamp and marsh communities given that:
1. NVC methodology is not particularly suitable for aquatic habitats

³ Rodwell, J.S., National Vegetation Classification: User's Handbook. Joint Nature Conservation Committee, Peterborough, 2006

⁴ Rodwell, J.S., *British Plant Communities. Volume 1.* Woodlands and scrub. Cambridge University Press, 1991a

⁵ Rodwell, J.S., *British Plant Communities. Volume 2.* Mires and heath. Cambridge University Press, 1991b

⁶ Rodwell, J. S., *British Plant Communities. Volume 3.* Grassland and montane communities. Cambridge University Press, 1992

⁷ Rodwell, J.S., *British Plant Communities. Volume 4.* Aquatic communities, swamps and tall-herb fens. Cambridge University Press, 1995

⁸ Rodwell, J.S., *British plant communities. Volume 5.* Maritime communities and vegetation of open habitats. Cambridge University Press, 2000



2. Aquatic habitats will be subjected to River Habitat Surveys, River Corridor Surveys and macrophyte surveys
3. There are no mires or heaths in the study area.

4.2.4 Other relevant guidance considered here includes Biodiversity – Code of practice for planning and development (BSI, 2013).

4.3 Field surveys

Field survey scoping

- 4.3.1 The entire study area was reviewed to identify and map all areas requiring a botanical survey at NVC level, where access allowed. This assessment was based upon the results of the Phase 1 Habitat Survey completed in 2017. Further areas requiring botanical survey at NVC level may be identified during the Phase 1 surveys to be carried out in 2018.
- 4.3.2 The focus of the NVC survey was on habitat areas within designated sites or those deemed to be potentially important (e.g. areas that may be classified as habitats of principle importance). The field survey scoping also drew upon a review of desk study data, aerial photography and a high-level Phase 1 Habitat Survey carried out in 2015.
- 4.3.3 The habitats subjected to NVC surveys include, but are not necessarily limited to, the following categories:
1. Qualifying terrestrial habitats within designated sites (statutory and non-statutory)
 2. All terrestrial habitats of principal importance, as listed on Section 41 of the NERC Act (2006)
 3. All semi-natural terrestrial habitats listed in the relevant Local Biodiversity Action Plans (BAP) (London BAP, Berkshire BAP, Buckinghamshire BAP or Surrey BAP, as relevant)
 4. All semi-natural woodland habitat (even if it does not fall in the categories above)
 5. All swamps (including reedbeds) and marshes (even if they do not fall in the categories above)
 6. Habitats known to support plant species protected under Schedule 8 of the Wildlife and Countryside Act 1981 and Schedule 5 of the Conservation of Habitats and Species Regulations 2017, listed as threatened (Stroh *et al.*,



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2014)⁹, rare or scarce or are species of principal importance (Section 41 or Local BAP) at national or local levels (vascular plants and bryophytes).

Field survey methods

- 4.3.4 At each site selected for an NVC survey, habitats were sampled using vegetation quadrats following the NVC methodology (Rodwell, 1991a; 1991b; 1992; 1995; 2000 and 2006). Stands of homogenous vegetation were identified, and a number of quadrats of a size appropriate to the vegetation placed randomly within each stand. The aim was to take at least five quadrats in each plant community. Any deviations from the standard methodology were recorded e.g. where the area surveyed was too small or where access was restricted, not possible or not permitted.
- 4.3.5 The abundance of the plant species within each quadrat was assessed and recorded using the Domin scale, as detailed in Table 6.1.2. Cover was assessed as a measure of the vertical projection of the extent of the living parts of a species on to the ground.

Table 6.1.2 Assessment of percentage cover using Domin scale

Domin Scale	Percentage Cover
10	91-100
9	76-90
8	51-75
7	34-50
6	26-33
5	11-25
4	4-10
3	<4 many individuals
2	<4 several individuals
1	4< few individuals

- 4.3.6 A plant species list was compiled for each plant community identified during the botanical survey. The nomenclature for vascular plants followed Stace (2010)¹⁰ for both scientific and English names. The bryophyte nomenclature followed Blockeel et al. (2015)¹¹ for scientific names.

⁹ Stroh, P., Leach, S.J., August, T.A., Walker, K.J., Pearman, D.A., Rumsey, F.J., Harrower, C.A., Fay, M.F., Martin, J.P., Pankhurst, T., Preston, C.D., Taylor, I., A Vascular Plant Red List for England. BSBI, Bristol, 2014

¹⁰ Stace, C. A., *New Flora of the British Isles*, ed. 3. Cambridge University Press, Cambridge, 2010

¹¹ Blockeel, T.L, Bosanquet, S.D.S., Pescott, O.L., BBS Interim Census Catalogue 2015, 2015



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- 4.3.7 Each stand of homogenous vegetation was assigned to a community and sub-community type using the NVC (Rodwell, 1991a; 1991b; 1992; 1995; 2000 and 2006). The frequency (constancy) class was calculated for each species where there were at least five quadrats in the same community.
- 4.3.8 The relative abundances of the plant species in each plant community (both within and outside quadrats) was recorded using the DAFOR scale (Table 6.1.3).

Table 6.1.3 Assessment of species abundance and frequency using the DAFOR scale

DAFOR score	Meaning
D	Dominant
A	Abundant
F	Frequent
O	Occasional
R	Rare

- 4.3.9 The location of each quadrat was recorded accurately on a plan with a GPS coordinate taken and at least one photographic record to show the vegetation present. For species where identification may be contentious, voucher specimens were taken.

Data processing and analysis

- 4.3.10 The output from the NVC surveys comprises:
1. Quadrat data, recorded on a standard data form
 2. Summary tables and text describing the plant communities identified and their relationship to NVC communities
 3. Photographs of each quadrat
 4. Maps showing survey results, prepared through creation of a GIS layer.
- 4.3.11 To classify NVC plant communities, quadrat data was analysed using MAVIS¹². This tool was used together with professional judgement and a visual comparison of the data recorded on site with the tables in the NVC volumes.

4.4 Programme of surveys

- 4.4.1 The programme for completing NVC surveys is set out in Table 6.1.4. As a comprehensive species list is required, surveys are undertaken when species are

¹² S. Smart, A. Goodwin, H. Wallace, M. Jones, MAVIS (Ver 1.03) User Manual. Centre for Ecology & Hydrology, 2016



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at their most visible and identifiable. With most vegetation types this is between June and August. Calcareous grassland is in full vegetation earlier, but to date this habitat type has not been identified within the study area. However, should this habitat type be located following a Phase 1 Habitat Survey, an appropriately timed NVC survey will be carried out (in 2018).

- 4.4.2 Given the conservation importance of semi-natural/native woodland, all areas supporting this habitat will be surveyed once in April to capture the spring ground flora and again in July/August for trees and shrubs (either in 2017 or 2018).
- 4.4.3 Surveys commenced in 2017 and will continue into the 2018 season.

Table 6.1.4 Programme of National Vegetation Classification survey work

Task	Timing
NVC survey: all habitats	July – August 2017
NVC survey: woodland spring flora	April 2018
NVC survey: sites to be completed	June – August 2018
NVC survey: sites to be completed	June – August 2019 (only if required)



5. HEDGEROWS REGULATIONS ASSESSMENTS METHODOLOGY AND PROGRAMME

5.1 Background

- 5.1.1 The Hedgerows Regulations Assessment methodology has been designed to identify hedgerows defined as “important” under the Hedgerows Regulations 1997 and record general information about the status of hedgerows in the study area (Figure 6.1.1).
- 5.1.2 The following text outlines the methodologies and programme for undertaking the Hedgerows Regulations Assessments.

5.2 Survey guidance

- 5.2.1 Native hedgerows (a Section 41¹³ habitat of principal importance in England) were assessed using standard methodology outlined in Schedules 1 to 3 of The Hedgerows Regulations 1997 to determine whether they should be classed as ‘Important.’ This assessment followed the Wildlife and Landscape criteria in the Hedgerows Regulations 1997.
- 5.2.2 The above guidelines were taken into account when designing the methodology and programme of survey work.

5.3 Field surveys

Field survey scoping

- 5.3.1 The hedgerows subjected to Hedgerows Regulations Assessments were selected following a Phase 1 Habitat Survey.
- 5.3.2 All native hedgerows (i.e. dominated by native woody species) that are known or likely to be species-rich were included in the Hedgerows Regulations Assessments.

Field survey methods

- 5.3.3 Each hedgerow was surveyed by an appropriately qualified ecologist walking the entire length of hedgerow on both sides. Walking on both sides enables the identification of relevant features which may not be seen from one side.

¹³ Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 (England).



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- 5.3.4 To be classified as 'Important' under the Wildlife and Landscape criteria, the hedgerow must be over 30 years old and meet at least one of the following conditions:
1. Contains protected species listed in the Wildlife and Countryside Act 1981 (as amended)
 2. Contains species that are endangered, vulnerable and rare and identified in the British Red Data books
 3. Includes woody species and associated features as specified in the Regulations.
- 5.3.5 With regards to woody species and associated features, for a hedgerow to be classed as 'important' it would need to comprise one of the following:
1. At least seven woody species per 30m
 2. At least six woody species per 30m and at least three features (see explanation below in paragraphs 5.3.7 and 5.3.6)
 3. At least six woody species per 30m including any one of Pn/Sot/Tic/Tip (see codes in Annex A)
 4. At least five woody species per 30m and at least four features
 5. Or if adjacent to a bridleway/footpath, at least four woody species and at least two features.
- 5.3.6 The woody species 'recognised' by The Hedgerows Regulations and the valuable ground flora species are listed in Annex A.
- 5.3.7 The hedgerow features that will be recorded as present or absent are listed in Table 6.1.5 together with explanations.

Table 6.1.5 Hedgerow features to be recorded during the Hedgerows Regulations Assessment

Hedgerow feature	Explanation
Bank/wall	The hedgerow is supported along at least half of its length by a bank/wall.
Intact hedge	The hedgerow contains less than 10% gaps along its length.
Trees	The hedgerow supports at least 1 standard tree per 50m length (standard trees are defined as those which when measured at 1.3m above ground level have a diameter of at least 20 cm, or 15 cm for multi-stemmed trees).



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Hedgerow feature	Explanation
3 flora species	The hedgerow supports at least 3 of the valuable ground flora species defined by the Hedgerows Regulations 1997 (see Annex A). The hedgerow is considered to support a plant if it is rooted within 1m (in any direction) of the hedgerow.
Ditch	There is a ditch along at least half of the length of the hedgerow.
Connections \geq 4 points	A hedgerow must score 4 or more 'connections points'. Connections with an adjoining hedgerow(s) score 1 point each and a connection with a pond or woodland (in which the majority of the trees are broad-leaved) scores 2 points each. A hedgerow is considered to be connected if it meets the feature or if it has a point within 10m of it and would meet it if the line of the hedgerow continued.

5.4 Programme of surveys

- 5.4.1 The programme for completing the Hedgerows Regulations Assessments is set out in Table 6.1.6. Surveys commenced in 2017 and will continue in 2018. The optimum period for survey is May to September. The survey started in July 2017 following the scoping using the Phase 1 Habitat Survey.

Table 6.1.6 Programme of Hedgerows Regulations Assessments

Task	Timing
Hedgerow Regulations Assessment	July – September 2017
Hedgerow Regulations Assessment: sites to be completed	May – August 2018
Hedgerow Regulations Assessment: sites to be completed	May – August 2019 (only if required)



6. HABITAT CONDITION ASSESSMENT METHODOLOGY AND PROGRAMME

6.1 Background

6.1.1 Habitat Condition Assessments will be carried out on Sites of Special Scientific Interest (SSSI) that fall within the study area (Figure 6.1.1).

6.2 Survey guidance

6.2.1 The Common Standards Monitoring Guidance for Designated Sites was launched by the Joint Nature Conservation Committee (JNCC) and the Statutory Nature Conservation Agencies (SNCA). This comprises a series of documents that have been developed to provide guidance on setting and assessing conservation objectives and to assist SNCA staff in undertaking site monitoring and assessment of UK protected sites.

6.2.2 Staines Moor SSSI is the only SSSI that is within the current study area. The habitats known to occur within this SSSI include lowland neutral grassland and standing open water with canals. However, this method statement deals with the lowland neutral grassland habitats only, given that standing open water will be subjected to a range of other surveys discussed below in Chapters 9-13 (surveys for macrophytes, macroinvertebrates, fish, water voles and otters).

6.2.3 The guidance document Common Standards Monitoring Guidance for Lowland Grassland (JNCC, 2004a)¹⁴ forms the basis of the methodology outlined below.

6.3 Field surveys

Field survey scoping

6.3.1 Habitat Condition Assessments will be undertaken for Staines Moor SSSI in 2018.

6.3.2 Where available, existing data from previous Common Standards Monitoring of the SSSI have been requested from Natural England. Where this is available, the condition assessments to be undertaken as part of the DCO Project will enable existing assessments to be ground-truthed and/or updated.

¹⁴ JNCC (2004a). Common Standards Monitoring Guidance for Lowland Grassland, Version February 2004, ISSN 1743-8160 http://jncc.defra.gov.uk/PDF/CSM_lowland_grassland.pdf (accessed 03 May 2018)



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Field survey methods

- 6.3.3 The results of a Phase 1 Habitat Survey will be used to inform the Habitat Condition Assessment and identify the areas requiring assessment and the exact methodologies to be used.
- 6.3.4 A structured walk around the site will be undertaken, designed to encompass all major variations in habitat structure, with notes taken on the specific attributes being assessed (as outlined in more detail by habitat type below in paragraph 6.3.6).
- 6.3.5 The main features and attributes to be considered are outlined in the following section with more detailed methodologies provided in the guidance document the Common Standards Monitoring Guidance (JNCC, 2004a¹³).

Lowland grassland

- 6.3.6 Lowland grasslands are classified by the Common Standards Monitoring Guidance as grasslands which lie below the limit of agricultural enclosure (JNCC, 2004a¹³). As per the guidance, the following attributes of the grassland communities will be evaluated:
1. Extent
 2. Sward composition – grass: herb ratio
 3. Sward composition – positive indicator species
 4. Sward composition – negative indicator species
 5. Primary attribute - indicators of local distinctiveness
 6. Secondary attribute: sward structure – height Secondary attribute: sward structure – litter
 7. Secondary attribute: sward structure - bare ground
 8. Mixtures and mosaics.
- 6.3.7 Each attribute is evaluated based on quality thresholds (targets), which are detailed in the JNCC guidance (JNCC, 2004a).
- 6.3.8 The field assessment will involve a structured walk around the grassland area, with observations and recording undertaken at 20 sample points. The number of sample points may need to be reduced if the area to survey is small. The route will be selected to give good coverage of the area to be assessed.
- 6.3.9 As sward composition plays an important role in assessments, field surveyors will be experienced in the identification of a range of British grassland vascular plant species.



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- 6.3.10 The methods of assessment are specific to each attribute and include: structured observation or sampling; direct measurements; and comparative assessment of the current habitat extent with previous habitat/ vegetation maps (where available) and/ or aerial photos. Detailed methodology is given in the JNCC guidance (JNCC, 2004a).

Judging the condition of features

- 6.3.11 Based on the findings of the Habitat Condition Assessment surveys and a review of previous condition assessments where available, the features of interest listed in the habitat types above will be categorised into the following assessment categories (JNCC, 2004a):
1. Favourable - maintained. An interest feature should be recorded as maintained when its conservation objectives were being met at the previous assessment, and are still being met
 2. Favourable - recovered. An interest feature can be recorded as having recovered if it has regained favourable condition, having been recorded as unfavourable on the previous assessment
 3. Unfavourable - recovering. An interest feature can be recorded as recovering after damage if it has begun to show, or is continuing to show, a trend towards favourable condition
 4. Unfavourable - no change. An interest feature may be retained in a more-or-less steady state by repeated or continuing damage; it is unfavourable but neither declining nor recovering. In rare cases, an interest feature might not be able to regain its original condition following a damaging activity, but a new stable state might be achieved
 5. Unfavourable - declining. Decline is another possible consequence of a damaging activity. In this case, recovery is possible and may occur either spontaneously or if suitable management input is made
 6. Partially destroyed. It is possible to destroy sections or areas of certain features or to destroy parts of sites with no hope of reinstatement because part of the feature itself, or the habitat or processes essential to support it, has been removed or irretrievably altered
 7. Destroyed. The recording of a feature as destroyed will indicate the entire interest feature has been affected to such an extent that there is no hope of recovery, perhaps because it's supporting habitat or processes have been removed or irretrievably altered.



6.4 Programme of Surveys

- 6.4.1 The programme for completing Habitat Condition Assessment surveys is set out in Table 6.1.7. The guidance recommends survey for Habitat Condition Assessment in spring and summer.

Table 6.1.7 Programme of Habitat Condition Assessments

Task	Timing
Grassland	July – August 2018
Sites to be completed	May – August 2018



7. RIVER CORRIDOR SURVEY METHODOLOGY AND PROGRAMME

7.1 Background

7.1.1 The following text outlines the methodologies and programme for undertaking the River Corridor Survey (RCS). Note that a River Habitat Survey (RHS) was undertaken in parallel, which complemented the findings of the RCS.

7.2 Survey guidance

7.2.1 The National Rivers Authority (NRA) “River Corridor Surveys: Methods and Procedures” (NRA, 1992)¹⁵ provides a standardised methodology for the undertaking of RCS. Guidance provided in this document was taken into account when designing the survey methodology and programme of survey work.

7.3 Field surveys

Field survey scoping

7.3.1 Prior to survey work commencing, a scoping visit was undertaken by the aquatic ecology lead to inform the survey protocols, to discover relevant features not identified from Ordnance Survey (OS) maps, and to familiarise themselves with the study area.

7.3.2 The outputs of the scoping visit, the results of the Phase 1 Habitat Survey and the analysis of aerial imagery was used to identify and define appropriate survey locations, including health and safety and access considerations.

Field survey methods

7.3.3 The RCS standardised methodology (NRA, 1992)¹⁵ was used to characterise and assess the ecological value of relevant watercourses, as well as related riparian habitat and vegetation within the study area.

7.3.4 A river corridor generally describes the stretch of a river, its banks and the land close by. The latter usually includes land and vegetation within 50m of the river bank. For the purposes of the RCS and in line with NRA (1992) guidance, the watercourses were divided into reaches of 500m for mapping.

7.3.5 Each 500m reach was divided into zones and the vegetation and features mapped as shown in Table 6.1.8.

¹⁵ National Rivers Authority, River Corridor Surveys: Methods and Procedures. HMSO, Bristol 34p, 1992



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Table 6.1.8 River Corridor Survey zones and types of features mapped

Zone	Features recorded and mapped
Aquatic	Plant communities Flow and current features Substrate and physical features
Marginal	Plant communities Substrate and physical features
Bank	Tree species Other plant communities Physical features
Adjacent land	Habitat types (using Phase 1 Habitat Survey categories (JNCC, 2010)) ² Land use

Source: NRA (1992)

- 7.3.6 For the aquatic, marginal and bank zones, vegetation records included dominant species and species of conservation significance.
- 7.3.7 For the adjacent land zone, riparian habitats and vegetation were mapped using standard Phase 1 Habitat codes and methodologies (JNCC, 2010).
- 7.3.8 Botanical nomenclature followed Stace (2010)¹⁶ for both scientific and English names.
- 7.3.9 Critical areas, including sensitive habitats and habitats not easily recreated or re-established, were highlighted on RCS maps with an asterisk.
- 7.3.10 At least two photographs representative of the 500m reach were taken, as well as photographs of the cross section (see Annex B) and any notable features, including in-channel features, man-made features and evidence of legally protected or notable species.
- 7.3.11 Maps were drawn so that the direction of flow was from the bottom to the top of the page (and so the left-hand bank is on the left side of the page) and survey sections numbered in order, sequentially downstream to upstream. Each map also included a cross section for the 500m reach that showed the following features:
1. Width of the water-filled channel
 2. Depth of the water
 3. Bank height, slope and width
 4. Flood bank height and width where appropriate;

¹⁶ Stace, C. A., *New Flora of the British Isles*, ed. 3. Cambridge University Press, Cambridge, 2010



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5. Water level relative to the top of the bank
6. Land use to a minimum of 50m either side of the river.

7.4 Programme of surveys

- 7.4.1 The programme for completing the RCS is set out in Table 6.1.9. According to the NRA (1992) guidance, the survey should be undertaken between late April and early October (when vegetation should be readily identifiable).

Table 6.1.9 Programme of River Corridor Survey work

Task	Timing
Field surveys	May to July 2017
Field surveys (remaining areas that could not be surveyed in 2017)	May to June 2018
Field surveys (remaining areas that could not be surveyed in 2017 - 2018)	May to June 2019



8. RIVER HABITAT SURVEY METHODOLOGY AND PROGRAMME

8.1 Background

8.1.1 The following text outlines the proposed methodologies and programme for undertaking the River Habitat Survey (RHS) within the study area (Figure 6.1.1).

8.2 Survey guidance

8.2.1 The River Habitat Survey in Britain and Ireland Field Survey Guidance Manual (Environment Agency, 2003)¹⁷ is the main source of guidance for RHS and was considered when designing the survey methodology and programme of survey work.

8.3 Field surveys

Field survey scoping

8.3.1 Prior to survey work commencing, a scoping visit was undertaken by the aquatic ecology lead with the aim of informing the survey protocols, discovering relevant features not identified from Ordnance Survey (OS) maps, and to familiarise themselves with the study area.

8.3.2 The outputs of the scoping visit, together with the results of the Phase 1 Habitat Survey and the analysis of aerial imagery were used to identify and define appropriate study areas, including health and safety and access considerations.

Field survey methods

8.3.3 The River Habitat Survey standardised methodology (Environment Agency, 2003) was used to characterise and assess the physical structure of relevant watercourses within the study area.

8.3.4 The watercourses were divided into reaches of 500m for the RHS. Within each reach, the physical attributes of the banks and channel were recorded (such as material present, modification, flow types, etc.), as well as information about the riparian habitat. In line with the RHS guidelines (Environment Agency, 2003), observations were made at ten equally spaced spot-check locations along the channel.

¹⁷ Environment Agency, The River Habitat Survey in Britain and Ireland Field Survey Guidance Manual. Environment Agency; Peterborough, 2003



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- 8.3.5 The RHS recorded the presence, absence and, where relevant, the number or extent of specific features. The following information was collected:
1. The number of natural features within the 500m reach, including riffles, pools, unvegetated and vegetated point bars
 2. The number of artificial features within the 500m reach, including weirs/sluices, culverts, bridges, outfalls/intakes, fords and deflectors/groynes/croys
 3. Ten spot-checks recording bank and channel material, modifications and features, channel substrate, flow type and vegetation types, and banktop and surrounding land-use and vegetation structure
 4. An indication of the length of natural/unmodified bank and artificial/modified bank across the 500m reach
 5. Extent of trees and associated features
 6. Extent of channel and bank features, including flow types, cliff status, mid-channel bars, mature islands, side bars, points bars and other deposits
 7. An estimate of channel dimensions
 8. Any features of special interest, including boulders, leafy debris, backwaters, marshes and wet woodland
 9. Any invasive plant species
 10. Any other relevant characteristics, such as major impacts, evidence of recent management or animals.
- 8.3.6 At least two representative photographs were taken of each reach, as well as photographs of notable features and structures, such as any weirs/sluices and major or intermediate structures across the channel.
- 8.3.7 Channel structures were classified using the criteria in Table 6.1.10.

Table 6.1.10 River Habitat Survey channel structure classifications

Structure	Major	Intermediate	Minor
Weirs/sluices	Permanent. More or less water tight. Extending across the entire width of the channel.	Semi-permeable. Fixed. Extending across the entire width of the channel but permeable enough to allow some water through.	Small. Permeable and usually temporary – often made by children. Would get dislodged by large spates.
Culverts	All culverts are recorded as major.		



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Structure	Major	Intermediate	Minor
Bridges	One or more in-channel support(s) and/or with more abutments that extend 25m or more along the bank.	No in-channel supports. Abutments occupy 10-25m of bank length.	No in-channel supports. Bank abutments occupy less than 10m of the bank.
Outfalls/intakes	Permanent structures occupying 25m or more of bank length.	Permanent structures occupying 10 to 25m of bank length.	Permanent structures occupying 10m or less of bank length.
Fords	Comprised of artificial material and causing significant ponding upstream. May be rubble infill or tarmac.	Shallow crossing with banks made from artificial material but channel bed is not artificial.	Shallow crossing without artificial material either on banks of the river bed.
Deflectors/groynes/croys	Extends across 20% of the channel. Includes collapsed weirs.	Extends across 10-20% of the channel.	Extends across less than 10% of the channel.

Source: Environment Agency (2003)

8.3.8 The data collected was entered into the RAPID database ¹⁸(version 3.0 developed by the Centre for Ecology and Hydrology) which enabled the calculation of a Habitat Modification Score and as a result, a Habitat Modification Class (see Table 6.1.11). RAPID also calculates a Habitat Quality Assessment score to compare rivers of similar types. Higher Habitat Quality Assessment scores indicate a more varied habitat with a greater variety of natural physical features.

Table 6.1.11 Habitat Modification Class

Habitat Modification Class (HMC)	HMC description	Habitat modification score
1	Pristine/semi-natural	0-16
2	Predominantly unmodified	17-199
3	Obviously modified	200-499
4	Significantly modified	500-1399
5	Severely modified	1400+

Source: Environment Agency (2003)

8.4 Programme of surveys

8.4.1 The programme for completing the RHS is set out in Table 6.1.12. These timings comply with Environment Agency (2003) survey guidelines. In lowland rivers abundant growth by emergent and bankside vegetation in summer can obscure some channel features. Sites where

¹⁸ Davy-Bowker, J., Davies C.E., Dean H.J. & Murphy, J.F., Rapid 3.0: User Manual, Centre for Ecology & Hydrology, Wallingford, UK, 2017



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growth of vegetation is more relevant were surveyed first, therefore leaving sites where vegetation was sparse to July. The majority of surveys were undertaken in May and June, where access allowed, as both these months are considered the most suitable months for survey (Environment Agency, 2003).

- 8.4.2 RHS were not be carried out during flood (spate) flows as this poses a safety risk and high-water levels and turbidity also obscure many features in the river.

Table 6.1.12 Programme of River Habitat Survey work

Task	Timing
Field surveys	May to July 2017
Field surveys (remaining areas that were not possible to survey in 2017)	May to June 2018
Field surveys (remaining areas that were not possible to survey in 2017 or 2018)	May to June 2019



9. MACROPHYTE SURVEY METHODOLOGY AND PROGRAMME

9.1 Background

9.1.1 The following text outlines the proposed methodologies and programme for undertaking the macrophyte survey which will commence in 2018. Note that the results from the RHS and RCS will complement the findings and survey methodology of the macrophyte survey.

9.2 Survey guidance

9.2.1 Best practice guidance for the undertaking of macrophyte surveys is provided in BS EN 14184: 2014 (European Committee for Standardization, 2014)¹⁹.

9.2.2 The data will be collected to comply with the Water Framework Directive (WFD) and the associated guidance documents WFD-UKTAG (2014)²⁰.

9.2.3 Guidance provided in these documents was taken into account when designing the survey methodology and programme of survey work.

9.3 Field surveys and assessment

Field survey scoping

9.3.1 Prior to survey work commencing, a scoping visit was undertaken by the aquatic ecology lead with the aim of informing the survey protocols, discovering relevant features not identified from Ordnance Survey (OS) maps, and to familiarise themselves with the study area.

9.3.2 The outcomes of the scoping visit, the results of the River Habitat and River Corridor Surveys and the analysis of aerial imagery were used to identify and define appropriate survey locations, including health and safety and access considerations.

Field survey methods

9.3.3 The aim of the macrophyte survey in 2018 will be to take a qualitative, semi-quantitative record of macrophytes representative of each survey site in accordance with the requirements of the WFD.

¹⁹ European Committee for Standardization, BS EN 14184: 2014 *Water quality. Guidance for the surveying of aquatic macrophytes in running waters*, 2014

²⁰ WFD-UKTAG, *River Assessment Method. Macrophytes and Phytobenthos. Macrophytes (River LEAFACS2)*, 2014



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- 9.3.4 Multiple reaches, each 100m in length, will be sampled in each relevant watercourse. The number of reaches will be dependent on the length of the watercourse and heterogeneity of the habitat and will be decided during the initial scoping survey (three stretches is generally adequate as best practice). The location of the reaches selected will be representative of and proportionate to the waterbody as a whole.
- 9.3.5 Each reach will be surveyed by walking along the bank and wading into the channel where it is safe to do so. A grapnel will be used to sample vegetation where possible. In some reaches a boat may be used to undertake the surveys where it is not safe to do so from the banks.
- 9.3.6 The survey will record the presence of macrophytes. Additionally, the percentage of the river channel (up to the height of the bank that would typically be submerged for >50% of the year) covered by any of the macrophyte taxa listed in WFD-UKTAG (2014) will be recorded for the extent of the reach being surveyed.
- 9.3.7 Invasive non-native species (INNS) will be recorded, as standard best practice. Where a significant proportion of the macrophyte community within the 100m reach is dominated by INNS, best judgement will be exercised to either relocate the 100m sample reach or return later within the sampling season. Where the presence of INNS dominates in this manner, the reach will still be mapped and recorded.
- 9.3.8 The species recorded will be assigned the appropriate taxon cover value in Table 6.1.13, following a visual estimate of its percentage cover in the surveyed river channel.

Table 6.1.13 Cover values for macrophyte taxa (WFD-UKTAG, 2014)

Taxon cover value	Percentage cover range
1	< 0.1
2	0.1 < 1
3	1 < 2.5
4	2.5 < 5
5	5 < 10
6	10 < 25
7	25 < 50
8	50 < 75
9	≥ 75

- 9.3.9 The physical characteristics of each reach will also be recorded. At least one general and one cross-section photograph will be taken at each reach. Where species are difficult to identify in the field, samples will be taken for subsequent



identification and/ or for verification by another member of staff. Where appropriate, photographs will be taken showing the plant species in situ.

Data processing

- 9.3.10 In order to classify the watercourses in line with the requirements of the WFD, macrophyte data recorded for each reach will be used to generate the following biological indices:
1. River macrophyte nutrient index (RMNI) - derived from the RMNI scores of the taxa recorded in the field survey
 2. Number of macrophyte taxa (NTAXA) - the number of scoring taxa recorded in the field survey (in this case only taxa which are considered truly aquatic, i.e. hydrophytes are included)
 3. Number of functional groups (NFG) – the number of individual taxa (hydrophytes) recorded during the field survey that are allocated to one of 24 functional groups
 4. Cover of green filamentous algae (ALG) - the percentage cover of green filamentous algae over the whole of the surveyed reach.
- 9.3.11 The River LEAFPACS2 tool will be used to contextualise these indices, resulting in a prediction of specific reference values for the survey locations, and providing a WFD compliant classification of the watercourses surveyed.
- 9.3.12 In order for the LEAFPACS2²¹ (version 2.0) classification to be applied, the following data and measurements will inform the prediction of reference conditions for each survey location. This data is referred to as predictor variables and is derived from a combination of calculations from OS mapping and from measurements recorded on site, and are as follows:
1. Alkalinity: The mean measured alkalinity (as mg/l CaCO₃) from at least 12 evenly spaced samples over a whole year or years (Environment Agency data monitoring will be used to assess this element)
 2. Altitude of source: Altitude of highest point, in metres above mean sea level, of the furthest upstream point of any tributary of the river shown on a 1: 50,000 scale map
 3. Distance from source: The distance, in kilometres, from the upstream end of the sampled reach to the source (located as for altitude of source), measured along the line of the channel

²¹ WFD-UKTAG, *River Assessment Method. Macrophytes and Phytobenthos. Macrophytes (River LEAFPACS2)*, 2014



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4. Slope: Measured in metres per kilometre, as calculated from the change in altitude between the upstream and downstream ends of the 100m sampled reach.

9.3.13 Ecological Quality Ratios (EQRs) will then be derived for each of the macrophyte metrics above (RMNI, NTAXA, NFG, ALG), based on observed data and predicted reference values. The values will then be normalised, so they fit the same scale, and an overall EQR will be provided, which represents an ecological status class as defined by the WFD (High, Good, Moderate, Poor or Bad). The impact of the presence of INNS on the results will be taken into account when analysing results.

9.4 Programme of surveys

9.4.1 In order to be classified in accordance with the WFD, macrophyte surveys will be undertaken between June and September inclusive (WFD-UKTAG, 2014).

9.4.2 Surveys will not be carried out during or immediately after periods of high flow, as this will have an effect on the survey outcome and may not be safe for surveyors. Note that where cold weather or spring floods may have delayed the growth of macrophytes, sampling will commence at the beginning of July.

9.4.3 The proposed programme for completing macrophyte survey work is set out in Table 6.1.14. This timing complies with best practice survey guidelines.

Table 6.1.14 Programme of macrophyte survey work

Task	Timing
Field Survey	June to September 2018
Field Survey	June to September 2019 (only if required)



10. MACROINVERTEBRATE SURVEY METHODOLOGY AND PROGRAMME

10.1 Background

- 10.1.1 The aquatic macroinvertebrate survey has been designed to identify the distribution and type of invertebrates present in selected habitats within the study area (Figure 6.1.1). In addition to the Ecological Impact Assessment (EclA)²² and associated green infrastructure, this data will inform the WFD Assessment.
- 10.1.2 The following text outlines the methodologies and programme for undertaking the aquatic macroinvertebrate survey.

10.2 Survey guidance

- 10.2.1 Best practice guidance for the undertaking of aquatic macroinvertebrate surveys and assessment is provided in BS EN ISO 10870:2012 (European Committee of Standardization, 2014)²³. The data was collected to comply with the WFD and associated guidance documents (WFD-UKTAG, 2014)²⁴.
- 10.2.2 In 2018 samples and associated data will be collected according to standard River Invertebrate Prediction and Classification System (RIVPACS) procedures (EU-STAR, 2004)²⁵ and macroinvertebrate samples analysed to RIVPACS taxonomic-level TL2 (Davy-Bowker *et al.*, 2010)²⁶.
- 10.2.3 Guidance provided in these documents has been taken into account when designing the survey methodology and programme of survey work.

10.3 Field surveys

Field survey scoping

- 10.3.1 Prior to survey work commencing, a scoping visit was undertaken by the aquatic ecology lead with the aim of informing the survey protocols, discovering relevant

²² EclA is required as part of an EIA and is a process of identifying, quantifying and evaluating the potential effects of development-related or other proposed actions on habitats, species and ecosystems.

²³ European Committee of Standardization (2014). BS EN ISO 10870:2012. *Guidelines for the selection of sampling methods and devices for benthic macroinvertebrates in fresh waters*.

²⁴ Water Framework Directive – United Kingdom Technical Advisory Group (WFD-UKTAG, 2014). *River Assessment Method. Benthic Invertebrate Fauna. Invertebrates (General Degradation): Whalley, Hawkes, Paisley & Trigg (WHPT) metric in River Invertebrate Classification Tool (RICT)*.

²⁵ EU-STAR, *UK Invertebrate sampling and analysis procedure for STAR project, RIVPACS Macro-invertebrate sampling protocol, EU- STAR website, 2004*

²⁶ Davy-Bowker, J., Arnott, S., Close, R., Dobson, M., Dunbar, M., Jofre, G., Morton, D., Murphy, J., Wareham, W., Smith, S. & Gordon V., *Further Development of River Classification Tool*. Final Report, SNIFFER project WFD100, 2010



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features not identified from Ordnance Survey (OS) maps, and to familiarise themselves with the study area. This was carried out concurrently with the RHS.

- 10.3.2 The outcomes of the scoping visit, the results of the Phase 1 Habitat Survey and the analysis of aerial imagery were used to identify and define appropriate survey locations, including health and safety, and access considerations.

Field survey methods

- 10.3.3 In 2018, the aim of the macroinvertebrate survey will be to record the macroinvertebrates that are representative of each survey location, in accordance with the requirements of the WFD.
- 10.3.4 Benthic (sediment-dwelling) macroinvertebrates will be sampled from shallow flowing waters using a standard kick sampling method, where the sediment is disturbed forcefully with the toe or heel and the released material caught in a square hand net of nominal 1mm mesh size held vertically on the river bed downstream. The macroinvertebrates in the sediment are caught in the net and sampled for laboratory processing.
- 10.3.5 Where it is not possible to use the kick sampling method, the following techniques will be used:
1. Where the substrate is too soft, or vegetation present too dense to allow for a kick sample, a timed sweep sampling method will be used, where the bottom edge of the net is skimmed through the top layer of sediment or laterally through the dense vegetation
 2. Where the sample is being taken in very shallow flowing water, this will be done by hand, holding the lower edge of the hand net against the river bed while turning over the stones immediately upstream. Any attached or clinging species will be removed by hand and added to the sample
 3. Where the sample is being taken in still or slow-flowing waters, stones will be removed carefully and agitated vigorously in the net, after which the remaining animals will be picked off by hand and added to the sample.
- 10.3.6 One sample will be collected at each sampling site. The survey technique employed will be undertaken over a 3-minute period, which will be preceded by a sweep of surface water for surface-dwelling macroinvertebrates (30 seconds). All habitats in the sampling location will be sampled proportionately, i.e. within the three minutes, the most time will be spent sampling the habitat of largest proportion. The 3-minute survey will be followed by a 30 second manual search in all cases, where any invertebrates found attached to submerged plant stems, stones, logs or other solid surfaces will be removed and added to the sample.



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- 10.3.7 In addition to the macroinvertebrate data collected, and in order for the River Invertebrate Classification Tool (RICT) to be applied, the following data and measurements will be recorded and used to inform the prediction of reference conditions for each site (Table 6.1.15). These data are referred to as environmental variables (EVs) and are derived from a combination of calculations from OS mapping and from measurements taken on site as follows:

Table 6.1.15 Environmental Variables to be recorded at each sample site

National Grid Reference	Stream Depth
National Grid Reference	Stream depth*
Altitude	Alkalinity
Slope	% cover of boulders & cobbles*
Discharge category	% cover of pebbles & gravel*
Distance from source	% cover of sand*
Stream width*	% cover of silt & clay*

*denotes variables that will be measured during the field survey

Laboratory processing

- 10.3.8 The sample will be washed to remove any surplus sediment and removed from the net; it will then be transferred to a sealable sample bag. Any animals left clinging to the net will be removed by hand. The samples will be stored in a cool box, kept between 1-3°C for laboratory processing.
- 10.3.9 The samples will be preserved in Industrial Methylated Spirit as soon as possible after the survey, and no later than 24 hours after sampling. The samples will then be identified to species level where possible, or to the appropriate level of confidence and the term 'taxa' used as an overall term rather than 'species' or 'family' if species-level identification is not possible. Identification to species level might not be possible where key anatomical features, such as legs, tails or mouth parts, are missing.

Data processing

- 10.3.10 In order to classify the watercourses in line with the requirements of the WFD, the taxon list recorded for each site will be used to generate biological indices, namely the Whalley, Hawkes, Paisley & Trigg (WHPT) metrics²⁷, in order to assess

²⁷ Paisley, M.F., D.J. Trigg & W.J. Walley (2007) Revision and Testing of BMWP scores. Final report SNIFFER Project WFD72a. Edinburgh, SNIFFER.



general degradation (including organic pollution) of the rivers being assessed. The WHPT classification comprises two metrics:

1. WHPT ASPT (Average Score per Taxon)
2. WHPT NTAXA (Number of taxa contributing to the assessment).

10.3.11 The River Invertebrate Classification Tool (RICT) will then be used to contextualise the WHPT scores, by using the River Invertebrate Prediction and Classification System (RIVPACS) model. Ecological Quality Ratios (EQRs) will be derived for each of the metrics (ASPT and NTAXA), based on observed data and predicted reference values, which provide a WFD compliant classification of the watercourses surveyed. Presence of species of conservation interest will also be noted. Other indices derived from the field data will include:

1. The Proportion of Sediment-sensitive Invertebrates (PSI) index is used to determine the degree to which a site is impacted by sediment
2. The Lotic-Invertebrate Index Flow Evaluation (LIFE) index indicates what pressures there are in relation to flow.

10.4 Programme of surveys

10.4.1 In order to be classified in accordance with the WFD, macroinvertebrate samples and associated environmental variables will be collected twice per year at each survey location; once in spring (March-May inclusive) and once in autumn (September-November inclusive).

10.4.2 Sampling during and immediately after spate floods will be avoided as samples collected at these times are not comparable with samples collected during periods of normal flow and it is possible that they do not reflect the underlying environmental quality of the site accurately.

The proposed programme for completing macroinvertebrate survey work is set out in

Walley, W.J. & H.A. Hawkes (1996) A computer-based reappraisal of the Biological Monitoring Working Party scores using data from the 1990 river quality survey of England and Wales. *Water Research* 30 (9): 2086-2094.

Walley, W.J. & H.A. Hawkes (1997) A computer-based reappraisal of the Biological Monitoring Working Party score system incorporating abundance rating, site type and indicator value. *Water Research* 31 (2): 201-210.



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10.4.3 Table 6.1.16 This timing complies with best practice survey guidelines.



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Table 6.1.16 Proposed programme of macroinvertebrate survey work

Timing	Task
Spring sampling	March to May incl. 2018
Autumn sampling surveys	September-November incl. 2018
Spring sampling	March to May incl. 2019 (only if required)
Autumn sampling surveys	September-November incl. 2019 (only if required)



11. FISH SURVEY METHODOLOGY AND PROGRAMME

11.1 Background

- 11.1.1 The fish survey has been designed to identify the distribution and type of fish present within selected watercourses within the study area (Figure 6.1.1).
- 11.1.2 The following text outlines the proposed methodologies and programme for undertaking the fish surveys which are to commence in 2018.

11.2 Survey guidance

- 11.2.1 Key guidance on the requirements for the undertaking of fish surveys is provided in the Water Framework Directive UK Technical Advisory Group's (WFD-UKTAG) method statement for the assessment of the condition of the quality element "fish fauna" (WFD-UKTAG, 2008)²⁸. In this document, it is noted that where electrofishing methods are used, survey methodologies should conform with BS EN 14011:2003 Water Quality – Guidance standard on sampling fish with electricity (BSI, 2003)²⁹.
- 11.2.2 The guidance and standards noted above have been taken into account when designing the methodology and programme of survey work.

11.3 Field surveys

Field survey scoping

- 11.3.1 A scoping visit was undertaken by the aquatic ecology lead with the aim of informing the survey protocols, discovering relevant features not identified from Ordnance Survey (OS) maps, and to familiarise themselves with the study area. This will be carried out concurrently with the RHS.

Field survey methods

Introduction

- 11.3.2 Electrofishing is a widely used technique based on the application of an electric field into the water in order to stun fish which then float to the surface where they can be easily collected, measured and weighed. This technique allows for quantitative methods such as depletion sampling to be used and therefore

²⁸ WFD-UKTAG UKTAG Rivers Assessment Methods Fish Fauna (Fisheries Classification Scheme 2 (FCS2)), 2008

²⁹ BSI, BS EN 14011:2003 Water Quality – Guidance standard on sampling fish with electricity. British Standards Institution, 2003



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provides a reasonably accurate estimate of a given population. Using this method, fish are removed from a reach in a series of successive electrofishing runs with the estimate of total population being based on the rate at which the catches on successive runs drop off and the total number of fish caught (Hammon *et al.*, 2011)³⁰.

- 11.3.3 The results of various electrofishing surveys carried out by the Environment Agency in watercourses surrounding the airport³¹ between 2000 and 2014, as reported in AMEC 2014³², suggest the fish communities in this area are diverse and dominated by Cyprinids (including roach *Rutilus rutilus*, gudgeon *Gobio gobio*, dace *Leuciscus leuciscus*, minnow *Phoxinus phoxinus*, perch *Perca fluviatilis*, chub *Leuciscus cephalus*, three-spined stickleback *Gasterosteus aculeatus*, pike *Esox lucius* and European eel *Anguilla anguilla*). During these surveys, two Section 41³³ species of principal importance were found; European eel (*Anguilla anguilla*) and brown/ sea trout *Salmo trutta*. It should be noted, however, that the latter was recorded in very small numbers (only two individuals of brown/ sea trout were found in the River Colne out of a total of 12,799 fish sampled). Whilst the proposed survey methodology is aimed at characterising the fish community rather than designed to target individual species, given the potential for the aforementioned species of conservation importance to be found in the study area (particularly European eel), due consideration has been given to the life cycles of these species when defining the timing of the surveys.

Proposed methodology

- 11.3.4 A standard electrofishing technique and on-site processing equipment will be used for the surveys. Electric fishing will be undertaken to the British Standard (BS) EN 14011:2003 (water quality – sampling of fish with electricity) (BSI, 2003) and in compliance with fish monitoring requirements under the WFD.
- 11.3.5 A fully quantitative survey (three run catch-depletion method) is carried out at all survey sites. Each survey site will be 100m in length and stop-netted at upstream and downstream limits to stop the movement of fish into and out of the study area. Prior to the start of fishing, water quality readings using a hand-held meter will be taken for conductivity ($\mu\text{S}/\text{cm}$) and temperature ($^{\circ}\text{C}$), and appropriate fish holding equipment will be set up.

³⁰ Hammond, D., Mant, J., Holloway, J., Elbourne, N. and Jones, M., Practical River Restoration Appraisal Guidance for Monitoring Options (PRAGMO). The River Restoration Centre (RRC), 2011

³¹ Note that sampling locations during these surveys included three of the watercourses that intersect with the Development Footprint: namely the River Colne, Colne Brook and Duke of Northumberland's River.

³² AMEC Environment & Infrastructure Ltd., Heathrow's North-West Runway– Water Quality and Hydro-ecology Assessment, 2014

³³ Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 (England).



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- 11.3.6 Surveys will be conducted by a team of at least three people, who will work carefully from bank to bank, in an upstream/across direction, through each sample area (covering a variety of habitats).
- 11.3.7 All stunned fish will be collected using pole nets (5mm mesh size) and will be retained in separate oxygenated holding facilities per run before processing.
- 11.3.8 Each survey stretch will be fished through three times allowing abundance, species assemblage, density estimates and catch efficiency to be determined. Where no fish are recorded on the first or second run then further run(s) will be deemed unnecessary and not undertaken.
- 11.3.9 Standard electrofishing techniques are deemed suitable to quantitatively sample small, bottom dwelling fish species, including bullhead *Cottus gobio* and loach *Barbatula barbatula*, as is the common methodology for both Environment Agency and the Water Framework Directive. Quadrat-based lamprey sampling techniques consistent with the standard methodologies outlined in Harvey & Cowx (2003)³⁴ will be used in targeted habitat. River depths are mainly <1m and are compatible with the above methodology.
- 11.3.10 Appropriate permissions together with an FR2 licence from the Environment Agency will be obtained prior to the commencement of any survey work.
- 11.3.11 The results of the electrofishing are to be complemented by eDNA metabarcoding techniques (whole fish communities) which commenced in 2017 and will continue in 2018. This technique can be used to estimate fish community diversity at sampling locations by sequencing all the DNA in samples. At the same sampling location of the fish surveys, a sample was/will be taken, filtered on site and sent to the laboratory for analysis.
- 11.3.12 Caution will be taken with the analysis because this methodology will capture DNA from upstream reaches, not just that which is specific to the sampling location. However, the information collected will be valuable in identifying the potential presence of fish species in the different river reaches. This information will be analysed in light of the habitats present in the study area. In addition, the information collected will be valuable for understanding potential use of the river by migratory fish species (for example eels) as well as informing mitigation and compensation measures.
- 11.3.13 Samples will be collected twice a year to allow for seasonal variation and to capture spawning times.

³⁴ Harvey J. & Cowx I., Monitoring the River, Brook and Sea Lamprey, *Lampetra fluviatilis*, *L. planeri* and *Petromyzon marinus*. Conserving Natura 2000 Rivers Monitoring Series No. 5, English Nature, Peterborough, 2003



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11.4 Programme of surveys

- 11.4.1 The programme for completing fish survey work is set out in Table 6.1.17. This timing takes account of survey guidelines for European eel, for which it is recommended that electrofishing surveys are carried out from the beginning of June to the end of October (Environment Agency, 2011)³⁵.

Table 6.1.17 Programme of fish survey work

Timing	Task
Request for survey permission and FR2 Licence	April 2017/April 2018
eDNA metabarcoding sampling	June/July 2017
eDNA metabarcoding sampling	October 2017
Undertaking of electrofishing surveys and eDNA sampling (eDNA surveys that were not possible in 2017)	June to October 2018
Undertaking of electrofishing surveys and eDNA sampling (eDNA surveys that were not possible in 2017 or 2018)	June to October 2019 (only if required)

³⁵ Environment Agency, Monitoring elver and eel populations. The Eel Manual-GEHO0211BTMY-E-E. Environment Agency, Bristol, UK, 2011



12. OTTER SURVEY METHODOLOGY AND PROGRAMME

12.1 Introduction

12.1.1 The otter survey was designed to identify the distribution of the otter within the study area (Figure 6.1.1). The following text outlines the proposed methodologies and programme for undertaking this survey. Further information on where the general methodologies have been amended to reflect local conditions are provided where relevant.

12.2 Survey guidance

12.2.1 The Life in UK Rivers publication, Monitoring the Otter (Chanin, 2003)³⁶, Highways Agency 81/99 Nature Conservation Advice in Relation to Otters (Highways Agency, 1999)³⁷ and the Joint Nature Conservation Committee's (JNCC) publication for the Common Standards Monitoring Guidance for Mammals (JNCC, 2004)³⁸ provides guidance for otter surveys in the UK. These guidelines have been taken into account when designing the survey methodology and programme of survey work. Additionally, the methodology has been developed in line with advice provided by Natural England and the Department for Environment, Food & Rural Affairs (Defra) on assessing the impacts of development on otters (Natural England and Defra, 2014)³⁹, Scottish Natural Heritage (SNH) guidance on otters and development⁴⁰ and SNH guidance relating to protected species advice for developers⁴¹ and Basset and Wynn (2010)⁴².

³⁶ Chanin, P., Monitoring the Otter *Lutra lutra*. Conserving Natura 2000 Rivers Monitoring Series No. 10, English Nature, Peterborough, 2003

³⁷ Highways Agency, Design Manual for Roads and Bridges – Volume 10 – Section 4 Part 4 – Nature Conservation Advice in Relation to Otters. Highways Agency, London, 1999

³⁸ JNCC, Common Standards Monitoring Guidance for Mammals-August Version, August 2004

³⁹ Natural England and Defra, Otters: surveys and mitigation for development projects

<https://www.gov.uk/guidance/otters-protection-surveys-and-licences> (accessed 03 May 2018)

⁴⁰ Scottish Natural Heritage, Scotland's Wildlife: Otters and Development- Scottish Wildlife Series <http://www.snh.org.uk/pdfs/publications/wildlife/ottersanddevelopment%20leaflet.pdf> (accessed 04 May 2018)

⁴¹ Scottish Natural Heritage, Protected Species Advice for Developers-Otter

<https://www.nature.scot/sites/default/files/2017-07/A1959316%20-%20Species%20Planning%20Advice%20Project%20-%20Otter%20-%20FINAL.pdf> (accessed 04 May 2018)

⁴² Basset, S. and Wynn, J., Otters in Scotland- How Vulnerable are they to disturbance. In Practice, No 70, December 2010



12.3 Field surveys

Field survey scoping

- 12.3.1 The study area was reviewed to identify and map all areas of habitat potentially suitable to support otter, including watercourses, water bodies and any other suitable riparian habitat. This initial assessment drew upon a review of desk study data, aerial photography and existing Phase 1 habitat survey data.
- 12.3.2 Based upon results of the initial screening, the lead otter specialist or an individual nominated by the species lead undertook a field scoping survey of key areas identified. This included a rapid initial habitat assessment, completed in three days, used to inform survey protocols, identify features not identified from Ordnance Survey (OS) maps (e.g. other water bodies) and to familiarise with the area (including understanding of fragmentation and habitat connectivity). The following criteria were assessed during field survey scoping:
1. Presence of significant barriers to dispersal and movement through territory
 2. Habitats present and their suitability for use by otter (including terrestrial habitats)
 3. Adjoining land use
 4. Level of disturbance
 5. Features of watercourse/water body (estimated depth, level of flow, width of channel)
 6. Connectivity with other areas of suitable or sub-optimal habitat
 7. Pollution (a visual assessment of pollution was made only). This information will be combined with water quality data that will be gathered as part of the DCO Project.
- 12.3.3 Where the desk study, Phase 1 Habitat Survey data, or field scoping survey identified habitat capable of supporting otters, a detailed field survey was proposed.

Field survey methods

- 12.3.4 A detailed otter survey was undertaken, following best practice guidance (Section 12.2), of all watercourses within the study area (where access allowed). The study area included a 200m buffer upstream and downstream as per SNH guidance.
- 12.3.5 Within 5km of the study area, spot checks for signs of otter activity were undertaken at key locations, for example at bridges and culverts. These features were identified from aerial imagery in areas of potential habitat. Spot checks were employed as the National Otter Monitoring Scheme found that this technique was



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effective at identifying otter presence⁴³. Spot checks enable a wide area to be surveyed; considered important as otters are not restricted to main rivers and are a highly mobile species typically covering a large territory (Highways Agency, 1999). Otters are also known to prefer to spraint under features such as bridges and culverts, meaning that a spot check approach is highly likely to identify activity, if present. The spot checks targeted areas of high habitat suitability.

- 12.3.6 All field signs found were mapped with a GPS (accurate to <5m) and given a standardised survey and location reference code. A photographic record was made of all survey locations and any field signs found at each survey visit, unless prohibited by the landowner.
- 12.3.7 Where marginal habitats could not be safely surveyed from the bank or the water was considered too deep for a thorough survey of the area, alternative methods, such as carrying out surveys from a boat or the use of camera traps will be considered for the 2018 survey period.
- 12.3.8 In 2018, camera traps will be used in less disturbed locations in order to provide additional information regarding distribution of the species and confirm the presence or likely absence of active holts.
- 12.3.9 All evidence of otter and other notable species such as water vole and mink were recorded during surveys. As a minimum, this included the number and location of the following field signs:
1. Natal holts, holts and potential holt sites (using the criteria outlined below)
 2. Couches
 3. Spraints
 4. Anal jelly
 5. Tracks/footprints
 6. Silt/sand heaps and slides.
- 12.3.10 When recording otter signs, an assessment of levels of activity was used to categorise the status of any resting site located as per the methodology discussed by Basset and Wynn (2010). Resting sites were defined as having low, medium or high levels of activity as follows:
1. **Low**- feature with limited evidence of otter activity, low numbers of spraints, and spraints of a similar age, insufficient seclusion for a breeding site or key resting site. Most likely to provide a temporary resting site

⁴³ Environment Agency, Fifth otter survey of England, technical report, 2010



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2. **Medium-** feature containing spraints with a range of age classes, but not in significant quantities. Unlikely to be a breeding/natal site, but will be a key resting site and may be linked to other important areas of territory
3. **High-** feature has a high level of activity, with spraints of all different age classes. Large well used spraint mounds, grooming hollows, paths and slides. High degree of cover with availability of resources for example high numbers of fish and aquatic habitats. Site is available to the animals throughout the year.

12.3.11 Spraints were categorised as described by Devon Biodiversity Records Centre (2017)⁴⁴ as follows:

1. Fresh spraint- usually black, tarry and sticky. It will have a distinct sweet musky smell
2. Recent spraint- will be starting to dry out, it may be turning grey and crumble when touched. It may still smell slightly of otter
3. Old spraint- completely dried becoming very pale and crumbly. It may have crumbled completely, leaving a grey ashy deposit, with some fish bones still present.

12.3.12 When searching for potential holt sites, suitably experienced surveyors were used who are aware that many different sites are utilised for shelter by otter, with holts rarely constructed by the otter itself. Any suitable structure within the study area was considered, such as a hole in the river bank, hollow trees, the crowns of pollarded willows, cavities in rock piles or tree roots, or manmade features (e.g. drain-pipes and cavities under structures). Additionally, otters often seek shelter above ground, using couches formed from vegetation which are in areas of scrub, reed beds or long grass. Large stands of riparian gorse and other scrub or tussock sedge and extensive reedbeds were assessed (Highways Agency, 1999). Potential holts were considered active if distinctive field signs, piles of spraint or footprints were found in the vicinity (Essex Wildlife Trust, 2014)⁴⁵. Camera traps will be used in 2018, where appropriate, to further inform this assessment.

12.3.13 The terrestrial habitat within 100m of a watercourse or water body confirmed as being utilised by otter was assessed to check for the presence of any features that may be utilised as couches, resting places or holts. This included a review of aerial imagery and a walkover survey, if required. Potential otter breeding sites were identified as areas of concealing habitat such as scrub, reed beds or long grass.

⁴⁴ Devon Biodiversity Records Centre, Otter surveying <http://www.dbr.org.uk/otter-and-mink-signs/> (accessed 03 May 2018)

⁴⁵ Essex Wildlife Trust 2014, Riversearch: Otter survey information sheet, http://www.essexwt.org.uk/sites/default/files/riversearch_otter.pdf (accessed 03 May 2018)



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Large stands of riparian gorse and other scrub or tussock sedge and extensive reedbeds were included³.

- 12.3.14 Areas identified as potential breeding sites were surveyed for signs of breeding activity (e.g. well used paths, play areas, or large accumulations of spraint). During the survey the location of any features were recorded, along with details of the associated habitat. Any linear features considered important for the movement of otters between adjacent watercourses were also identified and mapped.

12.4 Programme of surveys

- 12.4.1 The programme for completion of otter survey work is set out in Table 6.1.18. Whilst otter surveys may be conducted throughout the year, guidance suggests that the most appropriate period is between May–September as water levels are less variable (Chanin, 2003). Additionally, this coincides with the peak survey period for water voles (mid-April to late-September), thereby allowing surveys for both species to be conducted together.
- 12.4.2 Following guidance, a minimum of four survey visits will be conducted over a period of one year at approximately three-monthly intervals (where access allowed), to allow for seasonal variation of otter activity. Of these surveys, a minimum of two will be completed within the peak survey period described above.
- 12.4.3 Surveys were not, and will not be, conducted during or following periods of heavy rainfall, as field signs, if present, may be washed away.

Table 6.1.18 Programme of otter survey work

Task	Timing
Field survey scoping – timings dependant on land access availability	April/May 2017
Full surveys/spot checks of suitable habitat	May 2017 – May 2018
Full surveys/spot checks of suitable habitat: completion of one-year survey period for sites with delayed access	May 2018 – December 2018
Full surveys/spot checks of suitable habitat: completion of one-year survey period for sites with delayed access	May 2019 – December 2019 (only if required)



13. WATER VOLE SURVEY METHODOLOGY AND PROGRAMME

13.1 Background

- 13.1.1 The water vole survey is designed to identify the distribution of water vole present in selected habitats within the study area (Figure 6.1.1). The following text outlines the methodologies and programme for undertaking the water vole survey.

13.2 Survey guidance

- 13.2.1 The Water Vole Conservation Handbook (Strachan *et al.*, 2011)⁴⁶ is the main source of guidance for water vole survey methodology in the UK. The Water Vole Mitigation Handbook (Dean *et al.*, 2016)⁴⁷ provides a supplementary industry standard for those undertaking surveys, assessing impacts and designing mitigation for water voles in the context of development or construction activities. This guidance has been considered when designing the survey methodology and programme of survey work.

13.3 Field surveys

Field survey scoping

- 13.3.1 The study area was reviewed to identify and map all areas of habitat potentially suitable to support water voles. This initial assessment drew upon a review of desk study data, aerial photography and Phase 1 Habitat Survey data, as well as existing survey information.
- 13.3.2 In line with best practice³³ the desk study included an area of up to 2km around the study area. Field survey scoping assessments for water vole assessed all watercourses, ditches, ponds and lakes, and any other suitable riparian habitat identified within the study area, which was extended to include a 500m buffer upstream and downstream of areas where direct or indirect effects may be realised.
- 13.3.3 Based upon the results of the scoping exercise and where access was permitted, the ecologist undertook a field scoping survey of the suitable habitats identified. This rapid initial habitat assessment was completed to inform the survey protocols, discover features not identified from Ordnance Survey (OS) maps (e.g. other water

⁴⁶ Strachan, R., Moorhouse, T., Gelling, M., Water Vole Conservation Handbook 3rd Edition. Wildlife Conservation Research Unit, Oxford, 2011

⁴⁷ Dean, M., Strachan R., Gow, D., Andrews, R., The Water Vole Mitigation Handbook (The Mammal Society Mitigation Guidance Series). Eds Fiona Matthews and Paul Chanin. The Mammal Society, London, 2016



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bodies) and to become familiarised with the study area (including understanding fragmentation and connectivity of suitable habitats).

13.3.4 In line with survey guidelines, the habitat suitability of the watercourse or water body was assessed in relation to the following features:

1. Dry areas above water level suitable for nesting
2. Presence of herbaceous vegetation to provide food and cover
3. Water, as a means of escape from predators.

13.3.5 Where the desk study, Phase 1 Habitat Survey data or field scoping surveys identified habitat capable of supporting water voles, a detailed survey was conducted.

Field survey methods

13.3.6 Detailed water vole surveys were undertaken following the survey guidelines within the Water Vole Conservation Handbook (Strachan *et al.*, 2011). During the survey, a habitat assessment was carried out and considered the following factors:

1. Bank profile, channel profile and characteristics and water levels
2. Habitat types present (indication of abundance using DAFOR scale)
3. Predominant bank substrate
4. Availability of food sources
5. Vegetation structure (particularly the extent of suitable marginal vegetation)
6. Level of shading
7. Watercourse depth and width
8. Rate of flow
9. Disturbance levels
10. Bordering land use
11. Connectivity with other areas of suitable or sub-optimal habitat.

13.3.7 Each watercourse surveyed was split into 50m - 100m survey lengths with the start and end of each stretch marked on a map and the GPS co-ordinates recorded. All field signs found were digitally mapped and given a standardised survey and location reference code. A photographic record was made of survey locations and any field signs found during each survey.

13.3.8 Where possible, the survey was undertaken from within the watercourse, to enable a close search for signs of water vole along the margins. Where margins could not



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be safely surveyed from the bank or the water was too deep, the potential for carrying out surveys from a boat is being considered for the 2018 survey period. Additionally, binoculars were used to assess banks from a suitable vantage point where access was constrained. Any survey constraints encountered were fully recorded by the field surveyors.

- 13.3.9 During each survey, the banks of each watercourse/ water body (up to a distance of 2m from the water's edge) were inspected for signs of use by water vole, with a note made of the number of each type of sign recorded so that abundance can be estimated (ranked abundant, frequent, scarce, or none). Field signs recorded included:
1. Presence of latrines
 2. Presence of burrows (both active and inactive)
 3. Presence of runs
 4. Presence of footprints
 5. Presence of feeding remains
 6. Individual droppings (collected for DNA analysis if field identification was uncertain)
 7. Sightings and/or sounds (characteristic sound entering the water) of individuals.
- 13.3.10 The above information was recorded alongside similar information indicating use by other species (e.g. bank vole, field vole, mink, otter, brown rat, etc.) within a standard survey form.
- 13.3.11 Field sign data will be used to calculate the population size of the voles in each length of watercourse. This will be based upon the recognised standard method for estimating the numbers of water voles described by Morris *et al.*, (1998)⁴⁸.

13.4 Programme of surveys

- 13.4.1 At least two survey visits to each water body/ watercourse were undertaken in the 2017 season, where access allowed. The first survey was undertaken early in the season (mid-April to June) and the second later in the season (July to September). By undertaking two survey visits, changes in habitat suitability over the course of the season could be recorded.

⁴⁸ Morris, P., Morris, M., MacPhearson, D., Jeffries, D., Strachan, R. & Woodroff. G., Estimating numbers of the water vole *Arvicola terrestris*: a correction to the published method. *Journal of Zoology* 246 61-62, 1998



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- 13.4.2 The programme for completing water vole survey work is set out in Table 6.1.19. These timings comply with survey guidelines, coinciding with the peak period of activity for this species during its breeding season, which is considered to be mid-April to late-September. Habitat assessments can be undertaken outside of this period, although consideration was given to how the habitat might change. Surveys in 2018 will focus on areas where:
1. No survey visits were conducted in 2017 due to access restrictions
 2. Only one or no survey visits were completed during the optimum period during 2017
 3. Water vole activity was recorded in 2017. This survey will ensure the baseline data takes account of changes in distribution of this species across the study area, to inform the assessment of population dynamics.
- 13.4.3 Surveys were not and will not be conducted during or following periods of heavy rainfall, as field signs are likely to have been washed away. In general, where possible survey visits were timed to avoid high water levels or when management works had recently taken place.

Table 6.1.19 Programme of water vole survey work

Task	Timing
Initial habitat surveys	April/May 2017
Full surveys: early season	mid-April – June 2017
Full surveys: late season	July – September 2017
Full surveys: sites to be completed	mid-April – October 2018
Full surveys: sites to be completed	mid-April – October 2019 (only if required)



14. BAT SURVEY METHODOLOGY AND PROGRAMME

14.1 Background

- 14.1.1 The bat surveys were designed to identify the distribution, type and level of activity of bats within the study area (Figure 6.1.1).

14.2 Survey guidance

- 14.2.1 The Bat Conservation Trust's (BCT) Good Practice Guidelines (third edition)⁴⁹ is the main source of guidance for bat surveys in the UK. The Bat Mitigation Guidelines⁵⁰, Bat Workers Manual⁵¹, Bat Tree Habitat Key⁵² and the British Standard 8596:2015: Surveying for bats in trees and woodland – Guide⁵³ provide further guidance on survey work. This guidance has been considered within the survey methodology and programme of survey work.

14.3 Field surveys

Field survey scoping

- 14.3.1 Aerial imagery (including photography taken from a drone in 2016) and existing survey information was used to determine areas of similar habitat (i.e. lines of trees, blocks of woodland, streets of similar housing types) within the study area. These habitat types were mapped to provide a base map for field survey scoping surveys.
- 14.3.2 The study area for field survey scoping was extended to include a 100m buffer of areas where direct or indirect effects may be realised. Any habitats with the suitability to support bats that were not recorded previously were noted and added to survey maps, and groupings of habitat types identified during the desk study amended as appropriate.

⁴⁹ Collins, J. (ed.), Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016

⁵⁰ Mitchell-Jones, A.J., Bat Mitigation Guidelines. Natural England, Peterborough, 2004

⁵¹ Mitchell-Jones, A.J. and McLeish, A.P., Bat Workers' Manual, 3rd edition. JNCC, Peterborough, 2004

⁵² Andrews, H. et al., Bat Tree Habitat Key. AECOL, Bridgwater, 2013

⁵³ British Standards Institution, BS 8596:2015 Surveying for bats in trees and Woodland Guide. British Standards Institution, London, 2016



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Roost assessment – built structures

External Inspections

- 14.3.3 All built structures within the study area, extended to include a 100m buffer of areas where direct or indirect effects may be realised, were visually inspected to assess their suitability to support roosting bats, where access allowed. All assessments were carried out in accordance with BCT guidelines⁵⁴ and by suitably experienced surveyors.
- 14.3.4 During external inspections the following factors were considered:
1. The presence of potential roosting sites, such as roof voids, gaps under bargeboards, tiles (especially hanging tiles), lead flashing, weatherboarding, soffit boxes with access gaps, and spaces between roof tiles and lining felt or boarding
 2. Proximity to potential bat foraging habitat and/or commuting routes
 3. Expected levels of artificial lighting around potential roost entrances.
- 14.3.5 Assessed buildings were categorised in accordance with their level of potential suitability in line with the suitability categories provided in the BCT guidelines as summarised in Table 6.1.20.

Table 6.1.20 Guidelines for assessing potential roosting suitability of built structures and trees (taken from Table 4.1 of BCT's Good Practice Guidelines)⁵⁵

Potential Roosting Suitability	Description of roosting habitat
Negligible	A structure or tree with one or more potential roost sites/features that could be used by bats opportunistically. However, these potential roost sites do not provide enough space, shelter, protection, appropriate conditions and/or suitable surrounding habitat to be used on a regular basis or by larger numbers of bats (i.e. unlikely to be suitable for maternity or hibernation).
Low	Trees of sufficient size and age to support potential roost sites/features but with none seen from the ground level
Moderate	A structure or tree with one of more potential roost sites/features that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but are unlikely to support a roost type of high conservation status.
High	A structure or tree with one of more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and

⁵⁴ Collins, J. (ed.), Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016

⁵⁵ Collins, J. (ed.), Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016



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Potential Roosting Suitability	Description of roosting habitat
	potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.

Internal inspections

- 14.3.6 Where access was permitted, internal inspections were carried out on all built structures with high and moderate potential roosting suitability. A sample of approximately 10% of all low potential buildings will be internally inspected; to avoid bias low potential buildings will be selected for internal survey using a random number generator following the allocation of all buildings with a reference number.
- 14.3.7 The interior of buildings and roof voids were examined where access can be safely achieved. A high-power focused-beam lamp was used to search for any roosting bats or evidence of bats such as droppings, urine staining, discarded insect remains, or scratching, staining and lack of cobwebbing across potential bat access points. Where narrow crevices restricted access, an endoscope, such as a 'Rigid SeeSnake' narrow-bore endoscope, was utilised.
- 14.3.8 All internal inspections were conducted by suitably licensed and experienced surveyors.
- 14.3.9 Should other types of survey (e.g. active transect surveys – see below in paragraph 14.3.41) result in a re-evaluation of buildings ascribed low potential during the external inspection, internal inspections were scheduled appropriately, access permitting.

DNA analysis

- 14.3.10 Samples of any fresh bat droppings found during building inspection work were collected for DNA analysis to enable species identification.

Static emergence/re-entry surveys

All confirmed roosts (i.e. where bats or bat droppings were found) and all buildings of high and moderate potential roosting suitability (where access is permitted) will be subject to emergence and re-entry surveys in 2018. The number of emergence/re-entry surveys required is directly related to the level of potential suitability as presented in

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14.3.11 Table 6.1.21.



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Table 6.1.21 Minimum number of emergence and re-entry survey visits required for buildings with moderate and high potential suitability.

Level of potential suitability to support bat roosts	Minimum number of emergence and re-entry surveys required
Moderate	One dusk emergence; and One dawn re-entry.
High/Confirmed roost	One dusk emergence; One dawn re-entry; and One additional survey visit (may be either dusk emergence or dawn re-entry).

- 14.3.12 Where more than one survey visit is required, the surveys will be undertaken at least one month apart. Dawn re-entry survey visits will focus on the period from mid-June to mid-August, when bats are more likely to be foraging at dawn due to warmer weather conditions. Dusk emergence survey visits will be undertaken between May and mid-September.
- 14.3.13 Built structures will be visited at dusk or pre-dawn to monitor bat emergence or re-entry from a static viewpoint. Sufficient numbers of surveyors will be used at each building to ensure that all potential roost sites/access points can be observed. Night vision cameras with infrared light sources will be utilised to assist with observations of late-emerging bat species and in particularly dark areas (e.g. under tree canopy).
- 14.3.14 Emergence survey visits will begin at least 15 minutes before sunset and end between 90 and 120 minutes after sunset, thus encompassing the typical emergence periods for UK bat species. Bat activity will be recorded using a combination of visual observation and full spectrum bat detectors/recorders which enable bat's ultrasonic calls to be heard and digitally recorded.
- 14.3.15 Re-entry survey visits will begin two hours before sunrise and end 15 minutes after sunrise. This period encompassed the likely dawn peak foraging period and subsequent re-entry into roosts. If any bats are still in flight 15 minutes after sunrise, surveyors will remain in position until all bats have returned to their roosts. Bat activity will be recorded using the same equipment and methods as for emergence surveys.
- 14.3.16 Emergence/re-entry surveys will be undertaken when temperatures are above 10°C, there is little/no rain, and no excessive wind because in these weather conditions bats are unlikely to be deterred from flying. Temperature, relative humidity, cloud cover, wind speed and precipitation levels will be recorded by surveyors during each survey. Surveyors will also note the presence of any other environmental conditions that may have affected bat activity, such as high noise level or artificial light levels.



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Re-entry transects

- 14.3.17 A series of dawn re-entry transects were designed to provide sample coverage of built structures within the study area that had low potential roosting suitability for bats. The need to survey buildings within this category reflected the possibility that crevice-dwelling bat species may, on occasion, use any small gap within a structure and that these gaps may not be visible during ground level inspection.
- 14.3.18 Surveyors walked short transects (a maximum of 10 minutes to complete a circuit) around built structures in order to record bat re-entry into roosts. This survey method was particularly useful for recording bats 'swarming' near roost entrances before entry into the roost. The presence of a swarm can help to pinpoint small roosts, which might otherwise be easily missed. If swarming/re-entry behaviour was observed during surveys, surveyors would follow the bats with the aim of identifying the roost. Where large blocks of buildings required surveys, transects were designed to cover each side of the block and surveyors were equipped with radios in order to communicate observations.
- 14.3.19 Survey visits began two hours before sunrise, and ended 15 minutes after sunrise, therefore encompassing the likely dawn peak foraging period and subsequent re-entry into roosts. If any bats were in flight 15 minutes after sunrise, surveyors remained in position until all bats had returned to their roosts. Bat activity was recorded and analysed using the same equipment as described for the emergence surveys.

Hibernation surveys

- 14.3.20 Structures identified with the suitability to support hibernating bats, during scoping or subsequent surveys, were recorded and the need for specific hibernation roost surveys noted.
- 14.3.21 Hibernation surveys involve the use of a powerful lamp to search the interior of the structure for hibernating bats, particularly within any crevices. A minimum of two survey visits are required between December and February and these timed to coincide with periods of prolonged cold weather to maximise chances of encountering bats.
- 14.3.22 Hibernation inspections will be carried out by suitably licensed and experienced surveyors in 2018.

Swarming surveys

- 14.3.23 Underground structures with suitability to support autumn swarming if identified in 2018 following the grant of further land access, will be subject to specific swarming surveys.



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- 14.3.24 Swarming surveys involve placing a passive detector, set to record bat calls continuously from 30 minutes before sunset to 30 minutes after sunrise, at the entrance to each underground structure. The detectors are deployed for a minimum of two periods of five consecutive nights, one month apart, between mid-August and mid-October. Analysis of the calls recorded focusses on identifying a peak in activity three to four hours after sunset.
- 14.3.25 Monitoring will take place, as far as possible, during periods of little or no rain, no excessive wind and sunset temperatures above 10°C. Weather conditions during the passive monitoring period will be recorded using online meteorological data.

Underpass surveys

- 14.3.26 Any built structures supporting major highways within the study area (underpasses) were assessed and surveyed to establish their suitability to support roosting bats and to establish whether they support bat activity, in particular, whether they provide connectivity for bats commuting throughout the landscape.
- 14.3.27 Inspections and follow on surveys followed the methodology for roost assessment for built structures as described above with the following changes to ensure additional information on bat activity was also captured.
- 14.3.28 During each survey a surveyor was positioned at each entrance to the underpass (with a surveyor mid-way through the structure for large underpasses). All bats entering the underpass were recorded including the time and species. For each pass the other surveyor was notified via hand held transceiver, surveyors also monitored and recorded any bats emerging from the underpass and notified other surveyors of records to establish whether bats entering at one end of the underpass emerged at the other. Additional information including the number of bats, direction of travel and behaviour of any bats utilising underpasses was also recorded. To ensure levels of commuting and foraging activity within underpasses was captured across the main bat active season, an additional single dusk survey visit was conducted at each underpass in Spring and Autumn.

Roost assessment – trees

- 14.3.29 Trees within the study area and a 100m buffer, as well as those that are likely to be removed, pruned or otherwise altered as a result of proposals, were assessed for their potential suitability to support roosting bats where access was permitted.
- 14.3.30 Assessment of potential roosting suitability followed the BCT guidelines⁵⁶ and took into account further guidance provided in the Bat Tree Habitat Key⁵⁷.

⁵⁶ Collins, J. (ed.), Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016

⁵⁷ Andrews, H. et al., Bat Tree Habitat Key. AECOL, Bridgwater, 2013



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- 14.3.31 Trees were visually inspected from ground level using close focusing binoculars and a powerful light source to search for potential roost features/sites (PRFs), such as the following (which are arboricultural terms for different features): rot holes; knot holes; tear outs; flush cuts; hazard beams; wounds; cankers; and other cavities, splits or lifting bark that could potentially be used by bats for roosting. In addition, any evidence of bat occupation (e.g. scratching, staining or droppings around potential entrances) was recorded.
- 14.3.32 Where PRFs are accessible from ground level they were inspected for bats or evidence of bats by an appropriately licensed bat worker using an endoscope and high-powered torch. Samples of any bat droppings found were collected for DNA analysis and a note made if any further assessment was required (i.e. emergence/re-entry surveys). Where PRFs could not be fully inspected at ground level, an assessment was made as to whether it would be possible to fully inspect the PRFs using a ladder or using rope and harness climbing techniques.
- 14.3.33 Assessed trees were categorised in accordance with their level of potential suitability in line with the suitability categories provided in the BCT guidelines as summarised in Table 6.1.20 of this document.

Tree Climbing

- 14.3.34 All trees identified as having moderate and high potential suitability to support bat roosts will be subject to further survey in 2018. Where PRFs can be safely accessed by ladder or using rope and harness climbing techniques, survey methods may include inspection of PRFs by an appropriately licensed bat worker using the most appropriate climbing method. In this case, PRFs will be inspected using a high-powered torch and endoscope, as appropriate to check for the presence of bats or any evidence of bat use (e.g. droppings). Any additional PRFs that were not identified from the ground level inspection will be recorded and inspected (where they are accessible). The use of alternative survey methods to assess these trees (e.g. radio tracking) will also be considered. Professional experience will be used to select the most appropriate survey method for identifying tree roosts, based on the survey findings of the 2017 season.

DNA analysis

- 14.3.35 Samples of any fresh bat droppings found during tree inspections (both ground level assessments and aerial surveys) were collected for DNA analysis by an accredited laboratory to aid species identification.

Emergence/re-entry surveys

- 14.3.36 Any trees identified with moderate or high potential suitability to support roosting bats during tree climbing surveys or had PRFs which could not be fully inspected



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for any reason (e.g. due to safety concerns associated with accessing the feature), will be subject to emergence/re-entry surveys in 2018. These will adopt similar methods to those described for buildings (see above), with the number of visits made to each tree directly relating to the level of potential suitability assigned to the tree (see Table 6.1.22). Multiple surveys will be undertaken at least one month apart. Night vision cameras with infrared light sources will be utilised to assist with observations of late-emerging bat species or for surveys in particularly dark areas (e.g. under tree canopy).

- 14.3.37 Where trees requiring emergence/re-entry surveys occur close together, consideration will be given to surveying the groups of trees or small blocks of woodland as a whole, with surveyors on all sides recording entry into or emergence from the entire block. Although this method will not pinpoint individual roosting sites/features it may indicate the presence of a roost within that group of trees.
- 14.3.38 Table 6.1.22 describes the minimum number of emergence and re-entry survey visits to be made to trees, in accordance with their level of potential to support bat roosts.

Table 6.1.22 Minimum number of emergence and re-entry survey visits to be made to trees, in accordance with their level of potential to support bat roosts

Level of potential suitability to support bat roosts	Minimum number of emergence and re-entry surveys required
Negligible	None.
Low	None.
Moderate	One dusk emergence; and One dawn re-entry.
High/Confirmed roost	One dusk emergence; One dawn re-entry; and One additional survey visit (may be either dusk emergence or dawn re-entry).

- 14.3.39 Emergence/re-entry surveys will be undertaken when temperatures are above 10°C, there is little/no rain, and no excessive wind because in these weather conditions bats are unlikely to be deterred from flying. Temperature, relative humidity, cloud cover, wind speed and precipitation levels will be recorded by surveyors during each survey. Surveyors will also note the presence of any other environmental conditions that may affect bat activity, such as high noise level or artificial light levels.

Habitat assessment – activity surveys

- 14.3.40 Habitats within the study area were assessed for their suitability to support foraging and commuting bats and assigned one of four potential suitability



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categories (i.e. high, moderate, low and negligible) in accordance with the habitat suitability categories as summarised in Table 6.1.23. The study area included a 100m buffer of areas where further direct or indirect effects may be realised.

Table 6.1.23 Guidelines for assessing the potential suitability of habitat features to support commuting and foraging bats (taken from Table 4.1 of BCT's Good Practice Guidelines⁵⁸)

Potential Suitability	Commuting and foraging habitats
Negligible	Negligible habitat features on site likely to be used by commuting or foraging bats.
Low	Habitat could be used by small numbers of commuting bats such as a gappy hedgerow or unvegetated stream, but isolated, i.e. not very well connected to the surrounding landscape by other habitat. Suitable, but isolated habitat that could be used by small numbers of foraging bats such as a lone tree (not in a parkland situation) or a patch of scrub.
Moderate	Continuous habitat connected to the wider landscape that could be used by bats for commuting such as lines of trees and scrub or linked back gardens. Habitat that is connected to the wider landscape that could be used by bats for foraging such as trees, scrub, grassland or water.
High/Confirmed roost	Continuous, high-quality habitat that is well connected to the wider landscape that is likely to be used regularly by commuting bats such as river valleys, streams, hedgerows, lines of trees and woodland edge. High-quality habitat that is well connected to the wider landscape that is likely to be used regularly by foraging bats such as broadleaved woodland, tree-lined watercourses and grazed parkland. Site is close to and connected to known roosts.

14.3.41 Activity surveys, as detailed below in paragraph 14.3.42, were carried out to assess bat use across the study area. Surveys focussed on areas of moderate and high potential habitat, with at least 75% coverage of these habitats, where access permitted, and incorporated a sample of at least 25% coverage of low potential habitats. Areas of negligible potential habitat were scoped out of the activity surveys.

⁵⁸ Collins, J. (ed.), Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016



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Active transect survey

- 14.3.42 Areas of potential bat foraging habitat were traversed by a series of transects designed to incorporate potential bat flight lines and sample the range of habitat types present across the study area. Each transect was visited once monthly from April to October.
- 14.3.43 During each survey visit the surveyor walked at least two circuits of the transect route from sunset until 2-3 hours after sunset. The starting point of the transect route varied between visits to enable sampling of different parts of the transect routes at differing periods of time after sunset. Whilst walking along the transect route, surveyors watched for bat activity (light levels permitting) and monitored bat activity using similar methods and equipment to those described for the emergence surveys.
- 14.3.44 The July transect survey comprised both dusk and dawn visits within one 24-hour period. The dawn transect survey employed the same methods to those described above but from 2-3 hours before sunrise until sunrise.
- 14.3.45 Activity surveys were undertaken when temperatures were above 10°C, there was little/no rain, and no excessive wind because in these weather conditions bats are unlikely to be deterred from flying. Temperature, relative humidity, cloud cover, wind speed and precipitation levels were recorded by surveyors during each active transect survey. Surveyors noted the presence of any other environmental conditions that may affect bat activity, such as high noise level or artificial light levels.

Passive monitoring

- 14.3.46 In order to monitor bat activity throughout the night, passive detectors were deployed to record bat calls continuously from 30 minutes before sunset to 30 minutes after sunrise. Detectors were placed at two locations on each of the activity transects identified for the active transect surveys. Each location was monitored for a minimum of five consecutive nights per month from April to October. Recordings were analysed using the specialist software “BatExplorer”.
- 14.3.47 Weather conditions during the passive monitoring period were recorded using online meteorological data.

Species identification

- 14.3.48 Analysis of bat recordings from static, active transect and emergence/re-entry surveys were carried out with reference to Russ (2012)⁵⁹ to aid species identification. Where recordings could not be identified to species level due to

⁵⁹ Russ, J., British Bat Calls: A Guide to Species Identification. Pelagic Publishing, Exeter, 2012



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overlapping call parameters of species, records were identified to genus/species group, for example the following groups were used:

1. Myotis sp. (bat species in the genus Myotis)
2. Nyctalus sp. (noctule or Leisler's bat)
3. Pipistrellus sp. (common pipistrelle or soprano pipistrelle)
4. Bat sp. (calls that cannot be ascribed to a species group).

14.3.49 Most recordings of bats in the genus Myotis are grouped together because these species in particular have widely overlapping call parameters.

Trapping surveys

14.3.50 Trapping surveys are a useful survey method that can assist with the identification of Myotis bat species, which have call types that are very similar and extremely difficult to separate on detector recordings along, and species which specialise in using woodland for roosting and foraging where detection of calls can be difficult.

14.3.51 In order to adequately assess the importance to bats of woodland, river corridors and large water bodies with the study area, trapping surveys were carried out. These surveys provided further information with regards to the species using these habitats, and the gender and breeding status of individuals present.

14.3.52 Specialist surveyors were employed to design and carry out the trapping surveys and the details of this methodology agreed with Natural England's licensing department prior to commencement. The methodology comprised the following:

1. A number of trapping locations were identified with the aim of sampling woodland, river corridors and large water bodies within the study area. Trapping surveys involved multiple visits to each location between May and October, excluding the sensitive period when females are likely to be heavily gravid or with dependent young (typically June to mid-July)
2. During trapping surveys, harp traps and/or mist nets were erected at each trapping location from sunset until at least four hours after sunset. Acoustic lures, playing repeated bat social calls, were placed behind traps/nets with the aim of attracting bats to the trapping location. Traps/nets were regularly checked, and bats removed at least every 15 minutes
3. The species, age (adult or juvenile), sex and reproductive status of each bat caught was recorded, along with any distinguishing marks (e.g. chin spots or wing tears). All bats were released within 15 minutes of capture.



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Radio-tracking

- 14.3.53 A number of the bats trapped were fitted with radio transmitters and monitored to determine where they were roosting. The bats fitted with radio transmitters were either rarer species, gravid, lactating or post-lactating females or this seasons' juveniles. This technique provides the potential to identify maternity roosts or roosting locations of rarer species.
- 14.3.54 Bats fitted with radio transmitters were followed using telemetry equipment from the public highway, PRoW or land where land owners had permitted access. Whenever possible bats were located and monitored during the roosting period to enable roost locations to be determined.
- 14.3.55 Specialist surveyors were employed to design and carry out the radio tracking surveys and the details of this methodology agreed with Natural England's licensing department prior to commencement.

Other survey methods

- 14.3.56 In addition to the methods set out above, the following additional survey methods may be employed on a more ad hoc basis, to respond to early survey findings and the potential need to follow up on results that are initially unclear or highlight a previously unidentified feature of interest, as appropriate.
1. Passive monitoring – detectors may be deployed on/next to trees or inside built structures in order to monitor bat activity continuously from 30 minutes before sunset to 30 minutes after sunrise. Recorded bat calls will then be analysed in BatExplorer to identify species present and determine levels of bat activity. Although this method would not confirm the presence of a roost it may indicate the presence of a roost close by
 2. Hand netting – where appropriate and necessary to do so, bats may be captured from their roosts using a hand net to identify species, age and gender
 3. Back-tracking surveys – if a number of bats are recorded in a similar location close to sunset or sunrise this may indicate proximity to a potential commuting route that is used by bats flying from and to a roost. Surveyors will return to the location of the record and move in the opposite direction to the bat's flight at sunset, or follow the bats at sunrise, with the aim of back-tracking to locate the roost.

14.4 Programme of surveys

- 14.4.1 The proposed programme for completing bat survey work is set out in Table 6.1.24. This timing complies with survey guidelines. Surveys began in March 2017 and will be completed in October 2018.



Table 6.1.24 Programme of bat survey work

Task	Timing*
Scoping/External inspections	February – April 2017
Internal inspections	March/April 2017 & January – April 2018
Emergence/re-entry surveys – built structures	May – mid September 2017 & May – mid September 2018
Underpass surveys	June - October 2017 & April - October 2018
Activity surveys - transects	April - October 2017 & April - October 2018
Activity surveys - passive	April - October 2017 & April - October 2018
Tree Inspections/Aerial surveys	December 2017 – August 2018
Emergence/re-entry surveys - trees	May - mid September 2018
Trapping surveys	May 2017– October 2018 (excluding sensitive period June – mid July)
Radio tracking surveys, if required	May 2017– October 2018
Swarming surveys, if required – passive monitoring	August – mid October 2017/ August – mid October 2018
Hibernation surveys, if required.	December 2017 - February 2018

*Further surveys in 2019 may be required dependent on land access agreements.



15. BADGER SURVEY METHODOLOGY AND PROGRAMME

15.1 Background

- 15.1.1 The badger survey is designed to identify the distribution of the badger population within the study area (Figure 6.1.1).

15.2 Survey guidance

- 15.2.1 Natural England's guidance "Badgers: surveys and mitigation for development projects" (Natural England, 2015)⁶⁰ and Scottish Natural Heritage's (SNH) Best Practice Badger Survey Guidance Note" (SNH, 2003)⁶¹ provide guidance on best practice for badger surveys. These guidelines, together with the publications by the Chartered Institute of Ecology and Environmental Management (CIEEM) "Competencies for species surveys: Badger" (2011)⁶² and "Classification of badger setts *Meles meles* in the UK: A review of guidance for surveyors" (2013)⁶³ and the sett classification described in Harris *et al.* (1989)⁶⁴, have been taken into account when designing the survey methodology and programme of work.

15.3 Field surveys

Field survey scoping

- 15.3.1 A field survey scoping visit was undertaken by an ecologist, prior to the commencement of any survey work. This was aimed at informing survey protocols, and identifying where any deviations from standard methodology would be required to benefit baseline data collection considering local conditions. Scoping visits also allowed for the identification of features which cannot be identified from Ordnance Survey (OS) maps and aerial photography, in addition to familiarising individuals with the study area.

⁶⁰ Natural England 2015 Guidance Badgers: surveys and mitigation for development projects <https://www.gov.uk/guidance/badgers-surveys-and-mitigation-for-development-projects> (accessed 03 May 2018)

⁶¹ Scottish Natural Heritage, Best Practice Guidance - Badger Surveys. Inverness Badger Survey 2003. Commissioned Report No. 096, 2003

⁶² CIEEM Competencies for Species Surveys; Badger http://www.cieem.net/data/files/Resource_Library/Technical_Guidance_Series/CSS/CSS_-_BADGER_April_2013.pdf (accessed 03 May 2018)

⁶³ CIEEM, Classification of badger setts *Meles meles* in the UK: A Review and Guidance for Surveyors. Richard Andrews published in CIEEM In Practice magazine, December 2013

⁶⁴ Harris, S., Cresswell, P. and Jefferies, D., Surveying badgers. Mammal Society, 1989



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- 15.3.2 Using information obtained from the field survey scoping visit, available Phase 1 Habitat Survey information and analysis of aerial photographs and historic records, habitats with the potential to support badgers were identified within the study area.
- 15.3.3 The extent of the study area for this species considered suitable habitats with connectivity up to 1km away, where appropriate. This assessment considered the following parameters:
1. The suitability of habitat and topography for sett creation
 2. Availability of suitable habitat within the wider environment, and connectivity between these and the study area (based on the Airports Commission masterplan)
 3. Potential for fragmentation and severance of territories by existing infrastructure (e.g. motorways).

Field survey methods

Detailed survey for field signs

- 15.3.4 A systematic walkover survey for field signs was carried out across suitable habitats identified for badgers as part of the field scoping survey in 2017, where access was agreed. The systematic walkover survey was designed to obtain records of the following:
1. Setts
 2. Latrines
 3. Badger paths and runs
 4. Mammal paths with the possibility of being badger
 5. Foraging signs such as snuffle holes
 6. Hairs
 7. Bedding material
 8. Footprints
 9. Evidence of rabbit and fox activity.
- 15.3.5 During the walkover survey the locations and orientations of all sett entrances (both active and non-active) were mapped. Setts which did not currently appear to be in use by badger were recorded as they are considered to have the potential to be utilised by badger in the future. Locations of all setts and field signs of badger, and any other notable mammal species were recorded using GPS-derived grid co-ordinates, accurate to at least 5m.



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- 15.3.6 The number of sett entrances were recorded, alongside their activity levels, ('well used', 'partially used' or 'disused'), using the criteria set out in SNH (2003), described in Table 6.1.25.

Table 6.1.25 Badger activity level classification

Activity level	Definition
Well used	Entrance with one or more of the following features: well-worn entrance, freshly excavated soil, bedding material.
Partially used	Holes with leaves or twigs in entrance and/or mosses and other plants growing in or around entrance.
Disused	Entrance partially or completely blocked, with considerable amount of excavation required for reoccupation.

- 15.3.7 In addition to recording the activity level of all sett entrances, each sett was classified according to the criteria laid out in Harris et al. (1989) and CIEEM (2013), as described in Table 6.1.26.

Table 6.1.26 Badger sett classification

Sett Type	Definition
Main	Several holes with large spoil heaps and obvious paths emanating from and between sett entrances. Continuously used during breeding and over-winter.
Annexe	Normally less than 150m from main sett, comprising several holes. May not be in use all the time, even if main sett is very active. Linked to main sett by well-used paths.
Subsidiary	Usually at least 50m from main sett with no obvious paths connecting to other setts. May only be used intermittently or seasonally. Several entrances.
Outlier	Small with one or two entrances only and little spoil outside holes. No obvious paths connecting to other setts and only used sporadically. May be used by foxes and rabbits.

Territory analysis

- 15.3.8 All field signs recorded during the survey were mapped. The number and distribution of field signs were used to inform the need for further survey to determine the location and extent of individual badger group territories. This included determining the need for bait marking studies, to enable territorial boundaries to be drawn and locate alternative sett locations.



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- 15.3.9 Currently no future requirement for bait marking surveys has been identified. However, as the survey is still progressing and will continue in 2018 bait marking may still be used to establish the extent of badger territories.
- 15.3.10 Bait marking surveys would use uniquely coloured plastic markers placed within feed at each main sett subject to this survey type. Bait (including the plastic markers) would be laid daily during a two-week period. On the first two days, bait would be deposited down any active holes. After this it would be distributed up to a distance of 15-20m from active holes at approximately 25-30 bait points per sett;
1. Active setts would be visited and baited daily (preferably in late afternoon);
 2. One week after baiting has started, daily checks would be carried out to identify any latrines containing plastic markers
 3. Latrine checks would continue for 7 days after baiting has ceased
 4. Latrines and droppings would be inspected thoroughly using a pallet knife or trowel to ensure no marked droppings are missed.

15.4 Programme of surveys

- 15.4.1 The proposed programme for completing badger survey work is set out in Table 6.1.27. This timing complies with survey guidelines. Whilst badger surveys can be carried out at any time of year, early spring or late autumn are considered to be the best times, as this is when badgers are active and there is less vegetation to conceal signs of activity (Natural England, 2015). In the case of bait marking surveys, late February to late April is generally considered as the time when the best results are generated (SNH, 2003), although surveys can also be conducted between early September and mid-October. These periods correspond with peaks in badger territorial marking activity with dung-pit use reaching a maximum in April and September.

Table 6.1.27 Programme of badger survey work

Task	Timing
Field Survey Scoping	April/May 2017
Detailed Field Signs Survey	October 2017 – March 2018
Bait Marking Survey	February 2018 – April 2018 (only if required)
Detailed Field Signs Survey	October 2018 – March 2019 (only if required)
Bait Marking Survey	February 2019 – April 2019 (only if required)



16. HAZEL DORMOUSE SURVEY METHODOLOGY AND PROGRAMME

16.1 Background

16.1.1 The dormouse surveys are designed to identify the distribution of hazel dormouse populations within the study area (Figure 6.1.1).

16.2 Survey guidance

16.2.1 The survey methodology and programming follow guidance given in Natural England's Interim Advice Note "Dormouse surveys for mitigation licensing"⁶⁵, as well as general advice given in the Dormouse Conservation Handbook⁶⁶ and Natural England's Standing Advice Note⁶⁷.

16.3 Field surveys

Field survey scoping

- 16.3.1 Aerial imagery and existing habitat survey information (produced in 2015 as part of a high-level Phase 1 Habitat Survey in support of the Airports Commission) was used to determine areas of suitable habitat (e.g. lines of trees/hedgerows, blocks of woodland, dense continuous scrub) within the study area. These habitat types were mapped, with the resulting output used as the basis for field investigation.
- 16.3.2 The study area for the field scoping surveys included areas where direct or indirect effects may be realised plus a 100m buffer. Any habitats with the suitability to support dormouse that were not recorded previously using aerial imagery were noted and added to survey maps.
- 16.3.3 The assessment of the suitability of habitats involved considering the structure, species composition and connectivity of the habitat types present, particularly those known to support populations of dormouse (identified through desk study results) or provide suitable habitat such as hedgerows and woodlands. The field scoping survey took place in 2017.

⁶⁵ Natural England, Interim Natural England Advice Note; Dormouse Surveys for Mitigation Licensing – Best practice and common misconceptions. WML-G37 (12/11), 2011

⁶⁶ Bright, P, Morris, P. and Mitchell-Jones, T., The dormouse conservation handbook. Second edition. English Nature, Peterborough, 2006

⁶⁷. Natural England, Standing advice note; Dormouse, 2015



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Field survey methods

- 16.3.4 Based on Natural England standing advice for determining presence/absence of dormouse, both nest boxes and dormouse nest tubes (at a ratio of approximately 2:1 respectively) will be placed in all suitable woodland habitat within the study area in 2018 (note nest boxes were deployed in the spring/summer of 2017 to maximise dormouse uptake). Nest tubes will also be placed in all suitable linear features (such as hedgerows and treelines) and in dense continuous scrub.
- 16.3.5 Linear features will be sampled by placing survey tubes at 15-25m (as per the guidance referenced above) intervals and in the woodlands the tubes/ boxes will be placed in rough grid layouts to sample both edge habitat and central habitat. Nest boxes (in woodland) and survey tubes will be located around 2m above ground level; however, the heights will vary based on the availability of a suitable attachment point.
- 16.3.6 Tubes and boxes will be checked once per month between April and October 2018 for the presence of nests or animals.

16.4 Programme of surveys

- 16.4.1 The programme for completing hazel dormouse survey work is set out in Table 6.1.28. This timing complies with survey guidelines.

Table 6.1.28 Programme of dormouse survey work

Task	Timing
Scoping	February – April 2017
Nest box placement	March/April 2017
Survey tube placement	March 2018
Tube and box checks	April – October 2018



17. GREAT CRESTED NEWT SURVEY METHODOLOGY AND PROGRAMME

17.1 Background

17.1.1 The great crested newt surveys are designed to identify the distribution of great crested newt populations within the study area (Figure 6.1.1).

17.2 Survey guidance

17.2.1 The Great Crested Newt Mitigation Guidelines⁶⁸ provide the main source of guidance for great crested newt surveys in the UK. The Herpetofauna Workers' Manual⁶⁹, a paper on Habitat Suitability Indices (HSI)⁷⁰ by Oldham *et al.* (2000) and the HSI document produced as part of the National Amphibian and Reptile Recording Scheme (NARRS) project⁷¹ provide further guidance on survey work. Environmental DNA (eDNA) sampling and analysis followed current guidance provided by Natural England⁷². As use of eDNA techniques is a relatively recent development that is still evolving further information was sought from best available research (Buxton, A⁷³ pers comm). These guidelines were considered when designing the survey methodology and programme of survey work.

17.3 Field surveys

Field survey scoping

- 17.3.1 Water bodies (including ponds, ditches, lakes and reservoirs) within the study area (plus a 500m buffer) were identified using the MAGIC website⁷⁴, aerial photography, satellite imagery and Ordnance Survey mapping. This information was used to inform the scoping exercise described below.
- 17.3.2 All water bodies identified from the desk study required a field scoping visit to determine whether they were likely to support great crested newt and ascertain

⁶⁸ English Nature, Great Crested Newt Mitigation Guidelines. English Nature, Peterborough, 2001

⁶⁹ Gent, A.H. and Gibson, S.D., Eds., Herpetofauna Workers' Manual. Joint Nature Conservation Committee, Peterborough. Revised and reprinted 2003, 1998

⁷⁰ Oldham R.S., Keeble J., Swan M.J.S. & Jeffcote M., Evaluating the suitability of habitat for the Great Crested Newt (*Triturus cristatus*). Herpetological Journal. 10 (4): 143-155, 2000

⁷¹ Updated guidelines available from the National Amphibian and Reptile Recording Scheme (NARRS): <http://narrs.org.uk/documents/HSI%20guidance.pdf>.

⁷² Guidance Great crested newts: surveys and mitigation for development projects <https://www.gov.uk/guidance/great-crested-newts-surveys-and-mitigation-for-development-projects> (accessed 03 May 2018)

⁷³ Andrew Buxton https://www.kent.ac.uk/sac/current-students/research-students/dice/a-e/buxton_andrew.html (accessed 03 May 2018)

⁷⁴ Magic www.magic.gov.uk (accessed 03 May 2018)



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whether further survey was possible due to constraints such as accessibility and health and safety considerations. Key features considered during the field survey scoping visits included:

1. Whether the water body is receiving discharge of pollutants at excessive levels or contains anoxic waters
2. Has insufficient aquatic vegetation or other material that could be used for egg laying
3. Contains high levels of fish activity (e.g. an intensively managed fishing lake) or waterfowl activity (where the number of waterfowl present exceeds 10 per 1000m²)
4. Has a fast flow rate
5. Has an intensive management regime (e.g. bank management)
6. Has an absence of suitable terrestrial habitat or connecting features e.g. mature hedgerows, ditches or woodland
7. Whether there is the presence of a significant barrier to movement between the water body and the study area (e.g. a dual carriageway or fast flowing river).

17.3.3 During the visits (where access was permitted), any additional water bodies identified in the field with suitable great crested newt habitat were included in the field survey scoping exercise. Furthermore, water bodies discovered during other biodiversity surveys were also included. This allowed for the inclusion of garden ponds, which may not be visible using aerial imagery and may be an important element supporting meta-populations⁷⁵.

Field survey methods

Presence/absence

17.3.4 All accessible water bodies with suitable great crested newt breeding habitat were surveyed for their presence using eDNA techniques in 2017. This method (as per Natural England guidance) currently requires one visit in the daytime by a great crested newt licenced surveyor, during the period when the newts are likely to be present (this depends on location and conditions like the weather) between 15 April and 30 June⁷⁶. However, current research into the detectability of newt populations using eDNA has demonstrated that one visit is not as effective at

⁷⁵ Griffiths, R.A., Sewell, D. and McCrea, R. S., Dynamics of a declining amphibian meta-population: Survival, dispersal and impact of climate. *Biological Conservation* 143:485-491, 2010

⁷⁶ Guidance Great crested newts: surveys and mitigation for development projects
<https://www.gov.uk/guidance/great-crested-newts-surveys-and-mitigation-for-development-projects>
 (accessed 03 May 2018)



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detecting presence as four visits using traditional presence/ absence survey techniques. Therefore, two eDNA sampling visits were conducted, where access permitted, both at the start and end of survey period for scientific rigour and to pre-empt possible changes in Natural England standing advice during the life of the project. Surveyors wore disposable gloves and shoe covers that were discarded between each water body to minimise the risk of cross-contamination.

- 17.3.5 Samples gathered were stored within cool boxes during the day and transferred to a refrigeration unit until they were transferred to an accredited laboratory for testing. The testing procedure involves the use of the quantitative polymerase chain reaction procedure⁷⁷ (see Annex C for field survey protocol).
- 17.3.6 In addition, the presence of other amphibian species and fish were tested for, in additional water samples using the metabarcoding procedure. This technique uses universal primers which can work across a range of species to amplify specific short regions of DNA. The amplified DNA is then sequenced to identify the different species present.
- 17.3.7 If the collection of eDNA samples was limited due to dense vegetation around the pond margin, inaccessibility of the perimeter for sampling or shallow water; traditional surveys will also be adopted at these sites in 2018, where considered appropriate. These will be visited four times in spring (with two visits mid-April to mid-May), during which at least three of the following methods of surveying will be employed at each water body where it is safe to do so:
1. Bottle-trapping: bottle traps made from two-litre polyethylene bottles and held in place using a bamboo cane. The traps will be set at intervals of approximately one trap per two metres of shoreline around accessible areas of the water body margins. Each bottle trap will be positioned to retain an air bubble to prevent newts drowning
 2. Torchlight surveying: the entire margin of each water body (as far as possible) will be slowly walked once, whilst shining the light of a minimum 500,000 candle power torch into the water to search for amphibians. This method will be employed during the period between dusk and midnight;
 3. Egg searching on marginal vegetation
 4. Refugia search: where conditions limit surveys within water bodies additional searches under potential refugia (logs, tussocky grass etc.) around the edges of water bodies will be performed and numbers found associated with the nearest water body

⁷⁷ Biggs J, et al., Analytical and methodological development for improved surveillance of the Great Crested Newt. Appendix 5. Technical advice note for field and laboratory sampling of great crested newt (*Triturus cristatus*) environmental DNA. Freshwater Habitats Trust, Oxford, 2014



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5. Sweep netting: the perimeter of each water body will be walked at dusk using a long-handled dip-net to sample the edge. Sampling effort; 15 minutes of netting per 50 metres of shoreline.

17.3.8 In addition, if egg searching was a limited method on the first visit (e.g. poor access to vegetation or deep leaf litter), egg strips will be deployed in 2018 into the water body to aid detection during searches. Weather conditions, survey times and other amphibian species seen will be recorded.

Habitat suitability assessment

17.3.9 At the same time as the first eDNA samples were collected, a Habitat Suitability Index (HSI) score was generated using the method developed by Oldham *et al.* (2000), and adapted by the Amphibian and Reptile Conservation Trust. The HSI is a numerical index, derived by scoring a range of habitat variables, where: <0.5= poor, 0.5-0.59=below average, 0.6-0.69=average, 0.7-0.79=good, and >0.8-1=excellent.

17.3.10 Guidance for habitat variable assessment includes:

1. **S1:** Location - all the water bodies are in Zone A, which encompasses the South East of England
2. **S2:** Pond area (m²) - an estimate of surface area when water is at its highest level (excluding flooding events) rounded up to nearest 50m². The HSI score is read off the graph provided in the guidelines. (If the pond is more than 2000m², this factor is omitted from the HSI calculation)
3. **S3:** Years out of ten that pond dries out - based upon local knowledge if available (e.g. owner) and professional judgement; taking a precautionary approach on assessments made after untypical rain shortages. If the surveyor is unsure and cannot judge how often a pond dries up, 'sometimes dries' should be used
4. **S4:** Water quality - where possible, some invertebrate sampling with a pond net should be done. Be aware that invertebrate levels vary with seasons. The assessment of 'Bad' water quality should only be made where there is clear evidence of continuous and long-term pollution (e.g. large scale tipping of refuse, or spillage of hydrocarbons) and the presence of certain invertebrates. Fish are unlikely to be present in ponds with bad water quality. If in doubt or unable to gather evidence, take a precautionary approach and mark up, not down
5. **S5:** Shade - assessed for the first metre from the shore, around the pond perimeter, and not over the whole pond. Shade is from trees, scrub or buildings, but not emergent vegetation



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6. **S6:** Waterfowl - an assessment of 'Major' is only made if the bank is denuded of vegetation and there is no submerged vegetation. Moorhens are not included
7. **S7:** Fish – where possible use local knowledge (the owner or site users) or pond-netting to assess small fish numbers. Ponds that occasionally dry out are unlikely to have more than minor fish populations. Assess as 'Major' if known that recent stocking has occurred, or there is evidence of heavy use by anglers
8. **S8:** Pond count (No. ponds/km in 1km radius) – every pond subject to surveys has a value of 1 as there is a density >10/km.
9. **S9:** Terrestrial habitat – assessed within a 500m radius to the pond with connectivity
10. **S10:** % of macrophyte cover – assessed based upon the pond surface. This includes floating plants, both free-floating and rooted, submerged plants if they are at the surface, and emergent plants, but not filamentous algae.

Population size class

- 17.3.11 All water bodies where great crested newt presence was detected using eDNA or traditional survey methods, will be subject to population size class surveys in 2018. In line with best practice guidance for population estimation, each water body with presence confirmed will be visited a total six times in spring 2018 (with three visits undertaken between mid-April to mid-May), during which the same methods employed during the traditional presence/absence survey will be employed.

Additional water bodies

- 17.3.12 Any additional water bodies identified during surveys for other protected species (e.g. in residential gardens) during 2017 were incorporated into the survey schedule. These were subject to presence/ absence surveys using eDNA testing and/or traditional methods followed by population assessment surveys (if necessary) depending on the time they were identified.

Other amphibians

- 17.3.13 The water samples collected for eDNA were subject to metabarcoding to identify any other amphibian species resident in water bodies. Thus, the distribution of these species within the study area will be ascertained. This includes Species of Principal Importance listed under Section 41 of the Natural Environment and Rural Communities Act, 2006.



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17.4 Programme of surveys

- 17.4.1 The programme for completing great crested newt survey work is set out in Table 6.1.29. This timing complies with survey guidelines, coinciding with the peak breeding season for this species (spring).

Table 6.1.29 Programme of great crested newt survey work

Task	Timing*
Field survey scoping	February/March 2017
Presence/absence – eDNA sampling	Mid-April and late June 2017 and 2018
HSI assessments	Mid-April to late June 2017 and 2018
Presence/absence - bottle trapping, torching, refugia, netting, egg strip searching	Mid-March to mid-June 2018 (two visits mid-April to mid-May)
Population size class assessments	Mid-March to mid-June 2018 (three visits mid-April to mid-May)

*Further survey in 2019 may be required dependent on land access agreements.



18. REPTILE SURVEY METHODOLOGY AND PROGRAMME

18.1 Background

18.1.1 The reptile surveys are designed to identify the distribution of reptile populations within the study area (Figure 6.1.1).

18.2 Survey guidance

18.2.1 Froglife's Advice Sheet 10⁷⁸ is currently the main source of guidance regarding reptile surveys in the UK; the Herpetofauna Workers' Manual⁷⁹ provides further guidance. These guidelines have been taken into account when designing the survey methodology and programme of survey work.

18.3 Field surveys

Field survey scoping

18.3.1 High-level Phase 1 habitat survey data, aerial photography (captured in 2016) and satellite imagery were used to determine the areas that would require a survey by suitably experienced and qualified ecologists to determine the potential for the habitat to support reptiles and whether further presence/ absence surveys were possible due to constraints such as accessibility and health and safety considerations. Key features considered during the field survey scoping process were:

1. Whether there were hibernacula present (log piles, rubble piles, embankments with mammal burrows etc.)
2. Whether the vegetation had a dense structure and suitable height (>10cm);
3. Whether suitable foraging grounds were present (e.g. proximity of standing water for grass snakes)
4. Whether there were suitable breeding sites (e.g. compost/vegetation heaps within which grass snake could incubate eggs)
5. What the land use/management was (e.g. grazing is negatively correlated to reptile presence)
6. If the habitat was connected to the wider landscape.

⁷⁸ Froglife, Reptile Survey: An Introduction to Planning, Conducting and Interpreting Surveys for Snake and Lizard Conservation. Froglife Advice Sheet 10. Froglife, Halesworth, 1999

⁷⁹ Gent, A.H. and Gibson, S.D., Eds., Herpetofauna Workers' Manual. Joint Nature Conservation Committee, Peterborough. Revised and reprinted 2003, 1998



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- 18.3.2 During the field survey scoping in 2017 (where access was permitted) identified habitats not deemed suitable to support reptile populations were:
1. Areas of hard standing, bare ground or rubble/gravel
 2. Arable fields (due to intensive management/disturbance, application of chemicals and limited habitat along margins)
 3. Grazing fields (due to short sward height of vegetation and risk of injury to reptiles under refugia from trampling)
 4. Vegetation lacking a dense thatch at ground level (e.g. tall ruderal growing on gravel) or part of a linear feature that is discontinuous/patchy.
- 18.3.3 Residential dwellings were omitted from survey due to access issues, intensive management regime and their small size. However, adjacent habitats were surveyed where appropriate.

Field survey methods

Study area

- 18.3.4 All land within the study area that was assessed as having the potential to support reptiles was included in presence/ absence survey.

Presence/absence

- 18.3.5 In order to ascertain the presence and distribution of reptiles a total of seven survey visits were conducted between April – September 2017 (with all visits conducted during the key months of April, May and September) in suitable habitats where access was permitted. Survey visits comprised the following methods:
1. Direct observation - during each survey visit to the site, the locations of any reptiles observed in the open (e.g. basking) will be recorded
 2. Refugia searches - existing potential refugia, especially discarded wood or old carpet, was carefully lifted and the area underneath searched for reptiles⁸⁰
 3. Artificial refugia –roofing felt measuring approximately 0.5m², and sheets of corrugated metal measuring approximately 0.25-0.5m², were placed at a density of 15 refugia per hectare⁸¹ of suitable habitat. Each refugia was numbered and the location recorded to an accuracy of, at least, ±10m. Artificial refugia was positioned in locations that provide basking opportunities (i.e. not

⁸⁰ Due to the level of fly tipping in the general area a dynamic risk assessment will be carried out prior to searching under discarded material. Records of asbestos and sharps within fly-tipped material require surveyors to be precautionary.

⁸¹ The minimum requirement is 5-10 per hectare. This has been increased to detect low density populations.



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in full shade). They were left for at least two weeks to bed into the vegetation before the survey visits commence. Survey visits recorded all reptiles observed under, on top of or next to these refugia.

- 18.3.6 Reptile activity is very dependent on the weather and time of year, as reptiles are ectotherms and therefore must bask in order to warm themselves and become active. Optimum conditions are intermittent sunshine with little or no wind, particularly after a spell of cooler or wetter weather. Although individual species have some specific preferences, it is generally preferable to survey when the temperature is between 10°C and 17°C. Survey visits were conducted as far as practically possible in these optimal conditions.

Hibernacula assessment

- 18.3.7 If snake species were recorded during the presence/ absence surveys undertaken in 2017, a walkover survey will be undertaken on two (or more depending on number of features) sunny days in early February-March 2018. During the survey visits particular attention will be paid to potential hibernacula identified during the field survey scoping and presence/ absence surveys, such as rubble piles, log piles, embankments, rabbit warrens and tree root systems, where emerging reptiles (particularly adders) may be basking. During these survey visits, the locations of any reptiles observed will be recorded, along with a description of the associated hibernacula feature.

Population size class

- 18.3.8 Where surveys established the presence of reptiles in 2017, a full season of surveys will be conducted as per current guidance⁴⁸ on all habitats within the study area in 2018. These will be conducted to provide additional population information (e.g. if an exceptional population is recorded or 'key reptile site' criteria met⁴⁸ from presence/absence surveys, they will not be repeated in 2018). The classification of the relative population size for reptile species will be assessed based on a 20 visit survey programme, using the maximum survey counts of adult reptiles observed in a single day. All survey visits will be spaced out across the survey season, from March to September 2018, with a greater proportion of the visits conducted during the key months of April, May and September.

18.4 Programme of surveys

The programme for completing reptile survey work is set out in

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18.4.1 Table 6.1.30.



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Table 6.1.30 Programme of reptile survey work

Task	Timing
Site familiarisation	February 2017
Field survey scoping and hibernacula identification	March 2017
Set up artificial refugia	March 2017
Presence/absence surveys	April-September 2017
Hibernacula emergence surveys	February/March 2018
Populations estimate surveys	March-October 2018



19. BREEDING BIRD SURVEY METHODOLOGY AND PROGRAMME

19.1 Background

19.1.1 Heathrow is located within an area that supports a variety of habitats that have the potential to support breeding birds. Therefore, a detailed breeding bird survey is required to understand the current baseline within areas that may be affected by the DCO Project. The aim of the breeding bird survey is to identify the distribution, diversity and abundance of bird populations across the study area (Figure 6.1.1). The results of these surveys will be used to determine the nature conservation importance of the bird populations present and inform any mitigation necessary.

19.2 Survey guidance

19.2.1 The breeding bird surveys follow an adapted method tailored to a large development project, based on the British Trust for Ornithology's (BTO) Common Bird Census (CBC) methodology (Gilbert *et al.* 1998⁸²) as outlined below (Section 19.3). The results of the surveys are used to map territories of common breeding birds enabling further analysis to be undertaken to estimate the breeding densities of each species.

19.3 Field surveys

Field survey scoping

19.3.1 An initial assessment using aerial photography and Ordnance Survey base maps was carried out to confirm the broad habitat types within the study area and divide it into 21 numbered survey blocks (Figure 6.1.1).

19.3.2 A series of field survey scoping visits were then carried out in winter between the 13 and 23 February 2017 in areas where access was possible from roads or Public Rights of Way (PRoW). The visits were an opportunity to assess:

1. Access
2. Survey grouping/schedule planning
3. Survey routes
4. Potential risks and constraints.

⁸² Gilbert, G, Gibbons, D.W. & Evans, J., Bird Monitoring Methods: A manual of techniques for key UK species. RSPB, Bedfordshire, 1998



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- 19.3.3 It was also an opportunity for the survey leads to familiarise themselves with the locations and identify any changes that were needed to the proposed methodologies in light of local conditions. Where significant changes were required, or particular site conditions warranted it, site methodologies were adapted accordingly.

Field survey methods

Breeding bird survey

- 19.3.4 The survey methodology has been designed to achieve a maximum of six survey visits⁸³ (one in mid-March two in April [early to mid-month and late in the month], two in May [at broadly two week intervals from the late April visit], and an early-mid June visit) within the study area with complete coverage of suitable habitats (subject to access arrangements). Areas of continuous hard-standing (e.g. airport car parks) were not considered suitable for breeding birds due to the absence of suitable features to support nesting birds and were not subject to survey.
- 19.3.5 Surveys completed in 2017 were timed to avoid heavy rain, or strong or cold winds, therefore minimising variation in bird activity levels due to weather conditions. Survey planning for 2018 will also ensure that further surveys take place in suitable weather conditions.
- 19.3.6 Each Survey Block (where access is permitted) was surveyed over the course of a single morning during all survey visits. All visits started at least an hour after dawn and were completed by midday. The route taken by each surveyor was reversed between each visit to ensure that certain parts of the study area did not receive systematically better coverage as a result of possible decline in song output later in the morning. The location of each bird detected (visually and/ or aurally) was mapped using standard two-letter BTO Codes, and bird activity recorded using standard behaviour codes (Marchant, 1983⁸⁴).

Territory-mapping

- 19.3.7 On completion of the survey visits, results were collated and analysed to produce maps of territory extents and centroids, defined using records from all visits. Territory mapping analysis was based on criteria adapted from Amar *et al.*

⁸³ While eight to ten visits are the norm for CBC sites being monitored over the long-term, where territory mapping is being used for the purpose of assessing potential environmental impacts, it is generally accepted that three to five visits are sufficient to determine the numbers and densities of breeding birds with reasonable accuracy. Six is being targeted in this survey programme to ensure robust data is collected.

⁸⁴ Marchant, J., BTO Common Birds Census Instructions. Maund & Irvine, Tring, 1983



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(2006⁸⁵) and involved an experienced ornithologist looking for spatial groupings of song registrations. No temporal restrictions were applied, such that one or more record suggestive of breeding was assessed as representing a territory. These data will be used to estimate the breeding densities, distribution and overall number of territories of each species within the study area.

19.4 Programme of surveys

- 19.4.1 The proposed programme for completing breeding bird survey work is set out in Table 6.1.31. This timing complies with survey guidelines, coinciding with the peak breeding season for the majority of common bird species.
- 19.4.2 Further surveys during the 2018 breeding season will be used to repeat 2017 surveys (if necessary) and provide survey coverage of locations where access was not available during the 2017 breeding season.

Table 6.1.31 Survey programme of breeding bird surveys

Task	Timing*
Site scoping visit	Mid-late February 2017
Common Bird Census (Maximum of 6 visits)	March to June 2017
Repeat Common Bird Census, to include all areas covered during 2017 (where necessary) and areas with delayed access	March to June 2018

*Further survey may be required in 2019 dependent on land access agreements.

⁸⁵ Amar, A., Hewson, C.M., Thewlis, R.M., Smith, K.W., Fuller, R.J., Lindsell, J.A., Conway, G., Butler, S. & MacDonald, M.A., What's Happening to Our Woodland Birds? Long-Term Changes in the Populations of Woodland Birds. BTO Research Report 169 & RSPB Research Report 19. Thetford: BTO and Sandy: RSPB, 2006



20. BREEDING KINGFISHER SURVEY METHODOLOGY AND PROGRAMME

20.1 Background

- 20.1.1 This kingfisher survey methodology is designed to identify the distribution and density of breeding kingfisher within the study area (Figure 6.1.1).
- 20.1.2 The following text outlines the proposed methodologies and programme for undertaking a kingfisher survey to supplement the breeding bird survey with emphasis on the location of any kingfisher nests/territories within the suitable riparian and wetland areas of the study area.
- 20.1.3 Surveys are required to assess the number of kingfisher territories/ nest sites along the waterways / wetlands within the study area. This includes sections of the River Colne, River Crane and Colne Brook together with a number of smaller watercourses, lakes and ponds.

20.2 Survey guidance

- 20.2.1 Assessment of kingfisher numbers was carried out using a methodology based on the Waterways Breeding Bird Survey (WBBS)⁸⁶ developed by the British Trust for Ornithology, JNCC and RSPB as an extension of the Breeding Bird Survey (BBS) for use on linear waterways.

20.3 Field surveys

Field survey scoping

- 20.3.1 An initial assessment using aerial photography and base maps was undertaken to confirm the broad habitat types present within the study area. The main watercourses present in the area are:
1. River Colne
 2. Colne Brook
 3. Wraysbury River
 4. Duke of Northumberland River
 5. River Crane.

⁸⁶ Waterways Breeding Bird Survey <https://www.bto.org/volunteer-surveys/wbbs> (accessed 03 May 2018)



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- 20.3.2 A series of field survey scoping visits were carried out in winter between the 13 and 23 February 2017 in areas where access was possible from roads or PRow. The visits were an opportunity to assess:
1. Access
 2. Survey grouping/schedule planning
 3. Survey routes
 4. Potential risks and constraints.
- 20.3.3 It was also an opportunity for the survey leaders to familiarise themselves with the locations and identify any changes that needed to be made to the proposed methodologies in light of the conditions on the ground.
- 20.3.4 With access limited to roads and PRow it was possible to sample the main watercourses along short sections only.

Field survey methods

- 20.3.5 The field methodology followed the methods described in the WBBS instructions⁸⁷ with additional focus given to locating kingfisher burrows and recording breeding activity.
- 20.3.6 The application of the WBBS methodology is reliant on the waterways within the study area having suitable access pathways alongside them. Each length of accessible waterway within the study area was sub-divided into sections of approximate equal length for recording purposes.
- 20.3.7 Survey routes were designed following completion of the field survey scoping visit and considered access permissions and accessibility.
- 20.3.8 An initial survey was completed in April/May 2017 and comprised:
1. Confirmation of the survey routes;
 2. Habitat suitability assessment for kingfisher;
 3. Identification of any potential kingfisher nest burrows.
- 20.3.9 Two further survey visits were then made to each accessible stretch of watercourse; with an early visit completed between April and May 2017 and a late visit completed between June and August 2017. Visits were planned to be at least four weeks apart with the early visit timed to coincide with the main activity period

⁸⁷ WBBS Instructions 2014

<https://www.bto.org/sites/default/files/u22/downloads/WBBS%20Instructions%202014.pdf> (accessed 03 May 2018)



of the resident breeding birds in the area. The later visit was timed to occur after the arrival of later migrant breeding birds. Given the location and altitude of the areas of interest, site surveys were carried out relatively early in the breeding season to reflect conditions in southern England.

- 20.3.10 Each survey visit conducted within the 2017 season was made during the morning and started between 6am and 7am.
- 20.3.11 All surveys were completed to avoid heavy rain, or strong or cold winds, therefore minimising variation in bird activity levels due to weather conditions.
- 20.3.12 From the predefined starting point of the survey route each surveyor walked slowly and methodically, pausing regularly to listen for bird calls and to scan for birds. The WBBS methodology records all species but given that these areas were also covered by the breeding bird survey this effort was reduced to record kingfisher only.
- 20.3.13 Using the field recording sheets each kingfisher encountered was recorded and noted.
- 20.3.14 Where kingfisher were observed, surveyors recorded the location, and following key behaviours using adapted CBC symbology on survey maps, which can be used to identify the location and probability of breeding⁸⁸. This included notation to record the carrying of fish or eggshells, food exchange and tunnel excavation.
- 20.3.15 All waterways were assessed during the 2017 breeding season (where access allowed), with further survey to be completed in 2018 to cover areas where access was not available during spring/summer 2017 or where survey results were inconclusive. Sections with confirmed unsuitable breeding habitat, where kingfisher were not recorded in 2017 will be scoped out of the 2018 survey programme. Surveys to be completed in 2018 will focus on survey routes with one or more of the following characteristics:
1. Suitable habitat and no records of kingfisher from 2017 surveys
 2. Records of kingfisher but no breeding/nesting behaviour observed
 3. Recorded nesting locations or sections where nesting behaviour was observed
 4. Areas where no access was available in 2017.
- 20.3.16 Following completion of the 2017 and 2018 surveys, the distribution of breeding kingfisher will be mapped along with records of all sightings. From the maps an estimate of the number of occupied territories will be generated.

⁸⁸ Land Use Consultants 2007 Olympic Park: Kingfisher and sand martin nesting surveys, Autumn 2007



20.4 Programme of Surveys

- 20.4.1 The programme for completion of kingfisher surveys is set out in Table 6.1.32. These timings comply with survey guidelines, designed to coincide with the peak breeding season for this species.

Table 6.1.32 Programme of Kingfisher survey work

Task	Timing
Scoping walkover of watercourses and water bodies	February/March 2017
Survey visits during the 2017 breeding season	April – May and June - August
Scoping walkover of watercourse and water bodies with delayed access	February/March 2018
Survey visits during the 2018 breeding season	April – May and June - August



21. BREEDING LITTLE RINGED PLOVER SURVEY METHODOLOGY AND PROGRAMME

21.1 Background

- 21.1.1 This survey is designed to identify the distribution and density of little ringed plover within the study area (Figure 6.1.1).
- 21.1.2 The following text outlines the proposed methodologies and programme for undertaking a breeding little ringed plover survey, to supplement the general breeding bird survey effort, with emphasis on areas of suitable habitat for this species which includes sand and gravel workings.

21.2 Survey guidance

- 21.2.1 Surveys for little ringed plover will be completed using a methodology defined by the BTO for little ringed plover and ringed plover⁸⁹.

21.3 Field surveys

Field survey scoping

- 21.3.1 An initial assessment using aerial photography and base maps was carried out to confirm the broad habitat types and divide the study area into numbered survey blocks based on habitat type.
- 21.3.2 Little ringed plover typically nest in areas with bare ground or sparse vegetation adjacent to freshwater. As such ponds and lakes in areas of sand and gravel quarries are considered favourable sites for this species.
- 21.3.3 Two working gravel/sand quarries were identified from the aerial photographs; one located in Area 19 and the other in Area 13 (see Figure 6.1.1).
- 21.3.4 Additional areas of suitable habitat recorded during the breeding bird surveys in 2017 were also scoped into the survey programme for 2018 together with any previously known little ringed plover breeding locations, identified from desk study records (within the last 10 years).
- 21.3.5 A field scoping visit to confirm habitat suitability will be carried out ahead of the 2018 breeding season in accessible areas.

⁸⁹ Conway, G.J.m Burton, N.H.K, Handschuh, M and Austin, G.E., UK population estimates from the 2007 Little ringed plover and ringed plover surveys, BTO Research Report No. 510, 2008



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- 21.3.6 Given the limited number of locations and probable restrictions on access around the working areas of the sand and gravel quarries, surveys will be undertaken where possible, but the survey programme will focus on all water bodies. Surveys will be undertaken at water bodies, particularly areas with islands or shorelines with bare ground or sparse vegetation in areas with the potential to support little ringed plover.
- 21.3.7 At each site three survey visits will be made throughout the 2018 breeding season as follows;
1. Visit 1 – Mid-April – Mid-May
 2. Visit 2 – Mid-May – Mid-June
 3. Visit 3 – Mid June – Mid-July.
- 21.3.8 All surveys will commence one hour after sunrise and be completed at least one hour before sunset. Surveyors will complete a walkover of each site and record all registrations of little ringed plover, including any nesting sites.
- 21.3.9 Given the likely low number of study areas (2-5) full population estimate analysis as per Conway *et al.* (2008) is not considered to be appropriate. The results of the surveys will be assessed to identify the location of any breeding territories and estimate the number of breeding pairs.

21.4 Programme of surveys

- 21.4.1 The programme for completion of breeding little ringed plover survey work is set out in Table 6.1.33. These timings comply with survey guidance as taken from Conway *et al.* (2008).

Table 6.1.33 Programme of breeding little ringed plover survey work

Task	Timing
Scoping survey of potential sites and wider area	Before April 2018
Survey of all suitable areas identified during scoping and other survey work	Mid-April to Mid-July 2018



22. WATER BODY WINTERING BIRD SURVEY METHODOLOGY AND PROGRAMME

22.1 Background

- 22.1.1 The aim of the water body wintering bird survey is to identify the distribution, diversity and abundance of bird populations across the study area (Figure 6.1.1).
- 22.1.2 The following text outlines the proposed methodologies and programme for undertaking wildfowl counts at numerous water bodies in the vicinity of the existing airport, some of which are designated as part of the South West London Waterbodies (SWLW) Special Protection Area (SPA).
- 22.1.3 This survey type has been undertaken in the area over the past four winters beginning in 2014/15.

22.2 Survey guidance

- 22.2.1 Surveys were based on the Wetland Bird Survey Core Count methodology⁹⁰, a methodology developed in combination by the British Trust for Ornithology (BTO), the Wildfowl and Wetlands Trust (WWT), Royal Society for the Protection of Birds (RSPB) and the Joint Nature Conservation Committee (JNCC). Increased survey effort, over that in the original methodology, was employed (beyond requirements of the guidance) with twice-monthly counts carried out at each water body.

22.3 Field surveys

Field survey scoping

- 22.3.1 Survey programmes have been completed for the previous three winters providing twice-monthly counts of waterbirds on up to 30 water bodies to the south and west of the existing airport boundary (Amec Foster Wheeler 2015⁹¹, Amec Foster Wheeler 2016⁹²), which include a number of designated and non-designated water bodies.
- 22.3.2 Two statutory designated sites of international ornithological importance and seven sites of national ornithological importance are located within the study area (there is an overlap of multiple designations in some areas), the details of which are provided in Annex D. These include:

⁹⁰ Bibby, C.J., Burgess, N.D., Hill, D.A. & Mustoe, S., Bird Census Techniques. Second Edition. Academic Press, London, 2000

⁹¹ Amec Foster Wheeler, Heathrow: Interim Winter Bird Report 2014-15. Heathrow Airport Ltd, 2015

⁹² Amec Foster Wheeler, Heathrow: Interim Winter Bird Report 2015-16. Heathrow Airport Ltd, 2016



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1. South West London Waterbodies SPA
2. South West London Waterbodies Ramsar Site
3. Kempton Park Reservoirs SSSI
4. Knight and Bessborough Reservoirs SSSI
5. Staines Moor SSSI
6. Thorpe Park No.1 Gravel Pit SSSI
7. Wraysbury and Hythe End Gravel Pits SSSI
8. Wraysbury Gravel Pit No. 1 SSSI and
9. Wraysbury Reservoir SSSI.

22.3.3 An additional 14 non-designated water bodies were also identified that, together with the designated sites form two water body “complexes” (Wraysbury and Shepperton/Walton complexes) that have the potential to support the wintering populations of gadwall and shoveler (these being the designated features of the SPA), along with the other species identified as part of the various SSSI designations. Table 6.1.34 provides a full list of the water bodies previously surveyed along with details of their respective designations.

22.3.4 An additional 9 water bodies have been identified within or in the general vicinity of area of proposed airport expansion and were included in the study area for the 2017/18 survey to provide context. Names of these sites are also included in Table 6.1.34. The locations of all 39 water bodies are shown on Figure 6.1.2.

Table 6.1.34 Water bodies identified for survey

Water body Identification No.	Water body name	SWLW SPA/Ramsar	SSSIs and component SSSIs of SPA/Ramsar
1	Old Slade Lake		
2	Colnbrook (North)		
3	Orlitts Lake		
4	Colnbrook (West)		
5	Queen Mother Reservoir		
6	Kingsmead		
7	Horton (South)		
8	Wraysbury Reservoir	✓	Wraysbury Reservoir
9	Wraysbury I (North)	✓	Wraysbury GP No. 1
10	Wraysbury I (South)	✓	Wraysbury GP No. 1
11	Wraysbury II (North)	✓	Wraysbury & Hythe End
12	Wraysbury II (South)	✓	Wraysbury & Hythe End
13	Colne Mere		Wraysbury & Hythe End



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Water body Identification No.	Water body name	SWLW SPA/Ramsar	SSSIs and component SSSIs of SPA/Ramsar
14	Hythe Lagoon		Wraysbury & Hythe End
15	Heron Lake		
16	The Moor GP		
17	Church Lammas		
18	Staines Moor		Staines Moor
19	Stanwell Moor (South)		
20	Stanwell Moor (North)		
21	King George VI Reservoir	✓	Staines Moor
22	Staines Reservoir (North)	✓	Staines Moor
23	Staines Reservoir (South)	✓	Staines Moor
24	Princes Lakes		
25	Bedfont Lakes		
26	Thorpe Park No. 1 Gravel Pit	✓	Thorpe Park No.1 Gravel Pit
27	Bessborough Reservoir	✓	Knight & Bessborough Reservoirs
28	Knight Reservoir	✓	Knight & Bessborough Reservoirs
29	Kempton Park Nature Reserve	✓	Kempton Park Reservoirs
30	Kempton Park Distribution Reservoir	✓	Kempton Park Reservoirs
31	Saxon Lake		
32	Swan Lake		
33	Rodney Meadow		
34	Mayfields Lake		
35	Thorney CP		
36	Mets Lake		
37	Thorney Weir		
38	Farlows Lake		
40	Horton Lakes		

Field survey methods

- 22.3.5 Surveys at each of the 39 water bodies followed the WeBS Core Count methodology, which uses the so-called 'look-see' methodology (Bibby *et al.* 2000⁹³), whereby the observer undertakes a census of all waterbird species within the predefined waterbody/wetland area. Surveyors would carry out watches from one or more fixed points on the shore (with the number of vantage points being determined by how many are required to view all areas of each).
- 22.3.6 The 39 water bodies have been divided into 6 survey groups each of which were surveyed by a single or pair of surveyors. Waterbodies were grouped

⁹³ Bibby, C.J., Burgess, N.D., Hill, D.A., and Mustoe, S.H., *Bird Census Techniques*, 2nd Ed. Academic Press, London, 2000



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geographically where practical, some sites required additional access procedures and have been grouped together to make survey visits as efficient as possible. Waterbodies were grouped as follows:

1. Group 1 – Water bodies 1-4 & 9-10
2. Group 2 – Water bodies 3, 8 & 21
3. Group 3 – Water bodies 11-20
4. Group 4 – Water bodies 22-25 & 31-32
5. Group 5 – Water bodies 26-30
6. Group 6 – Water bodies 34-39.

- 22.3.7 All waterbird species were recorded, however target species were gadwall and shoveler (SPA qualifying interest species); tufted duck, pochard, goosander, cormorant, great crested grebe, smew and goldeneye (interest features of the component SSSIs).
- 22.3.8 Counts were made during the day at each of the identified water bodies and undertaken twice monthly during the winter period (September – March inclusive). Surveys were completed between approximately 08:00 and 13:00 on each visit with counts at each water body taking between 30 and 60 minutes. Visiting the water bodies on a bi-monthly basis enabled a broad investigation of bird movement between water bodies during the winter period.
- 22.3.9 Following the approach described in Briggs 2007⁹⁴ and 2012⁹⁵ to surveys of the SWLW SPA and functional habitats each “complex” was visited on consecutive days (or the same day where practicable). Undertaking counts on each of the water bodies in each complex in a single day reduces the possibility of double-counting or omitting birds, and makes it possible to consider each bi-monthly count as a ‘snapshot’ of the distribution of gadwall and shoveler within the area at that point in time.
- 22.3.10 Water bodies were visited in a different order on each occasion. During each survey visit, observers also recorded weather conditions.

⁹⁴ Briggs, B. D. J., The use of waterbodies in SW London by Gadwall and Shoveler; implications for nature conservation. D.Phil. Thesis, Oxford University, 2007

⁹⁵ Briggs, B. D. J, Hill, D. A. and Gosler, A. C., Habitat selection and waterbody-complex use by wintering Gadwall and Shoveler in South West London: Implications for the designation and management of multi-site protected areas. *Journal for Nature Conservation* **20** (2012) 200-210



22.4 Waterbird distribution

- 22.4.1 Waterbird distribution was recorded by surveyors using a tablet computer. A grid of 100 x 100 metre squares was overlaid with each waterbody and populated on the day of survey as the main count was completed.

22.5 Survey outputs

- 22.5.1 The results of the survey undertaken in 2017/18 will be compared with the previous three years of monitoring to identify any significant trends or variations between years for each of the target species.



23. TERRESTRIAL WINTERING BIRD SURVEY METHODOLOGY AND PROGRAMME

23.1 Background

- 23.1.1 The aim of the terrestrial wintering bird survey is to identify the distribution, diversity and abundance of wintering bird populations across the terrestrial habitats in the study area (Figure 6.1.1) and highlight any sites that are relied upon for all or a significant part of the winter period.
- 23.1.2 The following text outlines the methodologies and programme for undertaking the winter bird survey of terrestrial habitats with emphasis on any differences associated with land use category and adaptation to the methodology.

23.2 Survey guidance

- 23.2.1 Standardised bird census methodologies following survey protocols developed by the British Trust for Ornithology (BTO) and recognised methods of analysis have been employed in all ornithology surveys for the DCO Project, where possible. In this instance an amended version of the Winter Farmland Bird Survey (Atkinson *et al.* 2006)⁹⁶ has been adopted for all areas of terrestrial habitat subject to survey.
- 23.2.2 The Winter Farmland Bird Survey was organised by the BTO and carried out between 1999 and 2003 to assess the use of British farmland by 30 wintering species that included waders, game birds and passerines. The purpose of the survey was to assess the distribution and abundance of species of interest within the UK.
- 23.2.3 The Winter Farmland Bird Survey methodology has been adapted for the DCO Project to reflect the type of habitats present. Its aim being to determine whether any notable species (see paragraph 23.3.4) regularly feed or roost within the study area. The methodology utilises the “Winter Walks” component of the Winter Farmland Bird Survey as this is the most suitable survey approach for the habitats and land parcels present in the study area.

⁹⁶ Atkinson, P.W., Fuller, R.J., Gillings, S. & Vickery, J.A., A detailed assessment of the Pilot Survey: Counting birds on farmland in winter. *Bird Study* 53: 303-309, 2006



23.3 Field surveys

Field survey scoping

- 23.3.1 Aerial photography and Ordnance Survey base maps were used to confirm the broad habitat types present within the study area and divide this into provisional numbered survey blocks. These are shown in Figure 6.1.1.
- 23.3.2 A series of field survey scoping visits were then carried out in between the 13 and 23 February 2017 from roads or public rights of way to enable site familiarisation and identify any changes that were needed to the proposed methodologies, in light of local conditions.

Field survey methods

- 23.3.3 The main aim of these surveys was to determine whether any notable species, as defined below, regularly feed or roost within the study area.
- 23.3.4 Notable species are defined as:
1. Species listed on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended)
 2. Species listed on Annex 1 of the Birds Directive
 3. Species of Principal Importance in England, following Section 41 of the Natural Environment and Rural Communities Act 2006 (NERC)
 4. Birds of Conservation Concern (BoCC) red list species (Eaton *et al.*, 2015)⁹⁷
 5. Wintering bird species listed under designations at statutory protected sites within or adjacent to the study area⁹⁸
 6. Flocks of 20+ birds of all other species (e.g. winter thrushes, gulls, corvids)
 7. All other species of water birds.
- 23.3.5 For these species, the following details were recorded:
1. numbers of individuals
 2. locations of records
 3. activity (foraging, loafing, roosting etc.).

⁹⁷ Eaton, M.A., Brown, A.F., Noble, D.G., Musgrove, A.J., Hearn, R.D., Aebischer, N.J., Gibbons, D.W., Evans, A. and Gregory, R.D., Birds of conservation concern 3. *British Birds*, 102(45), pp.296-341, 2009

⁹⁸ Designated sites include; South West London Waterbodies (SPA & Ramsar), Wraysbury No. 1 Gravel Pit SSSI, Wraysbury & Hythe End Gravel Pites SSSI, Wraysbury Reservoir SSSI, Staines Moor SSSI, Thorpe Park No. 1 Gravel Pit SSSI, Kempton Park Reservoirs SSSI and Knight and Bessborough Reservoirs SSSI.



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- 23.3.6 The presence of species that do not qualify as notable using the criteria were also noted. However, information on numbers, distribution and behaviour were not recorded.
- 23.3.7 Two survey visits were carried out per month between early September and late March. Each survey visit (covering all survey blocks) was completed over a maximum of three consecutive days, allowing a snapshot record of the number and distribution of wintering birds over as short a period of time as possible. All areas (where access was granted) were crossed by transects that are focused on areas most likely to support wintering birds (e.g. arable fields/grazing pasture, amenity grassland, conservation areas); transects passed between 50 and 200m of key interest features. Areas with limited access were surveyed from informal vantage points, offering views over large parcels of land used to observe flocking species.
- 23.3.8 Continuous hard-standing (e.g. airport car parks, commercial properties and residential properties) not suitable for wintering birds was not subject to survey.
- 23.3.9 All surveys avoided heavy rain, or strong or cold winds, therefore minimising variation in bird activity levels due to weather conditions, wherever possible. Transect routes were designed to be between 5-6km in length with all survey visits started at least an hour after dawn and completed by 15:00.

23.4 Survey outputs

- 23.4.1 The results of each survey visit were combined for each notable species and mapped to identify any locations with repeated use throughout the course of the winter and any changes of abundance over time.
- 23.4.2 Comparison between species were also carried out to highlight any locations that support more than one species, taking into account any temporal or spatial variation.

23.5 Programme of surveys

- 23.5.1 The proposed programme for completing the terrestrial wintering bird survey work is set out in Table 6.1.36. This timing complies with survey guidelines, providing data throughout the winter to highlight variation in species abundance and distribution.



Table 6.1.35 Proposed programme of terrestrial wintering bird survey work

Task	Timing
Site Scoping Visit	Mid-late February 2017 (supplemented with information collected during CBC surveys in summer 2017)
Winter bird survey	September 2017 - March 2018 September 2018 – March 2019 (covering areas not available during the winter of 2017/18)



24. BIRD DISTURBANCE AND DISTRIBUTION SURVEY METHODOLOGY AND PROGRAMME

24.1 Background

- 24.1.1 The bird disturbance and distribution surveys are designed to investigate the behavioural responses of water birds to disturbance agents within the vicinity of proposed airport expansion and establish a baseline for the existing levels of disturbance, in particular in response to aircraft overflight. These water bodies include those designated as part of the South West London Waterbodies (SWLW) Special Protection Area (SPA), in close proximity to Heathrow and others that are considered associated functional habitat.
- 24.1.2 The following text outlines the methodologies and programme for undertaking disturbance monitoring of water birds at a selected number of water bodies under the current flight paths of aircraft from Heathrow (when at low altitudes).

24.2 Survey guidance

- 24.2.1 Disturbance monitoring methodologies are highly variable and often tailored to the location, target species and purpose of the study. The methods described below in Section 24.3 closely follow those used in a bird disturbance study in support of the Rushden East Sustainable Urban Extension (Amec Foster Wheeler, 2016)⁹⁹, a study which focused on disturbance at the Upper Nene Valley Gravel Pits SPA¹⁰⁰, a site with similar characteristics to the SWLW SPA and many of the same focal species.

24.3 Field surveys

Field survey scoping

- 24.3.1 Water bird disturbance monitoring was undertaken at the eight water bodies comprising the 'Wraysbury complex' of the South West London Waterbodies SPA and a selection of other water bodies (four in total) regularly experiencing overflight by aircraft.
- 24.3.2 These water bodies comprise a variety of man-made, concrete-sided reservoirs (such as Staines and Wraysbury Reservoirs), and water-filled gravel-pits and other man-made lakes. The gravel-pits and lakes are used for a variety of recreational

⁹⁹ Amec Foster Wheeler, Bird Disturbance Study Report 2015-16 – Rushden East Sustainable Urban Extension, 2016

¹⁰⁰ The methodology employed to investigate bird disturbance issues for the Rushden East Sustainable Urban Extension were agreed as suitable with Natural England.



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purposes, and experience varying degrees of human disturbance. As the reservoirs have limited or no public access they experience low levels of human disturbance. Extensive areas of scrub and trees surround many of the gravel-pits, most of which have been out of commercial use for aggregate extraction for more than 30 years.

24.3.3 The 12 water bodies monitored have been identified based on their SPA status, their proximity to, or position below the flightpath of overflying aircraft, and/or their importance as non-designated water bodies supporting important water bird populations.

24.3.4 The 12 water bodies were numbered and grouped (bold indicates an SPA waterbody) (see Figure 6.2.2) to enable survey effort to be carried out efficiently with each group being monitored on each survey visit by a single surveyor:

1. Group 1:
 - a. 5 Queen Mother Reservoir
 - b. 8 **Wraysbury Reservoir**
 - c. 21 **King George VI Reservoir**
2. Group 2:
 - a. 6 Kingsmead
 - b. 7 Horton (South)
 - c. 11 **Wraysbury II (South)**
3. Group 3:
 - a. 9 Wraysbury I (North)
 - b. 10 Wraysbury I (South)
 - c. 12 Wraysbury II (North)
4. Group 4:
 - a. 14 Colne Mere
 - b. 22 **Staines Reservoir (North)**
 - c. 23 **Staines Reservoir (South)**



Field survey methods

- 24.3.5 Surveyors undertook a two-hour monitoring survey at each of the assigned three water bodies on each survey visit. Two survey visits were undertaken each month from September 2016 until March 2017 inclusive (the survey period) and again during the same period in the winter of 2017/18, the main months when SPA species of water birds are known to be present at these water bodies.
- 24.3.6 At each waterbody, surveyors assessed the distribution of water birds present from one or more vantage points. Where water bodies were too large to view from a single point, surveyors selected an area of the waterbody upon which to focus survey effort. Where water birds were widespread at a waterbody, surveyors focused efforts on target species. Vantage points were selected where they provided optimal visibility, whilst limiting the possibility of surveyor disturbance to birds on the water.
- 24.3.7 At the start of each two-hour session, the observer undertook a full count of all target species present and recorded their distribution using a grid system on a tablet computer, taking a record of the number of each species and their behaviour. Each waterbody was divided into a series of 100 metre x 100 metre grid squares to enable accurate mapping. Repeat mapping effort was carried out half way through the 2-hour period and also at the end of the recording period to highlight any changes in distribution and numbers of water birds.

Identification of target species

- 24.3.8 Details of the qualifying features of the South West London Waterbodies SPA and Ramsar Site (of the same name) were obtained from the JNCC website¹⁰¹, as well as the component Sites of Special Scientific Interest (SSSI) from the Natural England website¹⁰².
- 24.3.9 This information was used to compile a list of target bird species on which the disturbance study focused. A total of 10 target species were identified as follows (BTO 1-2 letter species code¹⁰³ in parenthesis); comprising SPA/Ramsar qualifying interest species (in bold in the list below), as well as species identified as occurring at levels of national importance:
1. Gadwall (GA)
 2. Shoveler (SV)

¹⁰¹ JNCC <http://jncc.defra.gov.uk> (accessed 03 May 2018)

¹⁰² Natural England Designated Sites View <https://designatedsites.naturalengland.org.uk/> (accessed 03 May 2018)

¹⁰³ The British Trust for Ornithology (BTO) use a standard set of 1-2 letter codes to denote the species. These codes are used in their bird population monitoring surveys, such as the BTO/JNCC/RSPB Breeding Bird Survey (BBS), and the Wetland Bird Survey (WeBS).



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3. Tufted duck (TU)
4. Pochard (PO)
5. Goosander (GD)
6. Cormorant (CA)
7. Great crested grebe (GG)
8. Smew (SY)
9. Goldeneye (GN)
10. Black-necked grebe (BN).

Species recording hierarchy

24.3.10 Species were recorded and monitored using the following hierarchy:

1. SPA qualifying interest species: gadwall and shoveler
2. SSSI qualifying interest species or nationally important populations: tufted duck, pochard, goosander, cormorant, great crested grebe, smew, goldeneye and black-necked grebe
3. Any other waterbirds of conservation interest (i.e. species listed on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended), Species of Principal Importance following Section 41 of the Natural Environment and Rural Communities Act 2006 (NERC))
4. All other waterbirds.

Disturbance event type

24.3.11 The type of disturbance event was recorded using a coding system, noting the event type, and the number of individuals of that type. For example, W2 D3 denotes two walkers with 3 dogs together; J2 denotes two joggers together. The following main types of disturbance event were recorded:

1. A Aircraft
2. B Boat/waterborne vessel
3. C Cyclist
4. D Dog (on lead)
5. F fisherman (shoreline)
6. J Jogger/runner
7. O Dog (off lead)



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8. P Predator
9. V Vehicle (Car/4x4)
10. WWalker.

Disturbance category

- 24.3.12 Birds react to disturbance in different ways. They will often fly, walk or run away, all actions that have energetic consequences. They may also simply lift their heads and watch or become vigilant to potential danger. All of these behaviours interrupt the birds' feeding or rest. The responses to disturbance vary between species due to factors such as weather conditions, type of disturbance, the health and previous experiences of individual birds, and their ability to compensate for the disturbance (e.g. by feeding at night). Birds may also become 'used to' or habituated to disturbance events that are frequent and / or predictable. All target species within the study area showing a response to the disturbance event were recorded using a pre-defined category system to denote the level of disturbance observed, as follows:
1. 1 = no apparent disturbance response (change in behaviour) to the disturbance event
 2. 2 = low disturbance response: birds becoming alert and 'watching' the event
 3. 3 = low-moderate disturbance response: birds walk or swim away from the event
 4. 4 = moderate-major disturbance response: birds take a short flight (of less than 50m), or run away from the event
 5. 5 = major disturbance response: birds undertake an escape flight of greater than 50m away from the event.
- 24.3.13 All responses corresponding to categories 2-5 (inclusive) were recorded, together with the disturbance zone the birds were located in and number of individuals exhibiting that response category. Due to the wide range of target species often present on some of the water bodies at any one time, it was often not possible to record the numbers of every target species exhibiting no response (category 1) during every disturbance event. However, data collected during the target species' counts at the start of each 2-hour session provides information on the species present and their approximate numbers over the course of the session.

24.4 Survey outputs

- 24.4.1 The results of the survey programme were compared between years to identify any variations between years regarding disturbance levels or responses to



disturbance. Distribution mapping will be used to identify any changes in distribution in relation to disturbance events.



25. TERRESTRIAL INVERTEBRATE SURVEY METHODOLOGY AND PROGRAMME

25.1 Background

25.1.1 The terrestrial invertebrate survey was designed to identify the distribution and type of terrestrial invertebrates present in selected habitats within the study area. The following text outlines the proposed methodologies and programme for undertaking the terrestrial invertebrate survey with emphasis on any differences associated with land use category.

25.2 Survey guidance

25.2.1 The Natural England publication “Surveying terrestrial and freshwater invertebrates for conservation evaluation” (Drake *et al.*, 2007¹⁰⁴) provides a framework for invertebrate surveys in the UK. Further detailed methodology for individual survey types have been taken from the Handbook of Biodiversity Methods (Hill *et al.*, 2005¹⁰⁵). In the current absence of detailed guidance on the need and extent of invertebrate surveys for environmental practitioners¹⁰⁶, the draft methodology by Dobson (2011)¹⁰⁷ provides a standard for scoping invertebrate habitat potential. These guidelines have been taken into account when designing the survey methodology and programme of survey work.

25.3 Field surveys

Field survey scoping

25.3.1 The study area (access permitting) was subject to a rapid field scoping exercise to identify and map all areas of habitat with the potential to support important assemblages of terrestrial invertebrates. As well as a site visit, this initial assessment also drew upon a review of desk study data, aerial photography and the high-level Phase 1 Habitat Survey data undertaken in 2015. In addition, the results of the current Phase 1 Habitat Survey were used to help inform survey location selection.

¹⁰⁴ Drake, C.M., Lott, D.A., Alexander, K.N.A. & Webb J., Surveying terrestrial and freshwater invertebrates for conservation evaluation. Natural England Research Report NERR005, 2007

¹⁰⁵ Hill, D., Fasham, M., Tucker, G., Shewry, M., Shaw, P. Handbook of Biodiversity Methods. Cambridge University Press. United Kingdom, 2005

¹⁰⁶ CIEEM, Proposed New Guidance for Commissioning Terrestrial Invertebrate Surveys – A Call for Feedback. In Practice, 88: 43-46, 2015

¹⁰⁷ Dobson, J. R., A Methodology for the Rapid Preliminary Assessment of Invertebrate Habitat Quality Potential, in the course of Extended Phase I Habitat Survey. Unpublished Consultation Draft, 2011



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- 25.3.2 Habitat types and features of particular interest include, but are not limited to, the following:
1. Areas of early successional habitat
 2. Presence of flowering plant species
 3. Presence of deadwood, particularly if it is standing
 4. Areas of high structural diversity and the presence of ecoclines between differing microhabitats
 5. Marshy grassland
 6. Wetland
 7. Scrub
 8. Isolated mature trees.
- 25.3.3 The need for terrestrial invertebrate surveys were also considered necessary within parts of the study area supporting suitable habitat which fall within 2km of a location where historical records indicate the presence of protected invertebrate species. This includes those listed on Schedule 2 of the Conservation of Habitats and Species Regulations 2017, those listed under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and/ or invertebrate species included within the following:
1. Species of Principal Importance in England (Section 41 species protected through biodiversity policy¹⁰⁸)
 2. British Red Data Book: Insects¹⁰⁹ and British Red Data Book: Invertebrates other than insects¹¹⁰
 3. Nationally Scarce species i.e. those identified as Notable A (occurring in fewer than thirty 10km National Grid squares) and Notable B (those occurring in 100 or fewer 10km grid squares).
- 25.3.4 The requirement for surveys was based on an assessment of the species concerned and their dispersal capabilities along with the suitability of the habitat present within 2km of any records.

¹⁰⁸ Natural England, Department for Environment, Food & Rural Affairs 2015, Invertebrates: surveys and mitigation for development projects <https://www.gov.uk/guidance/protected-invertebrates-protection-surveys-and-licences> (accessed 03 May 2018)

¹⁰⁹ Shirt, D.B. (ed.), British Red Data Books: Insects. Nature Conservancy Council, Peterborough, 1987

¹¹⁰ Bratton, J.H., British Red Data Book: Invertebrates other than insects. JNCC, Peterborough, 1991



Field survey methods

- 25.3.5 At each site scoped in, a terrestrial invertebrate survey will be undertaken following the guidelines set out in Drake *et al.* (2007). It is recognised that study areas for invertebrates vary greatly, depending upon the habitats present and the associated species under consideration. Therefore, the survey techniques applied will be based upon relevant findings from biological records data in conjunction with an assessment of habitat types based upon the experience and knowledge of a suitably qualified and experienced terrestrial invertebrate surveyor. Further details on the methodologies listed below can be found in Hill *et al.* (2005) and Fry & Waring (1996)¹¹¹. These methods may include, but are not necessarily limited to, the following:
1. Ground searching – primarily for small ground-dwelling beetles, and other active invertebrates such as bugs, myriapods, snails
 2. Beating – for phytophagous, deadwood and epiphyte invertebrates
 3. Sweep-netting – for species that fly or occupy aerial vegetation
 4. Suction sampling – for invertebrates in low vegetation
 5. Pitfall traps – for active ground-dwelling invertebrates
 6. Larval or eggs counts – establish presence/absence of butterfly species (e.g. black or brown hairstreak)
 7. Transects – for highly visible flying invertebrates (e.g. butterflies, dragonflies and damselflies)
 8. Light trapping – for night-flying moths.
- 25.3.6 While the methodologies listed above are likely to enable an effective survey of the range of invertebrates expected to be found within the study area, this method statement is viewed as a working document, with scope for further methodologies to be added as greater knowledge of the local invertebrate communities is gained.
- 25.3.7 All surveys will be undertaken as per guidelines provided by the Joint Committee for Conservation of British Insects in “A code of conduct for collecting insects and other invertebrates”¹¹².

¹¹¹ Fry, R. & Waring, P., A guide to moth traps and their use. Amateur Entomologist Volume 24. Manningtree, Essex, 1996

¹¹² Joint Committee for Conservation of British Insects, A Code of Conduct for Collecting Insects and Other Invertebrates. British Journal of Entomology and Natural History 15(1), 1-6, 2002



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25.4 Programme of surveys

- 25.4.1 The programme for completing terrestrial invertebrate survey work is set out in Table 6.1.36. While most important invertebrate species are likely to be visible from May until September (Drake *et al.*, 2007), there is a large variation in the annual life cycle of British invertebrates, with different species detectable at different times of the year. As a result, several visits are required to ensure that all taxa are sufficiently recorded.
- 25.4.2 Where surveys are required, five sample sessions at approximately four- to six-week intervals between mid-April and late October are appropriate for terrestrial habitats. However, the efficacy of invertebrate surveying is highly dependent on the weather and therefore exact scheduling targets warm, sunny conditions with low wind, so that as many invertebrate species as possible are can be readily observed. Additionally, the number, timing and required conditions of visits are dependent on the habitats to be surveyed and the taxa under consideration. For example, surveys for butterflies are generally to be based upon the establishment of transect walks that are surveyed a minimum of three times in the same season (May, June, July) in specific weather conditions.
- 25.4.3 Surveys were started in the 2017 season and will be completed in 2018. Due areas of delayed access, the survey programme includes a full survey compliment during the 2018 season.

Table 6.1.36 Programme of terrestrial invertebrate survey work

Task	Timing
Initial habitat scoping	August 2017
Full survey: sample 1	August 2017
Full survey: sample 2	September 2017
Full survey: sample 3	April 2018
Full survey: sample 4	Late May 2018
Full survey: sample 5	Late June/Early July 2018
Full survey: sites to be completed	April-October 2018



26. DITCH HABITAT SURVEY METHODOLOGY AND PROGRAMME

26.1 Background

- 26.1.1 The Ditch Habitat Survey is designed to identify and classify the ditch habitats according to their distinctiveness and condition to provide the necessary data to feed in to the use of a biodiversity offsetting metric (refer to **Appendix 6.3: Biodiversity offsetting strategy**).
- 26.1.2 The following text outlines the proposed methodologies and programme for undertaking the Ditch Habitat Survey. Further information on where the general methodologies have been amended to reflect local conditions will be added as and when required following initial survey visits.

26.2 Survey guidance

- 26.2.1 All ditches will be assessed using a bespoke methodology based on the guidance within the Farm Environment Plan¹¹³.

26.3 Field surveys

Field survey scoping

Ditch Habitat Surveys will be undertaken across the study area. The ditches to be subject to this survey will be selected using information from Phase 1 Habitat Surveys conducted in 2017 and 2018. The Phase 1 Habitat Survey Method Statement is presented within Section 3 of this document. Dry ditches (those of “low” distinctiveness in

¹¹³Natural England, Farm Environment Plan (FEP) Manual; Higher Level Stewardship, Third Edition. Section 2 – F02, 2010



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26.3.1 Table 6.1.37) will not require a Ditch Habitat Survey as they will automatically be allocated a 'low' condition score. All other ditches will be surveyed using the methodology described in paragraphs 26.3.2- 22.3.8.

Field survey methods

26.3.2 Field surveys are to be conducted by suitably qualified and experienced ecologists during June – August 2018 as this is the optimum period for surveying wetland plant species.

26.3.3 Each ditch will be surveyed by walking its entire length. The following features will be recorded;

1. Number of Wetland Indicator Species (WIS) per 20m (as identified within Annex E) and their relative abundance using the DAFOR scale (dominant, abundant, frequent, occasional, or rare)
2. Average water level (cm)
3. Average algal cover (%)
4. Combined coverage of common duckweed *Lemna minor*, fennel pondweed *Potamogeton pectinatus* and yellow water-lily *Nuphar lutea* (%)
5. Presence and coverage of invasive species (Schedule 9 of the Wildlife and Countryside Act 1981, as amended)
6. Shading of the channel (%)
7. Average bank slope (%).

26.3.4 Wetland plants will be recorded, but there will be no attempt to compile an exhaustive list of all species present in the ditch. Surveyors will look for signs of species that are protected under the Wildlife and Countryside Act 1981 (as amended). However, this will not be the primary purpose of this survey, which is to identify and classify the ditch habitats according to their distinctiveness and condition.

26.3.5 Ditches will be recorded as separate features wherever multiple ditches diverge or converge, there is a significant change in the physical conditions (e.g. water level, bank slope), or a dry section greater than 10m is observed. Most of the features listed below will be recorded across the full length of the ditch, with the exception of the number WIS, which will be recorded over a 20m section. Where ditches are less than 50m long, a central 20m section will be used to record the WIS. For ditches longer than 50m, an additional 20m section will be surveyed for every 50m and the WIS indicator score averaged.

The information collected will be used to attribute a 'distinctiveness' rating to the ditch based upon the criteria listed within



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26.3.6 Table 6.1.37 below. These criteria are derived from the Farm Environment Plan (FEP)¹¹⁴:

¹¹⁴ Natural England, Farm Environment Plan (FEP) Manual. Higher Level Stewardship, Third Edition. Section 2 – F02, 2010



Table 6.1.37 Ditch habitat distinctiveness criteria

Ditch distinctiveness bands	Ditch habitat distinctiveness criteria
High	Ditches which contain more than ten submerged, floating or emergent native aquatic plant species per 20 m stretch as identified within Annex E.
Moderate	Ditches which regularly contain standing or flowing water and support 10 or fewer WIS (Annex E) per 20m stretch, but more than the minimum number and abundance, as per the thresholds below: Three WIS species that are 'occasional', 'frequent', 'abundant' or 'dominant' on the DAFOR scale Two WIS species that are 'frequent', abundant' or 'dominant' One WIS species that is 'abundant' or 'dominant'.
Low	Dry ditches, or ditches which infrequently contain standing or flowing water (e.g. during heavy rain only). These are ditches that support no WIS or they support up to two WIS below the abundance thresholds mentioned above.

26.3.7 Once the habitat distinctiveness has been identified, the condition of the ditch will be assessed. A condition rating of 'good', 'moderate' or 'poor' will be assigned based upon how many of the habitat condition criteria listed below are met, as is identified within Table 6.1.38. 'Low' distinctiveness ditches will automatically be assigned 'poor' condition, without the need to use the habitat condition criteria below.

26.3.8 The ditch habitat condition criteria are:

1. The ditch contains more than ten submerged, floating or emergent native WIS per 20m section (as listed in Annex E)
2. Water levels in the ditch must be no more than 45 cm below the mean field level and the water must have a minimum depth of 30 cm throughout the year
3. Cover of macro-algae is less than 30% in the summer
4. The following species together make up less than 75% of the vegetation cover: common duckweed, fennel pondweed and yellow water-lily
5. The following non-native and invasive species make up less than 10% of the vegetation cover: New Zealand pygmyweed *Crassula helmsii*, floating pennywort *Hydrocotyle ranunculoides*, waterfern *Azolla filiculoides* and parrot's feather *Myriophyllum aquaticum*
6. Less than 20% of the ditch is in heavy shade (unless the ditch is adjacent to a hedge or within a woodland) and more than 25% has a gently sloping profile or berms and shelves.



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Table 6.1.38 Ditch condition bands

Condition band	No of ditch habitat condition criteria not met
Good	None
Moderate	One
Poor	Two or more

26.3.9 Habitat distinctiveness and condition ratings will be used to inform the calculations using the formulas described within the Biodiversity Net Gain Strategy¹¹⁵.

26.4 Programme of surveys

26.4.1 The proposed programme for completing the Ditch Habitat Survey is set out in Table 6.1.39.

26.4.2 This method will require full access to all areas containing ditches that regularly support standing or flowing water within the ditch.

Table 6.1.39 Proposed programme of ditch assessments

Task	Timing
Ditch habitat survey	June - August 2018
Ditch habitat survey	June - August 2019 (only if required)

¹¹⁵ Heathrow Airport Limited (2018). Delivering Biodiversity Net Gain for the Heathrow Expansion Project. Approach to the calculation of biodiversity losses and gains.

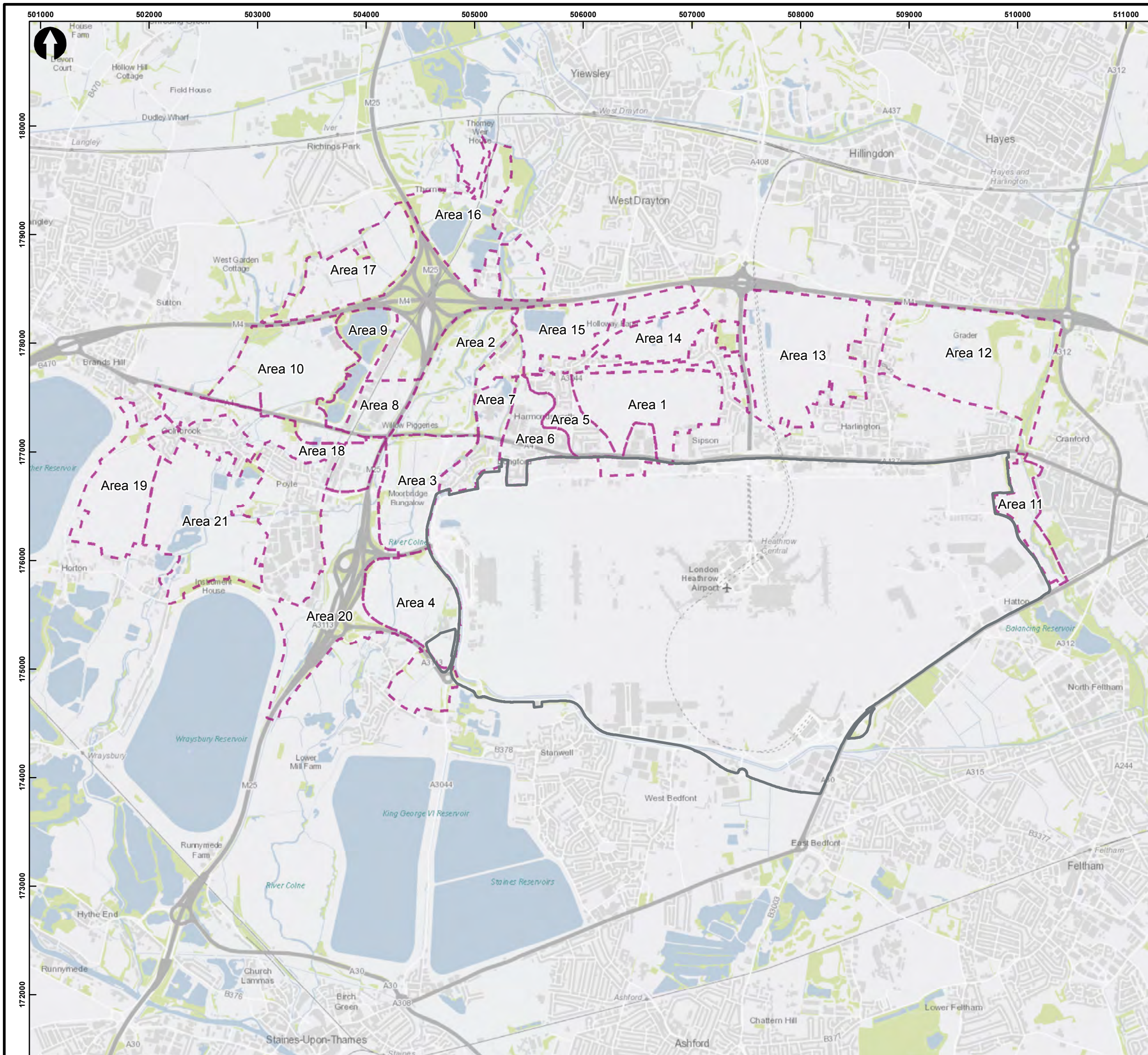


27. FIGURES



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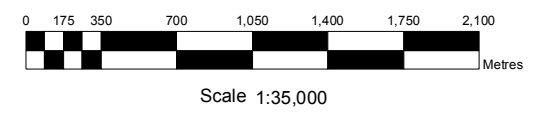


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-  Heathrow Planning Boundary
-  Biodiversity baseline data collection area

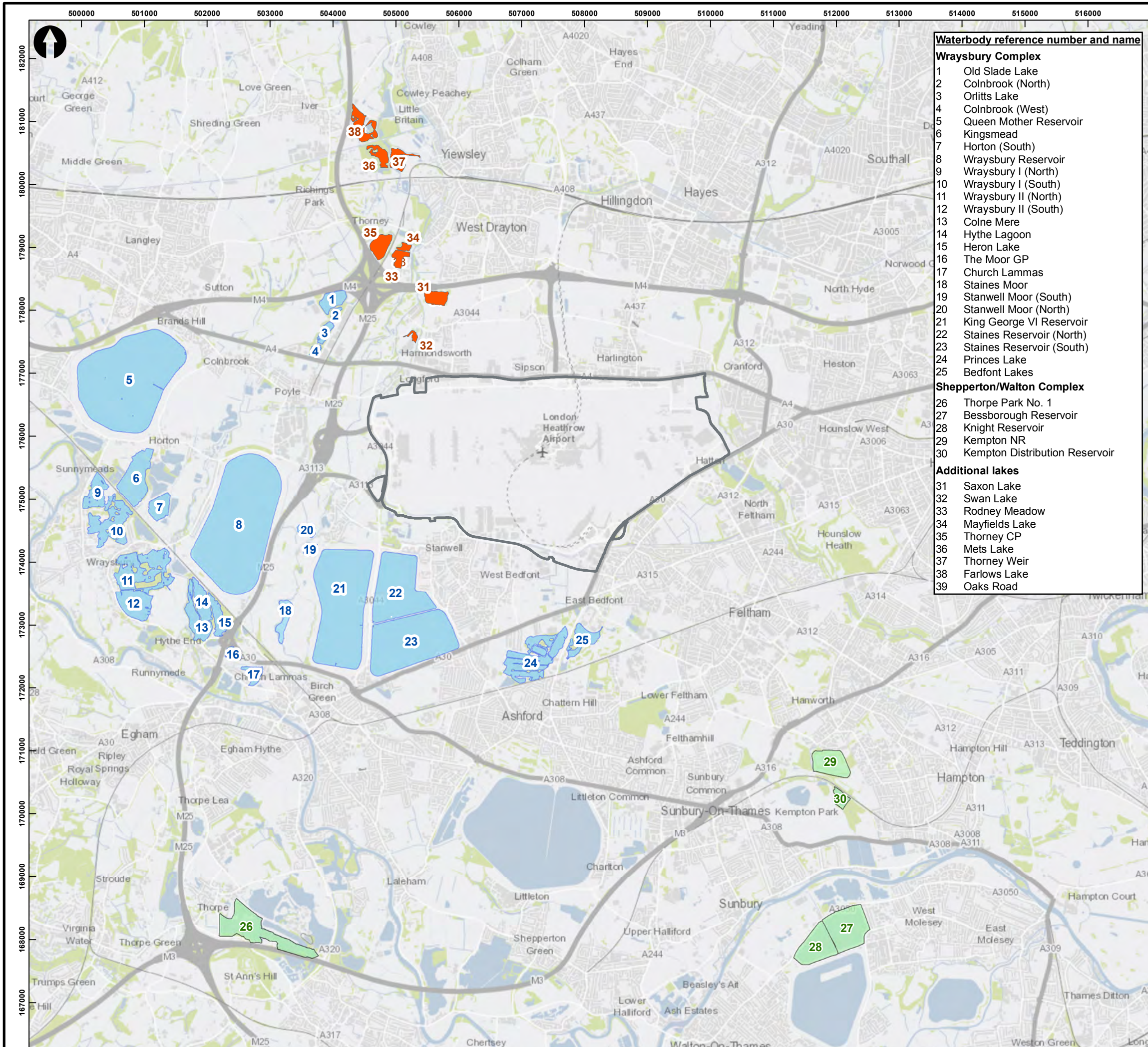


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 6.1.1: Biodiversity baseline data collection area

Company Wood	Drawn By GRES	Chk/Approved KIRBA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000103				Version 1.0

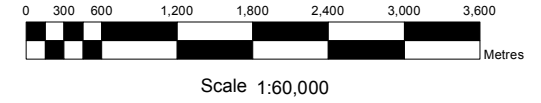


Waterbody reference number and name

- Wraysbury Complex**
- 1 Old Slade Lake
 - 2 Colnbrook (North)
 - 3 Orlitts Lake
 - 4 Colnbrook (West)
 - 5 Queen Mother Reservoir
 - 6 Kingsmead
 - 7 Horton (South)
 - 8 Wraysbury Reservoir
 - 9 Wraysbury I (North)
 - 10 Wraysbury I (South)
 - 11 Wraysbury II (North)
 - 12 Wraysbury II (South)
 - 13 Colne Mere
 - 14 Hythe Lagoon
 - 15 Heron Lake
 - 16 The Moor GP
 - 17 Church Lamas
 - 18 Staines Moor
 - 19 Stanwell Moor (South)
 - 20 Stanwell Moor (North)
 - 21 King George VI Reservoir
 - 22 Staines Reservoir (North)
 - 23 Staines Reservoir (South)
 - 24 Princes Lake
 - 25 Bedfont Lakes
- Shepperton/Walton Complex**
- 26 Thorpe Park No. 1
 - 27 Bessborough Reservoir
 - 28 Knight Reservoir
 - 29 Kempton NR
 - 30 Kempton Distribution Reservoir
- Additional lakes**
- 31 Saxon Lake
 - 32 Swan Lake
 - 33 Rodney Meadow
 - 34 Mayfields Lake
 - 35 Thorney CP
 - 36 Mets Lake
 - 37 Thorney Weir
 - 38 Farlows Lake
 - 39 Oaks Road

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- Heathrow Planning Boundary
- Survey area (North)
- Survey area (South)
- Additional waterbodies



Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 6.1.2: Bird survey waterbodies

Company Wood	Drawn By GREES	Chk/Approved KIRBA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000104				Version 1.0



28. ANNEX A

HEDGEROWS REGULATIONS SPECIES TABLES



Table A1 Woody species listed in The Hedgerows Regulations 1997 Annex B

Spp code	Scientific name	English name	Spp code	Scientific name	English name	Spp code
Ac	<i>Acer campestre</i>	Field Maple	Pa	<i>Prunus avium</i>	Wild Cherry	Ac
Ag	<i>Alnus glutinosa</i>	Alder	Pp	<i>Prunus padus</i>	Bird Cherry	Ag
Bpe	<i>Betula pendula</i>	Silver Birch	Ps	<i>Prunus spinosa</i>	Blackthorn	Bpe
Bpu	<i>Betula pubescens</i>	Downy Birch	Pyc	<i>Pyrus communis</i>	Pear	Bpu
Bxs	<i>Buxus sempervirens</i>	Box	Qp	<i>Quercus petraea</i>	Sessile Oak	Bxs
Cb	<i>Carpinus betulus</i>	Hornbeam	Qr	<i>Quercus robur</i>	Pedunculate Oak	Cb
Cos	<i>Cornus sanguinea</i>	Dogwood	Rc	<i>Rhamnus catharticus</i>	Buckthorn	Cos
Ca	<i>Corylus avellana</i>	Hazel	Ruv	<i>Ribes uva-crispa</i>	Gooseberry	Ca
Cla	<i>Crataegus laevigata</i>	Midland Hawthorn	Ros	<i>Rosa sp(p)</i>	Rose	Cla
Cm	<i>Crataegus monogyna</i>	Hawthorn	Rac	<i>Ruscus aculeatus</i>	Butcher's-broom	Cm
Cys	<i>Cytisus scoparius</i>	Broom	Sx	<i>Salix sp(p)</i>	Willow	Cys
DI	<i>Daphne laureola</i>	Spurge-laurel	Sxv	<i>Salix viminalis</i>	Osier	DI
Ee	<i>Euonymus europaeus</i>	Spindle	Sn	<i>Sambucus nigra</i>	Elder	Ee
Fs	<i>Fagus sylvatica</i>	Beech	Sac	<i>Sorbus aucuparia</i>	Rowan	Fs
Fa	<i>Frangula alnus</i>	Alder Buckthorn	Sor	<i>Sorbus sp(p)</i>	Whitebeam	Fa
Fe	<i>Fraxinus excelsior</i>	Ash	Sot	<i>Sorbus torminalis</i>	Wild Service-tree	Fe
Hr	<i>Hippophae rhamnoides</i>	Sea-buckthorn	Tb	<i>Taxus baccata</i>	Yew	Hr
la	<i>Ilex aquifolium</i>	Holly	Tic	<i>Tilia cordata</i>	Small-leaved Lime	la
Jr	<i>Juglans regia</i>	Walnut	Tip	<i>Tilia platyphyllos</i>	Large-leaved Lime	Jr
Jc	<i>Juniperus communis</i>	Common Juniper	Ue	<i>Ulex europaeus</i>	Gorse	Jc

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Spp code	Scientific name	English name	Spp code	Scientific name	English name	Spp code
Liv	<i>Ligustrum vulgare</i>	Wild Privet	Ug	<i>Ulex gallii</i>	Western Gorse	Liv
Ms	<i>Malus sylvestris</i>	Crab Apple	Umi	<i>Ulex minor</i>	Dwarf Gorse	Ms
Pal	<i>Populus alba</i>	White Poplar	Um	<i>Ulmus</i> sp(p)	Elm	Pal
Pn	<i>Populus nigra</i> sub-species <i>betulifolia</i>	Black-poplar	VI	<i>Viburnum lantana</i>	Wayfaring-tree	Pn
Pot	<i>Populus tremula</i>	Aspen	Vop	<i>Viburnum opulus</i>	Guelder Rose	Pot
Pcan	<i>Populus x canescens</i>	Grey Poplar				Pcan

Source: Hedgerows Regulations 1997



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Table A2 Valuable woodland ground flora species in The Hedgerows Regulations 1997 Annex B

Species Code	Scientific Name	Common Name
Amos	<i>Adoxa mochatellina</i>	Moschatel
Ajr	<i>Ajuga reptans</i>	Bugle
Alu	<i>Allium ursinum</i>	Ramsons
An	<i>Anemone nemorosa</i>	Wood Anemone
Amac	<i>Arum maculatum</i>	Lord's-and-Ladies
Aff	<i>Athyrium filix-femina</i>	Lady-fern
Bsp	<i>Blechnum spicant</i>	Hard-fern
Bs	<i>Brachypodium sylvaticum</i>	False Brome
Bram	<i>Bromopsis ramosa</i>	Hairy Brome
Clat	<i>Campanula latifolia</i>	Giant Bellflower
Ctra	<i>Campanula trachelium</i>	Nettle-leaved Bellflower
Cxsy	<i>Carex sylvatica</i>	Wood Sedge
Cl	<i>Circaea lutetiana</i>	Enchanter's Nightshade
Cmaj	<i>Conopodium majus</i>	Pignut
Daff	<i>Dryopteris affinis</i>	Scaly Male-fern
Dcar	<i>Dryopteris carthusiana</i>	Narrow Buckler-fern
Dfm	<i>Dryopteris filix-mas</i>	Male-fern
Ehel	<i>Epipactis helleborine</i>	Broad-leaved Helleborine
Esyl	<i>Equisetum sylvaticum</i>	Wood Horsetail
Eamy	<i>Euphorbia amygdaloides</i>	Wood Spurge
Fgig	<i>Festuca gigantea</i>	Giant Fescue
Fv	<i>Fragaria vesca</i>	Wild Strawberry
Godo	<i>Galium odoratum</i>	Woodruff
Gsx	<i>Galium saxatile</i>	Heath Bedstraw
Gro	<i>Geranium robertianum</i>	Herb-Robert
Gu	<i>Geum urbanum</i>	Wood Avens
Hn	<i>Hyacinthoides non-scripta</i>	Bluebell
Lgal	<i>Lamium galeobdolon</i>	Yellow Archangel
Lsqu	<i>Lathraea squamaria</i>	Toothwort
Ls	<i>Luzula sylvatica</i>	Greater Wood-rush
Lnem	<i>Lysimachia nemorum</i>	Yellow Pimpernel
Mpra	<i>Melampyrum pratense</i>	Common Cow-wheat
Msyl	<i>Melampyrum sylvaticum</i>	Small Cow-wheat
Muni	<i>Melica uniflora</i>	Wood Melick
Mp	<i>Mercurialis perennis</i>	Dog's Mercury
Meff	<i>Milium effusum</i>	Wood Millet
Omas	<i>Orchis mascula</i>	Early-purple Orchid
Oxa	<i>Oxalis acetosella</i>	Wood Sorrel



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Species Code	Scientific Name	Common Name
Pqua	<i>Paris quadrifolia</i>	Herb Paris
Psco	<i>Phyllitis scolopendrium</i>	Hart's-tongue
Pnem	<i>Poa nemoralis</i>	Wood Meadow-grass
Pvul	<i>Polypodium vulgare</i>	Polypody
Pacu	<i>Polystichum aculeatum</i>	Hard Shield-fern
Pset	<i>Polystichum setiferum</i>	Soft Shield-fern
Pere	<i>Potentilla erecta</i>	Tormentil
Pste	<i>Potentilla sterilis</i>	Barren Strawberry
Pela	<i>Primula elatior</i>	Oxlip
Pvul	<i>Primula vulgaris</i>	Primrose
Raur	<i>Ranunculus auricomus</i>	Goldilocks Buttercup
Sne	<i>Sanicula europaea</i>	Sanicle
Tsn	<i>Teucrium scorodonia</i>	Wood Sage
Vmon	<i>Veronica montana</i>	Wood Speedwell
Vodo	<i>Viola odorata</i>	Sweet Violet
Vrei	<i>Viola reichenbachiana</i>	Early Dog-violet
Vriv	<i>Viola riviniana</i>	Common Dog-violet

Source: Hedgerows Regulations 1997



29. ANNEX B

RIVER CORRIDOR SURVEY REPRESENTATIVE CROSS SECTION PHOTOGRAPHS



Graphic B1 Representative photo of the River Colne and service crossing



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Graphic B2 Representative cross-section photo of the River Colne





30. ANNEX C

eDNA COLLECTION METHODOLOGY



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Step 1

Identify where 20 samples will be taken from the pond. The location of sub-samples should be spaced as evenly as possible around the pond margin, and if possible targeted to areas where there is vegetation which may be being used as egg laying substrate and open water areas which newts may be using for displaying.

Step 2

Open the sterile Whirl-Pak bag by tearing off the clear plastic strip 1cm from the top (along the perforated line), then pulling the tabs. The bag will stand-up by itself.

Step 3

Collect 20 samples of 30 mL of pond water from around the pond (see 1 above) using the ladle (fill the ladle) and empty each sample into the Whirl-Pak bag. At the end the Whirl-Pak bag should be just under half full (600 mL).

NOTE: Before each ladle sample is taken, the pond water column should be mixed by gently using the ladle to stir the water from the surface to close to the pond bottom without disturbing the sediment on the bed of the pond. It is advisable not to sample very shallow water (less than 5-10 cm deep).

Step 4

Once 20 samples have been taken, close the bag securely using the top tabs and shake the Whirl-Pak bag for 10 seconds. This mixes any DNA across the whole water sample.

Step 5

Put on a new pair of gloves to keep the next stage as uncontaminated as possible.

Step 6

Using the clear plastic pipette provided take c15 mL of water from the Whirl-Pak bag and pipette into a sterile tube containing 35 mL of ethanol to preserve the eDNA sample (i.e. fill tube to the 50 mL mark). Close the tube ensuring the cap is tight.

Step 7

Shake the tube vigorously for 10 seconds to mix the sample and preservative. This is essential to prevent DNA degradation. Repeat for each of the 6 conical tubes in the kit. Before taking each sample, stir the water in the bag to homogenize the sample - this is because the DNA will constantly sink to the bottom.

Step 8

Empty the remaining water from the Whirl-Pak bag back into the pond.

Step 9

The box of preserved sub-samples is then returned at ambient temperature immediately for analysis. If batches of samples are collected and stored prior to analysis they should be refrigerated at 2-4° C. Kits can be stored for up to one month in a refrigerator before analysis. It is not necessary to freeze samples. Freezing may damage storage bottles, which can lead to leaking



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during transit, and unnecessarily increases costs by requiring refrigerated transport. The length of time eDNA samples are stored in a refrigerator prior to analysis should be recorded and passed on to the analysing laboratory. Use an appropriate labelling system to ensure that the kits are supplied with a unique reference number.



31. ANNEX D

DESIGNATED AREA INFORMATION



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South West London Waterbodies Special Protection Area (SWLW SPA)

The South West London Waterbodies SPA (covering 828ha) comprises a series of embanked water supply reservoirs and former gravel pits that support a range of man-made and semi-natural open water habitats. The reservoirs and gravel pits provide important feeding and roosting sites for wintering wildfowl, in particular gadwall and shoveler, both of which occur in numbers of European importance, as follows:

This site qualifies under Article 4.2 of the Directive (79/409/EEC) by supporting populations of European importance of the following migratory species over winter:

1. Gadwall: 786 individuals representing at least 2.6% of the wintering North-western Europe population (five-year peak mean 1991/2 - 1995/6); and
2. Shoveler: 1,075 individuals representing at least 2.7% of the wintering North-western/Central Europe population (five-year peak mean 1991/2 - 1995/6).

South West London Waterbodies Ramsar Site

The South West London Waterbodies Ramsar Site shares common boundaries with the SWLW SPA. The Ramsar Site qualifies under Ramsar Criterion 6 for supporting internationally important numbers of gadwall and shoveler. In addition, other 'Noteworthy Fauna' listed in the Ramsar site description includes nationally important numbers of the following species:

During spring/autumn:

1. Great crested grebe: 318 individuals, representing an average of 2% of the GB population (five-year peak mean 1998/9-2002/3);
2. Cormorant: 318 individuals, representing an average of 1.3% of the GB population (five-year peak mean 1998/9-2002/3); and
3. Tufted duck: 2,731 individuals, representing an average of 3% of the GB population (five-year peak mean 1998/9-2002/3).

During winter:

1. Black-necked grebe: 2 individuals, representing an average of 1.6% of the GB population (five-year peak mean 1998/9-2002/3); and
2. Smew: 29 individuals, representing an average of 7.8% of the GB population (five-year peak mean 1998/9-2002/3).

Kempton Park Reservoirs SSSI

The SSSI (covering 25ha) is notified for its nationally important wintering population of gadwall and comprises the Kempton Park Distribution Reservoir (a concrete-sided reservoir), and the Kempton Park Nature Reserve (an area of shallow lake, with



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surrounding scrub and wetland vegetation managed for wildlife by Thames Water). Both areas (200m distant from each other) have no, or very limited access by the public, and form part of the Shepperton/ Walton-on-Thames complex of water bodies.

Knight and Bessborough Reservoirs SSSI

The SSSI (covering 63ha) comprises two adjoining concrete-sided reservoirs that are notified for their nationally important wintering population of shoveler. Both areas have no public access, and form part of the Shepperton/ Walton-on-Thames complex of water bodies.

Staines Moor SSSI

Notified features of the SSSI include wintering populations of shoveler, pochard, tufted duck and goosander. The SSSI (which covers 511ha) chiefly consists of Staines Moor (a semi-natural stretch of the River Colne which flows through it), and three adjacent reservoirs (Staines North and South, and King George VI). Staines Moor represents the largest area of alluvial meadows in Surrey and supports a rich flora, while the reservoirs hold nationally important populations of wintering tufted duck, pochard and goosander, and internationally important numbers of shoveler. Other birds which winter on the reservoirs in large numbers include: wigeon, teal, goldeneye and great crested grebe.

Thorpe Park No.1 Gravel Pit SSSI

The SSSI (covering 43ha) comprises a single disused gravel pit (currently used for water-ski-ing), that is notified for its nationally important wintering population of gadwall. The area has limited public access, and forms part of the Shepperton/ Walton-on-Thames complex of water bodies.

Wraysbury and Hythe End Gravel Pits SSSI

Notified features of the SSSI include wintering populations of gadwall, tufted duck and goosander. The SSSI (which covers 117ha) comprise a mosaic of open water, islands, grassland, scrub and woodland within an area of former gravel extraction. The SSSI supports nationally important numbers of three species of wintering wildfowl (gadwall, tufted duck and goosander) and holds a significant proportion of the UK population of smew. As well as being used for feeding and roosting, the SSSI is also an important sheltered refuge, particularly for diving duck, within the complex of adjoining larger pits and reservoirs. Other species which frequent the SSSI include: pochard, goldeneye, wigeon and mandarin duck. The range of habitats supports an important assemblage of breeding bird species typical of lowland open waters and their margins, including: shelduck, pochard, redshank, kingfisher, grasshopper warbler and reed warbler.



Wraysbury Gravel Pit No. 1 SSSI

Notified features of the SSSI include a wintering population of gadwall. The SSSI (covering 58ha) supports nationally important numbers of wintering gadwall, and shoveler, goldeneye and smew are regular winter visitors in small but significant numbers. The SSSI is also locally important for other wintering bird species including great crested grebe, cormorant, pochard, tufted duck and coot. The pit was excavated in the 1950s and is now almost fully mature, with most of the lake margins dominated by trees and scrub. The woodland and scrub surrounding the gravel pits support a range of woodland birds including hobby, garden warbler, tree creeper and great spotted woodpecker.

Wraysbury Reservoir SSSI

Notified features of the SSSI (covering 205ha) include nationally important wintering populations of shoveler, cormorant and great crested grebe. There is no public access to this reservoir.



32. ANNEX E

NATIVE WETLAND PLANT LIST ¹¹⁶

¹¹⁶ Adapted from Buglife, (2013), A manual for the survey and evaluation of the aquatic plant and invertebrate assemblages of grazing marsh ditch systems, version 6.



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Biodiversity Method Statements

Table E1 Native Wetland Plant List

Latin names	Common Names	Latin names	Common Names
<i>Alisma lanceolatum</i>	Narrow-leaved water-plantain	<i>Nitella flexilis</i>	Smooth stonewort
<i>Alisma plantago-aquatica</i>	Water-plantain	<i>Nitella mucronata</i>	Pointed stonewort
<i>Apium inundatum</i>	Lesser marshwort	<i>Nitella opaca</i>	Dark stonewort
<i>Apium nodiflorum</i>	Fool's water-cress	<i>Nitella translucens</i>	Translucent stonewort
<i>Baldellia ranunculoides</i>	Lesser water-plantain	<i>Nitellopsis obtusa</i>	Starry stonewort
<i>Berula erecta</i>	Narrow-leaved water-parsnip	<i>Nuphar lutea</i>	Yellow water-lily
<i>Bolboschoenus laticarpus</i>	A club-rush	<i>Nymphaea alba</i>	White water-lily
<i>Bolboschoenus maritimus</i>	Sea club-rush	<i>Nymphoides peltata</i>	Fringed water-lily
<i>Butomus umbellatus</i>	Flowering rush	<i>Oenanthe aquatica</i>	Fine-leaved water-dropwort
<i>Callitriche brutia</i>	Pedunculate water-starwort	<i>Oenanthe crocata</i>	Hemlock water-dropwort
<i>Callitriche hamulata</i>	Intermediate water-starwort	<i>Oenanthe fistulosa</i>	Tubular water-dropwort
<i>Callitriche obtusangula</i>	Blunt-fruited water-starwort	<i>Oenanthe fluviatilis</i>	River water-dropwort
<i>Callitriche platycarpa</i>	Various-leaved water-starwort	<i>Persicaria amphibia</i>	Amphibious bistort
<i>Callitriche stagnalis</i>	Common water-starwort	<i>Phalaris arundinacea</i>	Reed canary-grass
<i>Callitriche truncata</i>	Short-leaved water-starwort	<i>Phragmites australis</i>	Common reed
<i>Carex acuta</i>	Slender-tufted sedge	<i>Pilularia globulifera</i>	Pillwort
<i>Carex acutiformis</i>	Lesser pond-sedge	<i>Potamogeton acutifolius</i>	Sharp-leaved pondweed
<i>Carex elata</i>	Tufted sedge	<i>Potamogeton alpinus</i>	Red pondweed
<i>Carex paniculata</i>	Greater tussock-sedge	<i>Potamogeton berchtoldii</i>	Small pondweed
<i>Carex pendula</i>	Pendulous sedge	<i>Potamogeton coloratus</i>	Fen pondweed
<i>Carex pseudocyperus</i>	Cyperus sedge	<i>Potamogeton compressus</i>	Grass-wrack pondweed
<i>Carex riparia</i>	Great pond-sedge	<i>Potamogeton crispus</i>	Curled pondweed
<i>Carex rostrata</i>	Bottle sedge	<i>Potamogeton friesii</i>	Flat-stalked pondweed
<i>Carex vesicaria</i>	Bladder sedge	<i>Potamogeton gramineus</i>	Various-leaved pondweed
<i>Catabrosa aquatica</i>	Whorl-grass	<i>Potamogeton lucens</i>	Shining pondweed
<i>Ceratophyllum demersum</i>	Hornwort	<i>Potamogeton natans</i>	Broad-leaved pondweed
<i>Ceratophyllum submersum</i>	Soft hornwort	<i>Potamogeton obtusifolius</i>	Blunt-leaved pondweed
<i>Chara aculeolata</i>	Hedgehog stonewort	<i>Potamogeton pectinatus</i>	Fennelpondweed



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Latin names	Common Names
<i>Chara aspera</i>	Rough stonewort
<i>Chara contraria</i>	Opposite stonewort
<i>Chara curta</i>	Lesser bearded stonewort
<i>Chara globularis</i>	Fragile stonewort
<i>Chara hispida</i>	Bristly stonewort
<i>Chara intermedia</i>	Intermediate stonewort
<i>Chara virgata</i>	Delicate stonewort
<i>Chara vulgaris</i>	Common stonewort
<i>Cladium mariscus</i>	Great fen-sedge
<i>Eleocharis acicularis</i>	Needle spike-rush
<i>Eleocharis palustris</i>	Common spike-rush
<i>Eleogiton fluitans</i>	Floating club-rush
<i>Enteromorpha sp.</i>	Gutweed
<i>Epilobium hirsutum</i>	Great willowherb
<i>Equisetum fluviatile</i>	Water horsetail
<i>Filamentous algae</i>	Blanket weed
<i>Fontinalis antipyretica</i>	Willow moss
<i>Glyceria declinata</i>	Small sweet-grass
<i>Glyceria fluitans</i>	Flote-grass
<i>Glyceria maxima</i>	Reed sweet-grass
<i>Glyceria notata</i>	Plicate sweet-grass
<i>Glyceria x pedicellata</i>	<i>Glyceria fluitans</i> x <i>G. notata</i>
<i>Groenlandia densa</i>	Opposite-leaved pondweed
<i>Hippuris vulgaris</i>	Mare's tail
<i>Hottonia palustris</i>	Water violet
<i>Hydrocharis morsus-ranae</i>	Frogbit
<i>Hydrocotyle vulgaris</i>	Marsh pennywort
<i>Iris foetidissima</i>	Stinking iris
<i>Iris pseudacorus</i>	Yellow flag

Latin names	Common Names
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed
<i>Potamogeton polygonifolius</i>	Bog pondweed
<i>Potamogeton praelongus</i>	Long-stalked pondweed
<i>Potamogeton pusillus</i>	Lesser pondweed
<i>Potamogeton trichoides</i>	Hairlike pondweed
<i>Potamogeton x zizii</i>	<i>P. gramineus</i> x <i>P. lucens</i>
<i>Potentilla palustris</i>	Marsh cinquefoil
<i>Ranunculus aquatilis</i>	Common water-crowfoot
<i>Ranunculus baudotii</i>	Brackish water-crowfoot
<i>Ranunculus circinatus</i>	Fan-leaved water-crowfoot
<i>Ranunculus flammula</i>	Lesser spearwort
<i>Ranunculus hederaceus</i>	Ivy-leaved crowfoot
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot
<i>Ranunculus peltatus</i>	Pond water-crowfoot
<i>Ranunculus penicillatus subsp.</i>	Stream water-crowfoot
<i>Ranunculus sceleratus</i>	Celery-leaved buttercup
<i>Ranunculus trichophyllus</i>	Thread-leaved w-crowfoot
<i>Ranunculus tripartitus</i>	Three-lobed crowfoot
<i>Riccia fluitans</i>	Floating crystalwort
<i>Ricciocarpos natans</i>	Fringed heartwort
<i>Rorippa amphibia</i>	Great yellow-cress
<i>Rorippa microphylla</i>	Narrow-fruited water-cress
<i>Rorippa nasturtium-aquaticum</i>	Water-cress
<i>Rorippa x sterilis</i>	<i>Rorippa nasturtium-aquaticum</i> R. <i>microphylla</i>
<i>Rumex hydrolapathum</i>	Great water-dock
<i>Rumex palustris</i>	Marsh dock
<i>Sagittaria sagittifolia</i>	Arrow-head
<i>Schoenoplectus lacustris</i>	Common bulrush
<i>Schoenoplectus tabernaemontani</i>	Grey bulrush



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Latin names	Common Names
<i>Juncus bulbosus</i>	Bulbous rush
<i>Juncus inflexus</i>	Hard rush
<i>Juncus subnodulosus</i>	Blunt-flowered rush
<i>Leersia oryzoides</i>	Cut-grass
<i>Lemna gibba</i>	Fat duckweed
<i>Lemna minor</i>	Common duckweed
<i>Lemna trisulca</i>	Ivy-leaved duckweed
<i>Lemna turionifera</i>	Red duckweed
<i>Leptodictyum riparium</i>	Kneiff's feathermoss
<i>Limosella aquatica</i>	Mudwort
<i>Lycopus europaeus</i>	Gipsywort
<i>Lythrum portula</i>	Water purslane
<i>Lythrum salicaria</i>	Purple-loosestrife
<i>Mentha aquatica</i>	Water mint
<i>Menyanthes trifoliata</i>	Bogbean
<i>Myosotis scorpioides</i>	Water forget-me-not
<i>Myriophyllum alterniflorum</i>	Alternate water-milfoil
<i>Myriophyllum spicatum</i>	Spiked water-milfoil
<i>Myriophyllum verticillatum</i>	Whorled water-milfoil

Latin names	Common Names
<i>Scrophularia auriculata</i>	Water figwort
<i>Sium latifolium</i>	Greater water-parsnip
<i>Solanum dulcamara</i>	Bittersweet
<i>Sparganium emersum</i>	Unbranched bur-reed
<i>Sparganium erectum</i>	Branched bur-reed
<i>Sphagnum spp.</i>	Bog mosses
<i>Spirodela polyrhiza</i>	Greater duckweed
<i>Stratiotes aloides</i>	Water-soldier
<i>Tolypella glomerata</i>	Clustered stonewort
<i>Tolypella intricata</i>	Tassel stonewort
<i>Tolypella prolifera</i>	Great tassel stonewort
<i>Typha angustifolia</i>	Lesser reedmace / Bulrush
<i>Typha latifolia</i>	Reedmace / Bulrush
<i>Utricularia australis / U. vulgaris</i>	Bladderwort
<i>Utricularia minor</i>	Lesser bladderwort
<i>Veronica anagallis-aquatica</i>	Blue water-speedwell
<i>Veronica beccabunga</i>	Brook-lime
<i>Veronica catenata</i>	Pink water-speedwell
<i>Zannichellia palustris</i>	Horned pondweed



Appendix 6.2

Biodiversity desk study report



1. INTRODUCTION

1.1 Terms of reference

- 1.1.1 The “Biodiversity and Ecological Conservation” section of the revised draft Airports National Policy Statement (ANPS) outlines the expectations of the UK Government regarding the consideration of biodiversity. Paragraph 5.88 recommends that the Environmental Statement (ES) submitted with an application for development consent should clearly set out any likely significant effects on internationally, nationally and locally designated sites of ecological importance, protected species and habitats and other species identified as being of principal importance for the conservation of biodiversity. This recommendation is also made within paragraph 5.22 of the Biodiversity and Ecological Conservation section of the National Networks NPS.

1.2 Scope of this report

- 1.2.1 The purpose of this report is to present the results of a desk study which was undertaken to identify statutory and non-statutory sites designated for their nature conservation importance, Habitats and Species of Principal Importance in England¹, and other legally protected, notable and controlled species for the DCO Project.
- 1.2.2 The results of the desk study are to form a component of the baseline information which will support an application for Development Consent, including an Environmental Impact Assessment (EIA) and Habitats Regulations Assessment (HRA) for the DCO Project. The results are also used to inform the scope of the field survey work that is currently ongoing.
- 1.2.3 Data study data was obtained within search areas of 2km², 10km³ and 20km⁴ from the 2017 baseline data collection area, as defined within Table 6.2.3, based on best practice guidelines and professional judgement. The baseline data collection area is derived from the extent of the DCO Project, as described by the Airports

¹ Section 41 of the Natural Environment and Rural Communities Act 2006 requires the Secretary of State to publish and maintain a list of habitats and species of principal importance for the conservation of biodiversity in England.

² A 2km search area for other designated sites, SPI, HPI and other conservation notable or legally protected species is a precautionary professional judgement based on the potential extent of indirect effects.

³ A 10km search area for bat roosts was implemented following from Collins, J. (ed.), Bat Surveys for Professional Ecologists: Good Practice Guidelines, 3rd edition. The Bat Conservation Trust, London, 2016

⁴ A search area of 20km for International / European sites was determined based on the road traffic modelling accompanying the Airports Commission Final Report (July 2015) as nitrogen deposition associated with road traffic accessing / egressing the airport will need to be addressed within the Habitats Regulations Assessment (HRA).



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Commission⁵ and extended to include associated features (as currently known) such as flood storage and green infrastructure, and appropriate ecology survey extents (refer to Figure 6.2).

1.3 Method

1.3.1 Existing information on designated sites and protected species was obtained from a range of data sources including biological records centres and national and local nature conservation organisations. Thirty-three organisations were contacted between March and June 2017 and asked to provide all relevant data held for the last ten years (2007 onwards). Of these organisations, 11 provided data directly, a further eight confirmed that they provide all of their data to local biological records centres (from which data had already been requested) and 13 are yet to respond at the time of this report. The organisations to which a data request was made and a response received are listed in Table 6.2.1.

Table 6.2.1 Data sources – organisations that responded to the data request

Data sources	Comments	Dates of correspondence
Berkshire Buckinghamshire and Oxfordshire Wildlife Trust (BBOWT)	As a Project Partner of the Thames Valley Environmental Records Centre (TVERC), BBOWT supply data to this record centre.	N/A
Berkshire and South Buckinghamshire Bat Group (BSBBG)	Bat records for the area of search were provided as per data request.	07/06/2017
Berkshire Amphibian and Reptile Group (BARG)	Confirmation provided that all records are held by TVERC and can be obtained centrally.	08/03/2017
Berkshire Mammal Group (BMG)	Confirmation provided that all records are held by TVERC and can be obtained centrally.	23/03/2017
Berkshire Ornithological Club (BOC)	Ornithological records for the area of search were provided as per data request.	26/06/2017
Botanical Society for Britain and Ireland (BSBI)	Botanical records for the area of search were provided as per data request.	05/10/2017
British Trust of Ornithology (BTO)	Ornithological records for the area of search were provided as per data request.	24/04/2017
Buckinghamshire and Milton Keynes Environmental Record Centre (BMKERC)	Biological records for the area of search were provided as per data request.	04/04/2017

⁵ Based on the illustrative masterplan as shown in the Airports Commission Final Report (July 2015).



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Data sources	Comments	Dates of correspondence
Butterfly Conservation (BC)	Confirmation provided that all records are held by the relevant biological records centres and can be obtained centrally.	06/03/2017
Greenspace information for Greater London (GIGL)	Biological records for the area of search were provided as per data request.	31/03/2017
London Bat Group (LBG)	Bat records for the area of search were provided as per data request.	07/05/2017
London Bird Club (LBC)	Confirmation provided that all records are held by GIGL and can be obtained centrally.	15/03/2017
Royal Society for the Protection of Birds (RSPB)	Ornithological records for the area of search were provided as per data request.	08/06/2017
Surrey Dormouse Group (SDG)	Confirmation provided that all records are held by Surrey Biological Information Centre (SBIC) and can be obtained centrally.	31/03/2017
Surrey Wildlife Trust (SWT)	Surrey Biological Information Centre (SBIC) is administered by Surrey Wildlife Trust – all data can be obtained centrally.	N/A
West Surrey Badger Group (WSBG)	Confirmation provided that all records are held by Surrey Biological Information Centre (SBIC) and can be obtained centrally.	15/03/2017
Plantlife (PL)	Confirmation provided that no records were held within the area of search requested.	05/04/2017
Surrey Bat Group (SBG)	Bat records for the area of search were provided as per data request.	17/05/2017
Thames Valley Environmental Records Centre (TVERC)	Biological records for the area of search were provided as per data request.	30/03/2017

1.3.2 The desk study also draws on ecological data presented within publicly available data sets. The resources used are detailed in Table 6.2.2.

Table 6.2.2 Publicly accessible data sets reviewed

Data sources	Information accessed	Link
Environment Agency	Aquatic invertebrate, macrophyte and fish records.	https://data.gov.uk/data/search?publisher=environment-agency&q=National+Fish+Populations+Database

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Data sources	Information accessed	Link
Joint Nature Conservation Committee (JNCC)	Nomenclature and designated status for species records	http://jncc.defra.gov.uk/page-3408
The Planning Inspectorate	EIA Scoping Report for Western Rail Link to Heathrow Project	https://infrastructure.planninginspectorate.gov.uk/projects/south-east/western-rail-link-to-heathrow/?ipcsection=docs
MAGIC	Statutorily designated sites, Habitats of Principal Importance in England (HPI) and the Ancient Woodland inventory.	http://www.natureonthemap.naturalengland.org.uk/MagicMap.aspx
Natural England	Citations for Sites of Special Scientific Interest (SSSI)	http://publications.naturalengland.org.uk/
Woodland Trust	Ancient and veteran tree locations	http://www.ancient-tree-hunt.org.uk/discoveries/interactivemap

- 1.3.3 In addition to the data sources already described, information was gathered from Heathrow's Environment Team (responsible for managing 13 areas for the benefit of biodiversity in the area around the Airport).
- 1.3.4 The search areas employed for various groups of ecological features for which information was obtained are outlined in Table 6.2.3.

Table 6.2.3 Search areas

Ecological feature	Search area ⁶ (km)
International/European Sites	20
SSSI	2
Local Wildlife Sites (LWS)	2
Records of Habitats of Principal Importance⁷ (HPI)	2

⁶ The search area includes all land within a set distance of the boundary of the baseline data collection area (distance dependent on ecological feature).

⁷ Habitats and species of principal importance for the conservation of biodiversity in England are those noted on a list produced in response to Section 41 of the Natural Environment and Rural Communities Act 2006.



Ecological feature	Search area ⁶ (km)
Records of Species of Principal Importance (SPI)	2
Records of other conservation notable, legally protected and controlled species	2
Records of bat roosts	10

1.4 Limitations

- 1.4.1 Contextual information is important as it may indicate species and habitats that could occur within the baseline data collection area. However, as much of the recording is not based on systematic monitoring techniques, absence of records should not always be considered to represent an absence of certain habitats or species.



2. RESULTS

2.1 Statutory designated sites

2.1.1 A total of nine international/European statutory designated sites were identified on or within 20km of the baseline data collection area. These comprise one Ramsar site, two SPAs and six SACs. A total of four SSSI's and four LNRs were identified within 2km of the DCO Project. Details of these sites are given in Table 6.2.4, Table 6.2.5 and Table 6.2.6 respectively. The location of these nature conservation designations are shown in Figures 6.2.1, 6.2.2 and 6.2.3 respectively.

Table 6.2.4 International/European sites

Statutory Site	Designated feature	Approximate distance (km) and direction from the baseline data collection area
<p>South-West London waterbodies Ramsar site</p>	<p>Qualifying species/populations:</p> <p>Species with peak counts in spring/autumn: Northern shoveler, <i>Anas clypeata</i>, (NW & C Europe) 397 individuals, representing an average of 2.6% of the GB population (5 year peak mean 1998/9- 2002/3)</p> <p>Species with peak counts in winter: Gadwall, <i>Anas strepera strepera</i>, (NW Europe) 487 individuals, representing an average of 2.8% of the GB population (5 year peak mean 1998/9- 2002/3)</p>	<p>Within baseline data collection area</p>
<p>South-West London waterbodies SPA</p>	<p>This site qualifies under Article 4(2) of the Directive (79/409/EEC) by supporting populations of European importance of the following migratory species:</p> <p>Over winter; Gadwall 786 individuals representing at least 2.6% of the wintering Northwestern Europe population (5 year peak mean 1991/2 - 1995/6)</p> <p>Shoveler 1,075 individuals representing at least 2.7% of the wintering Northwestern/Central Europe population (5 year peak mean 1991/2 - 1995/6)</p>	<p>Within baseline data collection area</p>



Statutory Site	Designated feature	Approximate distance (km) and direction from the baseline data collection area
Windsor Forest and Great Park SAC	<p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following habitats listed in Annex I:</p> <p>Atlantic acidophilous beech forests with <i>Ilex</i> and sometimes also <i>Taxus</i> in the shrublayer (<i>Quercion robori-petraeae</i> or <i>Ilici-Fagenion</i>). (Beech forests on acid soils)</p> <p>Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains. (Dry oak-dominated woodland)</p> <p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following species listed in Annex II:</p> <p>Violet click beetle <i>Limoniscus violaceus</i></p>	4.25km W
Richmond Park SAC	<p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following species listed in Annex II:</p> <p>Stag beetle <i>Lucanus cervus</i></p>	8.17km SE
Burnham Beeches SAC	<p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following habitats listed in Annex I:</p> <p>Atlantic acidophilous beech forests with <i>Ilex</i> and sometimes also <i>Taxus</i> in the shrublayer (<i>Quercion robori-petraeae</i> or <i>Ilici-Fagenion</i>). (Beech forests on acid soils)</p>	9.29km NW
Thames Heath Basin SPA	<p>The site qualifies under article 4.1 of the Directive (79/409/EEC) as it is used regularly by 1% or more of the Great Britain populations of the following species listed in Annex I in any season:</p> <p>Nightjar <i>Caprimulgus europaeus</i> - 264 churring males –breeding (1998/99), 7.8% of the GB population.</p> <p>Woodlark <i>Lullula arborea</i> - 149 pairs – breeding (1997), 9.9% of the GB population.</p>	10.02km SW

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Statutory Site	Designated feature	Approximate distance (km) and direction from the baseline data collection area
	Dartford warbler <i>Sylvia undata</i> - 445 pairs – breeding (1999), 27.8% of the GB population.	
Thursley, Ash, Pirbright and Chobham SAC	<p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following habitats listed in Annex I:</p> <p>Depressions on peat substrates of the <i>Rhynchosporion</i></p> <p>European dry heaths</p> <p>Northern Atlantic wet heaths with <i>Erica tetralix</i> (Wet heathland with cross-leaved heath)</p>	10.16km SW
Wimbledon Common SAC	<p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following habitats listed in Annex I:</p> <p>European dry heaths</p> <p>Northern Atlantic wet heaths with <i>Erica tetralix</i> (Wet heathland with cross-leaved heath)</p> <p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following species listed in Annex II:</p> <p>Stag beetle</p>	11.81km SE
Chiltern Beechwoods SAC	<p>The site is designated under article 4(4) of the Directive (92/43/EEC) as it hosts the following habitats listed in Annex I:</p> <p><i>Asperulo-Fagetum</i> beech forests</p> <p>Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometalia</i>) (*important orchid sites)</p>	17.56km NW



Table 6.2.5 National Statutory Sites

Statutory site	Notifiable feature	Approximate distance (km) and direction from the baseline data collection area
Wraysbury Reservoir SSSI	Aggregations of non-breeding birds - Cormorant <i>Phalacrocorax carbo</i> Aggregations of non-breeding birds - Great crested Grebe <i>Podiceps cristatus</i> Aggregations of non-breeding birds - Shoveler	Within baseline data collection area
Staines Moor SSSI	Aggregations of non-breeding birds - Goosander, <i>Mergus merganser</i> Aggregations of non-breeding birds - Pochard, <i>Aythya farina</i> Aggregations of non-breeding birds - Shoveler Aggregations of non-breeding birds - Tufted Duck, <i>Aythya fuligula</i> Flowing waters - Type III: base-rich, low-energy lowland rivers and streams, generally with a stable flow regime MG13 - <i>Agrostis stolonifera</i> - <i>Alopecurus geniculatus</i> grassland MG5 - <i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland S22 - <i>Glyceria fluitans</i> water-margin vegetation Vascular plant assemblage	Within baseline data collection area
Wraysbury No 1 Gravel Pit SSSI	Aggregations of non-breeding birds - Gadwall	1.23km W
Wraysbury and Hythe End Gravel Pits SSSI	Aggregations of non-breeding birds - Gadwall Aggregations of non-breeding birds - Goosander Aggregations of non-breeding birds - Tufted Duck Assemblages of breeding birds - Lowland open waters and their margins	1.47km SW



Table 6.2.6 Local nature reserves (LNR)

Statutory site	Description	Approximate distance (km) and direction from the baseline data collection area
Cranebank LNR	Cranebank is one of the last water meadows remaining within Hounslow. Flood meadows alongside the River Crane which runs along the western edge. The site floods in winter. There are ox-bow lakes which have yellow flag iris, reed grass, reed sweet-grass, fool's watercress, water forget-me-not and water mint. The meadows have several locally uncommon species including cuckoo flower, bugle, ragged robin and dropwort. The site has 26 species of butterflies and 12 damselflies and dragonflies.	Within baseline data collection area
Bedfont Lakes LNR	Habitats include willow carr, reedbeds, lakes, scrub, neutral grassland/wildflower meadows and bare soil. Habitats support a diverse range of plants, birds, amphibians, mammals and invertebrates (including Roesel's bush cricket and long winged conehead).	0.24km S
Arthur Jacobs LNR	The nature reserve was created from a series of derelict sewage lagoons that are being transformed into important wetland habitats.	Within baseline data collection area
Hounslow Heath LNR	Heathland and acid grassland, hay meadows (cattle grazed), scrub, woodland and marsh. Heathland flora, reptiles, scrubland birds, invertebrates.	1.7km SE

2.2 Non-statutory designated sites

2.2.1 A total of 53 non-statutory designated sites were identified on or within 2km of the baseline data collection area. These comprise eight LWS, 35 Sites of Importance for Nature Conservation (SINC) (nine Metropolitan Grade, nine Borough Grade 1, nine Borough Grade 2 and eight Local Grade), 7 Sites of Nature Conservation Importance (SNCI) and 3 Biological Notification sites (BNS). Details of these sites are given in Table 6.2.7. The distribution of these records are shown in Figure 6.2.3.



Table 6.2.7 Non-statutory sites

Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
Old Slade Lake LWS	The site consists of a complex of flooded gravel pits fringed by secondary woodland, scrub, ruderal grassland, tree planting and a stretch of the Colne Brook.	Within baseline data collection area
Queen mother reservoir LWS	Queen Mother Reservoir is a large waterbody which provides refuge for storm driven species and overland passage migrants. It supports a variety of passage waders and winter wildfowl.	Within baseline data collection area
Arthur Jacobs Reserve LWS	This site is managed for nature conservation and is a LNR. It is an old silt lagoon area where a variety of habitats have been established including ponds, grassland and woodland/scrub.	Within baseline data collection area
Lower Colne SINC Metropolitan	Defined within the citation as one of the finest river systems in London, including sections of the rivers Colne, Wraysbury and Frays. These originate as chalk streams and collectively support a diverse aquatic and marginal flora.	Within baseline data collection area
Crane Corridor SINC Metropolitan	The River Crane is bordered by habitats including woodland, pasture, heathland and areas of open water.	Within baseline data collection area
Bedfont Lakes Country Park SINC Metropolitan	A restored gravel extraction and land-fill site, now managed as a country park. The two former gravel pits, Bedfont Lake and Princes Lake, are of considerable ornithological interest.	Within baseline data collection area
Longford River at Feltham SINC Borough Grade I	This section of the Longford River runs from the A30, through Feltham town centre and beyond to Browells Lane. The river is narrow with steep banks.	Within baseline data collection area
Mayfield Farm and the Water Treatment Works SINC Borough Grade I	Mayfield Farm and the Water Treatment Works is located just within Hounslow boundary north of the A30. The site contains a complex of natural and manmade habitats which include one of the largest reedbeds in Hounslow (approximately 3ha in size), open water reservoirs, wetland communities, herb rich grasslands and species rich ponds.	Within baseline data collection area



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Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
Duke of Northumberland's River at Bedfont SINC Metropolitan	This section of the Duke of Northumberland's River has good water quality, and supports an excellent assemblage of aquatic invertebrates.	Within baseline data collection area
Cains Lane SINC Local	Situated just on the edge of the Airport, this is a sizeable area of hawthorn scrub with rough grassland and scattered trees. The site is bounded on three sides by hedgerows.	0.03km SE
Field Close Open Space roughs SINC Local	This area of rough grassland, set aside for wildlife, links Feltham rail Open Space with Bolton's Lane Open Space. Also included in the site are two substantial clumps of mixed native and non-native scrub.	Within baseline data collection area
Little Britain SINC Metropolitan	This area of the Colne Valley has a variety of habitats including lakes, rivers, scrub, areas of wasteland, woodland and neutral grassland. The Colne and Frays rivers are clean, fast flowing and support an interesting range of marginal habitats, including valuable areas of wet woodland.	0.24km N
Cranford Countryside Park and Open Space SINC Borough Grade I	The central portion of the site comprises a mixture of amenity grassland given a 'hay-meadow' cut, and late cut grassland. These are interspersed with small copses with trees and shrubs, some of them recently planted.	0.38km N
Bedfont Pits SINC Borough Grade I	This former gravel pit is now an attractive lake, fringed with reeds, with areas of willow woodland.	0.43km SE
Iron Bridge Road RAILSIDES (formerly The Piggeries) SINC Borough Grade II	The site is on an area of railway lineside that used to be grazed. The lack of grazing has resulted in the development of dense scrub.	1.35km N
Hatton Meadows SINC Borough Grade I	The site comprises wide expanses of acid and semi improved grassland, which are cut for hay in the autumn months.	0.44km SE
Wall Garden Farm Sand Heaps SINC Borough Grade I	A series of large sand heaps associated with adjacent active gravel workings. These support a breeding colony of sand martins. The extensive reseeded grassland and ruderal areas to the north and east, along with included operational silt pits, provide	0.5km NE



Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
	habitats likely to give rise to a large biomass of invertebrate aerial plankton.	
Opposite Iver Station BNS	Former gravel pit with largely undisturbed grassland grazed with the exception of few horses.	0.7km N
Grand Union Canal, near Iver North BNS	Grand Union Canal, near Iver North	0.7km N
Hounslow Heath SINC Metropolitan	An extensive area of acid and neutral grassland, with developing heathland where restoration has encouraged natural regeneration of heather.	1.5km SE
Cranford Lane Gravel Workings SINC Borough Grade II	The site comprises spoil heaps resulting from past gravel extraction, and a meadow to the north. The spoil area comprises extensive flat-topped and vegetated mounds to the east, and flat and rutted spoil material with seasonally wet ditches and depressions to the west.	Within baseline data collection area
Grand Union Canal, Slough Branch BNS	Silted area of canal with rich selection of submerged and emergent plants.	1.1km NW
Wraysbury No. 1 Gravel Pit LWS	This site is an area adjacent to the SSSI consisting additional pits and other land. The gravel pits in the south east are part of the complex of pits in the area that are important for bids	1.24km SW
Hartlands Wood and Lower Park SINC Local	Lower Park Farm is a large open field of mainly species-poor grassland, which has been highly grazed in parts. Hartlands Wood has a sparse canopy of oak, over scrub of hawthorn, elder and blackthorn.	0.88km E
St George's Meadows, Southlands Arts Centre SINC Borough Grade II	This small site near West Drayton is the grounds of Southlands Arts Centre and comprises a range of habitats. The main part is flower-rich grassland. Hedgerows, a small pond and some wet hollows are also present.	0.3km NE
Lower Feltham Rough SINC Borough Grade I	This is a sizeable site with a mosaic of habitats, supporting a good diversity of plants and animals. Different stages of succession, from flowery grassland to scrub, provide habitats for birds, small mammals and invertebrates.	1.7km S



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Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
London Diocesan Land SINC Local	No information given	1.3km SE
Raleigh Park SINC Local	Raleigh Park was landscaped in the early 1990s. Its reseeded grassland has a wide range of wild flowers.	1.4km SE
Stockley Road Rough SINC Local	This sliver of roughland is squeezed between Stockley Road (A408), Heath Park Golf Course and a development area. The site is a mixture of scrub, tall herbs and grasses.	0.5km N
Stockley Business Park Lakes & Meadows SINC Borough Grade II	This site consists of well-managed habitats in the grounds of a business park, which could serve as an exemplar of landscaped habitat creation and management around new commercial premises. The undulating landscape includes extensive areas of patchwork-cut meadow, soft-margined lakes with emergent vegetation and tall belts of scrub.	1.41km N
Carp Ponds and Broads Dock SINC Metropolitan	Three waterbodies and a length of canal dock which support a diverse assemblage of aquatic and emergent plants.	0.86km NE
Colne Brook LWS	The Colne Brook forms an important wildlife corridor in this intensively farmed and urban fringe landscape. The stream flows from the Horton Trading Estate at its upstream extent to Whitehall Lane at the downstream limit. This stretch comprises a range of aquatic, semi-aquatic and riparian habitats including a diverse in-stream system, moderate to species-rich emergent and aquatic communities and small areas of wet woodland and scrub.	1.8km W
Stockley Park Country Park SINC Borough Grade II	This large, hilly country park contains extensive grassland and other habitats including tall herbs, scrub, trees and hedgerows, much of which has been planted.	1.84km NW
Thornccliffe Rough SINC Local	An area of disused land with a mosaic of habitats, providing a colourful and diverse flora in a part of the borough with little accessible natural greenspace.	1.86km E



Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
River Pinn and Manor Farm Pastures SINC Borough Grade II	This stretch of the River Pinn is bordered on both sides by open grassland, much of which comprises rank grasses and tall herbs with scattered scrub, although some of it is managed as sports fields. The river is generally lined by trees and shrubs.	1.15km NE
Bolingbroke Way Sunken Pasture SINC Borough Grade II	This lightly horse-grazed meadow is surrounded on all sides by roads. The meadow is sunken below the level of the adjacent trunk road and has good vegetation diversity and structure, with open scrub and some decaying timber near its south end.	1.86km N
Picadilly Line Railsides in Hounslow SINC Borough Grade II	The railsides along the Piccadilly Line running through Hounslow borough are defined by three or four main vegetation types. There are large areas of secondary woodland and deciduous scrub with other areas covered by rank grassland and bramble.	1.88km NE
Feltham Railsides SINC Borough Grade II	The railsides run through several important habitats at Hounslow Heath, Feltham Marshalling Yards and Bedfont Lakes Country Park, making this one of the most important green corridors in Hounslow borough, especially for invertebrates.	1km S
Airlinks Ponds SINC Local	This site comprises two ponds located within a highly managed golf course.	1.53km NE
London's Canals SINC Metropolitan	London's canals support a wide range of aquatic flora, amongst which are found a number of locally uncommon species.	1.5km NE
Lake Farm Country Park SINC Borough Grade I	This site was acquired by Hillingdon Council in the mid-1990s, and opened as a Country Park in 2002. It is an extensive formerly agricultural area managed principally for nature conservation, integrated with its amenity roles. Rotational grass-cutting is utilised to encourage and maintain grassland diversity and habitat continuity.	1.6km N
Yeading Brook, Minet Country Park and Hitherbroom Park SINC Borough Grade I	Minet Country Park partly comprises reclaimed derelict land. Much of the country park is recently-created rough grassland, with areas of older, more natural meadow.	1.84km NE



Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
Stanwell II SNCI	Mosaic of gravel pits and ditches supporting a range of marginal vegetation including fen.	Within baseline data collection area
Princes Lake SNCI	Eutrophic lake with grass margins and numerous willows, broadleaved tree species have also been planted.	0.4km S
East of Poyle Meadows SNCI	Diversity of habitats including pond, swamp, grassland and scrub. The site is an important buffer between the M25 and the Staines Moor SSSI.	Within baseline data collection area
Greenhams Fishing Ponds SNCI	Remnants of old gravel working now a fishing lake in the corner of a field used for grazing. The site is selected for its wetland habitat which compliments the wider mosaic of wetland habitats present in the surrounding M25 corridor area.	0.01km S
River Colne from county boundary to Stanwell Moor SNCI	River supporting diverse invertebrate and fish community.	0.03km S
West of Poyle Meadows SNCI	A natural river channel with good marginal vegetation along the western bank. The eastern bank of the river forms part of the flood meadow of Poyle meadows. Adjoining grassland supports botanical interest.	Within baseline data collection area
Wraysbury Reservoir SNCI	Steeply sloping, terraced improved grassland banks grazed by sheep. The grassland surrounding Wraysbury Reservoir itself is selected as an important buffer for the Wraysbury Reservoir SSSI which is part of the South West London Waterbodies SPA and Ramsar site.	0.05km SW
Datchet Common Gravel Pit LWS	This site consists of three flooded gravel pits with landscaped trees, improved grassland and a maize and sunflower crop surrounding the lakes.	0.8km SW
Wraysbury II Gravel Pit LWS	These are areas adjacent to the SSSI including additional pits and a thin area of peripheral land.	1.4km SW
Horton and Kingsmead Lakes LWS	The lakes are mainly used for sailing or fishing. There is drier woodland and scrub on the causeways between pits. The silt lagoons have a larger area of reedbed and willow	0.3km S



Site	Summary of habitats present	Approximate distance (m) and direction from the baseline data collection area
	carr. The complex of pits and reservoirs are important for over-wintering wildfowl.	

2.3 Habitats of Principal Importance

2.3.1 A search for HPI (recorded on the Priority Habitats Inventory) known to occur inside or within 2km of the baseline data collection area for 2017 was undertaken. The results have been presented as the total area for each habitat type as presented in Table 6.2.8. The distribution of these habitats are shown in Table 6.2.4.

Table 6.2.8 Habitats of Principal Importance

Habitat	Total area within the baseline data collection area (ha)	Total area within 2km of the baseline data collection area (ha)
Ancient Woodland	0.98	0
Coastal and Floodplain Grazing Marsh	0	2.8
Traditional Orchard	0.33	0.39
Lowland Acid Grassland	0	0.58
Lowland Fen	0.06	0
Lowland Heath	0	0.17
Lowland Meadow	1.26	9.68
Good Quality Semi Improved Grassland	0.68	7.61
Lowland Deciduous Woodland	9.39	31.70

2.4 Species of Principal Importance and other protected and conservation notable species

2.4.1 Information gathered on SPI and other legally protected and conservation notable species has been collated by species group and summarised below. Due to the



size of the search areas employed the raw data has not been reproduced in this report but has been retained to ensure availability for use in future assessments.

Bats

- 2.4.2 Records of bats were returned from TVERC, BMKERC, GIGL, Berkshire and South Buckinghamshire Bat Group, London Bat Group and Surrey Bat Group. Records of bats were also held by Heathrow's Environment Team.
- 2.4.3 The desk study confirmed a minimum of eight species of bats roosting within habitats present inside or within 10km of the baseline data collection area for 2017. A total of 117 roost sites were identified (Table 6.2.9).

Table 6.2.9 Summary of total bat roosts identified

Species	Total number of recorded roost locations identified	Bat roost locations identified within baseline data collection area
Brown long-eared bat	12	0
Noctule	5	1
Common pipistrelle	15	0
Daubenton's bat	3	0
Myotis sp.	1	0
Nathusius' pipistrelle	3	0
Natterer's bat	3	0
Pipistrellus sp.	19	2
Plecotus sp.	1	0
Serotine	4	1
Soprano pipistrelle	51	2

- 2.4.4 The desk study identified the presence of at least 12 species, with a total of 20,353 records of bats were received. These records are summarised in



2.4.5 Table 6.2.10. The distribution of these records are shown in Figure 6.2.5 to 6.2.10.

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Table 6.2.10 Summary of bat records

Species	No: of records	Status	Type of records ⁸	Date range of records	Distance (km) to the closest record (R/NR)
Brandt's bat	9	Bern Convention (Appendix II) ⁹ , EUROBATS ¹⁰ , CMS (Appendix II) ¹¹ , Habitats Regulations ¹² , W&CA ¹³	NR	2015	0.51 km S
Brown long-eared bat	1,861	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, SPI, W&CA.	NR & R	2007- 2016	Within baseline data collection area
Common pipistrelle	2,138	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2007 - 2017	Within baseline data collection area
Daubenton's bat	967	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2007- 2017	Within baseline data collection area

⁸ NR = Non-roost records; R = roost records

⁹ The Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention) Annex II: Strictly Protected Fauna Species

¹⁰ UNEP/EUROBATS Agreement on the Conservation of Populations of European Bats 1991

¹¹ Convention on the Conservation of Migratory Species of Wild Animals (CMS or Bonn Convention) 1979

¹² The Conservation of Habitats and Species Regulations 2017 (also known as the Habitats Regulations)

¹³ Wildlife and Countryside Act 1981 (as amended)



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Species	No: of records	Status	Type of records ⁸	Date range of records	Distance (km) to the closest record (R/NR)
Liesler's Bat	222	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2007- 2016	Within baseline data collection area
Whiskered/Brandt's	2	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR	2008- 2012	7.48km
Myotis sp.	829	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2007- 2016	Within baseline data collection area
Nathusius' pipistrelle	246	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2007- 2017	Within baseline data collection area
Natterer's bat	138	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2013- 2016	4.48km
Noctule	1,078	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II),	NR & R	2007- 2017	Within baseline data collection area

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Species	No: of records	Status	Type of records ⁸	Date range of records	Distance (km) to the closest record (R/NR)
		Habitats Regulations, W&CA, SPI.			
Nyctalus sp.	17	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR	2014- 2015	4.86km
Pipistrellus sp.	1,078	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA	NR & R	2007- 2016	Within baseline data collection area
Plecotus sp.	53	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA, SPI.	NR & R	2007- 2016	0.78km
Serotine	268	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA.	NR & R	2007- 2016	Within baseline data collection area
Soprano pipistrelle	11,440	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA, SPI.	NR & R	2007 - 2017	Within baseline data collection area



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Species	No: of records	Status	Type of records ⁸	Date range of records	Distance (km) to the closest record (R/NR)
Whiskered bat	7	Bern Convention (Appendix II), EUROBATS, CMS (Appendix II), Habitats Regulations, W&CA.	NR	2008- 2016	0.51km

Reptiles and amphibians

2.4.6 Records of amphibians and reptiles were returned from TVERC, GIGL and from Heathrow's Environment Team. Three species of reptile were identified from the 163 records received, namely adder, grass snake and slow worm. Only 13 records of amphibian were returned, all of which were sightings of common toad. A summary of the results are provided in Table 6.2.11. The distribution of these records are shown in Figure 6.2.11 (note locations of adder records were not provided and therefore this species is not shown).

Table 6.2.11 Summary of amphibian and reptile records

Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Adder	26	W&CA, SPI	2008-2015	Unknown
Grass snake	73	W&CA, SPI	2008-2015	Within baseline data collection area
Slow worm	64	W&CA, SPI	2008-2012	Within baseline data collection area
Common toad	13	SPI	2008-2014	Within baseline data collection area

2.4.7 Although no locations were provided for records of adder, discussions with local ecologists suggest that these are likely to be within the vicinity of Hounslow Heath.

Terrestrial mammals

Records of mammals (with the exception of bats) were returned from TVERC, GIGL and from data sets held by Heathrow's Environment Team. A total of 71 records of mammal were returned, confirming the presence of a minimum of five species. A summary of these records is given in Table 6.2.12.

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Table 6.2.12 Summary of terrestrial mammal records

Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Badger	7	PBA ¹⁴	2007 - 2015	Within baseline data collection area
West European hedgehog	23	SPI	2009 – 2013	0.74km
European Otter	1	Bern Convention (Annex II), Habitats Regulations, W&CA, SPI	2010	Within baseline data collection area
Water vole	39	W&CA, SPI	2013	0.22 km N
Harvest mouse	1	SPI	2013	Within baseline data collection area

2.4.8 While records of otter and water vole were provided, information on the precise location of these records was not available.

2.4.9 In addition to the above records, anecdotal records of water shrew and weasel have been supplied for the Harmondsworth Moor area.

Birds

2.4.10 Records of birds were returned from TVERC, BMKERC, GIGL, RSPB, BOC, the BTO (specifically Wetland Bird Survey data (WeBS)) and Heathrow's Environment Team. The EIA Scoping Report for the Western Rail Link to Heathrow Project provided further information. A total of 6,471 bird records were provided (this excludes WeBS data), a summary of the data is given in Table 6.2.13.

Table 6.2.13 Summary of bird records

Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Avocet	11	W&CA, BoCC Amber ¹⁵	2011 - 2016	1.27km

¹⁴ Protection of Badgers Act 1992

¹⁵ British Trust for Ornithology, Birds of Conservation Concern, Edition 4. Amber List.



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Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Barn owl	9	W&CA	2011 - 2016	Within baseline data collection area
Black redstart	41	W&CA, BoCC Red ¹⁶	2010 – 2015	0.52km
Black-necked grebe	334	W&CA, BoCC Amber	2010 – 2015	Within baseline data collection area
Bullfinch	21	SPI, BoCC Amber	2008 – 2016	Within baseline data collection area
Cetti's warbler	42	W&CA	2010 – 2016	1.73km
Common scoter	62	W&CA, SPI, BoCC Red	2010 – 2016	0.72km
Cormorant	354	SSSI Notified Feature ¹⁷	2007 – 2016	0.52km
Cuckoo	22	SPI, BoCC Red	2007 - 2016	Within baseline data collection area
Stone curlew	24	W&CA, BoCC Red, SPI	2010 – 2016	Within baseline data collection area
Dunnock	295	SPI, BoCC Amber	2008 - 2016	Within baseline data collection area
Gadwall	249	Feature of Ramsar/SPA ¹⁸ , SSSI Notified Feature, BoCC Amber	2007 – 2016	Within baseline data collection area
Garganey	10	W&CA, BoCC Amber	2011 – 2015	Within baseline data collection area
Goldeneye	362	SSSI Notified Feature, BoCC Amber	2007 – 2016	Within baseline data collection area
Goosander	201	SSSI Notified Feature	2007 – 2016	0.52km
Grasshopper warbler	4	SPI, BoCC Red	2010 - 2015	0.24km
Great crested grebe	434	SSSI Notified Species	2007 - 2016	0.52km

¹⁶ British Trust for Ornithology, Birds of Conservation Concern, Edition 4. Red List

¹⁷ Species making up a notified feature of one or more SSSIs described in Annex A

¹⁸ Designated feature of the Southwest London Waterbodies SPA/Ramsar site



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Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Green sandpiper	128	W&CA, BoCC Amber	2010 – 2016	Within baseline data collection area
Greenshank	30	W&CA, BoCC Amber	2010 – 2016	Within baseline data collection area
Hen harrier	3	W&CA, BoCC Red	2013 - 2015	1.27km
Herring gull	213	SPI, BoCC Red	2010 - 2016	0.21km
Hobby	117	W&CA	2010 – 2016	0.52km
House sparrow	89	SPI, BoCC Red	2010 – 2016	Within baseline data collection area
Kingfisher	100	W&CA, BoCC Amber	2008 – 2016	Within baseline data collection area
Lapwing	49	SPI, BoCC Red	2010 – 2016	Within baseline data collection area
Lesser redpoll	31	W&CA, BoCC Red, SPI	2010 – 2016	Within baseline data collection area
Linnet	192	SPI, BoCC Red	2008 – 2016	Within baseline data collection area
Little ringed plover	146	W&CA	2007 – 2016	Within baseline data collection area
Marsh harrier	20	W&CA, BoCC Amber	2010 – 2014	1.27km
Mediterranean gull	219	W&CA, BoCC Amber	2010 – 2016	Within baseline data collection area
Merlin	5	W&CA, BoCC Red	2008 - 2015	Within baseline data collection area
Mistle thrush	68	SPI, BoCC Amber	2010 - 2016	Within baseline data collection area
Osprey	12	W&CA, BoCC Amber	2010 – 2016	Within baseline data collection area
Peregrine	286	W&CA	2010 – 2016	0.52km
Pochard	238	SSSI Notified Features, BoCC Red	2007 – 2016	0.7km
Red kite	118	W&CA	2010 – 2016	Within baseline data collection area
Redwing	56	W&CA, BoCC Red,	2010 - 2016	Within baseline data collection area



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Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Reed bunting	108	SPI, BoCC Amber	2008 – 2016	Within baseline data collection area
Roseate tern	24	W&CA, BoCC Red, SPI	2011 - 2013	1.27km
Scaup	23	W&CA, BoCC Red	2010 – 2012	0.52km
Shoveler	209	Feature of Ramsar/SPA, SSSI Notified Feature, BoCC Amber	2007 – 2016	Within baseline data collection area
Skylark	152	W&CA, BoCC Red, SPI	2008 – 2016	Within baseline data collection area
Slavonian grebe	43	W&CA, BoCC Red	2010 - 2014	0.72km
Smew	172	SSSI Notified Feature, BoCC Amber	2010 – 2016	Within baseline data collection area
Song thrush	201	SPI, BoCC Red	2008 - 2016	Within baseline data collection area
Starling	165	SPI, BoCC Red	2008 - 2016	Within baseline data collection area
Tufted duck	482	SSSI Notified Feature	2007 – 2016	0.52km
Whimbrel	67	W&CA, BoCC Red	2010 - 2016	1.27km
Yellow wagtail	230	SPI, BoCC Red	2010 - 2016	0.52km

2.4.11 WeBS data provided by the BTO is summarised in Table 6.2.14. The table shows combined annual peak counts (i.e. the highest number of birds on each water body summed) and five year mean-peaks (i.e. the average peak count across years) for the waterbodies that are included in the South West London Waterbodies SPA for gadwall and shoveler (the designated features). Also shown are combined annual peak counts and five year mean-peaks calculated for the South West London Waterbodies SPA and associated functional habitat. Species listed include the designated features of the SPA, constituent SSSIs and noteworthy fauna noted on the Ramsar site designation.



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Table 6.2.14 Summary of WeBS data

Species	2011-12 peak count	2012-13 peak count	2013-14 peak count	2014-15 peak count	2015-16 peak count	5 year peak mean
Gadwall (Ramsar/ SPA sites only)	129	250	248	121	514	252
Shoveler (Ramsar/ SPA sites only)	95	59	36	40	38	54
Gadwall (All sites)	212	445	379	548	769	471
Shoveler (All sites)	228	183	402	627	447	377
Tufted Duck (All sites)	1977	1570	2031	1964	3605	2229
Pochard (All sites)	492	269	139	186	987	415
Great Crested Grebe (All sites)	450	238	214	293	87	257
Black-necked Grebe (All sites)	6	3	4	5	9	5
Smew (All sites)	17	10	4	0	1	6
Goosander (All sites)	17	20	7	15	7	13
Goldeneye (All sites)	140	123	127	90	95	115
Cormorant (All sites)	375	213	176	760	197	344

Invertebrates

- 2.4.12 Records of terrestrial invertebrates, were returned from TVERC, BMKERC, GIGL and Heathrow's Environment Team. A total of 2,785 records of terrestrial invertebrates (of nationally notable status or greater) were returned, a summary of the 69 species recorded are given in Table 6.2.15.
- 2.4.13 Nationally Rare species are species identified in the British Red Data Books (RDB) as they are estimated to occur in 15 or fewer ten-kilometre squares in Great Britain

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2.4.14 Nationally Scarce species are species placed into Nationally Notable categories as they are estimated to occur within the range of 16 to 100 ten-kilometre squares of the British National Grid system.

Table 6.2.15 Terrestrial invertebrate records

Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Alder Leaf Beetle	A leaf beetle	1	Nationally Rare ¹⁹	2014	0.75 km S	Open, sunny areas in wetlands, especially alder carr
August Thorn	A moth	1	SPI	2012	1.59 km NW	Woodland, parkland, scrub land and sometimes gardens
Beaded Chestnut	A moth	35	SPI	2007-2014	Within baseline data collection area	Broad-leaved woodland, scrub, hedgerows, grassland, heathland and gardens
Black Colonel	A soldier fly	2	Nationally Notable	2011	0.42 km N	Wet habitats: ponds and ditches
Blood-Vein	A moth	52	SPI	2010-2016	Within baseline data collection area	Damp places including hedgerows, ditches, wet meadows, gardens and woodland rides
Brindled Beauty	A moth	8	SPI	2012	0.15 km N	Broadleaved woodland,

¹⁹ Ball, 1986, *Terrestrial and freshwater invertebrates with Red Data Book, Notable or habitat indicator status*. Where sufficient information is available, species listed are categorised into two National Notable groups: Na (estimated to occur within the range of 16 to 30 ten-kilometre squares) and Nb (estimated to occur within the range 31 to 100 ten-kilometre squares).



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
						scrub, hedgerows, parks and gardens
Buff Ermine	A moth	113	SPI	2007-2016	Within baseline data collection area	Most habitats including gardens, hedgerows, parks and woodland
Bulrush Veneer	A moth	95	Notable-B	2007-2016	Within baseline data collection area	Marshes, fens and other wet habitats
Centre-barred Sallow	A moth	12	SPI	2007-2011	Within baseline data collection area	Broad-leaved woodland and more open habitat with isolated ash trees
Ceraclea senilis	A caddis fly	1	Nationally Notable	2016	0.15 km SE	Around still or slow moving water.
Chrysolina oricalcia	A leaf beetle	4	Notable-B	2014	Within baseline data collection area	Around still or slow moving water
Cinnabar	A moth	246	SPI	2010-2016	Within baseline data collection area	Open grassy habitats including waste ground, railway banks, gardens and woodland rides but most frequent on well drained rabbit-grazed grassland



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Deep Brown Dart	A moth	22	SPI	2011-2016	Within baseline data collection area	Open habitats on numerous herbs and shrubs, mainly on calcareous or light sandy soils
Dot Moth	A moth	15	SPI	2007	Within baseline data collection area	Wide range of open and wooded habitats. Frequent in gardens and hedgerows.
Dusky Brocade	A moth	8	SPI	2007-2015	Within baseline data collection area	Common species - frequents woodland, dry pastures, marshes, and a range of other habitats
Dusky Thorn	A moth	102	SPI	2007	Within baseline data collection area	Found in woods, hedgerows and range of habitats where the larval foodplant, ash (Fraxinus) grows
False Margined Blood Bee	A solitary bee	2	Notable-B	2015	0.75 km S	Sandy habitat, frequently found on heathland
Flounced Chestnut	A moth	1	SPI	2014	Within baseline data collection area	Broadleaved woodland, scrubby downland, heathland and moorland
Four Banded Flower Bee	A solitary bee	2	Notable-B	2016	Within baseline	Open sites, such as



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
					data collection area	gardens, urban parks, flowery heathland edge and brownfield sites
Four Banded Longhorn Beetle	A longhorn beetle	1	Notable-B	2015	0.86 km S	Associated with old woodland but can also be seen on flowers such as umbellifers
Garden Tiger	A moth	1	SPI	2014	0.30 km S	Open habitats, including gardens, damp meadows, fens, riverbanks, sand-dunes and open woodland
Ghost Moth	A moth	1	SPI	2012	1.85 km S	Grassy and weedy places in woodland and open areas
Giant Water Veneer	A moth	24	Notable-B	2012-2015	Within baseline data collection area	Reedbeds, often coastal reedbeds; locally distributed in southern England
Goat Moth	A moth	13	SPI	2012-2013	Within baseline data collection area	Riverbanks, fens, marshes, parkland, golf courses, hedgerows and woodland edges



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Grayling	A butterfly	2	SPI, Red List Vulnerable (GB 2001) ²⁰	2010	Within baseline data collection area	Widespread on the coast and southern heaths of Britain and Ireland, but is declining in many areas, particularly inland
Green-brindled Crescent	A moth	6	SPI	2001-2015	Within baseline data collection area	Broadleaved woodland, hedgerows and gardens
Grey Dagger	A moth	12	SPI	2007	Within baseline data collection area	Most habitats but particularly woodland, hedgerows and gardens
Heriades truncorum	A bee	1	Red Data Book K, Red List Rare (GB pre-1994)	2016	0.15km	Heathland, grassland, open woodland, gardens, and brown field sites, usually along side deadwood and abundant Common Ragwort.
Hedge Rustic	A moth	1	SPI	2013	0.30km	Range of open grasslands and rough grassy places

²⁰ Duffey, 1992, *British red data books: Vol 3. Invertebrates other than insects*; and Shirt, 1987, *British red data books: Vol. 2 Insects* are relevant to terrestrial invertebrates. Species listed are categorised into three groups: RDB 1 (Endangered), RDB 2 (Vulnerable), RDB 3 (Rare), or RDB K (present in an unknown number of squares).



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Spined Hylaeus	A solitary bee	2	Notable-A	2015-2016	Within baseline data collection area	Open deciduous woodland, fenland and, especially, calcareous grassland
Knot Grass	A moth	18	SPI	2012-2015	Within baseline data collection area	Open habitats including gardens, grassland, heathland, wetlands and some woodlands
Lackey	A moth	15	SPI	2013-2015	Within baseline data collection area	Open habitats, especially hedgerows, scrubby places, gardens and open woodland; mainly southern England
Large Clouded Knot-horn	A moth	2	Nationally Notable B	2007	Within baseline data collection area	Grassland and dry, chalky or sandy habitats; locally distributed in south east England
Large Wainscot	A moth	41	SPI	2008-2016	Within baseline data collection area	Reed-beds and riversides
Lobe Spurred Furrow Bee	A solitary bee	6	Notable-A	2013-2016	Within baseline data	Mainly open sites, including sandy heathland and

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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
					collection area	chalk grassland
Mignonette Yellow Face	A solitary bee	2	Notable-B	2016	Within baseline data collection area	Generally open habitats, including calcareous grassland, quarries and post-industrial sites and private gardens
Mottled Rustic	A moth	40	SPI	2013-2014	Within baseline data collection area	Most lowland habitats including gardens, farmland, grassland, heathland, scrub and woodland
Narrow-bordered 5-spot Burnet Moth	A moth	1	W&CA	2014	Within baseline data collection area	Rough grassland, both dry calcareous grasslands and on damper soils, roadside verges, embankments, woodland clearings and rides and the margins of wetlands
Nephoterix angustella	A moth	1	Notable-B	2016	Within baseline data collection area	Hedgerows and scrub habitat; mainly distributed in southern England



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Oak Hook-tip	A moth	4	SPI	2011-2014	0.30km	Oak woodland and parkland
Phoenix Fly	A fly	1	SPI, Red List Rare (GB pre-1994)	2016	1.54km	Preferred habitat unknown - most records in south east England
Cotton Stem Moth	A moth	1	Nationally Notable	2014	0.30km	Wet meadows, marshes and gardens; restricted to southern England
Pied Grey	A moth	4	Nationally Notable B	2008	0.34km	Widely scattered wooded areas
Powdered Quaker	A moth	16	SPI	2012-2015	Within baseline data collection area	Usually marshy areas and damp woodland, but is known to occur in gardens and various habitats where foodplants are present
Rosy Minor	A moth	12	SPI	2007	Within baseline data collection area	Open grassy calcareous habitats, including scrub and gardens
Rosy Rustic	A moth	53	SPI	2009-2014	Within baseline data collection area	Wide range of habitats, including gardens, disturbed weedy areas and hedgerow bases



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Rustic	A moth	59	SPI	2007-2016	Within baseline data collection area	Most lowland habitats, including urban
Sallow	A moth	48	SPI	2007-2014	Within baseline data collection area	Most frequent in broadleaf woodland, marshes and fens, but also gardens and other places there are sallow and poplars
Shaded Broad-bar	A moth	24	SPI	2007-2016	Within baseline data collection area	Range of open grassy habitats
Shoulder-striped Wainscot	A moth	16	SPI	2009-2011	0.15km	Mostly in fens and marshes, also other grassy places
Sulphur Pearl	A moth	7	Nationally Notable	2008-2015	Within baseline data collection area	Heathland, downland, waste ground and cliff-tops throughout much of southern and eastern England
Lesser Pearl	A moth	4	Nationally Notable	2014	Within baseline data collection area	Grassy areas; larva feeds on a number of plants such as creeping thistle, broom and goosefoot
Small / Essex Skipper	A butterfly	1	Nationally Notable	2016	0.15km	Open grassy habitats



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
Small Emerald	A moth	42	SPI	2007	Within baseline data collection area	Woods and hedgerows where food plant grows (clematis)
Small Heath	A butterfly	1197	SPI	2009-2016	Within baseline data collection area	Heath and grassland with fine-leaved grasses
Small Square-spot	A moth	118	SPI	2009-2016	Within baseline data collection area	Many suitable habitats, preferring damp and marshy places
Spider Hunting Wasp	A wasp – exact species recorded unknown	2	Species <i>Anoplius caviventris</i> is Notable-B	2013	Within baseline data collection area	Heathlands, gardens, fields and woodland edges
Spider wasp	A wasp - exact species recorded unknown	1	Five species are listed as Notable-B	2013	0.62km	Dependent on species of spider wasp
Spinach	A moth	1	SPI	2014	0.30km	Lowland areas, including gardens and allotments with Ribes species, such as red currant and black currant
Sprawler	A moth	1	SPI	2011	1.6km	Broadleaved woodland and other wooded areas
Stag Beetle	A beetle	102	Habitats Regulations, W&CA, SPI,	2011-2013	Within baseline data	Woodland edges, hedgerows,



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
			Nationally Notable B		collection area	traditional orchards, parks and gardens. Larvae feed on rotting wood (3 -7 years)
Swollen Thighed Blood Bee	A solitary bee	2	Notable-B	2015	0.75km	Variety of open habitats
The Sallow	A moth	3	SPI	2013-2015	0.62km	Most frequent in broadleaf woodland, marshes and fens, but also gardens and other places with willow and poplars
Volucella zonaria	A hoverfly	4	Nationally Notable	2012	0.14km	Many habitats including parks and gardens
Wainscot Neb	A moth	4	Notable-B	2009	0.15km	Dry sandy areas including grassland and waste ground
White Ermine	A moth	109	SPI	2011-2015	Within baseline data collection area	Wide range of habitats, including gardens, hedgerows, woodland, moorland
White-letter Hairstreak	A butterfly	34	W&CA, SPI, Red List Endangered (GB 2001), Nationally Notable	2008-2010	0.15km	Mostly woodland rides and margins, where elms occur



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Species	Species group	No: of records	Status	Date range of records	Distance (km) to the closest record	Habitat requirements
White-mantled Wainscot	A moth	2	SPI, Red List Rare (GB pre-1994)	2010	Within baseline data collection area	Coastal reedbeds, mainly in Suffolk

- 2.4.15 A historic report accompanying a planning application (more than ten years old) for an area to the west of the Colnbrook Logistics Centre included invertebrate reports of the following species of importance: *Volucella inanis* (a hoverfly; Nationally Notable), *Volucella zonaria* (a hoverfly; Nationally Notable), *Campiglossa solidaginis* (a fruit fly; Nationally Notable), *Elachiptera uniseta* (a grass fly; Nationally Notable) and *Lasius brunneus* (an ant; Nationally Notable).
- 2.4.16 In addition to the above, anecdotal records of stag beetle and honey bee, as well as multiple species of bumble bee, dragonfly, damselfly and butterfly have been described for the Harmondsworth Moor area.

Aquatic invertebrates

- 2.4.17 Records of aquatic invertebrates were obtained from the Environment Agency. A total of 100 records were returned, a summary of the seven-species recorded (of nationally notable status or greater) are given in Table 6.2.16.
- 2.4.18 The distribution of these records are shown in Figure 6.2.13.

Table 6.2.16 Summary of aquatic invertebrate records

Species	Species group	No: of records	Status	Date range of records	Distance (m) to the closest record	Habitat requirements
<i>Oulimnius troglodytes</i>	Insect	1	Nationally Scarce, Notable B	2007 - 2016	Within baseline data collection area	
Yellow-legged Water-snipefly	Insect	1	Nationally Scarce	2007 - 2016	Within baseline data collection area	



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Species	Species group	No: of records	Status	Date range of records	Distance (m) to the closest record	Habitat requirements
Depressed river mussel	Mollusc	35	Nationally Scarce, SPI	2007 - 2016	Within baseline data collection area	This species is found in lotic freshwater ecosystems including lakes and rivers, and prefers a silt-sandy substrate.
River orb mussel	Mollusc	2	Nationally Scarce	2007 - 2016	Within baseline data collection area	This species prefers rivers with muddy sediments and low current velocities. It can also be found in swamps and wetlands
Lister's river snail	Mollusc	52	Nationally Scarce	2007 - 2016	Within baseline data collection area	This species lives in generally lentic habitats, in large slow-flowing rivers, large drainage ditches, fenland dykes, ditches on grazing marshes, and occasionally in large ponds and lakes
Ceraclea senilis	Insect	8	Nationally Notable	2007 - 2016	Within baseline data collection area	Around still or slow moving water but also attracted to light
White-clawed Crayfish	Crustacean	1	Habitats Regulations, W&CA, SPI	2010	0.14 km SE	

Fish

2.4.19 Records of fish recorded in the last ten years were obtained from the Environment Agency. The presence of 20 fish species was highlighted, including seven notable species. Records are summarised in Table 6.2.17. Fish records and sampling sites are shown in Figure 6.2.14.



Table 6.2.17 Summary of fish records

Species	No: of records	Status	Date range of records	Distance (m) to the closest record	Habitat requirements
Barbel	74	Habitats Regulations	1986 - 2015	Within baseline data collection area	Middle reaches; moderate to fast flow, moderate productivity, high oxygenation, gravel substratum
Brook lamprey	1	Bern Convention (Annex III), Habitats Regulations	2012	15km	Stream dwelling, requires clean gravel beds for spawning and soft marginal silt or sand for ammocoete larvae.
Brown/sea trout	24	SPI	1986 - 2015	Within baseline data collection area	Preference for upper reaches of cold streams/rivers, including lakes. Spawns in rivers and streams with moderate-fast flow on clean gravel.
Bullhead	116	Habitats Regulations	1986 - 2015	Within baseline data collection area	Stony stream and rivers, and some lakes
Carp/carp varieties	15	Red List Status Vulnerable. Non-native established in UK	2000 - 2013	Within baseline data collection area	Tolerant of wide range of conditions. Preference for warm, deep, slow-flowing water, typically lowland rivers and large vegetated lakes
European Eel (glass/elvers/adult)	113	EU Eel Regulations, The Eels Regulations, SPI, OSPAR list of threatened species, IUCN Red List (CR)	1986 - 2015	Within baseline data collection area	Middle and lower river reaches and small lowland tributaries, still or slow flowing.



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Species	No: of records	Status	Date range of records	Distance (m) to the closest record	Habitat requirements
Grayling	2	Bern Convention Annex (III), Habitats Regulations	1986 & 2009	Within baseline data collection area	Well oxygenated river rivers with coarse substrata and cold fast-flowing water.

2.4.20 In addition to the above records, anecdotal records of tench, pike, perch, roach, barbel, brown trout, rudd, bream, bullhead, eel, and chub were supplied for the Harmondsworth Moor area.

Veteran trees

2.4.21 Records of potential veteran trees and notable trees were taken from The Woodland Trust Ancient Tree Inventory (The Woodland Trust, 2017).

2.4.22 Twelve potential veteran trees, two notable trees and one ancient tree were identified within the baseline data collection area. The locations of potential veteran and ancient trees are shown in Figure 6.1.15.

Vascular plants

2.4.23 Records of vascular plants were returned from TVERC, BMKERC, GIGL and Heathrow's Environment Team.

2.4.24 A total of 39 records of species individually protected under the Wildlife and Countryside Act 1981 (as amended) or listed as Nationally Scarce or Nationally Rare are summarised below in Table 6.2.18. The distribution of these records are shown in Figure 6.2.16.

Table 6.2.18 Summary of vascular plant records

Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Annual Beard-grass	1	Nationally Scarce ²¹ . Red List GB_2005 ²² -LC, RedList_ENG_2014 ²³ -LC	2012	Within baseline data collection area
Bluebell	15	W&CA RedList_GB_2005-LC,	2012 – 2016	Within baseline data collection area

²¹ Botanical Society of Britain and Ireland (BSBI): Rare Plant Register for rare and scarce species

²² The Vascular Plant Red Data List for Great Britain 2005

²³ A Vascular Plant Red List for England 2014



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Species	No: of records	Status	Date range of records	Distance (km) to the closest record
		RedList_ENG_2014-LC		
Enchanter's Nightshade	2	Nationally Scarce RedList_GB_2005-LC, RedList_ENG_2014-LC	2012 – 2013	0.63km
Fringed Water-lily	4	Nationally Scarce RedList_GB_2005-LC, RedList_ENG_2014-LC	2012	Within baseline data collection area
Galingale²⁴	1	Nationally Scarce	2011	1.16km
Hoary Mullein	1	Nationally Scarce. RedList_GB_2005-LC, RedList_ENG_2014-LC	2009	1.25km
Marsh Stitchwort	1	Nationally Scarce RedList_GB_2005-LC, RedList_ENG_2014-LC	2013	Within baseline data collection area
Perennial Flax	1	Nationally Scarce. Excludes Red Listed taxa, RedList_GB_2005-LC, RedList_ENG_2014-LC	2009	0.40km
Scots Pine	3	Nationally Scarce, RedList_GB_2005-LC, RedList_ENG_2014-WL	2014 – 2015	Within baseline data collection area
Round-leaved Mint	1	Nationally Scarce, RedList_GB_2005-DD, RedList_ENG_2014-NT	2009	0.40km
Wild Service-tree	1	Nationally Rare	-	-
Slender Tare	5	Nationally Scarce, RedList_GB_2005-VU, RedList_ENG_2014-VU	2012	Within baseline data collection area

²⁴ Galingale is a species group, not all Galingale species are protected however no more detailed information on the exact species was available.



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Species	No: of records	Status	Date range of records	Distance (km) to the closest record
Toothed Medick	1	Nationally Scarce. RedList_GB_2005-LC, RedList_ENG_2014-LC	2009	0.40km
Yellow Vetchling	2	Nationally Scarce RedList_GB_2005-VU, RedList_ENG_2014-VU	2012 – 2014	Within baseline data collection area

Aquatic vascular plants

2.4.25 Records of aquatic vascular plants were provided by the Environment Agency, sourced from their macrophyte monitoring database. No aquatic vascular plant species were recorded with designation or protected status within the sites surveyed in the last ten years.

Invasive species

2.4.26 Records of invasive species (those noted in the Wildlife & Countryside Act 1981 (as amended)) were returned from TVERC, GIGL, the Environment Agency and from reports and data sets held by Heathrow's Environment Team. Information was also provided by private landowners and the EIA Scoping Report for the Western Rail Link to Heathrow Project. For the purposes of this report invasive species records have been divided into botanical and faunal records. A total of 379 botanical and 358 faunal records were provided, a summary of which is given in Table 6.2.19 and Table 6.2.20 respectively. Species marked with an asterisk denotes aquatic plant species. The distribution of these records are shown in Figure 6.2.17.

Table 6.2.19 Summary of invasive flora records

Species	No: of records	Date range of records	Distance (m) to the closest record
Canadian waterweed*	7	2009	Within baseline data collection area
Cotoneaster	13	2009	Within baseline data collection area
Entire-leaved cotoneaster	1	2009	1.2km



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Species	No: of records	Date range of records	Distance (m) to the closest record
Floating pennywort*	2	2010 – 2015	Within baseline data collection area
Giant Hogweed	76	2012 – 2016	Within baseline data collection area
Himalayan Balsam	149	2007 - 2015	Within baseline data collection area
Himalayan cotoneaster	3	2009	1.9km
Hyacinth sp.*	1	2012	Within baseline data collection area
Japanese Knotweed	107	2014	Within baseline data collection area
Montbretia	2	2009	0.44km
New Zealand pigmyweed*	8	2012	1.72km
Nuttall's waterweed*	7	2007 - 2015	Within baseline data collection area
Water fern*	3	2009	Within baseline data collection area

Table 6.2.20 Summary of invasive fauna records

Species	No: of records	Date range of records	Distance (m) to the closest record
American mink	12	2010-2011	Within baseline data collection area
Chinese muntjac	31	2015	Within baseline data collection area
Grey Squirrel	20	2012 - 2016	Within baseline data collection area
Marsh Frog	21	2012 - 2016	Within baseline data collection area
Ring-necked parakeet	273	2015	Within baseline data collection area
Signal crayfish	1	2010	Within baseline data collection area



GLOSSARY

Term/ abbreviation	Description
Convention on Wetlands / Ramsar	The intergovernmental treaty that provides the framework for the conservation and wise use of wetlands and their resources. Ramsar sites are wetlands of international importance designated under the Ramsar Convention.
Local Nature Reserve (LNR)	A LNR is a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949, and amended by Schedule 11 of the Natural Environment and Rural Communities Act 2006, by principal local authorities.
Local Wildlife Sites (LWS)	LWSs are identified and selected locally using robust, scientifically-determined criteria and detailed ecological surveys. Other names for LWS in the search area include Site of Nature Conservation Interest (SNCI), Site of Importance for Nature Conservation (SINC) and Biological Notification Site
Sites of special scientific interest (SSSI)	SSSIs provide statutory protection for the best examples of the UK's flora and fauna.
Special Areas of Conservation (SAC)	SACs are designated under the EC Habitats Directive. SACs are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs, together with SPAs, form the Natura 2000 network.
Special Protection Areas (SPA)	SPAs are classified by the UK Government under the EC Birds Directive. The Directive applies to the UK and the overseas territory of Gibraltar. SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union. SPAs, together with SACs, form the Natura 2000 network.



FIGURES







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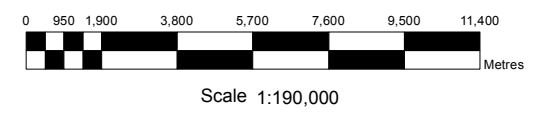


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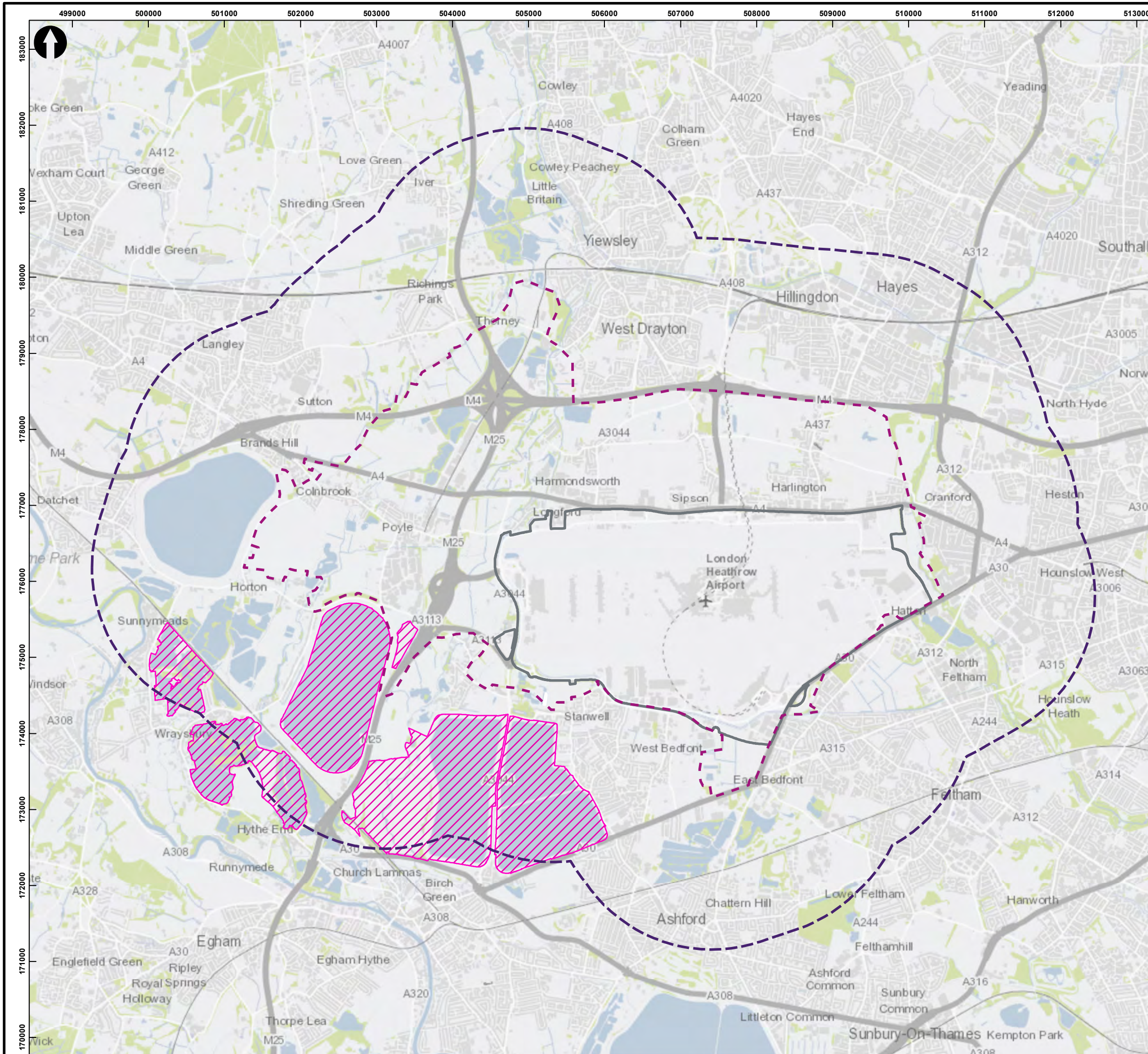
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-  Heathrow Planning Boundary
-  Baseline data collection area to date
-  20km search area
-  Ramsar
-  Special Protected Areas
-  Special Areas of Conservation



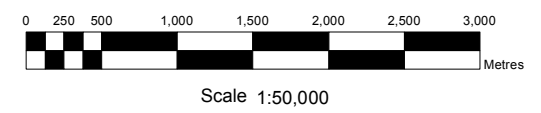
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Title Figure 6.2.1: International / European sites				
Company Wood	Drawn By BUTLS	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000105				Version 1.0



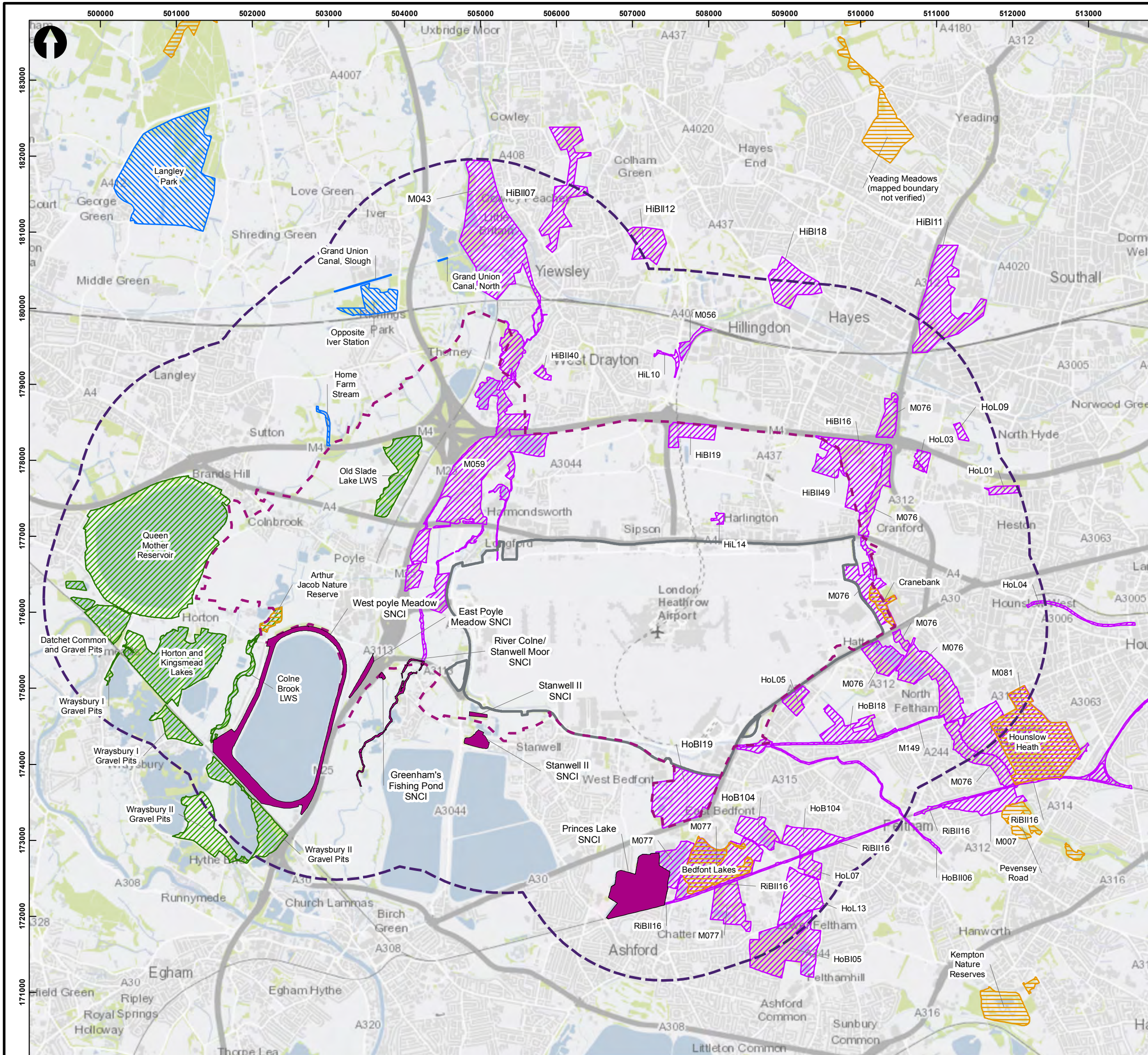
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- Heathrow Planning Boundary
- Baseline data collection area to date
- 2km search area
- Site of Special Scientific Interest



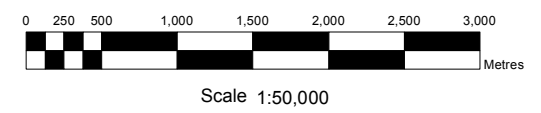
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Project Name Heathrow Expansion Project				Heathrow Project No. HEP53
Title Figure 6.2.2: Sites of Special Scientific Interest				
Company Wood	Drawn By BUTLS	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000106				Version 1.0



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- Heathrow Planning Boundary
- Baseline data collection area to date
- 2km search area
- Local Nature Reserve
- Site of Importance for Nature Conservation
- Biological Notification Site
- Local Wildlife Site
- Sites of Nature Conservation Interest

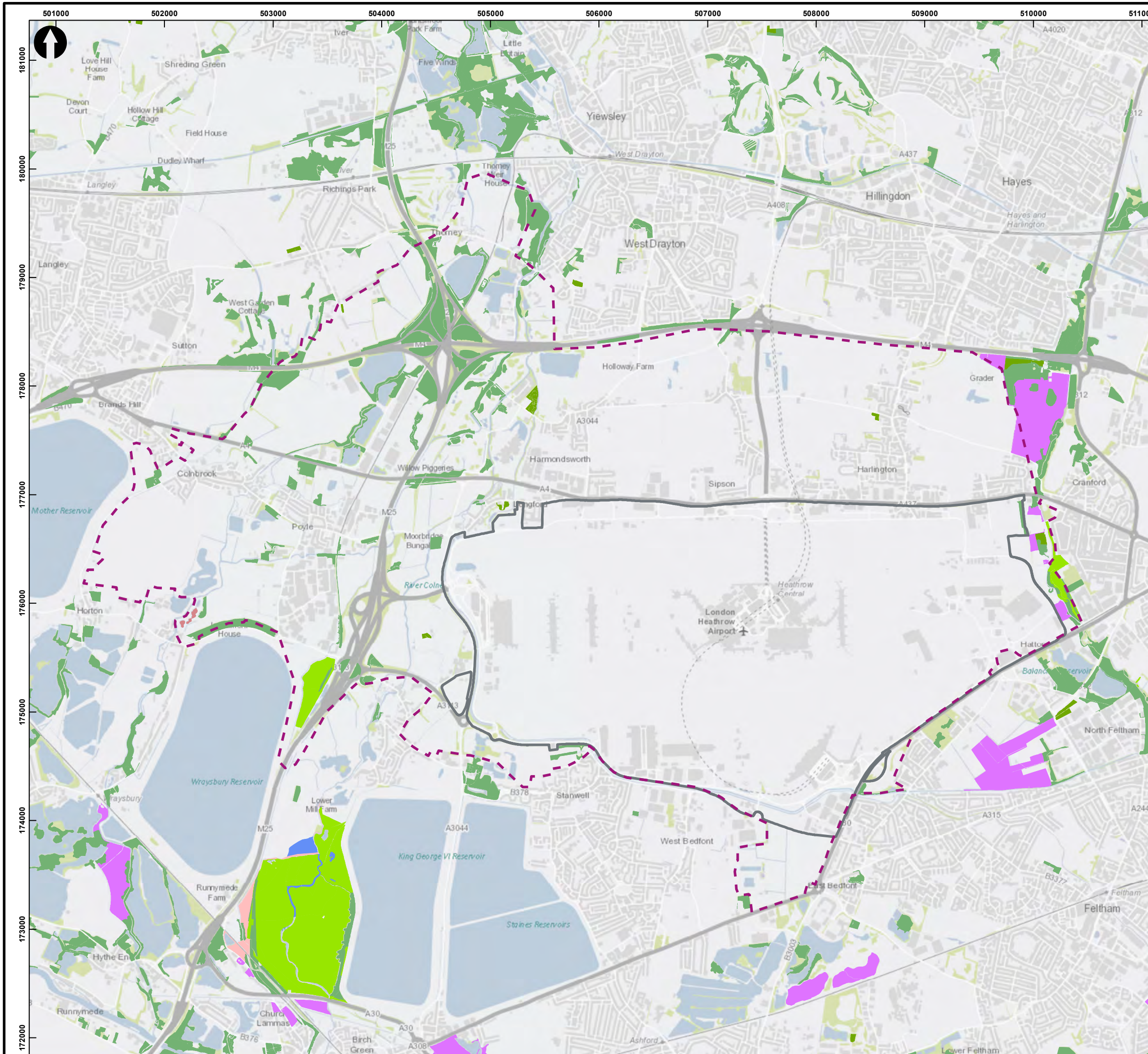


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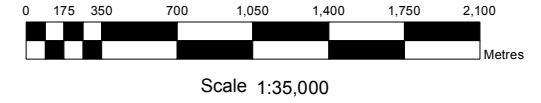
Title
 Figure 6.2.3: Local Nature Reserves and non-statutory sites

Company Wood	Drawn By BUTLS	Chk/Approved KIRBA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000107				Version 1.0



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- Heathrow Planning Boundary
- Baseline data collection area to date
- Priority Habitats Inventory**
- Coastal and floodplain grazing marsh
- Deciduous woodland
- Good quality semi-improved grassland
- Lowland calcareous grassland
- Lowland dry acid grassland
- Lowland fens
- Lowland heathland
- Lowland meadows
- Purple moor grass and rush pastures
- Reedbeds
- Traditional orchard

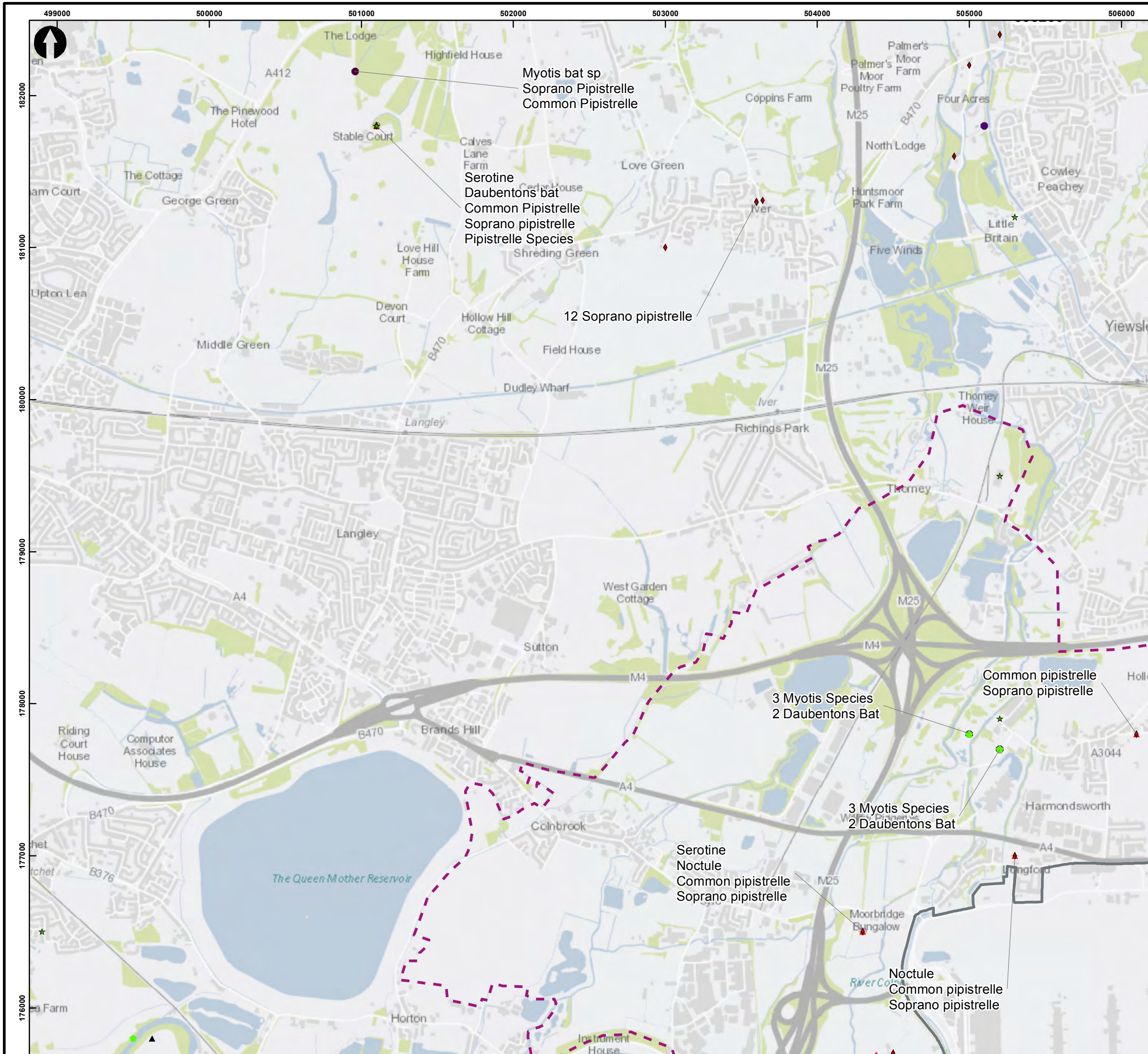


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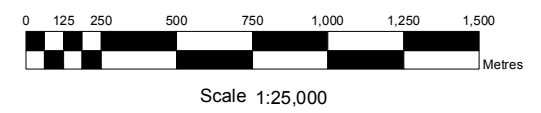
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 Figure 6.2.4: Distribution of habitats of principal importance

Company Wood	Drawn By BUTLS	Chk/Approved KIRBA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000108				Version 1.0



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- ▲ Common pipistrelle
- Daubentons bat
- Leisler's bat
- Lesser noctule
- Long-eared bat species
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- ▲ Nathusius's pipistrelle
- + Natterers bat
- + Noctule
- × Nyctalus species
- ★ Pipistrelle bat species
- Serotine
- ◆ Soprano pipistrelle
- Unidentified bat
- ◇ Whiskered bat

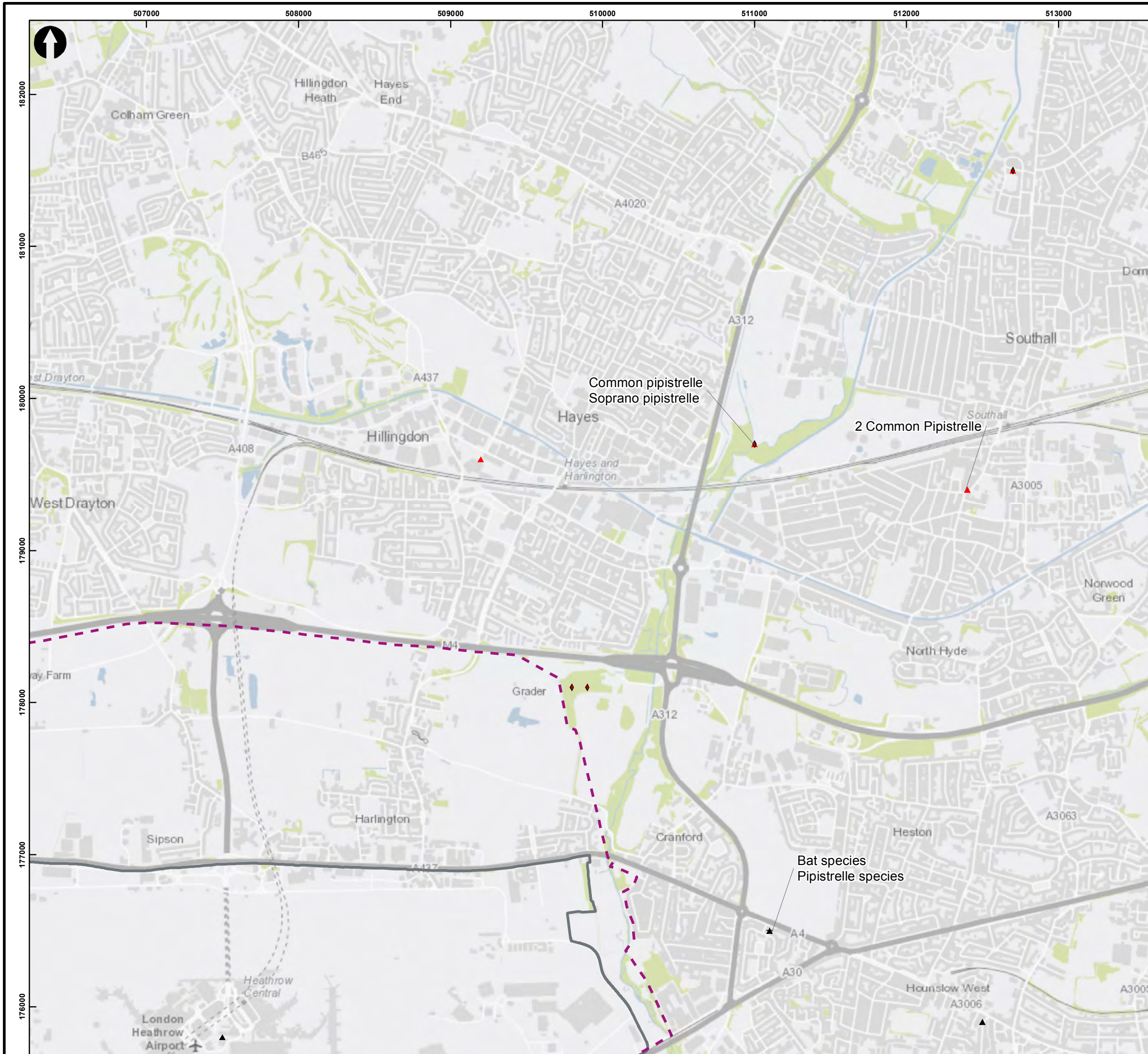


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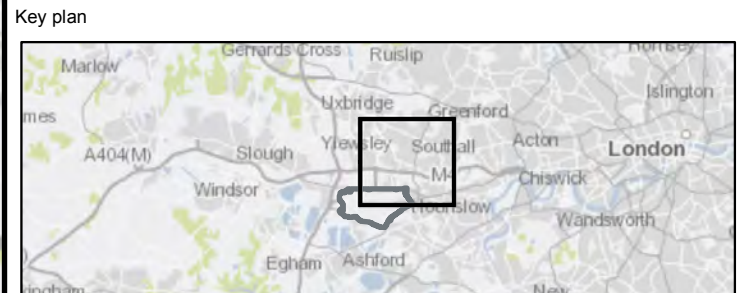
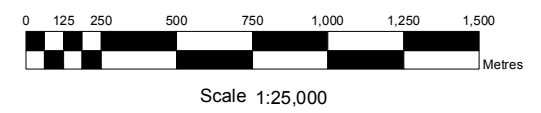
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Figure 6.2.5: Distribution of bat records

Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000109				Version 1.0



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- Unidentified bat
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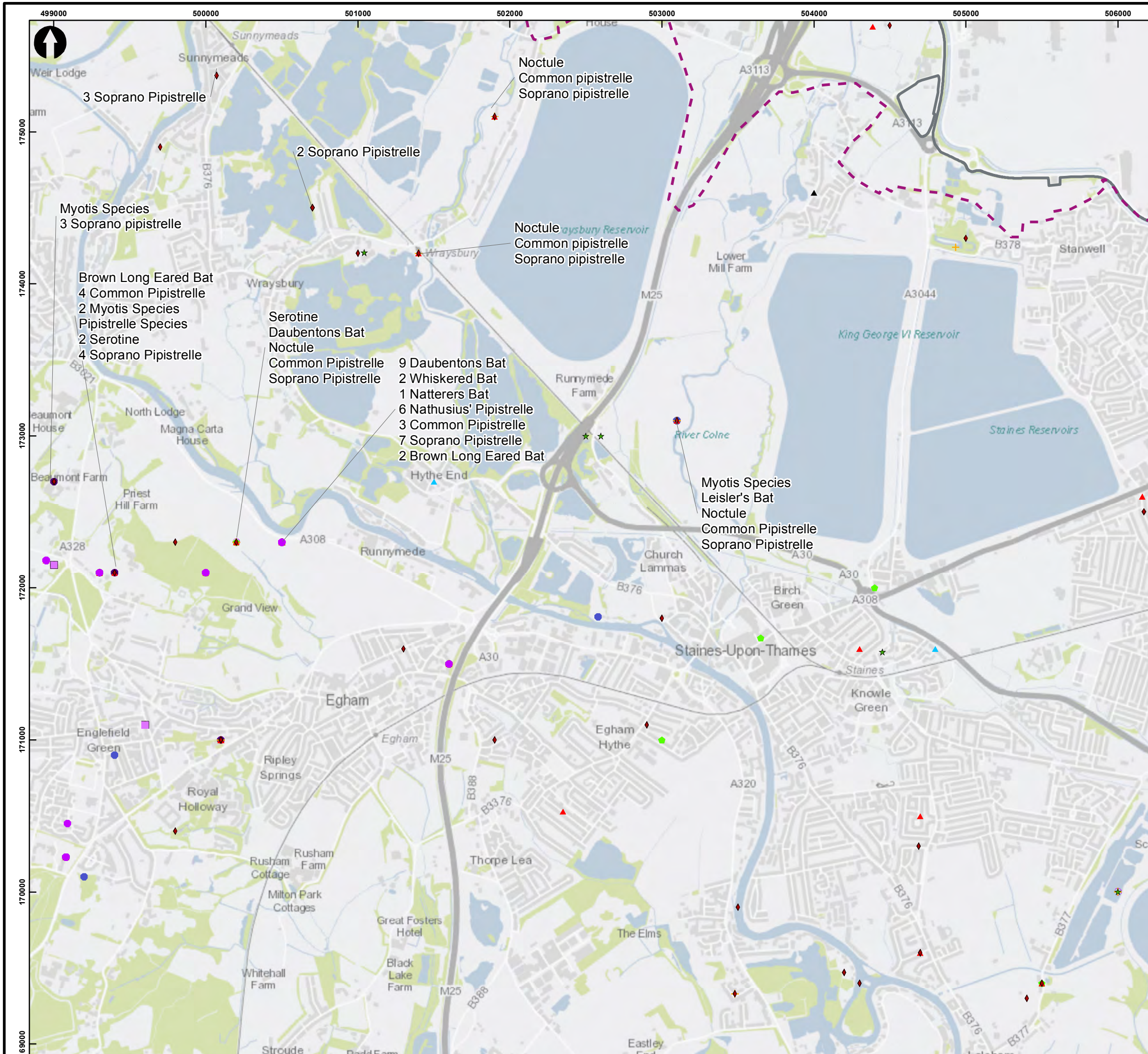


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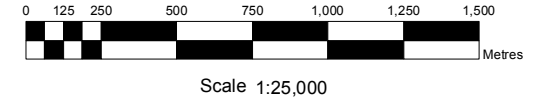
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Figure 6.2.5: Distribution of bat records

Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000109				Version 1.0



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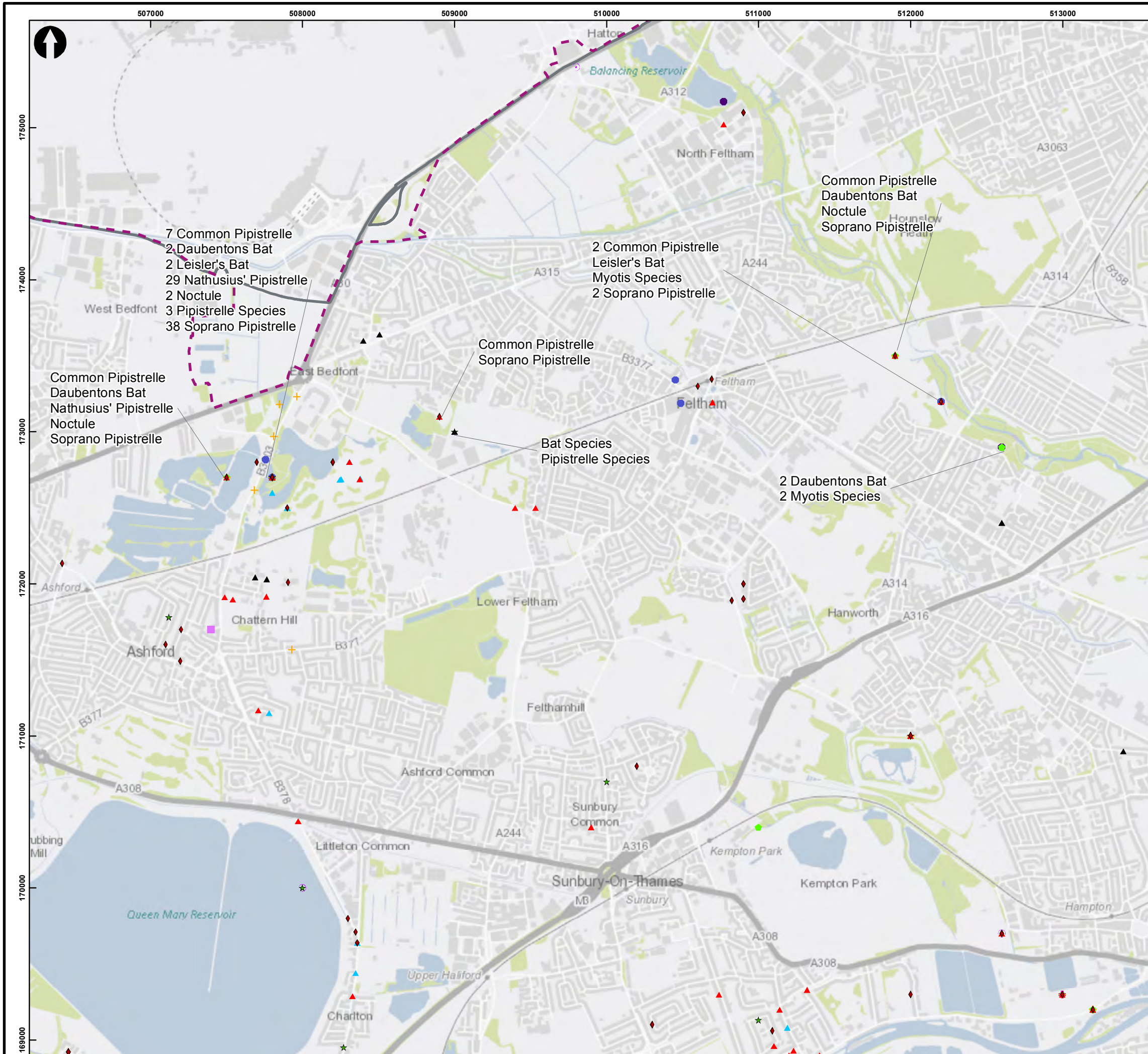


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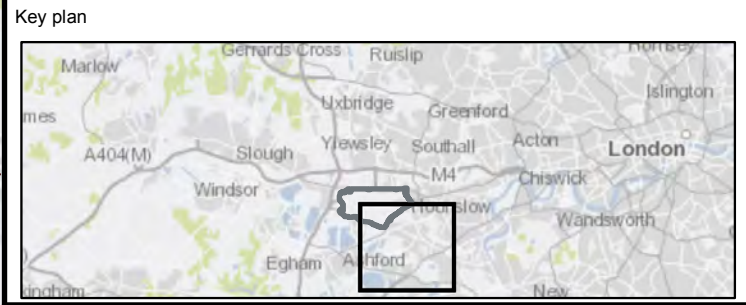
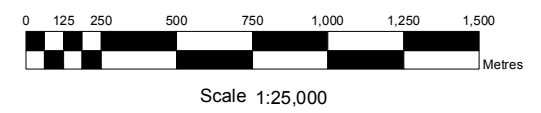
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Figure 6.2.5: Distribution of bat records

Company Wood	Drawn By GRES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000109				Version 1.0



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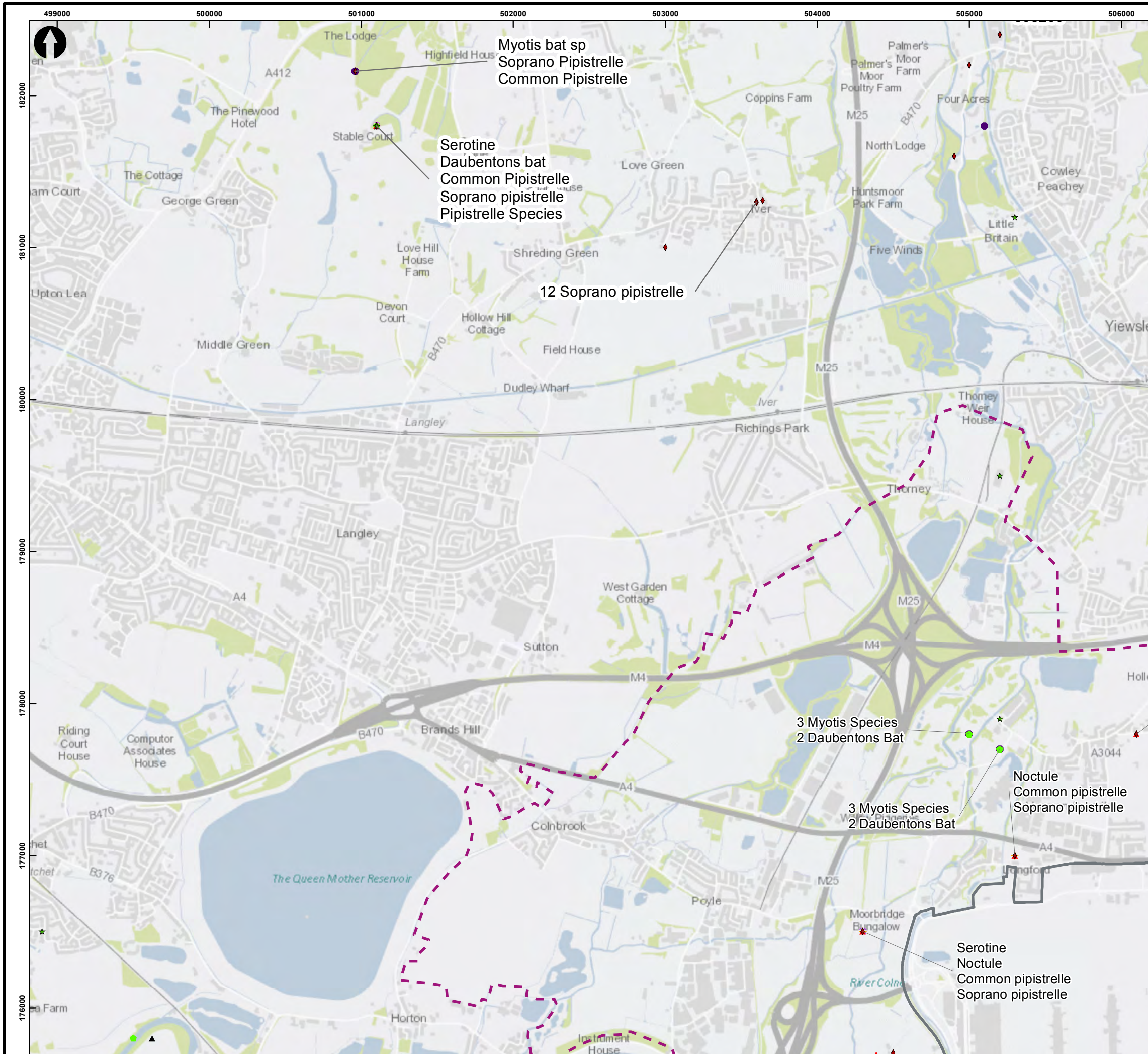


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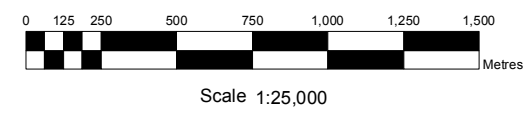
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 Figure 6.2.5: Distribution of bat records

Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000109				Version 1.0



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- Unidentified bat
- ◆ Whiskered bat

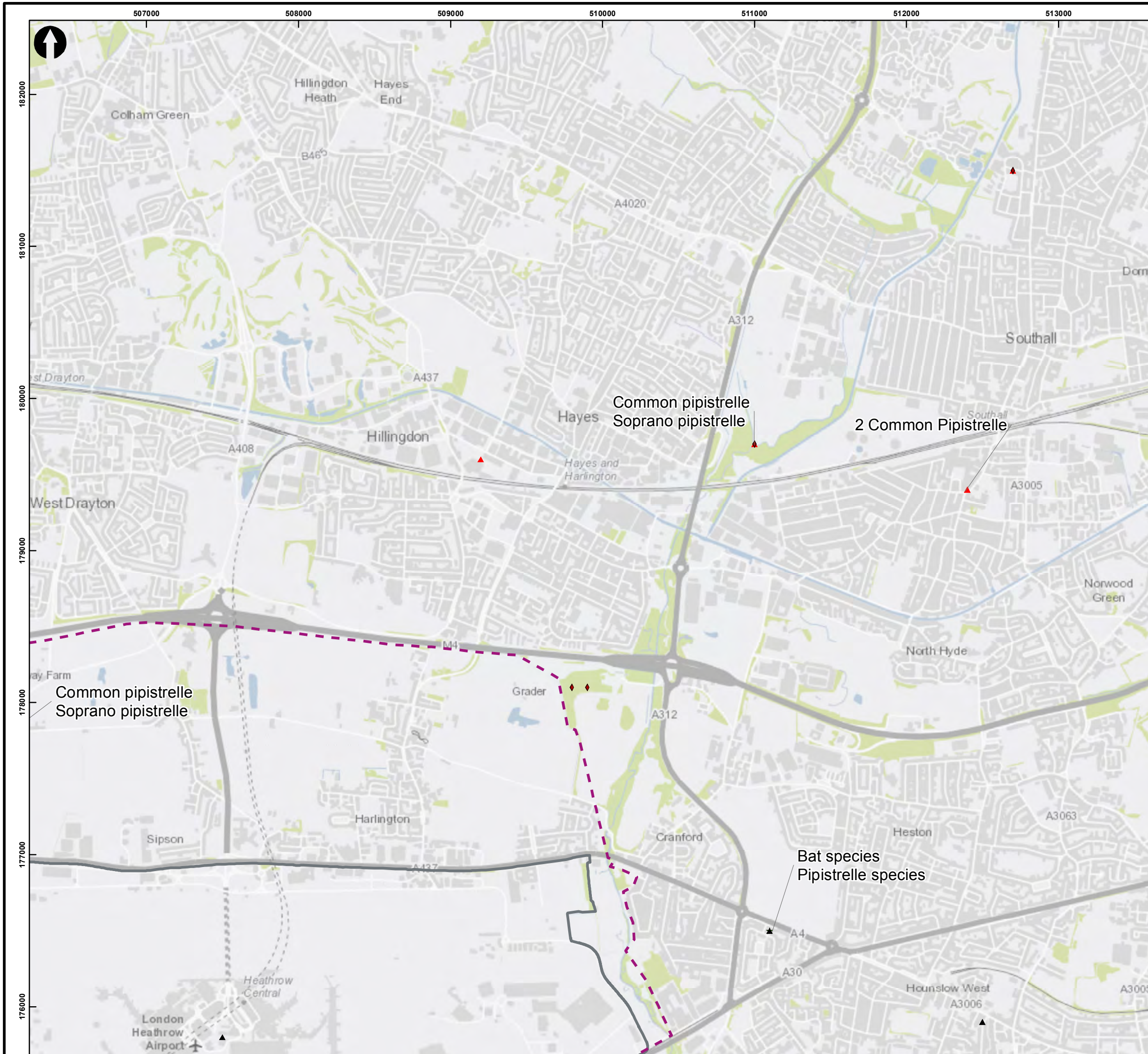


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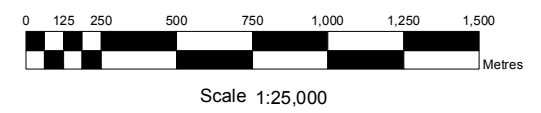
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Figure 6.2.6: Distribution of bat records

Company Wood	Drawn By GRES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000110				Version 1.0

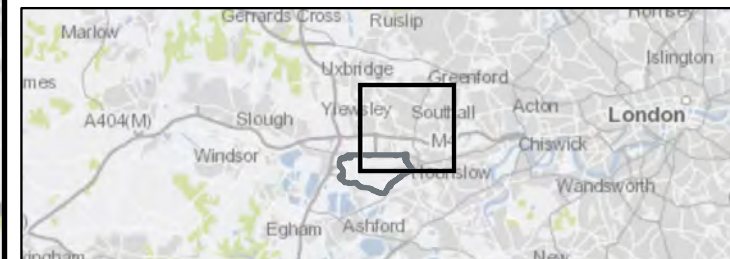


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- ★ Pipistrelle bat species
- Serotine
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- Unidentified bat
- ◇ Whiskered bat



Key plan



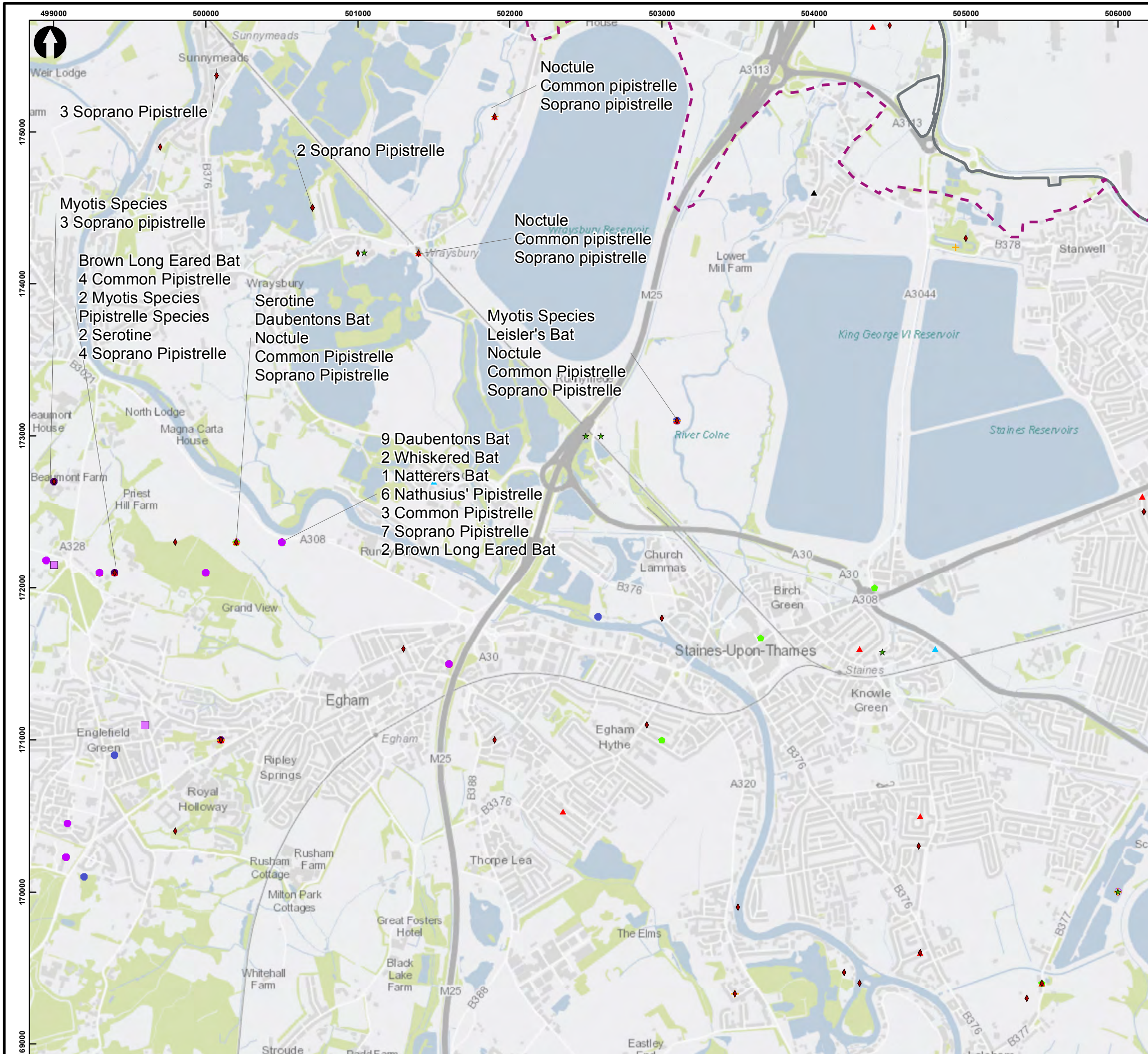
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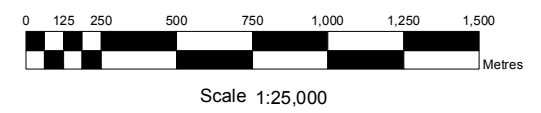
Figure 6.2.6: Distribution of bat records

Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
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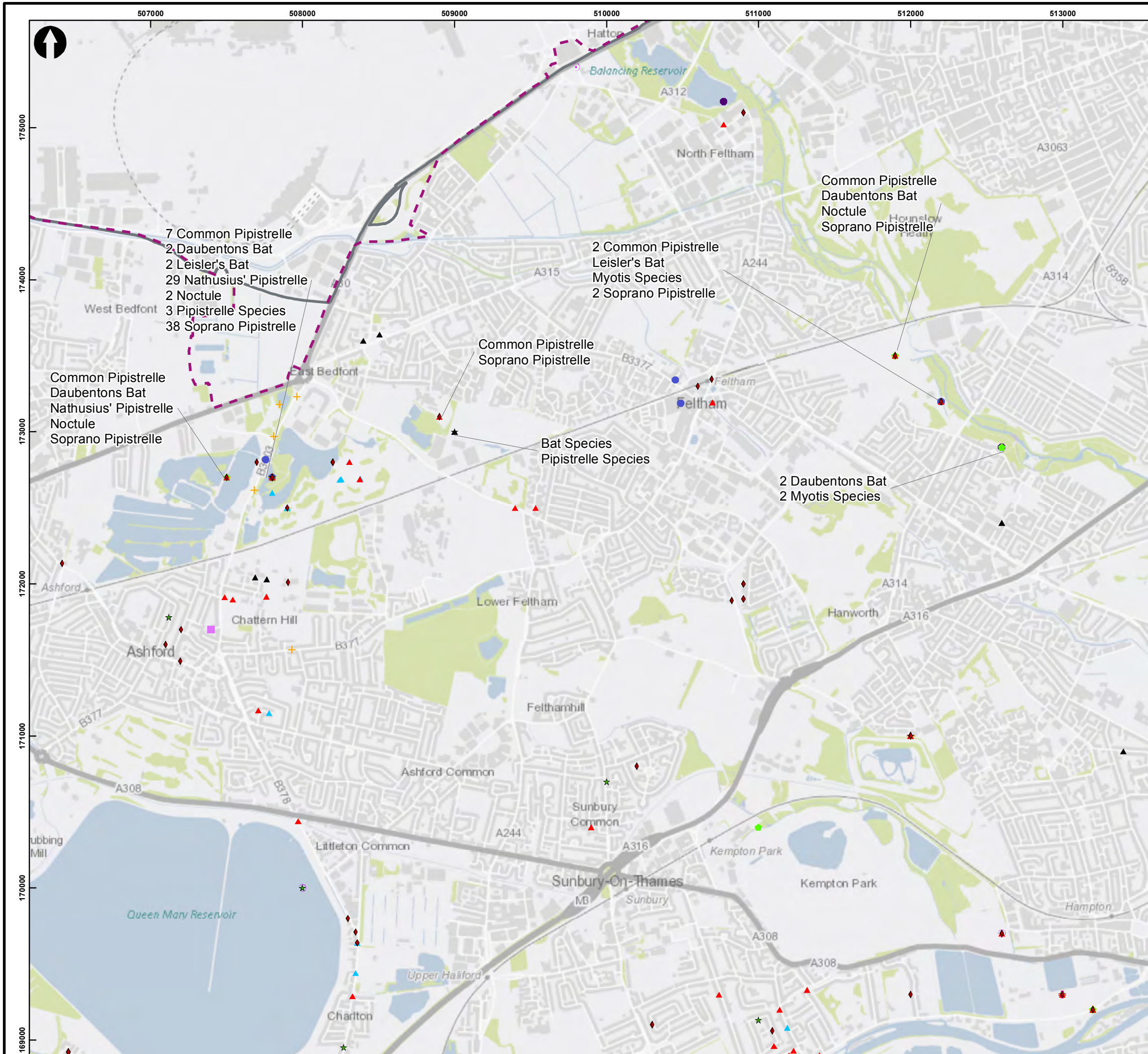


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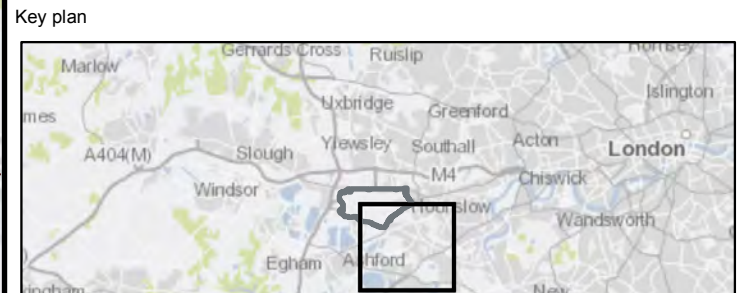
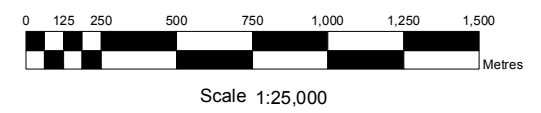
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Figure 6.2.6: Distribution of bat records

Company Wood	Drawn By GRES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000110				Version 1.0



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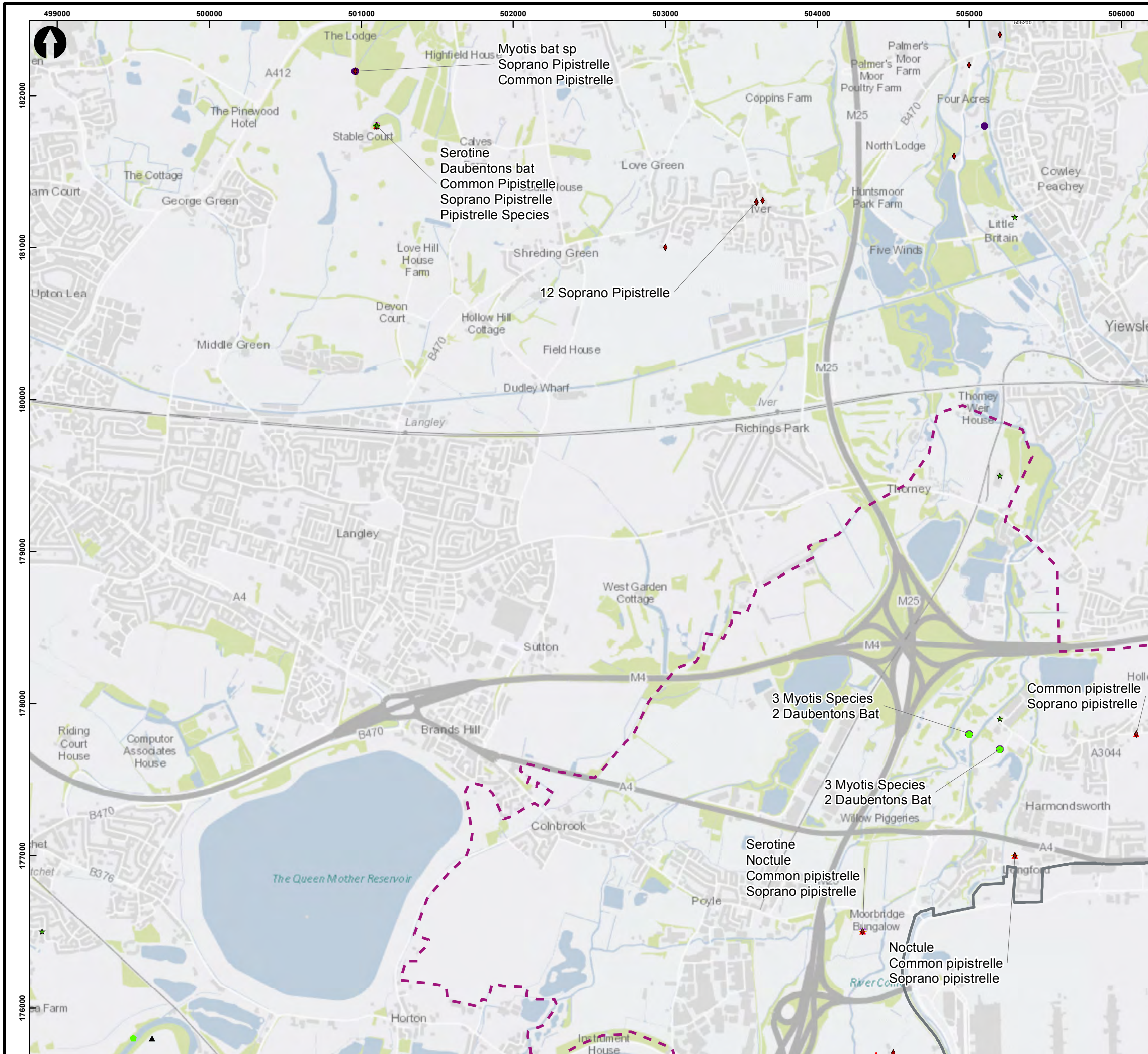


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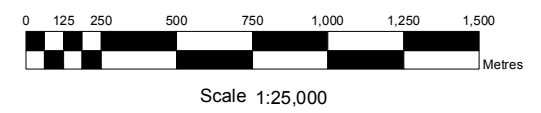
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Figure 6.2.6: Distribution of bat records

Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000110				Version 1.0



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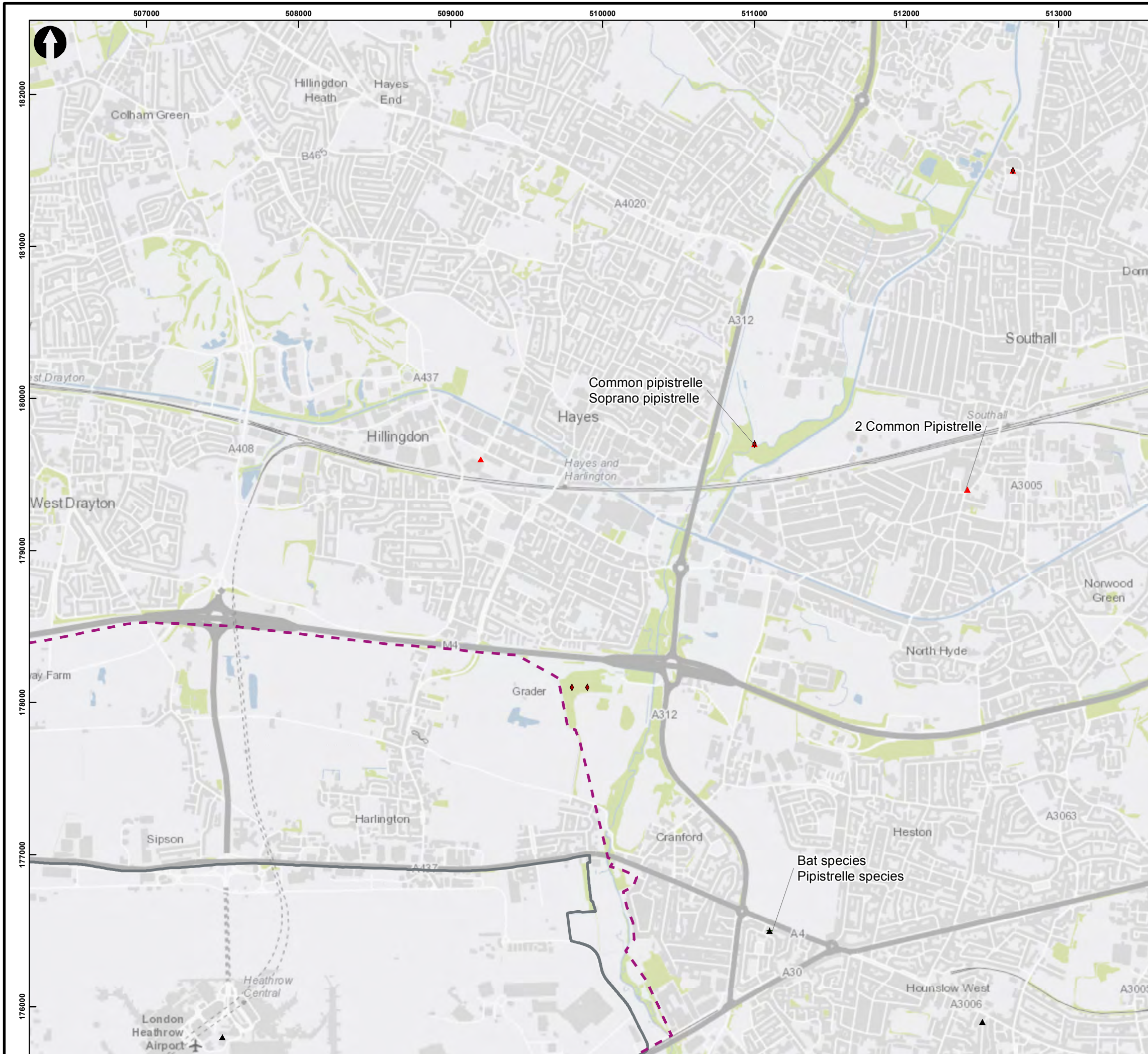


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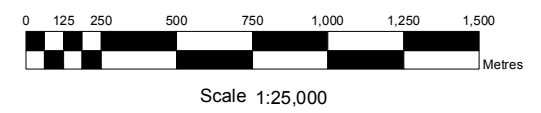
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 Figure 6.2.7: Distribution of bat records

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000111				Version 1.0

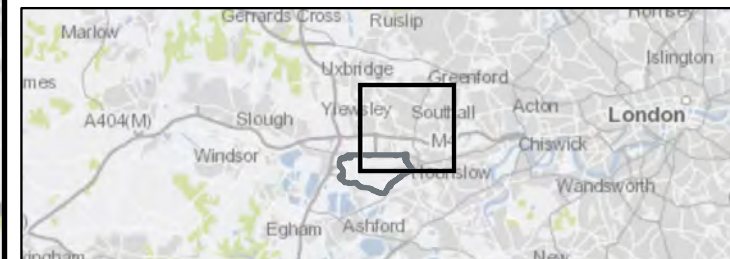


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Key plan

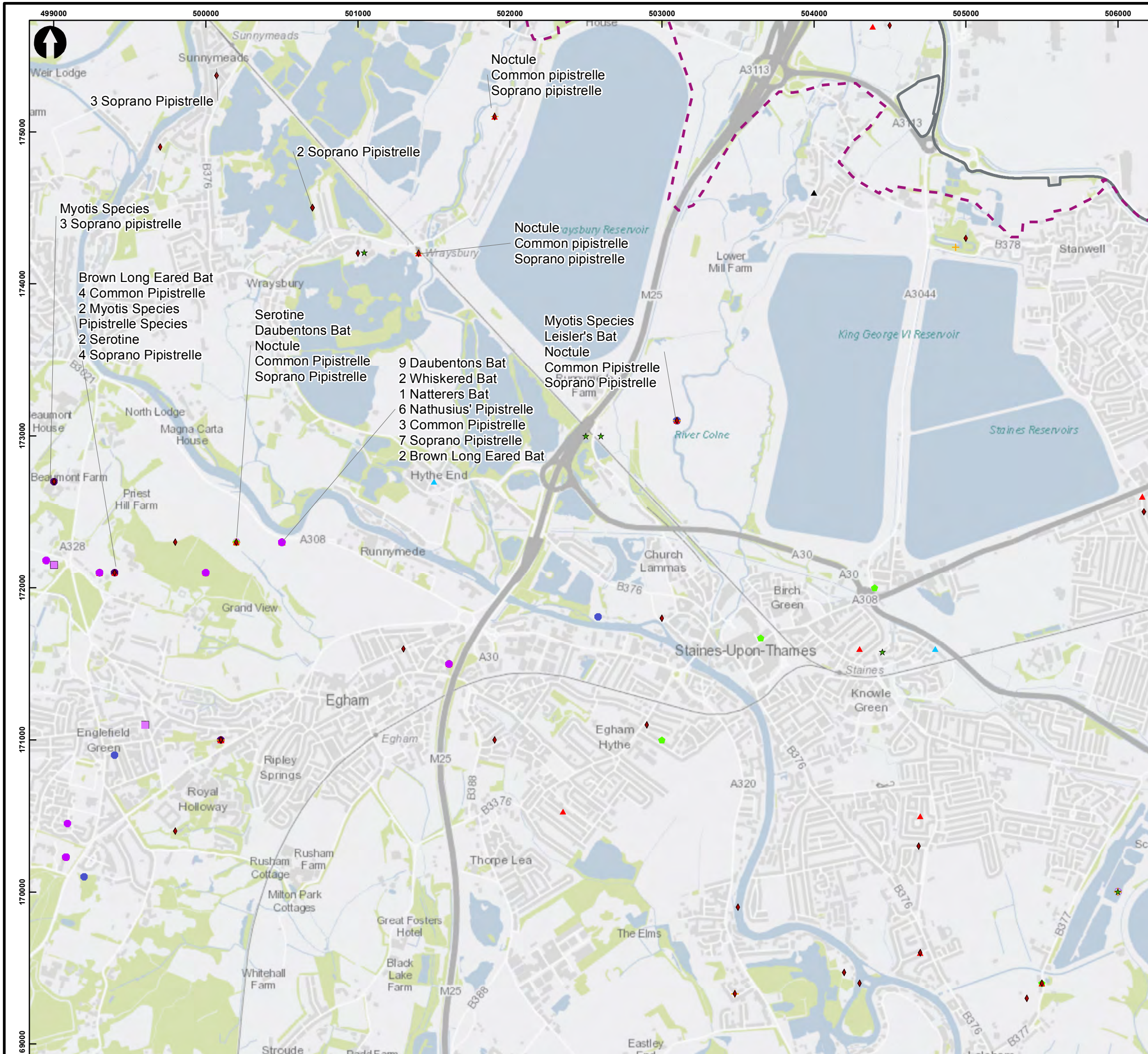


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Figure 6.2.7: Distribution of bat records

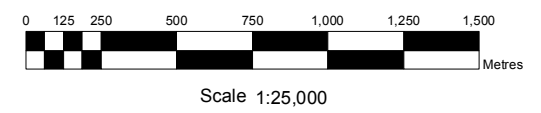
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Heathrow Planning Boundary
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Key plan

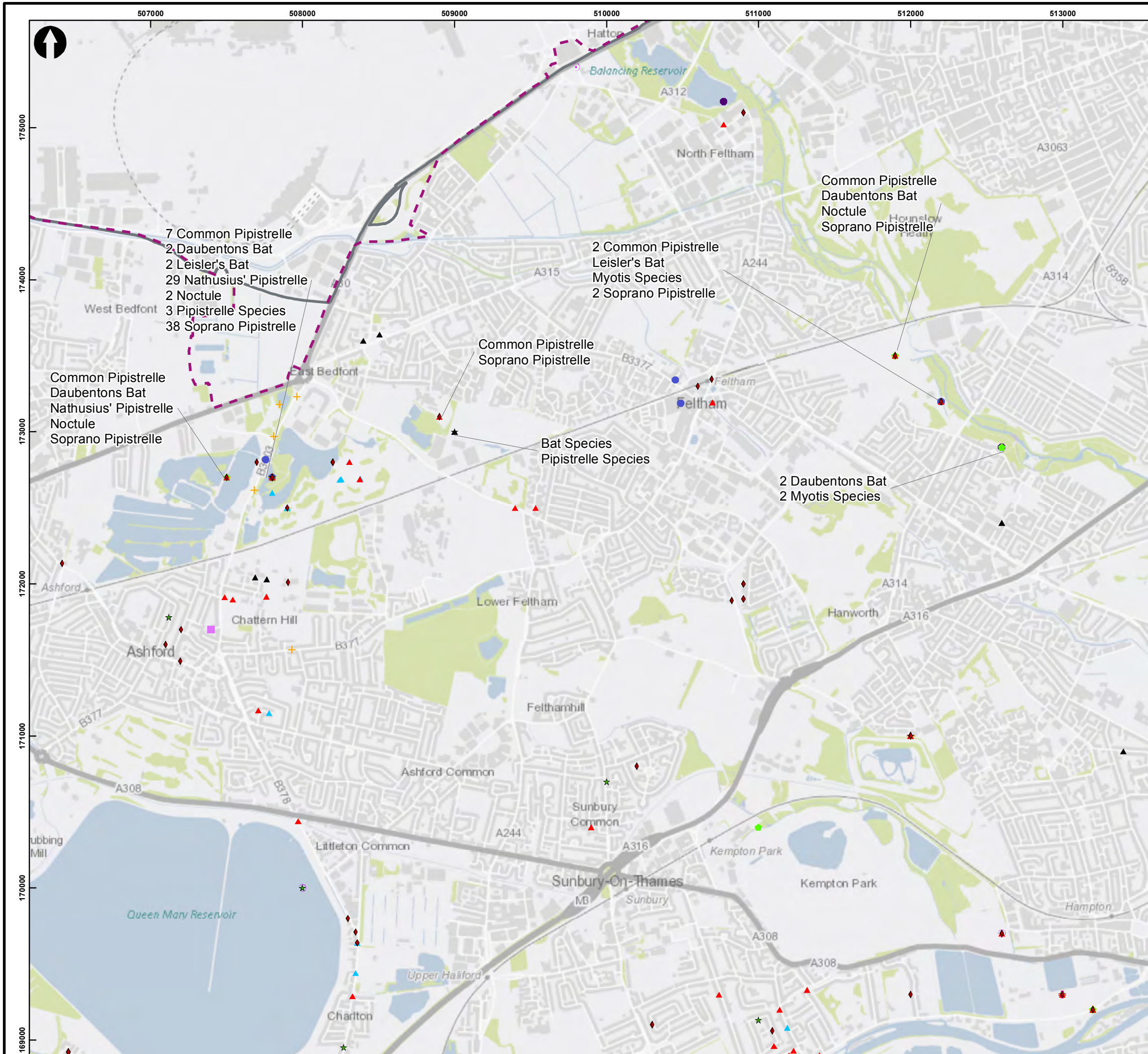


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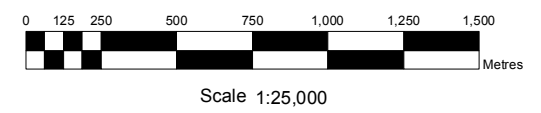
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Heathrow Planning Boundary
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Key plan

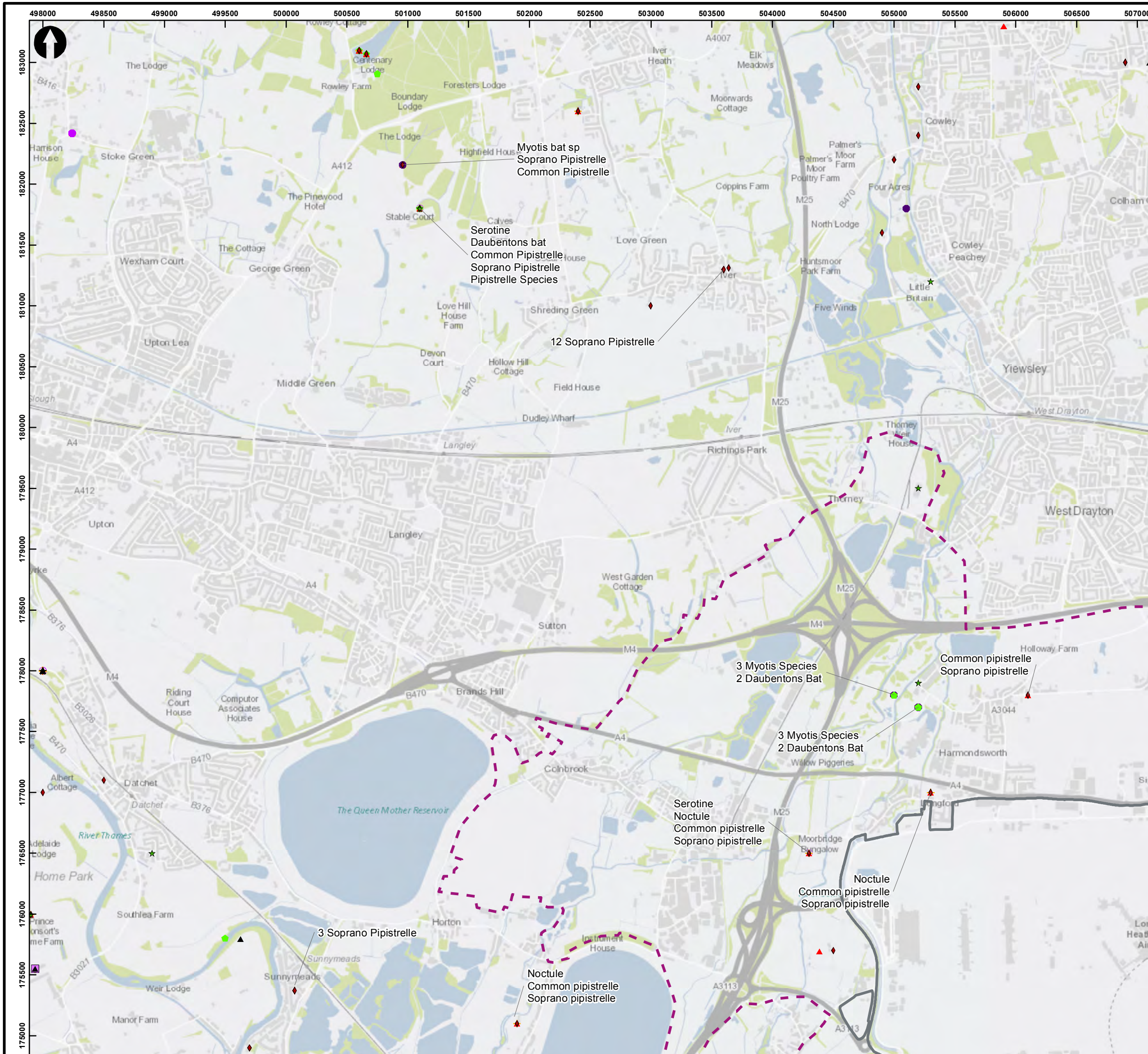


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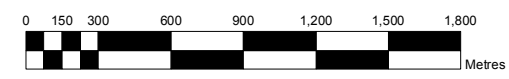
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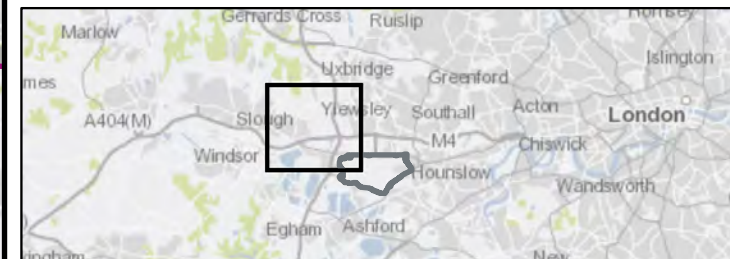
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Scale 1:31,250

Key plan

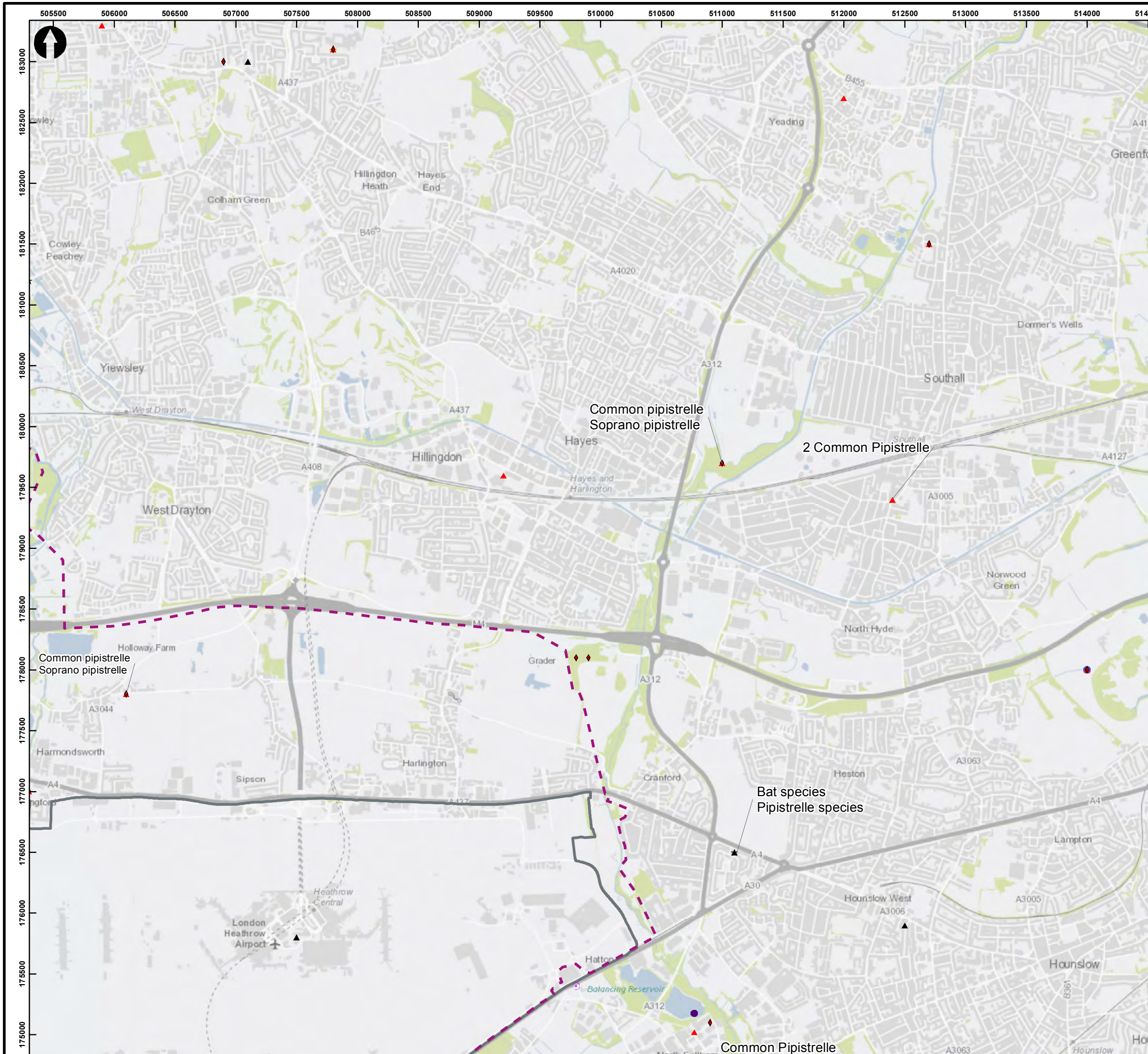


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Figure 6.2.8: Distribution of bat records

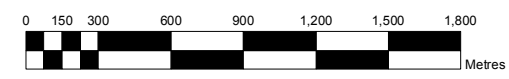
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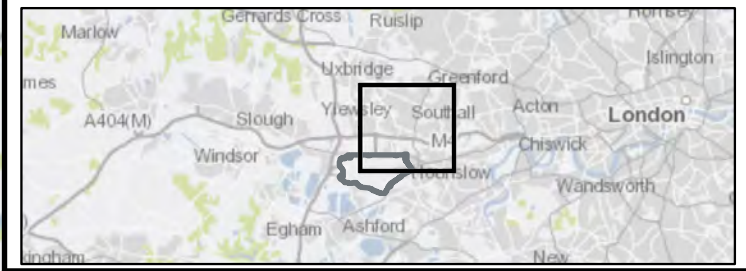
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- ▲ Bat species
- Brown long-eared bat
- ▲ Common pipistrelle
- Daubentons bat
- Leisler's bat
- Lesser noctule
- Long-eared bat species
- Myotis
- ▲ Nathusius's pipistrelle
- ◆ Natterers bat
- Noctule
- × Nyctalus species
- ★ Pipistrelle bat species
- Serotine
- ◆ Soprano pipistrelle
- Unidentified bat
- ◆ Whiskered bat



Scale 1:31,250

Key plan

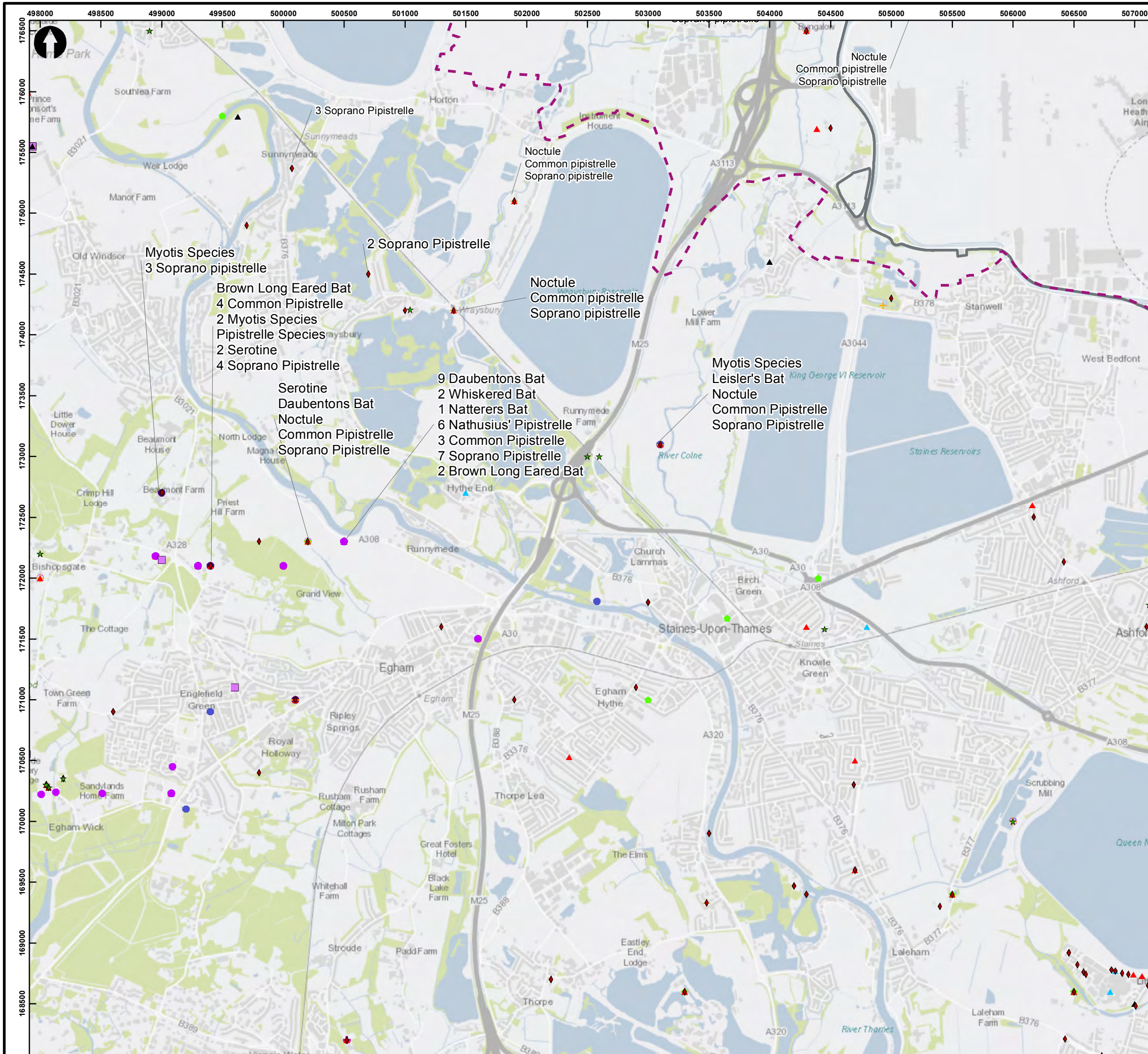


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 6.2.8: Distribution of bat records

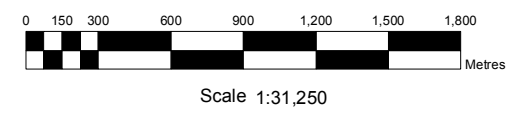
Company Wood	Drawn By GRES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000112				Version 1.0



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Heathrow Planning Boundary
 Baseline data collection area to date

- Bat species
- Brown long-eared bat
- Common pipistrelle
- Daubentons bat
- Leisler's bat
- Lesser noctule
- Long-eared bat species
- Myotis
- Nathusius's pipistrelle
- Natterers bat
- Noctule
- Nyctalus species
- Pipistrelle bat species
- Serotine
- Soprano pipistrelle
- Unidentified bat
- Whiskered bat



Key plan

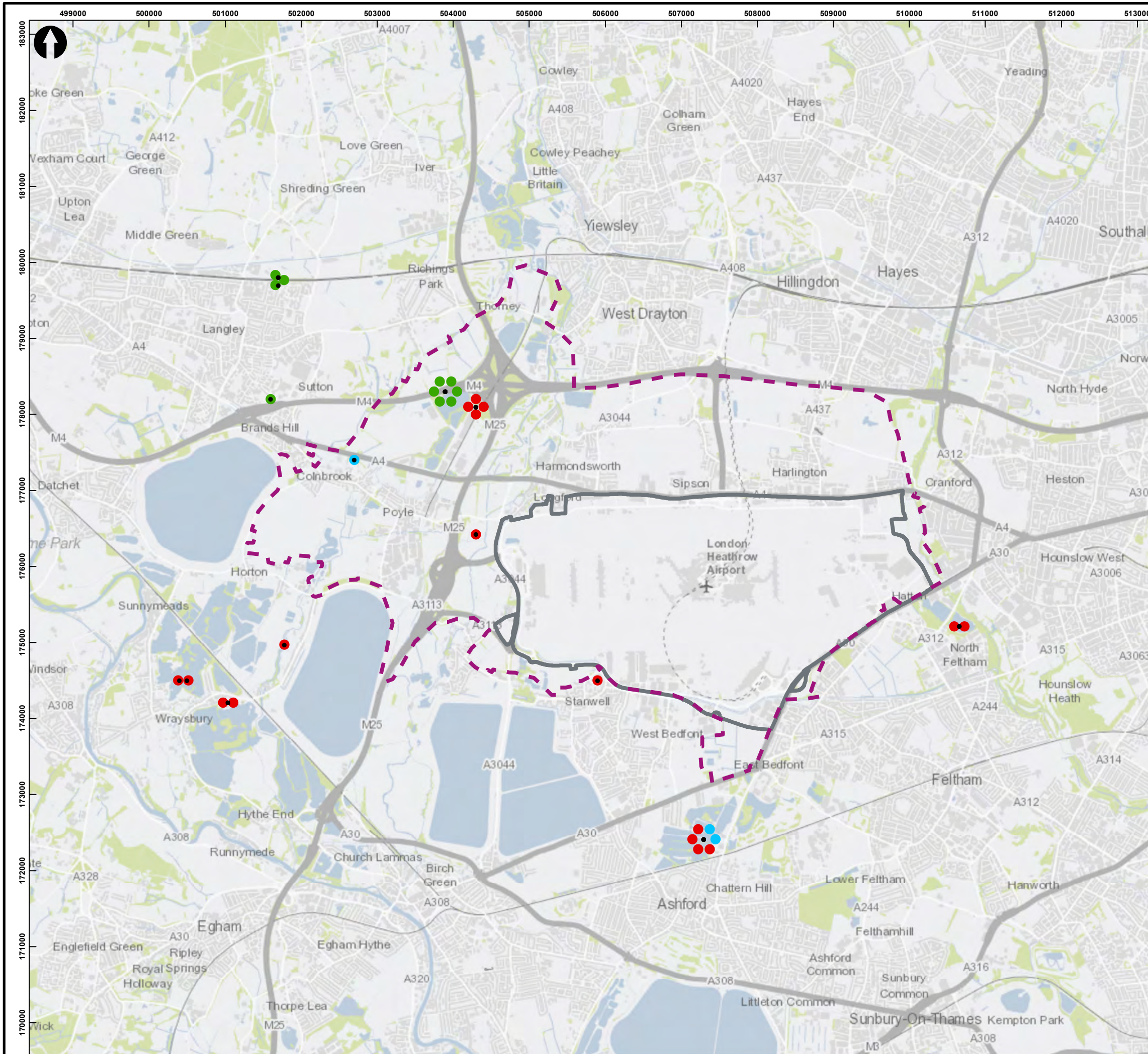


Heathrow







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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

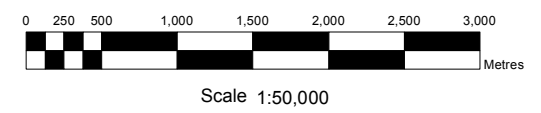
Title
Figure 6.2.8: Distribution of bat records

Company Wood	Drawn By GRES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000112				Version 1.0



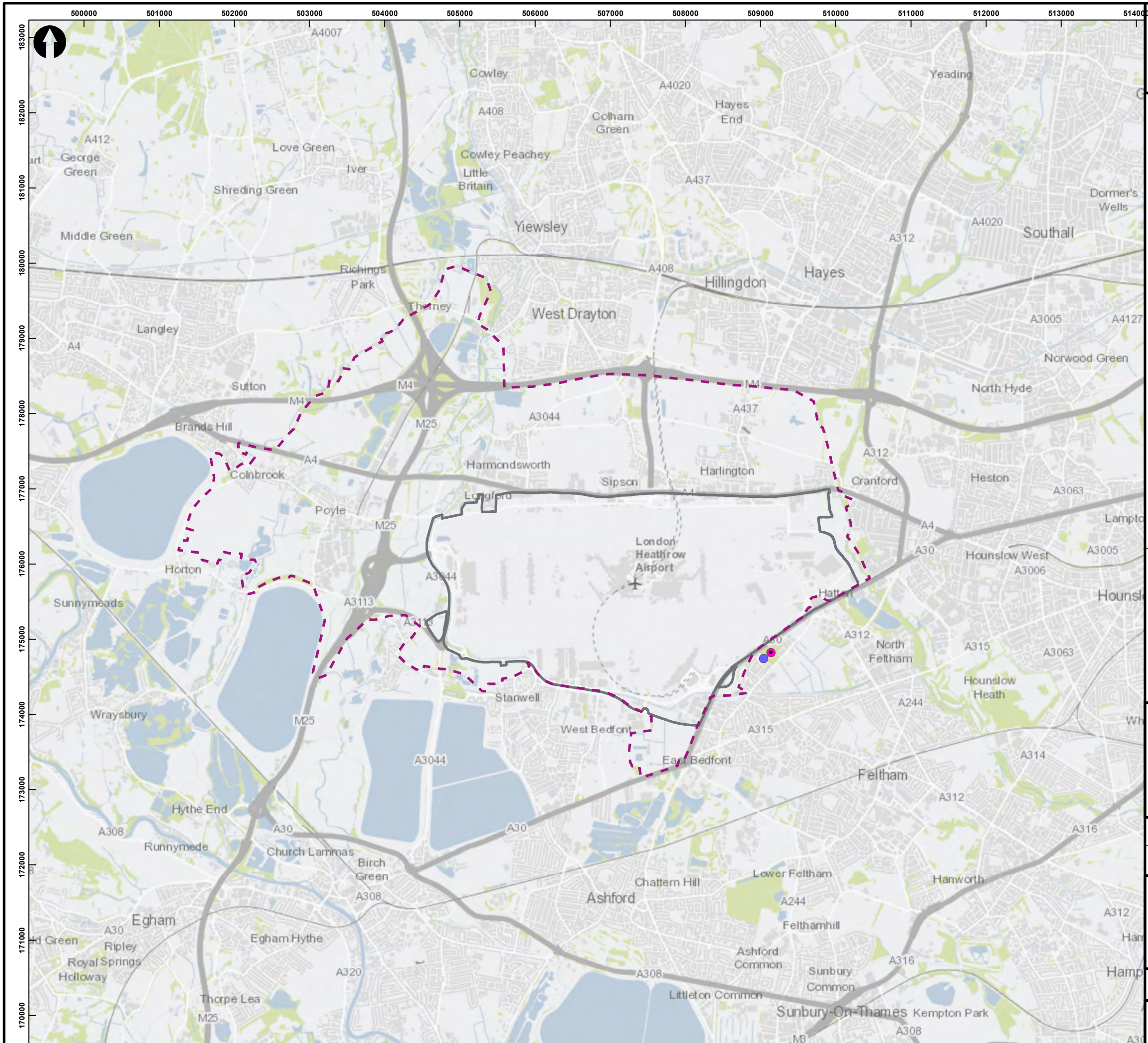
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-  Heathrow Planning Boundary
-  Baseline data collection area to date
-  Location where amphibians were recorded
-  Common Toad
-  Grass Snake
-  Slow Worm



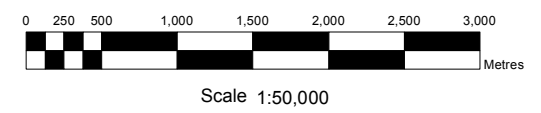
Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No. HEP53		
Title Figure 6.2.9: Distribution of reptile and amphibian records				
Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000113				Version 1.0



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- Heathrow Planning Boundary
- Baseline data collection area to date
- Location where aquatic invertebrates were recorded
- Ceraclea senilis
- White-clawed Freshwater Crayfish

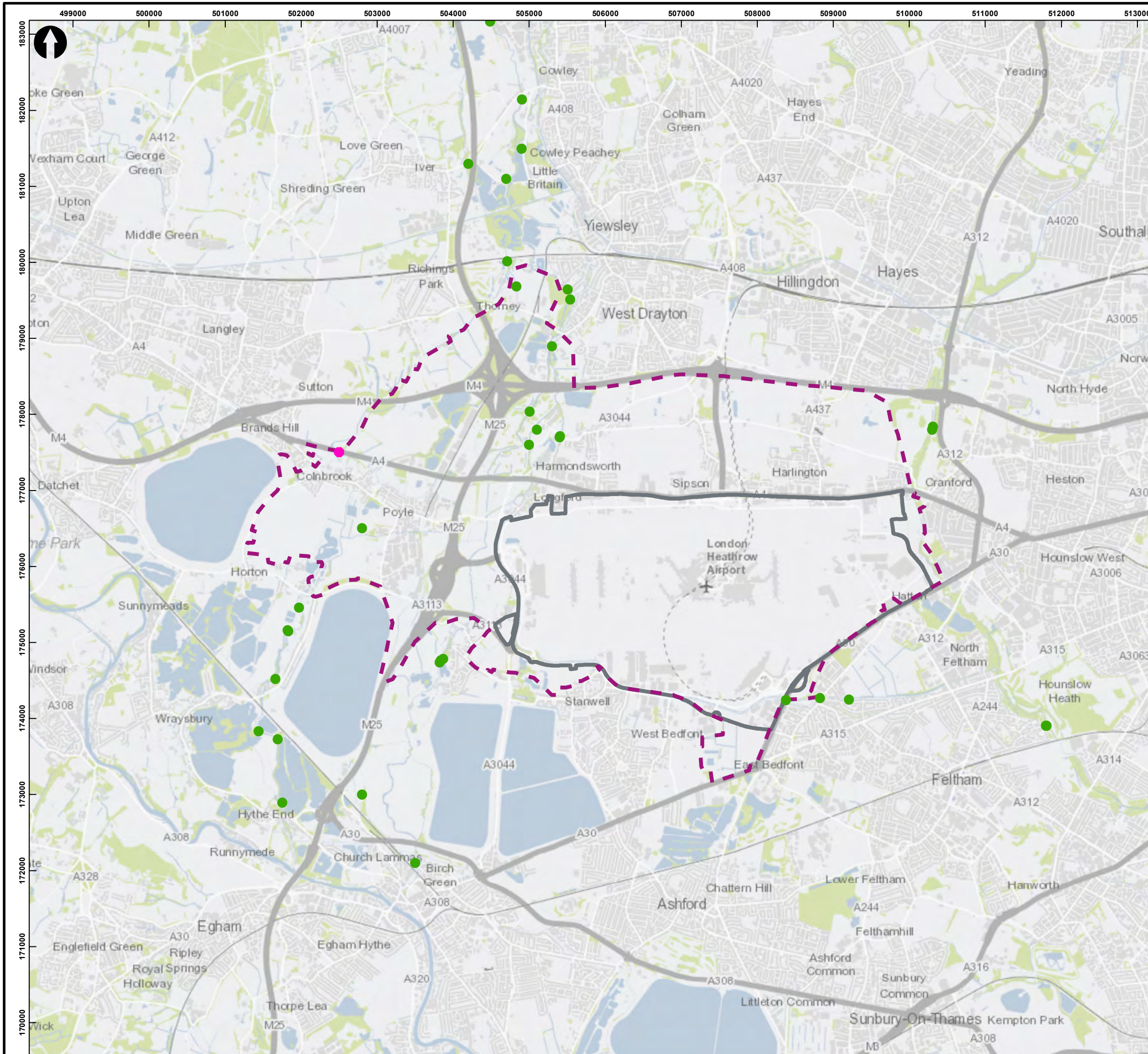


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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 6.2.10: Distribution of aquatic invertebrate records

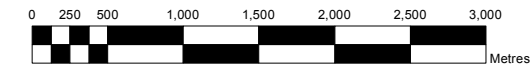
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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000114				Version 1.0



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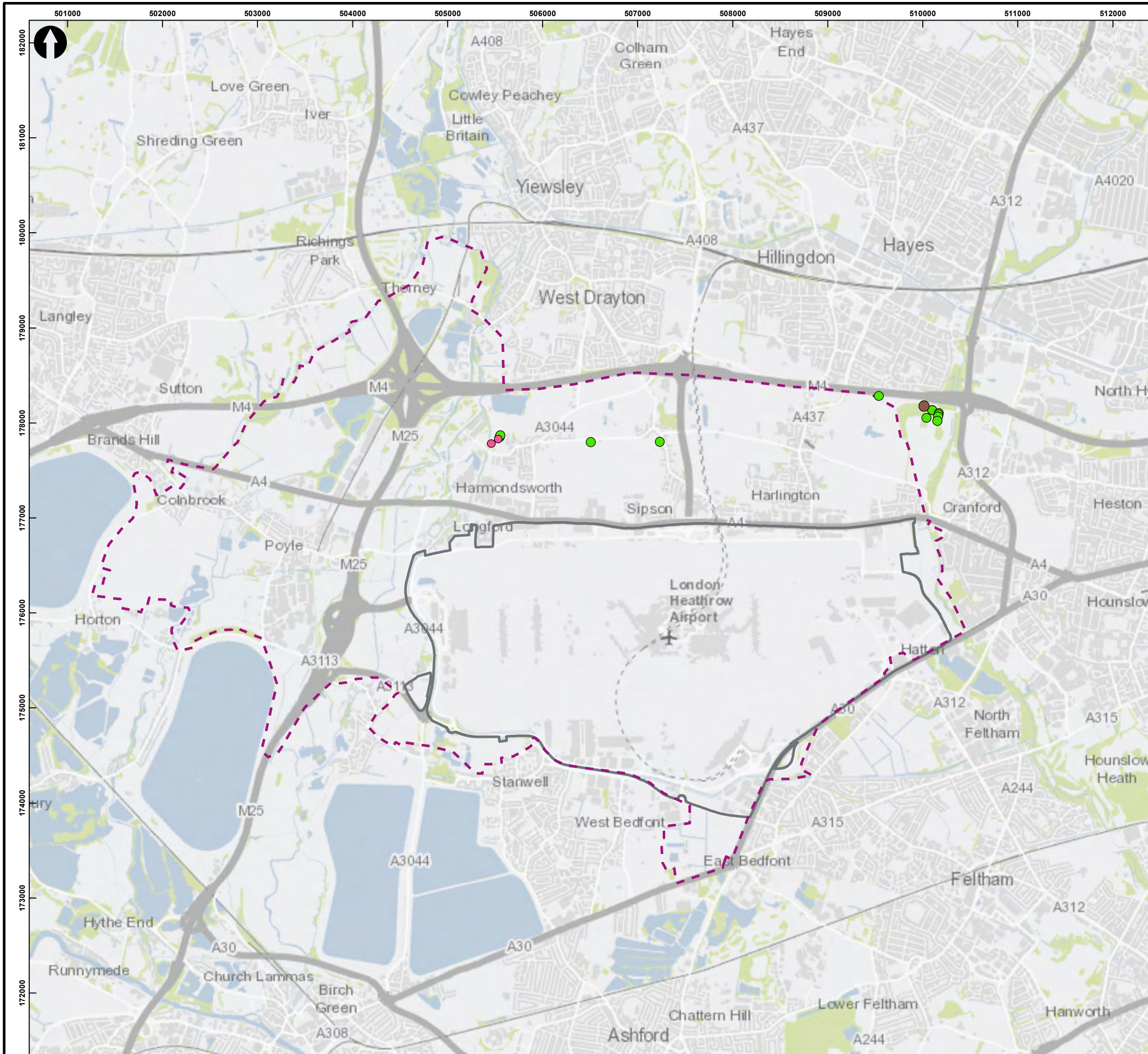
- Heathrow Planning Boundary
- Baseline data collection area to date
- Alternative data source
- Environment Agency fish survey



Scale 1:50,000

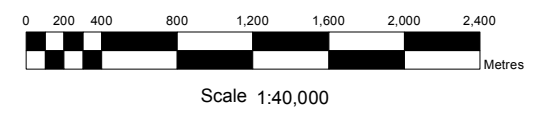
Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No. HEP53		
Title Figure 6.2.11: Distribution of eel records				
Company Wood	Drawn By GREES	Chk/Approved KIRBA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000115				Version 1.0



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- Heathrow Planning Boundary
- Baseline data collection area to date
- Potential Notable Tree
- Potential Veteran Tree
- Potential Ancient Tree

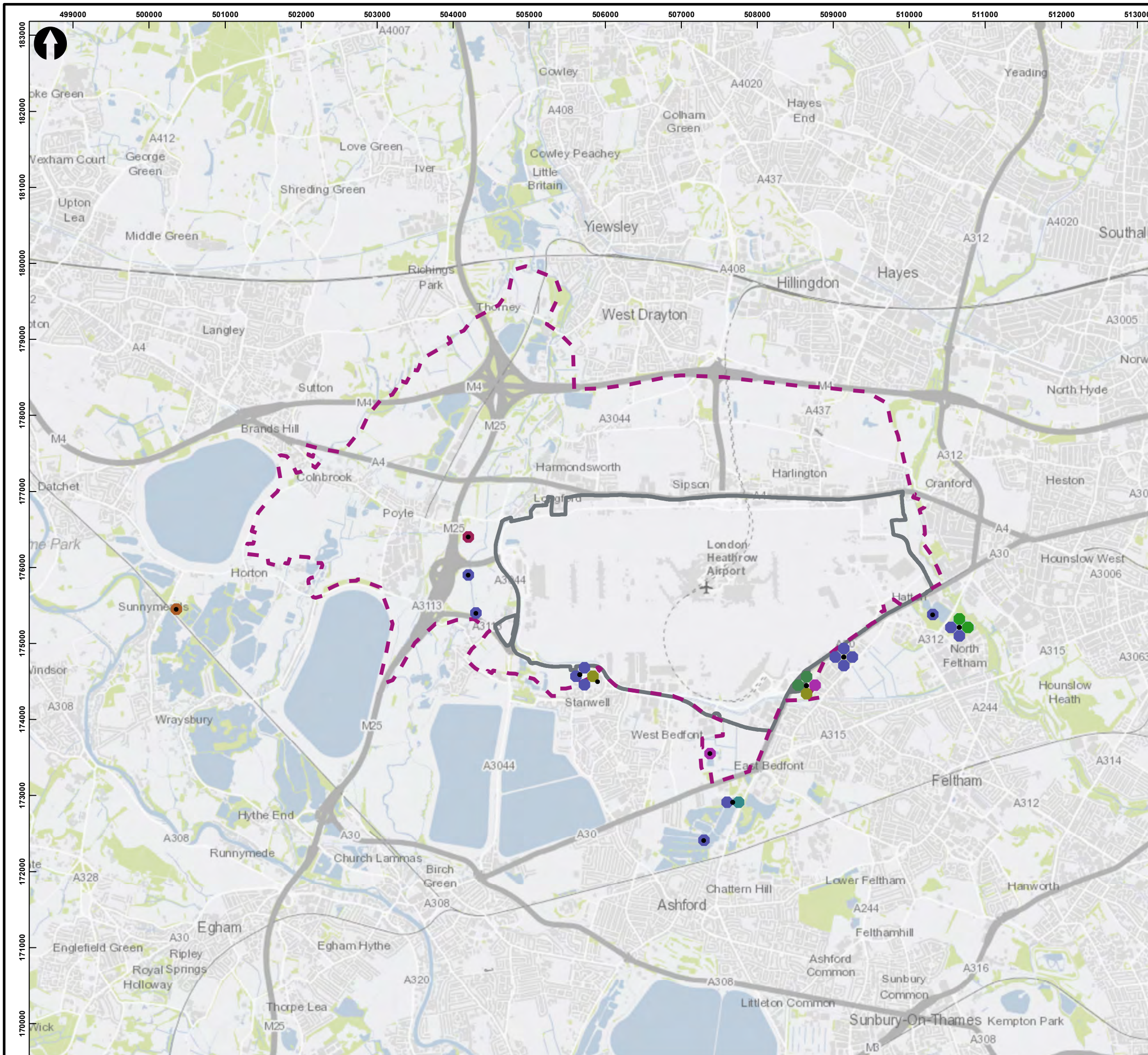


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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53












Title
 Figure 6.2.12: Distribution of trees of note

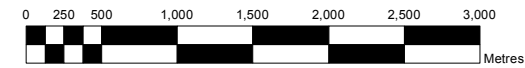
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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000116				Version 1.0



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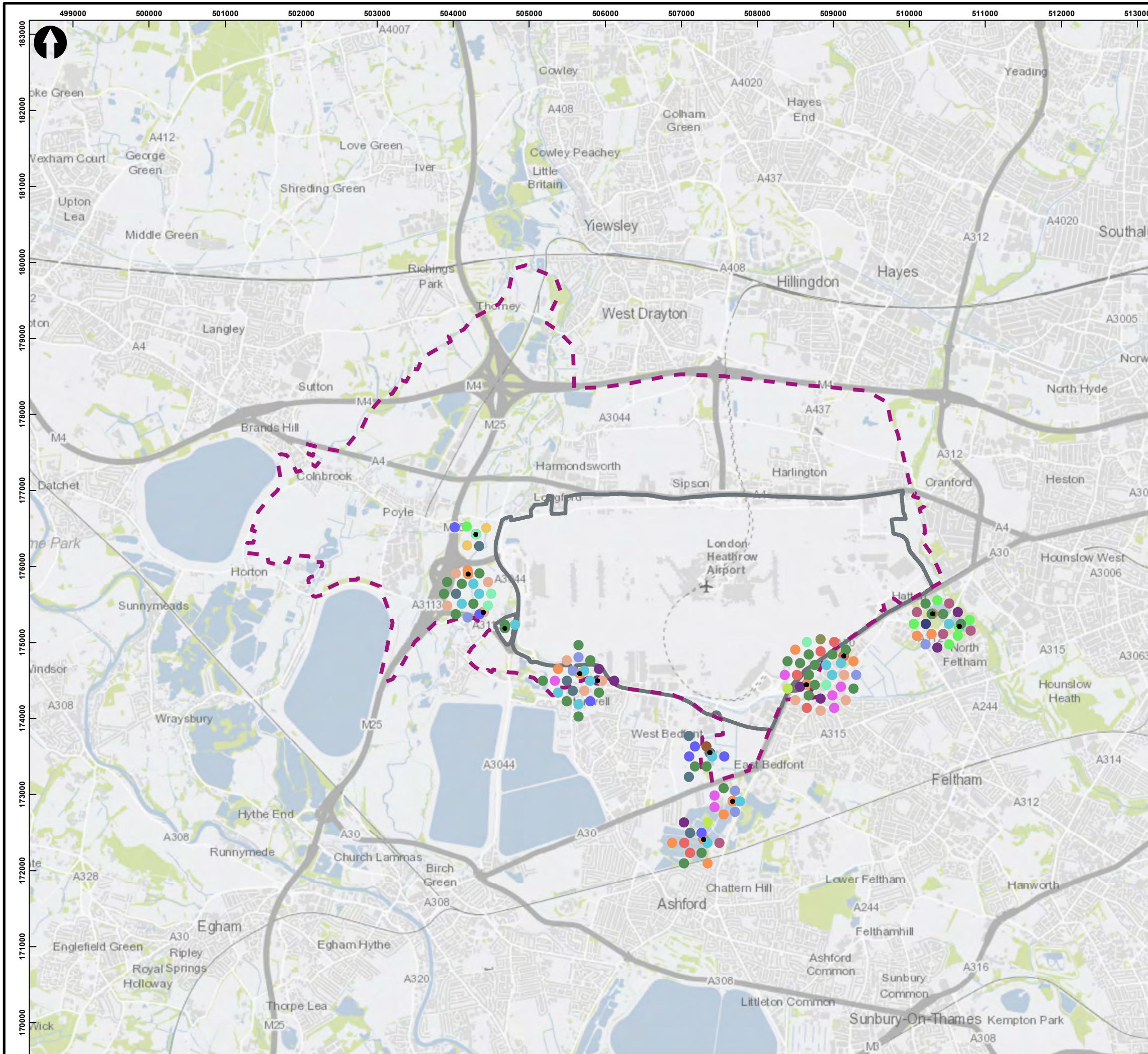
-  Heathrow Planning Boundary
-  Baseline data collection area to date
-  Location where vascular plants were recorded
-  Bluebell
-  Enchanter's Nightshade
-  Galingale
-  Hornwort
-  Marsh Stitchwort
-  Scots Pine
-  Slender Tare
-  Yellow Vetchling



Scale 1:50,000

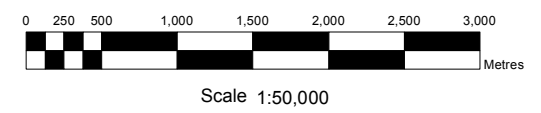
Heathrow

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Project Name Heathrow Expansion Project				Heathrow Project No. HEP53
Title Figure 6.2.13: Distribution of vascular plant records				
Company Wood	Drawn By GREES	Chk/Approved KIRBA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000117				Version 1.0



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- Heathrow Planning Boundary
- Baseline data collection area to date
- Location where invasive plant species were recorded
- Giant Hogweed
- Himalayan Balsam
- Hoary Cress
- Hoary Ragwort
- Hoary Willowherb
- Hogweed
- Holly
- Hollyhock
- Holm Oak
- Honesty
- Honeysuckle
- Hop Trefoil
- Hop
- Hornbeam
- Horse Chestnut
- Horseradish
- Hyacinth sp.
- Japanese Knotweed



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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 6.2.14: Distribution of invasive plant records

Company Wood	Drawn By GREES	Chk/Approved TIMOD	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000118				Version 1.0



ANNEX A

FULL SPECIES LIST



Heathrow Expansion

Biodiversity desk study report

Bats

Common name	Latin name
Brandt's bat	<i>Myotis brandtii</i>
Brown long-eared bat	<i>Plecotus auritus</i>
Noctule	<i>Nyctalus noctula</i>
Common pipistrelle	<i>Pipistrellus pipistrellus</i>
Daubenton's bat	<i>Myotis daubentonii</i>
Liesler's Bat	<i>Nyctalus leisleri</i>
Myotis mystacinus/brandtii	<i>Myotis mystacinus/brandtii</i>
Myotis sp.	<i>Myotis sp.</i>
Nathusius' pipistrelle	<i>Pipistrellus nathusii</i>
Natterer's bat	<i>Myotis nattereri</i>
Nyctalus sp.	<i>Nyctalus sp.</i>
Pipistrellus sp.	<i>Pipistrellus sp.</i>
Plecotus sp.	<i>Plecotus sp.</i>
Serotine	<i>Eptesicus serotinus</i>
Soprano pipistrelle	<i>Pipistrellus pygmaeus</i>
Whiskered bat	<i>Myotis mystacinus</i>

Reptiles and amphibians

Common name	Latin name
Grass snake	<i>Natrix helvetica</i>
Slow worm	<i>Anguis fragilis</i>
Common toad	<i>Bufo bufo</i>

Mammals

Common name	Latin name
West European hedgehog	<i>Erinaceus europaeus</i>
European Otter	<i>Lutra lutra</i>
European water vole	<i>Arvicola amphibius</i>
Harvest mouse	<i>Micromys minutus</i>

Birds

Common name	Latin name
Avocet	<i>Recurvirostra avosetta</i>
Barn owl	<i>Tyto alba</i>
Black redstart	<i>Phoenicurus ochruros</i>
Bullfinch	<i>Pyrrhula pyrrhula</i>
Cetti's warbler	<i>Cettia cetti</i>



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Common name	Latin name
Common scoter	<i>Melanitta nigra</i>
Cuckoo	<i>Cuculus canorus</i>
Stone curlew	<i>Burhinus oedicnemus</i>
Dunnock	<i>Prunella modularis</i>
Garganey	<i>Anas querquedula</i>
Grasshopper warbler	<i>Locustella naevia</i>
Green sandpiper	<i>Tringa ochropus</i>
Greenshank	<i>Tringa nebularia</i>
Hen harrier	<i>Circus cyaneus</i>
Herring gull	<i>Larus argentatus</i>
Hobby	<i>Falco subbuteo</i>
House sparrow	<i>Passer domesticus</i>
Kingfisher	<i>Alcedo atthis</i>
Lapwing	<i>Vanellus vanellus</i>
Lesser redpoll	<i>Carduelis cabaret</i>
Linnet	<i>Carduelis cannabina</i>
Little ringed plover	<i>Charadrius dubius</i>
Marsh harrier	<i>Circus aeruginosus</i>
Mediterranean gull	<i>Larus melanocephalus</i>
Merlin	<i>Falco columbarius</i>
Mistle thrush	<i>Turdus viscivorus</i>
Osprey	<i>Pandion haliaetus</i>
Peregrine	<i>Falco peregrinus</i>
Pochard	<i>Aythya ferina</i>
Red kite	<i>Milvus milvus</i>
Redwing	<i>Turdus iliacus</i>
Reed bunting	<i>Emberiza schoeniclus</i>
Roseate tern	<i>Sterna dougallii</i>
Scaup	<i>Aythya marila</i>
Skylark	<i>Alauda arvensis</i>
Slavonian grebe	<i>Podiceps auritus</i>
Song thrush	<i>Turdus philomelos</i>
Starling	<i>Sturnus vulgaris</i>
Whimbrel	<i>Numenius phaeopus</i>
Yellow wagtail	<i>Motacilla flava</i>

Wetland birds

Common name	Latin name
Gadwall	<i>Anas strepera</i>
Shoveler	<i>Anas clypeata</i>



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Biodiversity desk study report

Common name	Latin name
Tufted Duck	<i>Aythya fuligula</i>
Pochard	<i>Aythya ferina</i>
Great Crested Grebe	<i>Podiceps cristatus</i>
Black-necked Grebe	<i>Podiceps nigricollis</i>
Smew	<i>Mergus albellus</i>
Goosander	<i>Mergus merganser</i>
Goldeneye	<i>Bucephala clangula</i>
Cormorant	<i>Phalacrocorax carbo</i>

Terrestrial invertebrates

Common name	Latin name
Alder Leaf Beetle	<i>Agelastica alni</i>
August Thorn	<i>Ennomos quercinaria</i>
Beaded Chestnut	<i>Agrochola lychnidis</i>
Black Colonel	<i>Odontomyia tigrina</i>
Blood-Vein	<i>Timandra comae</i>
Brindled Beauty	<i>Lycia hirtaria</i>
Buff Ermine	<i>Spilosoma luteum</i>
Bulrush Veneer	<i>Calamotropha paludella</i>
Centre-barred Sallow	<i>Atethmia centrago</i>
Ceraclea senilis	<i>Ceraclea senilis</i>
Chrysolina oricalcia	<i>Chrysolina oricalcia</i>
Cinnabar	<i>Tyria jacobaeae</i>
Deep Brown Dart	<i>Aporophyla lutulenta</i>
Dot Moth	<i>Melanchra persicariae</i>
Dusky Brocade	<i>Apamea remissa</i>
Dusky Thorn	<i>Ennomos fuscantaria</i>
False Margined Blood Bee	<i>Sphecodes miniatus</i>
Flounced Chestnut	<i>Agrochola helvola</i>
Four Banded Flower Bee	<i>Anthophora quadrimaculata</i>
Four Banded Longhorn Beetle	<i>Leptura quadrifasciata</i>
Garden Tiger	<i>Arctia caja</i>
Ghost Moth	<i>Hepialus humuli</i>
Giant Water Veneer	<i>Schoenobius gigantella</i>
Goat Moth	<i>Cossus cossus</i>
Grayling	<i>Hipparchia semele</i>
Green-brindled Crescent	<i>Allophyes oxyacanthae</i>
Grey Dagger	<i>Acronicta psi</i>
Heriades truncorum	<i>Tholera cespitis</i>
Hedge Rustic	<i>Hylaeus cornutus</i>



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Common name	Latin name
Spined Hylaeus	<i>Acronicta rumicis</i>
Knot Grass	<i>Malacosoma neustria</i>
Lackey	<i>Homoeosoma nebulella</i>
Large Clouded Knot-horn	<i>Rhizedra lutosa</i>
Large Wainscot	<i>Lasioglossum pauxillum</i>
Lobe Spurred Furrow Bee	<i>Hylaeus signatus</i>
Mignonette Yellow Face	<i>Caradrina morpheus</i>
Mottled Rustic	<i>Zygaena lonicerae</i>
Narrow-bordered 5-spot Burnet Moth	<i>Nymphopteryx angustella</i>
<i>Nymphopteryx angustella</i>	<i>Watsonalla binaria</i>
Oak Hook-tip	<i>Dorycera graminum</i>
Phoenix Fly	<i>Eudonia delunella</i>
Pied Grey	<i>Platyedra subcinerea</i>
Cotton Stem Moth	<i>Orthosia gracilis</i>
Powdered Quaker	<i>Litoligia literosa</i>
Rosy Minor	<i>Hydraecia micacea</i>
Rosy Rustic	<i>Hoplodrina blanda</i>
Rustic	<i>Cirrhia icteritia</i>
Sallow	<i>Scotopteryx chenopodiata</i>
Shaded Broad-bar	<i>Leucania comma</i>
Shoulder-striped Wainscot	<i>Sitochroa palealis</i>
Sulphur Pearl	<i>Sitochroa verticalis</i>
Lesser Pearl	<i>Thymelicus sylvestris</i> / <i>Thymelicus lineola</i>
Small / Essex Skipper	<i>Hemistola chrysoprasaria</i>
Small Emerald	<i>Coenonympha pamphilus</i>
Small Heath	<i>Diarsia rubi</i>
Small Square-spot	<i>Anoplius sp.</i>
Spider Hunting Wasp	<i>Pompilidae</i>
Spider wasp	<i>Eulithis mellinata</i>
Spinach	<i>Asteroscopus sphinx</i>
Sprawler	<i>Lucanus cervus</i>
Stag Beetle	<i>Sitochroa palealis</i>
Swollen Thighed Blood Bee	<i>Sphecodes crassus</i>
Hornet mimic hoverfly	<i>Volucella zonaria</i>
Wainscot Neb	<i>Monochroa palustrellus</i>
White Ermine	<i>Spilosoma lubricipeda</i>
White-clawed Freshwater Crayfish	<i>Austropotamobius pallipes</i>
White-letter Hairstreak	<i>Satyrrium w-album</i>
White-mantled Wainscot	<i>Archanara neurica</i>



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Aquatic invertebrates

Common name	Latin name
Oulimnius troglodytes	<i>Oulimnius troglodytes</i>
Atherix ibis	<i>Atherix ibis</i>
Depressed river mussel	<i>Pseudanodonta complanata</i>
River orb mussel	<i>Sphaerium rivicola</i>
Lister's river snail	<i>Viviparus contectus</i>

Fish

Common name	Latin name
Barbel	<i>Barbus barbus</i>
Brook lamprey	<i>Lampetra planeri</i>
Brown/sea trout	<i>Salmo trutta</i>
Bullhead	<i>Cottus gobio</i>
Carp/carp varieties	<i>Cyprinus carpio</i>
European Eel (glass/elvers/adult)	<i>Anguilla anguilla</i>
Grayling	<i>Thymallus thymallus</i>

Veteran/ancient tree

Common name	Latin name
Walnut	<i>Juglans regia</i>
Ash	<i>Fraxinus excelsior</i>
Pedunculate oak	<i>Quercus robur</i>
Pine	<i>Pinus sp.</i>
Cedar of Lebanon	<i>Cedrus libani</i>
Common hornbeam	<i>Carpinus betulus</i>
Common lime	<i>Tilia platyphyllos x cordata = T. x europaea</i>
Sweet chestnut	<i>Castanea sativa</i>

Vascular plants

Common name	Latin name
Annual Beard-grass	<i>Polypogon monspeliensis</i>
Bluebell	<i>Hyacinthoides non-scripta</i>
Enchanter's-nightshade	<i>Circaea lutetiana</i>
Fringed Water-lily	<i>Nymphoides peltata</i>
Galingale	<i>Cyperus longus</i>
Hoary Mullein	<i>Verbascum pulverulentum</i>
Marsh Stitchwort	<i>Stellaria palustris</i>
Perennial Flax	<i>Linum perenne</i>



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Common name	Latin name
Round-leaved Mint	<i>Mentha suaveolens</i>
Scots Pine	<i>Pinus sylvestris</i>
Service-tree	<i>Sorbus domestica</i>
Slender Tare	<i>Vicia parviflora</i>
Toothed Medick	<i>Medicago polymorpha</i>
Yellow Vetchling	<i>Lathyrus aphaca</i>

Invasive terrestrial plant species

Common name	Latin name
Montbretia	<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>
Japanese Knotweed	<i>Fallopia japonica</i>
Himalayan cotoneaster	<i>Cotoneaster simonsii</i>
Himalayan Balsam	<i>Impatiens glandulifera</i>
Giant Hogweed	<i>Heracleum mantegazzianum</i>
Entire-leaved cotoneaster	<i>Cotoneaster integrifolius</i>
Cotoneaster	<i>Cotoneaster sp.</i>

Invasive aquatic plant species

Common name	Latin name
Floating pennywort	<i>Hydrocotyle ranunculoides</i>
Hyacinth sp.	<i>Hyacinthus sp.</i>
New Zealand pigmyweed	<i>Crassula helmsii</i>
Nuttall's waterweed	<i>Elodea nuttallii</i>
Water fern	<i>Azolla filiculoides</i>

Invasive animal species

Common name	Latin name
Chinese muntjac	<i>Muntiacus reevesi</i>
American mink	<i>Neovison vison</i>
Grey squirrel	<i>Sciurus carolinensis</i>
Ring-necked parakeet	<i>Psittacula krameri</i>
Signal crayfish	<i>Pacifastacus leniusculus</i>
Marsh Frog	<i>Pelophylax ridibundus</i>



Appendix 6.3

Determining the importance of bats



1. DETERMINING THE IMPORTANCE OF BATS

- 1.1.1 Natural England have requested that determining the importance of bat species follows the methodology provided by Wray *et al.* (2010)¹. As this approach includes the consideration of features associated with species population (e.g. supporting habitats), the approach will sit alongside the biodiversity Ecological Impact Assessment (EclA) assessment criteria (see Section 6.11 of **Chapter 6: Biodiversity**), rather than being incorporated into it.
- 1.1.2 The framework developed by Wray *et al.* (2010) for valuing bats in ecological impact assessment was published in 2010. It should be noted that since then, the Chartered Institute of Ecology and Environmental Management (CIEEM) have published an update to their 'Guidelines for Ecological Impact Assessment: Terrestrial, Freshwater and Coastal'. Key changes relevant to the application of the Wray *et al.* framework are:
1. Reference to 'district and parish level' has been removed and replaced with 'local level' within the latest CIEEM guidance. For clarity these terms will also not be referred to within the assessment of bats for the DCO Project
 2. Assigning a geographic frame of reference now refers to the 'importance' of an ecological feature and the use of the term 'value' is no longer applicable. References to 'value' and 'valuing' of bats within Wray *et al.* (2010) are taken to correspond to the assignment of 'importance'.
- 1.1.3 Wray *et al.* (2010) developed the framework for assigning importance to enable a consistent approach across EclAs and remove the risk of subjectivity which may arise through the use of professional judgement alone. The framework considers the distribution and status of the species concerned, rather than just legal protection, to reflect differences between species in distribution and rarity and in recognition that not all roosts, commuting routes and foraging areas have the same level of importance for supporting bat populations.
- 1.1.4 The importance of bat populations and features will be determined on a geographic scale similar to the overall EclA criteria. The exception to this will be the omission of 'Borough' because Wray *et al.* (2010) does not provide the criteria to distinguish features of 'Borough' level. This is not seen as a constraint to the assessment as all features considered higher than Local would be considered in the EclA.

¹ Wray, S., Wells, D., Long, E. & Mitchell-Jones, T, Valuing bats in ecological impact assessment. In Practice No. 70, Institute of Ecology and Environmental Management, 2010

Heathrow Expansion

Determining the importance of bats



- 1.1.5 Assigning importance of roost sites will be informed by survey information (see **Appendix 6.1: Biodiversity method statements**) which will be applied to the criteria in Table 6.3.1 and Table 6.3.2.

Table 6.3.1 Categorising bats by distribution and rarity (Wray *et al.* 2010)

Rarity within range ²	England
Rarest (population Under 10,000)	Greater horseshoe, Bechstein's, alcatheo, greater mouse eared, barbastelle, grey long eared
Rarer (population 10,000-100,000)	Lesser horseshoe, whiskered, Brandt's, Daubenton's, Natterer's, Leisler's, noctule, Nathusius' pipistrelle, serotine
Common (population over 100,000)	Common pipistrelle, soprano pipistrelle, brown long-eared

Table 6.3.2 Criteria for assigning importance to bat roosts (Wray *et al.* 2010)

Geographic Context	Roost Types
Local	Feeding perches (common species) Individual bats (common species) Small number of non-breeding bats (common species)
County	Maternity sites (common species) Small number of hibernating bats (common and rarer species) Feeding perches (rarer/rarest species) Individual bats (rarer/rarest species) Small number of non-breeding bats (rarer/rarest species or all species assemblages)
Regional	Mating sites (rarer/rarest species) including well-used swarming sites Maternity sites (rarer species) Hibernation sites (rarest species) Significant hibernation sites for rarer/rarest species or all species assemblages

² Bat population sizes to be reviewed against latest National Bat Monitoring figures at the time of the final assessment.

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Geographic Context	Roost Types
National/UK	Maternity sites (rarest species) Sites meeting SSSI guidelines
International	SAC sites

- 1.1.6 Assigning importance of commuting and foraging habitats will be informed by survey information (refer to **Appendix 6.1**) and derived through the use of the scoring systems described in Table 6.3.3, Table 6.3.4 and Table 6.3.5 (with reference to Table 6.3.1).

Table 6.3.3 Scoring system results to be applied

Geographic Context	Score
International	>50
National	41-50
Regional	31-40
County	21-30
Local/District	11-20
Not important	1-10

Table 6.3.4 Scoring system for assigning importance to bat foraging areas (Wray *et al.* 2010)

Species	Number of bats	Roosts/potential roost nearby	Type and complexity of linear features
Common (2)	Individual bats (5)	None (1)	Absence of (other) linear features (1)
-	-	Small number (3)	Unvegetated fences and large field sizes (2)
Rarer (5)	Small number of bats (10)	Moderate number/Not known (4)	Walls, gappy or flailed hedgerows, isolated well-grown hedgerows, and moderate field sizes (3)
-	-	Large number of roosts, or close to a SSSI for the species (5)	Well-grown and well-connected hedgerows, small field sizes (4)
Rarest (20)	Large number of bats (20)	Close to or within a SAC for the species (20)	Complex network of mature well-established hedgerows, small fields, and rivers/streams

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Table 6.3.5 Scoring system for assigning importance to bat foraging areas (Wray *et al.* 2010)

Species	Number of bats	Roosts/potential roost nearby	Foraging habitat characteristics
Common (2)	Individual bats (5)	None (1)	Industrial or other site without established vegetation (1)
-	-	Small number (3)	Suburban areas or intensive arable land (2)
Rarer (5)	Small number of bats (10)	Moderate number/Not known (4)	Isolated woodland patches, less intensive arable and/or small towns and villages (3)
-	-	Large number of roosts, or close to a SSSI for the species (5)	Larger or connected woodland blocks, mixed agriculture, and small villages/hamlets (4)
Rarest (20)	Large number of bats (20)	Close to or within a SAC for the species (20)	Mosaic of pasture, woodlands, and wetland areas (5)



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Appendix 6.4

Biodiversity offsetting strategy - delivering biodiversity net gain for the Project: approach to the calculation of biodiversity losses and gains



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Biodiversity offsetting strategy - delivering biodiversity net gain for the Project: approach to the calculation of biodiversity losses and gains

1. INTRODUCTION

- 1.1.1 The “Biodiversity and Ecological Conservation” section of the revised draft Airports National Policy Statement (revised draft ANPS) summarises the UK Governments’ biodiversity strategy (paragraph 5.84). The aim of the strategy *“is to halt overall biodiversity loss, support healthy, well-functioning ecosystems, and establish coherent ecological networks, with more and better places for nature for the benefit of wildlife and people.”* This strategy is followed through the revised draft ANPS by reference to the National Planning Policy Framework (NPPF) which supports a movement from net loss of biodiversity, through to an interim stage of no net loss to achieving net gains for nature (paragraph 5.85).
- 1.1.2 With regard to the Heathrow Expansion Project (“the Project”), Government expectations regarding biodiversity are outlined in paragraph 5.94 of the revised draft ANPS. The Project is required to account for losses in biodiversity, which can be achieved either through the application of a compensation ratio (set at a minimum of 2:1 replacement) or through the use of a biodiversity offsetting metric. This provides a requirement for the Project to demonstrate that the construction and operation of the infrastructure will not result in a net loss of biodiversity. This aspiration, and the suggested use of a biodiversity offsetting metric, is also acknowledged within paragraph 5.25 of the National Networks NPS. Heathrow acknowledge this policy goal, but are also committed to providing a biodiversity net gain. This commitment is also in line with aspirations within Defra’s recently published *“A Green Future: Our 25 Year Plan to Improve the Environment”*.
- 1.1.3 Following consideration of the merits of compensation ratios and the biodiversity offsetting approach, in consultation with Natural England, the Project has opted for the use of a biodiversity offsetting metric to determine the value of both biodiversity losses and gains. The metric, outlined in this strategy document, is based closely on that developed by Defra¹ with changes made where appropriate to reflect the nature of the landscape within which the Project is situated. The approach described in this document has been agreed with Natural England and the Environment Agency as appropriate for the calculation of losses and gains to biodiversity for the Project.
- 1.1.4 A biodiversity offsetting metric provides a methodology to deliver biodiversity benefits in compensation for losses in a way that is transparent and measurable. A biodiversity offsetting metric can also demonstrate net gains to biodiversity within the same framework both within and outside of proposed infrastructure.

¹ Defra (2012) Biodiversity Offsetting Pilots Technical Paper: the metric for the biodiversity offsetting pilot in England



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2. RELEVANT POLICY AND GUIDANCE

2.1.1 The policy and guidance relevant to the biodiversity offsetting strategy to be adopted by the Project include:

1. Revised Draft Airports National Policy Statement (DfT, 2017)²
2. National Planning Policy Framework (DCLG, 2012)³
3. Biodiversity Offsetting Pilots Technical Paper: the metric for the biodiversity offsetting pilot in England (Defra, 2012)
4. 42020:2013 Biodiversity – Code of practice for planning and development (BSI, 2013)⁴
5. Guidelines for Ecological Impact Assessment in the UK and Ireland (Chartered Institute of Ecology and Environmental Management (CIEEM), 2016)⁵
6. Biodiversity Net Gain – Good Practice Principles for Development (CIEEM, CIRIA, Institute of Environmental Management and Assessment (IEMA), 2016)⁶
7. Standard on Biodiversity Offsets (Business and Biodiversity Offset Programme (BBOP), 2012)⁷
8. Biodiversity offsets: possible methods for measuring biodiversity losses and gains for use in the UK (Treweek et al., 2010)⁸
9. Higher Level Stewardship – Farm Environment Plan (FEP) Manual (Natural England, 2010)⁹

² DfT (2017). Draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England. Department for Transport.

³ DCLG (2012). National Planning Policy Framework. Department for Communities and Local Government, London. Crown copyright.

⁴ BSI (2013). BS 42020:2013 Biodiversity – Code of practice for planning and development. British Standards Institution, BSI Standards Publication.

⁵ CIEEM (2012). Guidelines for Ecological Impact Assessment in the UK and Ireland – terrestrial, freshwater and coastal. 2nd Edition. Chartered Institute of Ecology and Environmental Management, Winchester.

⁶ CIEEM, CIRIA, IEMA (2016). Biodiversity Net Gain – Good Practice Principles for Development.

⁷ BBOP (2012). Standard on Biodiversity Offsets. Business and Biodiversity Offsets Programme. Forest Trends, Washington.

⁸ Treweek, J, Butcher, B., Temple, H. (2010). Biodiversity offsets: possible methods for measuring biodiversity losses and gains for use in the UK. Unknown publisher.

⁹ Natural England (2010). Higher Level Stewardship – Farm Environment Plan (FEP) Manual. Technical guidance on the completion of the FEP and identification, condition assessment and recording of HLS FEP features. 3rd Edition. Natural England.



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10. Guide to Warwickshire, Coventry and Solihull Biodiversity Offsetting Biodiversity Impact Assessment Calculator v18 (Warwickshire County Council, 2014)
11. Green Infrastructure and Open Environments: The All London Green Grid. Supplementary Planning Guidance (Greater London Authority, 2012)
12. UK Biodiversity Action Plan; Priority Habitat Descriptions (BRIG 2008 (updated December 2011))
13. A Green Future: Our 25 Year Plan to Improve the Environment (Defra 2018).



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3. PRINCIPLES AND DEFINITIONS

3.1 The mitigation hierarchy and net gain

- 3.1.1 The mitigation hierarchy will be implemented during all phases of the Project (design, Environmental Impact Assessment (EIA), construction and operation) to ensure harm to biodiversity is minimised and benefits for biodiversity are maximised. Demonstration of the implementation of the mitigation hierarchy is required by the revised draft ANPS (paragraph 5.93) and the NPPF (paragraph 118). The implementation of the mitigation hierarchy¹⁰ ensures designs first seek to **avoid** significant harm, to **mitigate (minimise)** where it is unavoidable, and, as a last resort, to **compensate** for residual effects that remain after avoidance and mitigation measures are implemented. Offsetting is one way in which compensation can be delivered.
- 3.1.2 Despite the Project following the mitigation hierarchy, biodiversity losses during the construction and operation periods are inevitable due to its large scale. However, biodiversity gains will be achieved through the provision of biodiversity units of greater than original (baseline) value as calculated by an approach based upon the Defra biodiversity metric through:
1. Incorporation of green infrastructure within the physical footprint of the Project;
 2. Maximising the biodiversity value of supporting services (e.g. flood storage areas, mitigation areas for protected species etc.);
 3. Provision of multi-functional greenspace that benefits wildlife and people.
- 3.1.3 The revised draft ANPS (paragraph 5.85) and the NPPF (paragraph 109) encourage developments to incorporate net gains for biodiversity within the design, a sentiment echoed in BS 42020:2013. The Project will apply the following ten principles that set out good practice for achieving biodiversity net gain (CIEEM, CIRIA, IEMA, 2016).
1. Principle 1. Apply the mitigation hierarchy

¹⁰ Definitions of terms (as per Defra 2012 guidance) within the mitigation hierarchy are as follows – Harm: any impact, direct or indirect, that may have an adverse effect on a biodiversity interest; Avoid: ensuring that negative impacts do not occur as a result of planning decisions by, for example, locating development away from areas of ecological interest; Mitigate: measures to mitigate are ones taken which reduce negative impacts. Examples of mitigation measures include changes to project design, construction methods or timing of work, or enhancing or restoring other interests or areas on a site so its overall ecological value is retained; Compensate: measures which are taken to make up for the loss of, or permanent damage to, biodiversity. Where some harm to biodiversity is reduced through mitigation, compensation will represent the residual harm which cannot or may not be entirely mitigated. Compensation measures may be on or outside the development site.



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2. Principle 2. Avoid losing biodiversity that cannot be offset by gains elsewhere
3. Principle 3. Be inclusive and equitable
4. Principle 4. Address risks
5. Principle 5. Make a measurable net gain contribution
6. Principle 6. Achieve the best outcomes for biodiversity
7. Principle 7. Be additional
8. Principle 8. Create a net gain legacy
9. Principle 9. Optimise sustainability
10. Principle 10. Be transparent

3.1.4 The approach to biodiversity offsetting adopted by the Project will provide a transparent process to demonstrate these principles within the context of the design process.

3.1.5 Any measures being delivered by the current operational airport (e.g. within unrelated planning applications) are not considered to be additional with regard to the Project (i.e. they will not count towards the goal of biodiversity net gain for the Project).

3.1.6 It is the aim of the Project to deliver demonstrable overall biodiversity gain through the use of a biodiversity offsetting metric. However, it is understood that some types of nature conservation measure (e.g. those focused directly on fauna) cannot be valued using an offsetting metric and therefore flexibility in the approach to the delivery of net gain will be maintained to ensure input to projects highlighted by local stakeholders are considered on their merits and are not automatically discounted (e.g. local species recovery programmes).

3.2 Replacement ratios and replacement targets

3.2.1 The biodiversity offsetting metric described by Defra (the Defra metric) is based on the principle that the balance between loss and gain is achieved through biodiversity value only. This means that there is no minimum area of land that needs to be replaced to ensure a position of no net loss is reached (i.e. a smaller area of land with higher value habitat could offset the loss of a larger area of low value habitat). This principle has been incorporated within the strategy described below.

3.2.2 The Defra metric also seeks to deliver high value biodiversity habitats by ensuring that losses are accounted for through the provision of offsets that have a biodiversity value that is the same, or greater per unit area than that lost. This



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principle also ensures that small areas of high biodiversity value are not replaced by large tracts of land with low biodiversity value (e.g. losses of semi-natural broadleaved woodland are not accounted for by the provision of amenity grassland). Although not an absolute, the Defra guidance also encourages replacement of high value habitats with similar habitat types (e.g. losses of woodland should, where possible, be accounted for through the re-provision of woodland). This principle is integral to the approach to be taken by the Project.

- 3.2.3 With regard to hedgerows, the Defra guidance makes it clear that to ensure no net loss only new hedgerow creation is applicable. Evolving Natural England¹¹ guidance is likely to expand this to enable restoration of existing poor quality hedgerows. For the Project any losses of hedgerow will be accounted for with new hedgerow establishment to be in keeping with current guidance. However, should there be an opportunity to invest in hedgerow restoration projects in the wider area as a form of net gain these will be considered by Heathrow.
- 3.2.4 Losses or covering of lengths of rivers and streams will be accounted for within the biodiversity offsetting metric described below as a linear feature. Due to the nature of rivers and streams the potential to create multiple lengths of new channel is limited due to the hydrological effects that this would create in other areas of the catchment (e.g. new channel creation requires water to be diverted from elsewhere). Therefore, biodiversity gains for rivers and streams will include restoration of existing watercourses, as well as any relevant channel creation. Restoration, where possible, will be targeted within the same rivers and streams in both upstream and downstream sections. All restoration options identified will be measured using the methods commonly used within Water Framework Directive (WFD) Assessments.
- 3.2.5 Defra guidance also makes clear that compensation for proposed losses to irreplaceable habitats (e.g. ancient woodland) or nationally designated sites (e.g. Sites of Special Scientific Interest) must be considered separately from the biodiversity offset. This principle will be followed by the Project.

¹¹ Information provided in a technical meeting held on 11/12/2017.



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4. BIODIVERSITY OFFSETTING APPROACH

- 4.1.1 The Defra metric calculates losses and gains to biodiversity through consideration of habitat area (length for linear features such as hedgerows and ditches), habitat type/distinctiveness and habitat condition.
- 4.1.2 Losses for the Project will be calculated based on the design of the expanded airport and associated infrastructure including ancillary services, temporary works areas and linked transport infrastructure (i.e. diverted local roads). All terrestrial and freshwater habitats that would be lost to development will be included within the biodiversity offsetting calculations.
- 4.1.3 Gains will result from the provision of newly created habitats or the restoration of areas currently present but in poor condition. These habitats will be both integral to the design of the proposed infrastructure and in areas where no construction is to take place. Newly created habitats and restored areas will be designed to provide additional benefits (i.e. offsets cannot be designed simply to maintain condition or extent).
- 4.1.4 Where necessary the baseline for calculation will take in to account predictable changes that are subject to planning consents (e.g. restoration of landfill sites) or location specific measures¹² within regulatory documents (e.g. mitigation described in River Basin Management Plans).
- 4.1.5 The biodiversity offset calculations will be undertaken before the planning application for the Project is made. It is envisaged that the offset calculations will be repeated several times during the design phase of this development to inform the emerging design and aid engagement with stakeholders.
- 4.1.6 A plan to deliver net gains for biodiversity will be prepared following an identification and calculation of all losses and gains required to reach a position of net gain. This approach will be taken to ensure a transparent account of the principles outlined above is presented.
- 4.1.7 This plan will include a description of the works required to establish or restore the desired habitat type, long term management prescriptions, a monitoring protocol and method to determine suitable remediation should it be required.

¹² Improvement measures that have been identified for specific locations within the area potentially lost to or covered by the Project will be discussed and highlighted by relevant regulators or Local Planning Authorities prior to the final calculations being undertaken.



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5. BIODIVERSITY OFFSETTING METHODOLOGY

5.1 Background

5.1.1 The biodiversity offsetting metric for the Project, in common with the standard Defra metric, includes consideration of the following elements:

1. Habitat Distinctiveness – a collective measure of biodiversity that accounts for parameters such as species richness, diversity, rarity and habitats ability to support species rarely found in other habitats
2. Habitat Condition – the condition of a habitat is based on its structure, species diversity and species abundance. In an area heavily influenced by human activity land management (or lack of) can often drive habitat condition
3. Spatial risk – these reflect ecological risks derived from the change in location of a habitat or resource. Offsets that are in line with local strategies¹³ are likely to deliver the greatest level of biodiversity benefit. Therefore, offsets that are not in keeping with local priorities or are located elsewhere are considered to attract a spatial risk
4. Temporal risk – the loss of biodiversity and the delivery of an offset can be mismatched (i.e. created habitats may take a number of years to become established and reach target condition). Therefore, it is necessary to discount the proposed offset value to account for the time lag
5. Delivery risk – there are practical risks associated with any proposed habitat creation or restoration project. These risks (e.g. failure to establish) are accounted for by the addition of a risk multiplier to the biodiversity value of the designed offset.

5.2 Habitat distinctiveness

Terrestrial and freshwater habitats excluding linear features

5.2.1 The habitats within areas lost to development and those identified for habitat creation or restoration will be assigned a score of distinctiveness, which is based on species richness, diversity, rarity and the degree to which the habitat supports species rarely found in other habitats (Treweek *et al.*, 2010). The habitat distinctiveness categories to be used for the Project are presented in Table 6.4.1

¹³ Within Defra guidance it is assumed that planning authorities have local offset strategies in place. The Heathrow Expansion Programme overlaps with the boundaries of several local planning authorities, for which local offset strategies are not in place. Therefore, the approach taken to spatial risk is bespoke for the Heathrow Expansion Programme (see paragraph 5.4.4 onwards).



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(details of distinctiveness scores for particular habitat types are provided in Table 6.4.5). Unlike the Defra metric, four distinctiveness categories are described for the Project; this follows the method described by Treweek *et al.* (2010). The additional category is termed “negligible” and has been added to account for the landscape around Heathrow being dominated by habitats that have been heavily modified (e.g. large-scale infrastructure such as the M25 (sealed surfaces), areas of hardstanding such as truck parks, active sand and gravel extraction areas, active waste operations etc.). The negligible category ensures that the built environment (where it has negligible value to biodiversity) is excluded from the gain/loss calculations.

Table 6.4.1 Habitat Distinctiveness (terrestrial and freshwater habitats excluding linear features)

Distinctiveness	Habitats covered	Multiplier	Type of offset
High	Habitats of Principal Importance in England (HPI) These habitats are identified through the definitions provided in the UK Biodiversity Action Plan Priority Habitat Descriptions	6	Same distinctiveness category and ideally like for like
Moderate	Semi-natural habitats that do not qualify as HPI. These include semi-natural grassland and woodland (including plantation), and road embankments/verges (that are not intensively managed). Mosaics of habitat with low/moderate elements will be classed overall as being of moderate distinctiveness.	4	Same or higher distinctiveness category
Low	Arable land, improved, poor semi-improved and amenity grassland (including intensively managed road embankment/verges) and dense non-native shrub landscape planting. Grassed areas within the existing operational airport are also included here - these are managed to ensure a low diversity of flora and low levels of invertebrates however they do support conservation notable fauna such as skylark. Any buildings with green roofs or other obvious biodiversity value will also be included in this category.	2	Higher distinctiveness category



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Distinctiveness	Habitats covered	Multiplier	Type of offset
Negligible	Hard-standing (e.g. roads and car parks), buildings (without green roofs), bare ground (dominated by compacted hardcore areas).	0	Not applicable

Linear features - hedgerows

5.2.2 The Defra metric places all hedgerows in the high distinctiveness band. For the Project, three distinctiveness categories have been used to take into consideration the variety of hedgerows present in the potential development footprint and surrounds (Table 6.4.2). This change has been made to account for both hedgerows that are dominated by non-native species (sometimes used as boundary treatments for industrial premises) and those that have low diversity (often due to associated management practices reflecting the largely non-arable landscape).

Table 6.4.2 Habitat Distinctiveness (hedgerows)

Distinctiveness	Habitats covered	Multiplier	Type of offset
High	Native hedgerows qualifying as “important” under the Hedgerows Regulations 1997. These hedgerows are HPI and/or species-rich (i.e. at least five native woody species in any 30m length).	6	Same distinctiveness category and ideally like for like
Moderate	Native hedgerows that are not considered “important” under the Hedgerows Regulations 1997. These hedgerows are HPI but are not species-rich (i.e. they support fewer than five native woody species in any 30m section).	4	Same or higher distinctiveness category
Low	Hedgerows dominated by non-native species. These hedgerows are not HPI or classified as ‘important’ under the	2	Higher distinctiveness category



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Distinctiveness	Habitats covered	Multiplier	Type of offset
	Hedgerows Regulations 1997.		

Linear features - ditches

5.2.3 Ditches (including dry ditches, those that hold water seasonally and those that are permanently wet) are not mentioned within the guidance produced by Defra. As these features are present within the landscape and can have biodiversity value, they are to be considered within the biodiversity offsetting metric for the Project. Three distinctiveness categories for ditches have been developed for the Project; these are described in Table 6.4.3 and are informed by the description of environmentally valuable ditches within the Higher-Level Stewardship Farm Environment Plan Manual (HLS-FEP).

Table 6.4.3 Habitat Distinctiveness (ditches)

Distinctiveness	Habitats covered	Multiplier	Type of offset
High	High environmental value wet ditches ¹⁴ . These are ditches that contain more than ten submerged, floating or emergent native aquatic plant species per 20m stretch or contain species of high conservation interest, for example water voles. These ditches are normally found on flood plains and marshes. Traditionally they would have been used both to control water levels and to act as stock-proof barriers around summer pastures. Agricultural drainage ditches may be included if they meet the minimum depth requirement (30cm), contain more than ten submerged, floating or emergent native aquatic plant species per 20m stretch or contain species of high conservation interest and regularly	6	Same distinctiveness category and ideally like for like

¹⁴ As defined in the Higher Level Stewardship – Farm Environment Plan (FEP) Manual (Natural England, 2010)



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Distinctiveness	Habitats covered	Multiplier	Type of offset
	contain standing or flowing water.		
Moderate	Wet ditches (i.e. regularly contain standing or flowing water) that are not of high environmental value as floristic diversity is not great enough to confer "high distinctiveness". Dry ditches with good floristic diversity.	4	Same or higher distinctiveness category
Low	Dry ditches	2	Higher distinctiveness category

Linear features – rivers and streams

5.2.4 Rivers and streams will all be considered to be of high distinctiveness within the metric. This reflects the integral part that these features play in the landscape of the Colne and Crane Valley. This approach has been taken following consultation with the Environment Agency.

5.3 Habitat condition

Terrestrial habitats excluding linear features

5.3.1 The Defra metric bases the assessment of habitat condition on the HLS-FEP. The aim of a Farm Environment Plan is to provide a complete picture of the environmental interest of a farm and is an essential part of the application process for HLS funding (Natural England, 2010).

5.3.2 However, as the potential areas of development and the surrounds are not dominated by agriculture the use of the HLS-FEP method is problematic for the Project. Other large projects (e.g. HS2) and Natural England pilot projects (Warwickshire County Council, 2014) have encountered similar problems with using the HLS-FEP method to assess habitat condition. To ensure that habitat condition can be assessed adequately for the Project, a revised methodology based on the HLS-FEP has been adopted. This methodology attributes habitat condition to one of three categories and assigns habitats to each based on the number of qualifying criteria that are missed or failed (Table 6.4.4). These criteria have been adapted, where appropriate, from the HLS-FEP to reflect the urbanised landscape surrounding Heathrow Airport (Table 6.4.5).



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Table 6.4.4 Habitat Condition categories

Criteria missed/failed	Habitat Condition	Multiplier
0	Good	3
1	Moderate	2
2 or more	Poor	1

5.3.3 Table 6.4.5 presents the habitat types known to be present in areas of potential development and the wider surrounds together with the habitat condition criteria to be used for the Project.

5.3.4 The information required to inform the habitat condition assessment will be collected during the Phase 1 Habitat and National Vegetation Classification (NVC) surveys. In some cases, the habitat condition category is assigned based on the habitat distinctiveness category only (e.g. all habitats of negligible and low distinctiveness are automatically in the poor habitat condition category); this is the same approach adopted by parts of the Natural England pilot study (Warwickshire County Council, 2014).

Table 6.4.5 Habitat Condition criteria for terrestrial and freshwater habitats excluding rivers and streams (channel).

Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
HPI Semi-natural broadleaved woodland (lowland mixed deciduous woodland and wet woodland)	6	Non-native tree species account for less than 10% of the canopy Diverse age and height structure, with at least 30% of the trees being mature Presence of regeneration (seedlings, saplings and young trees) Presence of standing and fallen dead wood Woodland is largely free of human activity (e.g. pheasant rearing, fly-tipping, human occupation)	Phase 1 Habitat Survey and NVC survey
Other Semi-natural broadleaved woodland	4	Non-native tree species account for less than 10% of the canopy	Phase 1 Habitat Survey and NVC survey



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Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
		<p>Diverse age and height structure, with at least 30% of the trees being mature</p> <p>Presence of regeneration (seedlings, saplings and young trees)</p> <p>Presence of standing and fallen dead wood</p> <p>Woodland is largely free of human activity (e.g. pheasant rearing, fly-tipping, machinery storage, human occupation)</p>	
Planted broadleaved/mixed woodland	4	<p>Non-native tree species account for less than 30% of the canopy</p> <p>At least three native tree species present</p> <p>Presence of regeneration (seedlings, saplings and young trees)</p> <p>Woodland is largely free of human activity (e.g. pheasant rearing, fly-tipping, machinery storage, human occupation)</p>	Phase 1 Habitat Survey
Planted coniferous woodland	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey
HPI Parkland and wood pasture	6	<p>Diverse age and height structure, with at least 30% of the trees being mature</p> <p>There should be minimal bare earth and no evidence of poaching by livestock.</p> <p>Non-native tree species account for less than 10% of the canopy</p> <p>Presence of standing and fallen dead wood</p>	Phase 1 Habitat Survey
Dense native scrub	4	Good condition: all of the following apply: pernicious weeds and invasive species make	Phase 1 Habitat Survey



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Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
		<p>up less than 5% of the ground cover; there are at least three native woody species with no one comprising more than 75% of the cover; and there is a good age range – a mixture of seedlings, saplings, young shrubs and mature shrubs.</p> <p>Moderate condition: pernicious weeds and invasive species make up less than 5% of the ground cover and/or there are at least three native woody species</p> <p>Poor condition: pernicious weeds and invasive species make up more than 5% of the ground cover and/or there are less than three native woody species</p>	
Scattered scrub	2	Assign the condition of the habitat in which the scattered scrub is present	Phase 1 Habitat Survey
HPI Semi-improved neutral grassland (lowland meadows, species-rich)	6	<p>Cover of undesirable species (creeping thistle, spear thistle, curled dock, broad-leaved dock, common ragwort, common nettle, marsh ragwort, cow parsley and bracken) is less than 5%</p> <p>Cover of wildflowers and sedges throughout the sward (excluding the undesirable species listed above and creeping buttercup and white clover) is more than 20%</p> <p>Cover of bare ground (including localised areas, for example, rabbit warrens) is less than 10%</p>	Phase 1 Habitat Survey and NVC survey



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Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
		<p>Cover of invasive trees and shrubs is less than 5%, and indicators of water logging (such as large sedges, rushes, reeds) are less than 30%</p> <p>At least two indicator species are frequent and two occasional¹⁵</p>	
<p>Other semi-improved neutral grassland (incl. road verges that are not intensively managed)</p>	4	<p>Cover of undesirable species (creeping thistle, spear thistle, curled dock, broad-leaved dock, common ragwort, common nettle, marsh ragwort, cow parsley and bracken) is less than 5%</p> <p>Cover of wildflowers and sedges throughout the sward (excluding the undesirable species listed above and creeping buttercup and white clover) is more than 20%</p> <p>Cover of bare ground (including localised areas, for example, rabbit warrens) is less than 10%</p> <p>Cover of invasive trees and shrubs is less than 5%, and indicators of water logging (such as large sedges, rushes, reeds) are less than 30%</p> <p>At least two indicator species are frequent and two occasional¹⁶</p>	<p>Phase 1 Habitat Survey NVC survey Management plans for motorway verges</p>
<p>Poor semi-improved grassland (incl. grassland within existing airport and some intensively managed road verges/embankments)</p>	2	<p>No criteria - assume poor habitat condition due to low distinctiveness</p>	<p>Phase 1 Habitat Survey Management plans for motorway verges</p>

¹⁵ Indicator species are listed in Natural England (2010)

¹⁶ Indicator species are listed in Natural England (2010)



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Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
HPI coastal and flood plain grazing marsh	6	Cover of undesirable species (creeping thistle, spear thistle, curled dock, broad-leaved dock, common ragwort, marsh ragwort and common nettle) is less than 5% In-field scrub cover should be zero and scrub cover over ditches is less than 10%	Phase 1 Habitat Survey NVC survey
Marshy grassland (excluding HPI coastal and flood plain grazing marsh)	4	Cover of undesirable species (creeping thistle, spear thistle, curled dock, broad-leaved dock, common ragwort, marsh ragwort and common nettle) is less than 5%. In-field scrub cover is zero and scrub cover over the ditches is less than 10%	Phase 1 Habitat Survey NVC survey
HPI Reedbed	6	Cover of scrub within the reedbed is less than 10% The vegetation includes at least 60% reeds Surface water is present over at least part of the reedbed for most of the year Cover of undesirable species (common nettle, docks, creeping/ spear thistles, common ragwort and Indian (Himalayan) balsam) is less than 10%	Phase 1 Habitat Survey NVC survey
Non-HPI reedbed (including engineered reedbed) and other swamp	4	Cover of scrub within the reedbed is less than 10% The vegetation includes at least 60% reeds Engineered reedbeds remain planted and active (other than during scheduled or emergency maintenance) throughout the year –	Phase 1 Habitat Survey Reedbed management plan



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Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
		this criterion cannot be missed Cover of undesirable species (common nettle, docks, creeping/spear thistles, common ragwort and Indian (Himalayan) balsam) is less than 10%	
HPI standing water (eutrophic)	6	A marginal fringe of emergent vegetation is present A range of submerged and floating leaved plants is present Clear water is dominated by plants (and the water is not turbid or green)	Phase 1 Habitat Survey
Non-HPI standing water (eutrophic)	4	A marginal fringe of emergent vegetation is present A range of submerged and floating leaved plants is present Clear water is dominated by plants (and the water is not turbid or green)	Phase 1 Habitat Survey
Improved grassland	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey
Amenity grassland (including intensively managed road verges/embankments)	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey Management plans for motorway verges
Ephemeral short perennial	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey
Tall ruderal	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey
Arable land	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey



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Habitat type	Distinctiveness	Habitat Condition criteria	Evidence
Dense non-native scrub (incl. landscape planting)	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey
Hard-standing (e.g. roads and car parks)	0	No criteria - assume poor habitat condition due to negligible distinctiveness	Phase 1 Habitat Survey
Buildings with green roofs	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey
Buildings without green roofs	0	No criteria - assume poor habitat condition due to negligible distinctiveness	Phase 1 Habitat Survey
Bare ground	0	No criteria - assume poor habitat condition due to negligible distinctiveness	Phase 1 Habitat Survey

Linear features - hedgerows

5.3.5 The criteria for hedgerow condition assessment are presented in Table 6.4.6.

Table 6.4.6 Habitat Condition criteria for hedgerows

Hedgerow type	Distinctiveness	Habitat Condition criteria	Evidence
HPI and 'important' native hedgerow	6	The hedgerow is at least 2m in height The hedgerow is at least 1.5m wide No more than 10% of the hedgerow length is occupied by gaps and no one gap should be greater than 5m wide (this excludes access points and gates)	Phase 1 Habitat Survey and Hedgerows Regulations Assessment
HPI native hedgerow (not 'important')	4	The hedgerow is at least 2m in height The hedgerow is at least 1.5m wide No more than 10% of the hedgerow length is occupied by gaps and no one gap should be greater than 5m wide	Phase 1 Habitat Survey and Hedgerows Regulations Assessment



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Hedgerow type	Distinctiveness	Habitat Condition criteria	Evidence
		(this excludes access points and gates) No more than 50% of the hedgerow is made up of non-native woody plants	
Non-native hedgerow	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey

Linear features - ditches

5.3.6 The criteria for ditch condition assessment are presented in Table 6.4.7.

Table 6.4.7 Habitat Condition criteria for ditches

Ditch type	Distinctiveness	Habitat Condition criteria	Evidence
High environmental value wet ditches¹⁷	6	Water levels in the ditch must be no more than 45cm below the mean field level and the water must have a minimum depth of 30cm throughout the year Cover of macro-algae is less than 30% in the summer The following species together make up less than 75% of the vegetation cover: common duckweed, fennel pondweed and yellow water-lily The following species make up less than 10% of the vegetation cover: New Zealand pygmyweed, floating pennywort, waterfern and parrot's feather Less than 20% of the ditch is in heavy shade (unless the ditch is adjacent to a hedge or within a woodland) and more than 25% has a	Phase 1 Habitat Survey Ditch habitat survey

¹⁷ As defined in the Higher-Level Stewardship – Farm Environment Plan (FEP) Manual (Natural England, 2010)



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Ditch type	Distinctiveness	Habitat Condition criteria	Evidence
		gently sloping profile or berms and shelves	
Wet ditches that are not of high environmental value	4	Water levels in the ditch must be no more than 45cm below the mean field level and the water must have a minimum depth of 30cm throughout the year Cover of macro-algae is less than 30% in the summer The following species together make up less than 75% of the vegetation cover: common duckweed, fennel pondweed and yellow water-lily The following species make up less than 10% of the vegetation cover: New Zealand pygmyweed, floating pennywort, waterfern and parrot's feather Less than 20% of the ditch is in heavy shade (unless the ditch is adjacent to a hedge or within a woodland) and more than 25% has a gently sloping profile or berms and shelves	Phase 1 Habitat Survey Ditch habitat survey
Dry ditches	2	No criteria - assume poor habitat condition due to low distinctiveness	Phase 1 Habitat Survey Ditch habitat survey

Linear features – rivers and streams

5.3.7 Determining the condition of rivers and streams is complex due to the many facets that determine the quality of these dynamic environments. In order to determine condition the following elements will be accounted for:

1. River and stream habitats¹⁸

¹⁸ Habitat quality will be determined following a method to be agreed with the Environment Agency.



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2. Freshwater invertebrates (classified as per the WFD assessment, but at the local scale, as a proxy for water quality)¹⁹;
3. Freshwater invertebrates (classified as per the Community Composition Index as a way to measure conservation value)²⁰
4. Macrophyte community (classified as per the WFD assessment, but at a local scale)¹⁸
5. Fish community²¹

5.3.8 Following field survey and data analysis each of the elements above will be categorised as good, moderate or poor. The framework shown in Table 6.4.8 then determines the overall condition category for rivers and streams.

Table 6.4.8 Determination of condition criteria for rivers and streams

Habitat Quality	Other Elements (as per the list above)	Overall Condition Category
Good	One or more are "Good"	Good
Good	No other elements are "Good"	Moderate
Moderate	Two or more are "Good"	Good
Moderate	One or fewer are "Good", one or more are "Moderate"	Moderate
Moderate	All elements are "Poor"	Poor
Poor	Two or more are "Good or Moderate"	Moderate
Poor	One or fewer are "Good or Moderate"	Poor

5.4 Biodiversity loss and gain calculation

Calculation of biodiversity units

5.4.1 The value of the habitat to be temporarily or permanently lost to development will be calculated using the following formula (A):

¹⁹ Ecological Quality Ratios of high or good will represent a biodiversity offsetting condition of "good", of moderate will represent a biodiversity offsetting condition of "moderate" and poor or bad will represent a biodiversity offsetting condition of "poor"

²⁰ Community Conservation Index scores of low will represent a biodiversity offsetting condition of "poor", scores of moderate will represent a biodiversity offsetting condition of "moderate" and high and very high values will represent a biodiversity offsetting value of "Good".

²¹ The fish community will be subject to consideration using the Fisheries Classification System 2 (FCS2), in-conjunction with the Environment Agency, should the tool be available (its current usage being restricted to WFD waterbodies as a whole). If FCS2 is not available, we will agree an appropriate method with the Environment Agency.



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$$\text{Biodiversity units lost} = \text{habitat area}^{22} \text{ (ha)} \times \text{distinctiveness score} \times \text{current condition score}$$

- 5.4.2 To ensure no net loss to biodiversity, the output of this calculation must be matched by the predicted number of biodiversity units associated with habitats that are planned for creation or restoration (or exceeded to demonstrate a net gain). This includes both habitats within the development area (e.g. green spaces incorporated within the project design) and those in offsetting areas (e.g. green infrastructure associated with the development).
- 5.4.3 The added value of the habitats to be created or restored is calculated as the predicted target condition of the habitat minus the current baseline using the following formula (B)²³:

$$\text{Biodiversity units gained} = (\text{habitat area (ha)} \times \text{distinctiveness score} \times \text{target condition score}) - (\text{habitat area (ha)} \times \text{distinctiveness score} \times \text{current condition score})$$

Accounting for risks

- 5.4.4 Following this calculation of gross biodiversity gains, delivery risks, spatial risks and temporal risks must be accounted for where applicable. These risk factors (also referred to as risk multipliers) are applied to reflect the difficulties associated with habitat creation and restoration.
- 5.4.5 Habitat creation and restoration are not always efficient and successful. To mitigate for this risk a multiplier will be applied depending on how difficult it is to create or restore each type of habitat (a delivery risk). It is generally accepted that restoration of existing degraded habitats attracts a lower risk than habitat creation. Habitats in the high distinctiveness band are usually more difficult to create or restore compared to other habitats.
- 5.4.6 The habitats that may be created or restored as part of the offsetting for the Project are listed in Annex A together with the associated delivery risks.
- 5.4.7 Table 6.4.9 presents the delivery risk multipliers that will be applied. It is envisaged that this project will only provide habitat creation and restoration in the medium and low delivery risk categories²⁴; account will be made for habitats of high

²² For linear features habitat area is replaced by length measured in metres. For rivers and streams no distinctiveness score is included in the calculation.

²³ Note the final value accounts for a variety of risks as shown in Formula C

²⁴ This is based on the types of habitats currently and historically present in the area.



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distinctiveness with a presumption of like for like offsetting and no “trading down” will be considered (i.e. replacement of habitats of high distinctiveness with those of moderate distinctiveness).

Table 6.4.9 Delivery risk multipliers

Difficulty of habitat creation/restoration	Multiplier
Very high	10
High	3
Medium	1.5
Low	1

5.4.8 There will be a time lag between the impacts of the Project (i.e. when the habitat is removed) and the time required for the created/restored habitat to achieve target distinctiveness and condition. Habitats in the high distinctiveness category are likely to require more time compared to those in lower distinctiveness categories. The years to target distinctiveness and condition for all habitats likely to be created are provided in Annex A.

5.4.9 To address the temporal risks, the multipliers presented in Table 6.4.10 will be used in the offset calculations. The nature and large scale of the Project mean that construction activities will be undertaken over a long period (e.g. ten years). Vegetation clearance and direct impacts on habitats will therefore occur at different times in each area of development. The variable time gaps between vegetation clearance and the offset habitat being functional will be taken into consideration in the biodiversity offset calculations. This aspect can only be Addressed when the full/detailed construction programme is available (expected 2018).

Table 6.4.10 Temporal risk multipliers

Years to target condition	Multiplier
5	1.2
10	1.4
15	1.7
20	2.0
25	2.4
30	2.8
32+	3



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- 5.4.10 The Defra metric has been structured to encourage local provision of the offset through a spatial risk multiplier. This is a premise that has also been apparent in the advice of Natural England to other large infrastructure projects providing biodiversity offsets and in the wording of paragraph 5.94 of the revised draft ANPS.
- 5.4.11 Within the Defra Biodiversity Offsetting pilot study this was achieved by each of the six local authorities taking part producing a local offsetting strategy which highlighted conservation priorities and spatial preferences. Where proposed offsets met with the aims of the local offset strategy (i.e. its location and design is appropriate) then no multiplier was applied, where it was linked but did not meet the central aim a multiplier was applied which halved the value of the proffered habitat creation/restoration. Where it was completely unconnected the level of the multiplier was maximised with preferred habitat creation/restoration being worth a third of that of offsets that meet the aims of the local offsetting strategy.
- 5.4.12 As there are only local offset strategies for the six authorities involved in the pilot study, it is necessary to consider the spatial risk in a different context for projects outside of these planning authority boundaries. To achieve this a relationship can be made with local Biodiversity Action Plans (that identify key habitat types) and other relevant plans or policies that provide a spatial element (e.g. the All London Green Grid Area Framework 10: River Colne and Crane).
- 5.4.13 The spatial risk multipliers for the Project are presented in Table 6.4.11 for all habitats except running water. The spatial risk multipliers associated with rivers and streams are presented in Table 6.4.12.

Table 6.4.11 Spatial risk multiplier

Offset location	Rationale`	Multiplier
<p>Offsets provided within the limits of²⁵:</p> <ul style="list-style-type: none"> The River Colne and Crane Area (Area 10) of the All London Green Grid (ALGG); The Colne Management Catchment²⁶ when south of the M4; The Crane Rivers and Lakes Operational Catchment. <p>Referred to as “Area 1”.</p>	<p>Habitat creation and restoration measures implemented within this area are not considered to attract a spatial risk.</p> <p>The habitats created or restored will contribute to the objectives of the All London Green Grid strategy, Colne Valley Biodiversity Opportunity</p>	1

²⁵ This area has been defined to describe the ecological network within general proximity of Heathrow – focus on river corridors reflects their role in providing ecological connectivity within the area.

²⁶ Management Catchments defined by the Environment Agency (<http://environment.data.gov.uk/catchment-planning>) – accessed 12/12/2017.



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Offset location	Rationale	Multiplier
	Area (BOA), Colne Valley Gravel Pits and Reservoirs BOA and the London Biodiversity Action Plan. These will focus on habitat types either currently or historically present within this area.	
<p>Offsets provided within the following local planning authority areas but outside of Area 1:</p> <ul style="list-style-type: none"> • London Borough of Hillingdon • London Borough of Hounslow • South Buckinghamshire • Slough • Spelthorne • Windsor & Maidenhead • The Colne Management Catchment when north of the M4 and outside ALGG Area 10. <p>Referred to as “Area 2”.</p>	The local authorities listed are those in which development may take place as part of Project. The habitats created or restored will contribute to the objectives of a variety of biodiversity opportunity areas; will provide linkages within the wider landscape; and will focus on habitat types either currently or historically present within these areas. They will also be in relatively close proximity to the All London Green Grid Area 10 and therefore contribute to landscape scale biodiversity improvement.	2
<p>Offsets provided in areas outside Areas 1 & 2 but within the following wider county boundaries: Berkshire, Surrey, Buckinghamshire and Greater London</p>	The habitats created or restored will provide linkages within the wider landscape and, will provide landscape scale biodiversity management linked to the areas closer to Heathrow.	3
<p>Offsets provided in any other area of England</p>	The habitats created or restored will not contribute to local objectives. Any offsetting provided in such areas will contribute to overall biodiversity, although this will not be linked with the areas in which the effects of the development would be realised.	4



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Table 6.4.12 Spatial risk multiplier (rivers and streams, channels only)

Offset location	Rationale`	Multiplier
Offsets provided within the limits of²⁷: <ul style="list-style-type: none"> • The Colne Management Catchment; • The Crane Rivers and Lakes Operational Catchment. Referred to as Area A	Habitat creation and restoration measures implemented within this area are not considered to attract a spatial risk as they are located within WFD water body catchments. As such the measures implemented will contribute to the objectives of the WFD.	1
Offsets provided within the limits of adjacent management catchments to Area A: <ul style="list-style-type: none"> • London Management Catchment; • Lee Upper Management Catchment; • Thames & Chiltern South Management Catchment; • Maidenhead and Sunbury Management Catchment. Referred to as Area B	The habitats created or restored will contribute to the biodiversity of the wider freshwater environment and be linked with freshwater habitats in the immediate vicinity of Heathrow.	2
Offsets provided within any other areas of the Thames River Basin District not covered by Areas A or B.	The habitats created or restored will contribute to the biodiversity of the wider freshwater environment and be linked with freshwater habitats in the immediate vicinity of Heathrow.	3
Offsets provided in any other River Basin District in England	The habitats created or restored will not contribute to local objectives. Any offsetting provided in such areas will contribute to overall biodiversity, although this will not be linked with the areas in which the effects of the development would be realised.	4

5.4.14 Accounting for the risk factors described above provides the final value of the proposed offset and results in the following formula (C):

$$\text{Biodiversity units gained} = \text{Formula B} / (\text{Delivery Risk} \times \text{Temporal Risk} \times \text{Spatial Risk})$$

²⁷ This area has been defined to describe the ecological network within general proximity of Heathrow – focus on river corridors reflects their role in providing ecological connectivity within the area.



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ANNEX A DELIVERY AND TEMPORAL RISK FACTORS FOR CREATING OR RESTORING HABITATS



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The habitats in the table below are those known to be present in the areas of potential development and surrounds and other habitats that may be created as part of the offsetting for the Project; the latter being in keeping with historic land uses.

The delivery and temporal risk multipliers presented have been derived using information from Defra guidance, Treweek et al. (2010), Warwickshire County Council (2014) and professional judgement.

Table A1 Delivery and temporal risk factors for creating or restoring habitats

Habitat type	Target distinctiveness	Difficulty of creation	Difficulty of restoration	Years to target condition
Semi-natural broadleaved woodland (incl. lowland mixed deciduous woodland)	6,4	Medium	Low	32+
Wet woodland (excluding willow carr)	6,4	Medium	Low	32+
Willow carr	4	Low	Low	10
Coniferous or broadleaved woodland plantation	2	Medium	Low	10
Parkland and wood pasture	6,4	Medium	Low	32+
Dense native scrub	4	Low	Low	5
Coastal and floodplain grazing marsh	6,4	Low	Low	5
Semi-improved neutral grassland (lowland meadows, species-rich)	6,4	Medium	Low	5



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Habitat type	Target distinctiveness	Difficulty of creation	Difficulty of restoration	Years to target condition
Other semi-improved neutral grassland (incl. road verges that are not intensively managed)	4	Low	Low	5
Poor semi-improved grassland (incl. intensively managed road verges)	2	Low	Low	5
Lowland calcareous grassland	6,4	Medium	Low	10
Marshy grassland	4	Medium	Low	5
Reedbeds	6,4	Low	Low	5
Open mosaic of habitats on previously developed land	6,4	Low	Low	5
Improved grassland	2	Low	Low	5
Amenity grassland	2	Low	Low	5
Eutrophic standing water (lakes)	6,4	Medium	Medium	5
Ponds	6,4	Low	Low	5



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Habitat type	Target distinctiveness	Difficulty of creation	Difficulty of restoration	Years to target condition
Ditch	6,4,2	Low	Low	5
Tree line	4	Low	Low	10
Native hedgerows without trees	6,4	Low	Low	5
Native hedge with trees	6,4	Low	Low	10
Rivers and Streams	6	High/Medium ²⁸	Low	5
Arable field margins	6,4	Low	n/a	5
Dense non-native scrub (incl. landscape planting)	2	Low	Low	5
Traditional orchards	4	Low	Low	10

²⁸ Delivery risk for creating rivers and streams would be determined in discussion with the Environment Agency following detailed design. The delivery risk will be dependent on the type of design and the baseline situation (e.g. topography, substrate etc.).



Appendix 8.1

Current and future climate data

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Current and future climate data



- 1.1.1 Table 8.1.1 provides a summary of the historic annual and seasonal long-term averages for temperature, precipitation and wind. The information on precipitation and temperature has been obtained from the UK Climate Programme 2009 (UKCP09) gridded observation dataset¹ and the information on wind speed and prevailing winds has been obtained from the weather station at Heathrow². The information on historic precipitation and temperature extreme events shown Table 8.1.1 has been obtained from the UKCP09 Weather Generator³.
- 1.1.2 Table 8.1.1 also includes information on lightning and fog obtained from the reports published as part of UKCP09 as additional products^{4,5}.

Table 8.1.1 Heathrow historic climate data (30-year monthly average for 1961-1990)

Climate variable	Parameter	Value
Temperature	Mean winter daily temperature [°C]	4.4
	Mean summer daily temperature [°C]	16.4
	Mean daily summer maximum temperature [°C]	21.2
	Mean daily summer minimum temperature [°C]	11.6
	Mean daily winter maximum temperature [°C]	7.27
	Mean daily winter minimum temperature [°C]	1.5
Precipitation	Annual mean daily precipitation [mm/day]	1.75
	Winter mean daily precipitation [mm/day]	1.75
	Summer mean daily precipitation [mm/day]	1.66
Wind	Annual mean daily wind speed [m/s]	4.2
	Prevailing wind directions	South west
	Winter mean daily wind speed [m/s]	4.4
	Summer mean daily wind speed [m/s]	3.9

¹ UKCP09 gridded observational data

<https://www.metoffice.gov.uk/climatechange/science/monitoring/ukcp09/> (accessed 02 May 2018)

² Met Office weather station at Heathrow. Hourly data records for temperature, precipitation, and wind speed and direction from 1960 have been obtained, the period 1961-1990 has been used to represent current climate in Table 8.1.1. Additional information on the weather stations available at:

<https://www.metoffice.gov.uk/public/weather/climate/gcpsvg3nc> (accessed 02 May 2018)

³ A Weather Generator is a statistical method of creating projections of future daily (or sub-daily) climate that are consistent with climate change projections for longer temporal averaging periods. Additional information available at: Weather Generator <http://ukclimateprojections.metoffice.gov.uk/23261> (accessed 02 May 2018)

⁴ Penelope Boorman, Geoff Jenkins and James Murphy, Future change in fog frequency from the UKCP09 ensemble of regional climate model projections. UKCP09 Additional product, Met Office Hadley Centre, Exeter, September 2010

⁵ Penelope Boorman, Geoff Jenkins, James Murphy and Kirsty Burgess, Future change in lightning from the UKCP09 ensemble of regional climate model projections. UKCP09 technical note. Met Office Hadley Centre, Exeter, November 2010

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Current and future climate data



Climate variable	Parameter	Value
Lightning	Number of days with lightning per season	<10
Fog	Average number of fog days in winter	5.0
	Average number of fog days in summer	0.3
Extreme weather events (from UKCP09 Weather Generator)	Annual number of hot days (when daily maximum temperature is >25°C)	8
	Heatwaves (2 days with maximum temperature higher than 29°C and minimum temperature higher than 15°C)	0.2
	Annual number of frost days (when daily minimum temperature is 0°C or lower)	17
	Annual number of day per year when precipitation is greater than 25mm per day (Met Office definition of 'heavy rain')	1.2
	Annual number of dry spells (10+ days with no precipitation)	5.5

- 1.1.3 Tables 8.1.2 to 8.1.4 summarise the main climate change projections for temperature, precipitation, wind, fog and lightning. The information from Table 8.1.2 has been obtained from the UKCP09 probabilistic projections. It includes projections for the medium scenario and 50% probability level and the high emission scenario for the 50% probability level. It also shows the range between the 10% probability level for the medium scenario and 90% probability level for the high emissions scenario.
- 1.1.4 The information on extreme temperature and precipitation in Table 8.1.3 has been obtained from the UKCP09 Weather Generator, as probabilistic projections are not available. Table 8.1.4 is based on the information available in the UKCP09 reports on future changes in fog, wind and lightning.
- 1.1.5 A comparison of the climate models used in UKCP09 and the Coupled Model Intercomparison Project Phase 5 (CMIP5) model ensembles⁶ showed that future changes in average climatological conditions across CMIP5 models are generally consistent with the probabilistic projections from UKCP09, with the exception of summer rainfall. Both UKCP09 and CMIP5 agree on a decrease in summer rainfall. However, CMIP5 suggests smaller reductions than UKCP09. The advice from the Met Office is to consider CMIP5 results alongside UKCP09 for summer rainfall. The CMIP5 projections for summer rainfall point to a larger decrease in summer rainfall than the UKCP09 projections. For Heathrow, for the 2050s future period, medium scenario and 50% probability level the UKCP09 projections

⁶ CMIP5 is the project phase that has provided global climate model outputs for the preparation of the Intergovernmental Panel on Climate Change (IPCC) 5th Assessment report (AR5), which was published after UKCP09. See: CIMP5 - Coupled Model Intercomparison Project 5 - Overview <https://cmip.llnl.gov/cmip5/> (accessed 02 May 2018)

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Current and future climate data



indicate a decrease of 16% while CMIP5 projections indicate a decrease of 6%. For the 2080s, medium scenario and 50% probability level the UKCP09 projections indicate a decrease of 22% and CMIP5 indicate a decrease of 5%.

Table 8.1.2 Climate change projections for mean temperature and precipitation. The table shows the absolute values for the future period

Timeline		2020s			2050s			2080s		
Parameter and baseline (in brackets, 1961-1990)		High 10%	High 50%	High 90%	High 10%Err or! Bookmark not defined	High 50%	High 90%	High 10%	High 50%	High 90%
Temperature	Winter mean temperature (°C) (4.4°C)	5.0	5.8	6.6	5.8	6.9	8.2	6.4	8.1	10.1
	Summer mean temperature (°C) (16.4)	16.9	17.9	19.1	17.8	19.5	21.7	19.0	21.4	24.5
	Winter mean daily minimum temperature (°C) (1.5)	2.1	3.0	3.9	2.8	4.2	5.9	3.2	5.5	8.2
	Summer mean daily maximum temperature (°C) (21.2)	21.8	23.1	24.6	22.9	25.2	28.1	24.1	27.5	32.0
Precipitation	Winter mean precipitation (mm) (1.75)	1.7	1.9	2.1	1.8	2.0	2.4	1.9	2.2	2.8
	Summer mean precipitation (mm) (1.66)	1.3	1.6	2.0	1.0	1.3	1.8	0.7	1.2	1.7

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Current and future climate data



Table 8.1.3 Climate change projections for extreme temperature and precipitation obtained from the UKCP09 Weather Generator. The table shows the absolute values for the future period

Timeline		2020s	2050s	2080s
Parameter and baseline (in brackets, 1961-1990)		High	High	High
Temperature	Number of frost days (daily minimum temperature equal or lower than 0°C) (17)	11	8	5
	Heatwaves (2 days with maximum temperature higher than 29°C and minimum temperature higher than 15°C) (0.2)	1	3	5.5
	Number of hot days (daily maximum temperature higher than 25°C) (8)	13	17	20
Precipitation	Dry spells (10 days or more with no precipitation) (5.5)	6.7	7.5	7.5
	Annual number of days per year when precipitation is greater than 25mm per day (Met Office definition of 'heavy rain') (1.2)	1.5	1.7	2

Table 8.1.4 Climate change projections for wind, fog and lightning. The table shows the projected change from current to future climate conditions

Timeline		2050s			2080s		
Parameter and baseline (in brackets, 1961-1990)		High 10%	High 50%	High 90%	High 10%	High 50%	High 90%
Wind	Winter mean wind speed [m/s] (4.4)	-0.2 to -0.1	-0.2 to -0.1	0.1 to 0.2	-0.2 to -0.1	-0.2 to -0.1	0.1 to 0.2
	Summer mean wind speed [m/s] (3.9)	-0.2 to 0	0 to 0.2	0 to 0.2	-0.4 to -0.2	-0.2 to 0	0 to 0.2
Fog	Winter (number of fog days) (5.0)	No information available			No information available. Projections for the medium scenario indicate an increase of 20%		
	Summer (number of fog days) (0.3)	No information available			No information available. Projections for the medium scenario indicate a decrease of 67%		
Lightning	Number of days with lightning	No information available			May become more frequent		

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Current and future climate data



- 1.1.6 H++ scenarios⁷ are high-end scenarios which provide information on high impact but low likelihood events. H++ scenarios are typically beyond the 10% to 90% probability range of the UKCP09 and CMIP5 projections. The following list summarises the main H++ scenarios:
1. The H++ scenario for high temperature points to annual average summer temperatures higher than 34°C in much central and southern England. The H++ scenario also shows that absolute temperatures in excess of 40°C on the hottest days in summer are entirely possible (the maximum temperature in London is estimated to be 48°C)
 2. The L-- cold scenario for the 2080s scenario points towards average winter temperatures of approximately -4°C, with temperatures on the coldest day of approximately -11°C
 3. The H++ scenario for low rainfall includes a six-month duration summer droughts with rainfall deficits up to 60% below the long-term average and longer dry periods spanning several years with rainfall deficits up to 20% below the long term average
 4. For high rainfall the H++ scenario indicates a 70%-100% increase in winter rainfall and an up to five-fold increase in the frequency of heavy rainfall and 60% to 80% increase in heavy daily and sub-daily rainfall depths, for both summer and winter events
 5. For wind the H++ scenario for the 2080s indicates a 50%-80% increase in the number of days with 'strong winds'.

⁷ Steven Wade, Michael Sanderson, Nicola Golding, Jason Lowe and Richard Betts, Nick Reynard, Alison Kay, Lisa Stewart and Christel Prudhomme, Len Shaffrey, Ben Lloyd-Hughes and Ben Harvey, Developing H++ climate change scenarios for heat waves, droughts, floods, windstorms and cold snaps. Adaptation Sub-Committee, October 2015



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In-combination climate change impacts assessment – template

Appendix 8.2

In-combination climate change impacts assessment – template



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In-combination climate change impacts assessment – template

1.1.1 Table 8.2.1 and Table 8.2.2 illustrate a proposed template for presenting the results of the in-combination climate change impacts (ICCI) assessment. Table 8.2.1 lists each topic on a new row for the purposes of brevity; the results of the ICCI assessment will be presented separately for each environmental topic, forming 14 separate tables overall. A more comprehensive spreadsheet will be used for undertaking the assessment itself.

Table 8.2.1 Template for initial Stage 1 ICCI assessment

Resources/receptors potentially impacted by the DCO Project by environmental topic	Effects of the DCO Project on resources/receptors/identified by environmental topic	Existing standard, embedded and additional mitigation measures (taken into account)	Potential climate change impacts on resources/receptors	Likelihood of in-combination impacts and effects, given topic specific assessment methodologies and existing/embedded mitigation measures	Categorisation of topics based on number and significance of in-combination climate change impacts
Resources/receptors for Biodiversity: Semi-natural broadleaved woodland Wet Woodland Coniferous or broadleaved woodland plantation Dense native scrub Reed beds Semi-improved grassland Marshy grassland Improved grassland Amenity grassland Arable land Arable field margins Native hedge with trees Birds	(1) Loss of semi-natural broadleaved woodland habitat (2) Loss of other habitats e.g. marshy grassland (3) Fragmentation of existing broadleaved semi-natural woodland (4) Birds: risk of collision with aircraft at new runway (5) Loss of reptile habitat	Offsetting habitat to be provided (1,2,3) Provision of alternative habitat, translocation of reptiles (5)	(A) Reduced rainfall leading to slower growth rates (trees, shrubs, vegetation) (1,3) (B) Reduced rainfall leading to drying out and deterioration of marshy grassland habitat (2) (C) Higher temperatures affecting woodland tree species (1,3)	(A) Possible (link between reduced rainfall and impact on broadleaved tree species not strongly established in literature) (B) Possible (C) Unlikely	Many potential ICCIs, which are as likely as not to occur - remain scoped in.



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In-combination climate change impacts assessment – template

Resources/ receptors potentially impacted by the DCO Project by environmental topic	Effects of the DCO Project on resources/ receptors/ identified by environmental topic	Existing standard, embedded and additional mitigation measures (taken into account)	Potential climate change impacts on resources/ receptors	Likelihood of in- combination impacts and effects, given topic specific assessment methodologies and existing/ embedded mitigation measures	Categorisation of topics based on number and significance of in- combination climate change impacts
Bats					
Badgers					
Otters					
Great crested newts					
Other species					
Resources/ receptors for Air quality					
Resources/ receptors for Carbon and other greenhouse gases					
Resources/ receptors for Community					
Resources/ receptors for Health					
Resources/ receptors for Historic environment					
Resources/ receptors for Land quality					



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In-combination climate change impacts assessment – template

Resources/ receptors potentially impacted by the DCO Project by environmental topic	Effects of the DCO Project on resources/ receptors/ identified by environmental topic	Existing standard, embedded and additional mitigation measures (taken into account)	Potential climate change impacts on resources/ receptors	Likelihood of in- combination impacts and effects, given topic specific assessment methodologies and existing/ embedded mitigation measures	Categorisation of topics based on number and significance of in- combination climate change impacts
Resources/ receptors for Landscape and visual					
Resources/ receptors for Major accidents and natural disasters					
Resources/ receptors for Noise					
Resources/ receptors for Socio- economics					
Resources/ receptors for Traffic and transport					
Resources/ receptors for Waste and material resources					
Resources/ receptors for Water resources and flood risk					



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In-combination climate change impacts assessment – template

Table 8.2.2 Template for more detailed Stage 2 in-combination climate change impact (ICCI) assessment

Resources/ receptors potentially impacted by the DCO Project by environmental topic	Effects of the DCO Project on resources/ receptors identified by environmental topic	Existing standard, embedded and additional mitigation measures (taken into account)	Potential climate change impacts on resources/ receptors	Likelihood of in-combination impacts and effects, given topic specific assessment methodology and existing mitigation measures	Consequence of in-combination impacts and effects, given topic specific assessment methodology and existing mitigation measures	Significance of in-combination impacts and effects, given topic specific assessment methodology and existing mitigation measures	Additional mitigation measures to address significant effects on the ability of resources and receptors to adapt to climate change	Allowances for future measures and monitoring	Residual effects (effects not mitigated by existing or additional mitigation measures)
For biodiversity: Semi-natural broadleaved woodland	(1) Loss of semi-natural broadleaved woodland habitat	Offsetting habitat to be provided (1)	(A) Reduced rainfall leading to slower tree growth rates, takes longer for offset habitat to be established	(A) As likely as not (link between reduced rainfall and impact on broadleaved tree species not strongly established in literature)	Medium	(1 A) Non-significant effect	N/A	Offset habitat to be monitored to ensure adequate growth rate	
For all other topics as detailed in Table 8.2.1									

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In-combination climate change impacts assessment – template

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Climate change resilience assessment – template



Appendix 8.3

Climate change resilience assessment – template

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Climate change resilience assessment – template



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Heathrow Expansion
Climate change resilience assessment – template

1.1.1 Table 8.3.1 sets out a proposed high-level template for presenting the results of the climate change resilience (CCR) assessment. A more comprehensive spreadsheet will be used for undertaking the assessment itself. An example is provided of two high temperature related risks to the Project for illustrative purposes.

Table 8.3.1 Proposed high-level template for presenting the results of the CCR assessment

Climate hazard	Likelihood of climate hazard occurring	Potential climate change impact as a result of climate hazard occurring	Potential climate change risk for the DCO Project	Construction or operation stage	Infrastructure and assets associated with the DCO Project, affected by potential risk	Existing standard, embedded and additional mitigation measures	Likelihood of climate impact occurring	Consequence of impact occurring	Mitigated risk level. Risk = likelihood of climate impact occurring (given existing mitigation measures) x consequence of impact	Proposed additional mitigation and resilience measures if necessary	Residual effects (effects not mitigated by existing or additional mitigation measures)
High temperatures	Very likely	Overheating of buildings Overheating of critical equipment	Overheating of terminal leading to reduced staff productivity due to thermal discomfort	Operation	Terminal building	Air conditioning included in building design	Likely	Low	Medium	Solar shading Design to allow for retrofitting of additional air conditioning capacity	
			Overheating of terminal leading to passenger discomfort.	Operation	Terminal building	Air conditioning included in building design	Likely	Low	Medium	Solar shading Design to allow for retrofitting of additional air conditioning capacity	



Appendix 9.1

Recreation and Amenity Impact Assessment

Technical Note for HSPG (May 2018)

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report



Heathrow Expansion
Recreation and Amenity Impact Assessment
Technical Note for HSPG (May 2018)

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Recreation and Amenity Impact Assessment

Technical Note for HSPG (March 2018)

“This document is draft work in progress and has been prepared for internal review purposes only. It contains information which is strictly private and confidential and commercially sensitive to Heathrow Airport Limited. This draft document is being provided to the recipient on a strictly confidential basis and the recipient shall not disclose, communicate or reproduce any part of this document unless expressly permitted by Heathrow Airport Limited to do so. Nothing in this document represents an intention or decision by Heathrow Airport Limited to proceed or not with a particular option for any component of the Heathrow Expansion Project.”

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Appendix 1: Proforma Attribute Table for walkover surveys

Appendix 2: Resources and Receptors Identified within the Recreational Spaces and Routes Initial Study Area (including Figures)

1. Introduction

- 1.1.1. The purpose of this Technical Note is to provide members of the HSPG with an update on progress of the Recreation and Amenity assessment from the previous meeting on 21 December 2017 and identify the key topics for discussion on 15 March 2018. The assessment will form part of the Preliminary Environmental Impact Report (PEIR) to be consulted on during pre-application formal consultation (DCO Consultation 2), and the Environmental Statement (ES) that will be submitted as part of the DCO (Development Consent Order).
- 1.1.2. We are seeking to discuss and agree the following:
- Applicant response to comments from the HSPG following previous meeting
 - Assessment resources
 - Initial study area
 - Assessment methodology (including approach to assessing significance).
- 1.1.3. The Recreation and Amenity assessment will form part of the Community chapter. The Community assessment is intended to identify effects on people, homes and community facilities/public services and public open space and routes including recreation as a result of the construction and operation of the Project.

2. Summary of comments from HSPG meeting on 21 December 2017

- 2.1.1. The table below sets out the comments from the HSPG on the sections set out in the previous Technical Note issued on 8 December 2017. The Applicant response has been provided against each comment. Comments on the Technical Note were received from Slough Borough Council, Spelthorne Borough Council, Buckinghamshire County Council and Colne Valley Regional Park (CVRP). Relevant data on open spaces and routes (in various formats) were received from all HSPG members present at the meeting including the London Borough of Hounslow following a data request by the Applicant.

Table 1.1: Summary of key responses from HSPG on December 2017 Technical Note

Technical Note section	HSPG comment	Response
Introduction		
Buckinghamshire County Council	No comments	
Colne Valley Regional Park	CVRP queried the crossover between 'Formal' and 'Informal' recreation spaces. "For example: Waterbodies used for recreational purposes (inc. for angling and water sports) could be considered formal recreation rather than informal. [...] It is not clear from the Technical Note what difference classification as 'Formal' or 'Informal' makes to each recreation facility either relating to the gathering of information, assessment of impacts or mitigation. Further information is required."	The classification of formal and informal has been redefined and is explained in Section 3.
Slough Borough Council	<p>Would like to see greater clarity in the types of facilities included, in particular the crossover between public spaces and privately owned facilities – such as private land of public value which may provide visual amenity (such as reservoirs), or which the public only has occasional or fee paying access to (such as private estate gardens).</p> <p>Note lack of clarity or consistency with methodology applied to outdoor spaces versus indoor spaces. Private gyms and sports facilities provide recreational benefit, and operate on a similar basis to the public facilities which require paying a fee for use.</p> <p>Mention of the LVIA – is this part of or separate to the RAIA? In either case, the methodology for the selection of viewpoints must be agreed.</p>	<p>The assessment will include all public open spaces within the study area including private spaces which have restricted access such as paying a fee. If a space is not accessible to the general public, it will be excluded from the assessment.</p> <p>A consistent methodology will be applied to outdoor and indoor sports facilities.</p> <p>The Landscape and Visual assessment is a separate assessment. Viewpoints will be</p>

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Technical Note section	HSPG comment	Response
		agreed with stakeholders by this topic.
Spelthorne Borough Council	No comments	
Defining resource typologies		
Buckinghamshire County Council	Disagree on the separation of commuter and recreational routes. Also include 'restricted byways'	Commuter cycling will be dealt with in the transport assessment, however, the transport and recreation teams will work together in providing appropriate mitigation for cycle routes to the overall mitigation strategy. Restricted byways are now included
Colne Valley Regional Park	No comments	
Slough Borough Council	<p>Would like to see more references to the multi-functionality of land, as important to principle of Green Infrastructure.</p> <p>Would like to see the 'major lines of severance' mapped to improve the assessment of accessibility.</p> <p>Would like to see noted the quality and setting of the PRoW/resource as reprovision or mitigation should be of similar character.</p>	<p>Creation of multifunctional spaces is a key principle of Green Infrastructure.</p> <p>'Major lines of severance' will be mapped as part of the assessment.</p> <p>The Applicant will provide relevant details in terms of quality for PRoW/resource reprovision as part of</p>

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Technical Note section	HSPG comment	Response
		the overall mitigation strategy.
Spelthorne Borough Council	No comments	
Defining potential receptors		
Buckinghamshire County Council	No comments	
Colne Valley Regional Park	Suggest “bird watchers/nature study” as a category of receptor.	Bird watchers have been added to the receptor list
Slough Borough Council	As above, include bird watchers/nature study.	As above, bird watchers have been added to the receptor list
Spelthorne Borough Council	Have provided their leisure directory, a comprehensive list of every recreational group in the area. Spelthorne Locally Promoted Walks also to be included.	The Applicant is currently reviewing the leisure directory and will include relevant resources within the study area. Locally Promoted Walks within the study area are now included.
Planning policy, standards and guidance		
Buckinghamshire County Council	No comments	
Colne Valley Regional Park	The forthcoming Colne Valley Spatial Vision should be considered (work commencing Oct 2018 for 9 month period), brief can be made available	The Applicant will await the brief from the CVRP.
Slough Borough Council	The Council can provide GIS resources and management plans for its local green flag parks	The Applicant is awaiting this

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Technical Note section	HSPG comment	Response
		information from the Council
Spelthorne Borough Council	The Council's Local Development Plan is in development	The Applicant will monitor the development plan, and will request further information from the Council as required.
Study area		
Buckinghamshire County Council	Suggest study area include Langely Park and Black Park, as these may receive displaced recreation from nearer areas.	The Applicant will include these areas when there is adequate information on displaced sites.
Colne Valley Regional Park	Consider study area should be increased depending on associated development, such as flood storage areas etc.	The study area will be reviewed once the Application Site boundary is confirmed. This will take associated development and flood storage areas into account.
Slough Borough Council	Suggest study area should be 'flexible', i.e. to include areas under flight paths.	The assessment needs to be proportionate and focus on the likely significant effects. An appropriate study area will be agreed based on this principle.
Spelthorne Borough Council	No comments	

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Technical Note section	HSPG comment	Response
Establishing the baseline		
Buckinghamshire County Council	Request we ask users if they have driven to site for recreation.	Noted and will be included in the user survey questionnaire which is currently being developed by the Applicant.
Colne Valley Regional Park	No comments	
Slough Borough Council	Note that low levels of usage must not be equated with low value – as attractiveness of some locations depends on low footfall, i.e. character of remoteness and tranquillity.	The Applicant takes note of this comment and will not equate low levels of usage to low value.
Spelthorne Borough Council	No comments	
Scope of assessment		
Buckinghamshire County Council	No comments	
Colne Valley Regional Park	Suggest Cumulative effects should include “M4 smart motorway, WRLtH, River Thames Scheme etc.”	The approach to the cumulative effects assessment is currently being developed and will be shared with HSPG members for comment. The approach will also be set out in the EIA Scoping Report.
Slough Borough Council	No comments	

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Technical Note section	HSPG comment	Response
Spelthorne Borough Council	No comments	
Limitations		
All	No comments	
Future stakeholder engagement		
All	No comments	

3. Assessment resources

- 3.1.1. Taking into account the comments from the HSPG regarding the distinction of formal and informal recreation and amenity resources, the assessment has redefined the resources as follows:
- Formal recreation and amenity resources have been redefined as sports and leisure facilities, to include outdoor and indoor sport provision, playgrounds, allotments and city farms
 - Recreational spaces and routes to include informal recreational public open spaces and all recreational routes as previously discussed and agreed with HSPG.
- 3.1.2. The typology of recreational spaces and routes and receptors were agreed with the HSPG on 21 December 2017.
- 3.1.3. The list of resources within the broadly agreed initial study area has been updated following data requests and comments from the HSPG. A number of figures (plans) including the full list and mapping of resources by local authority has been provided in Appendix 2.

4. Study area

- 4.1.1. The initial study area presented and discussed on 21 December 2017 was broadly acceptable for the majority of the HSPG. The initial study area at this stage remains the same as previously identified, however, we will continue to work with other disciplines and the design team to understand the extent of development and update the study area as required. It is important to note that the approach to defining the study area has been kept proportionate and focuses on the geographic extent of the area across which potentially significant adverse effects on recreation and amenity might reasonably be predicted to arise as a result of the Project.
- 4.1.2. As set out at the meeting on 21 December 2017, the initial study area for the sports and leisure facilities has been defined using community areas and administrative boundaries at the finest possible spatial scale (output areas) for which National Statistics (e.g. Census data) are produced, whilst the study area

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for informal recreation spaces and routes has been defined on a number of factors, as follows:

- Location of existing facilities and their users in relation to the design development currently being undertaken for the Project
 - Type of access available to people in the surrounding area
 - Boundary extents of the Colne Valley Regional Park
 - Extent of the recreational spaces and routes
 - Identifiable catchment areas or standards of provision identified in policy or guidance (e.g. Area 10 Framework of the ALGG, Hillingdon Open Space Strategy and Spelthorne Open Space Assessment)
 - Opportunities for new linkages.
- 4.1.3. The study area, at present, does not take into account usage information and the regularity of use to the identified recreational spaces and routes. It is envisaged that the study area may change dependent on the results of the user surveys.
- 4.1.4. The study area for the recreational spaces and routes is slightly wider than the sports and leisure facilities (community areas) as the informal recreation and amenity assessment will consider direct effects that may arise as a result of the physical expansion of Heathrow Airport, as well as indirect effects that may arise due to consequential changes to the connectivity or amenity of areas not directly affected. The study area boundary has therefore been drawn to encompass areas that may be directly affected and adjacent areas to which they have physical or functional connection. Where appropriate, the study area utilises physical break-lines such as the River Thames or the railway corridors. Elsewhere the boundary reflects existing networks of connectivity or potential opportunities for new linkages.

5. Walkover surveys

- 5.1.1. Walkover surveys will be conducted of the recreational spaces and routes within the study area. The walkover surveys are planned to be undertaken during the first half of 2018.
- 5.1.2. Feedback received from the HSPG on the attribute table at the meeting on 21 December 2017 has been noted and the table has been updated to reflect any comments. The updated table has been provided in Appendix 1 and will also be submitted as part of the EIA Scoping Report.

6. User surveys

- 6.1.1. Following feedback from the HSPG, the user survey locations have been revised as follows:
- Harmondsworth Moor
 - Sipson Recreation Ground
 - Harmondsworth Recreation Ground

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- Stanwell Moor Recreation Ground
- Colne Valley Way, north of Colnbrook
- Junction of Colne Valley Way and Hithermoor Park
- Cranford Park and London Loop
- Pippins Park, Poyle
- Bedfont Lakes Country Park
- Hounslow Heath
- Colnbrook Recreation Ground
- Stanwell Recreation Ground

6.1.2. The user surveys are planned to be undertaken during four visits in 2018 on the following periods:

- Spring bank holiday weekend (April / May)
- Early summer (term time) (June)
- Late summer (August Bank Holiday weekend)
- Autumn / winter (term time) (late November)

6.1.3. As part of the user surveys, interviews will be conducted with users at the time of the survey and ask them a series of simple questions. The questions will be discussed at the meeting on 15 March 2018.

7. Scope of assessment

7.1. Effects to be assessed

7.1.1. As set out at the meeting on 21 December 2017, the assessment will address the likely effects on recreation and amenity during the construction and operation of the Project, in respect of:

- **Temporary or permanent displacement / loss of recreational space:** the relocation of resources from one location to another within the agreed study area. For example, recreational spaces moved permanently or temporarily
- **Change in access to a recreational space:** a change in access to a recreational space permanently or temporarily
- **Severance of a recreational route:** an end or division of a recreational route as a result of demolition, construction or operation
- **Diversion or realignment of a recreational route:** a realignment or diversion of a recreational route permanently or temporarily
- **Change in amenity:** the benefits of enjoyment and wellbeing that receptors gain from a resource in line with its intended function is referred to as an amenity value
- **Effects on facilities' catchments and their user groups (individuals, clubs and organisations)** as a result of displacement, severance and amenity changes, in particular groups with protected characteristics.

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7.2. Methodology

- 7.2.1. There is no standard methodology for assessing the significance of effects of a development on recreation and amenity, so a bespoke approach has been adopted, drawing on professional experience and methodologies established in relation to other infrastructure projects.
- 7.2.2. Effects are broadly derived from the interaction between the magnitude of impacts and the sensitivity of the resources and receptors.

Methods for assessing effect of displacement/replacement of sports and leisure facilities

- 7.2.3. A desk-based study will be used to develop metadata on facilities. This will include information on user groups (including formal organisations or institutions such as schools), opening hours and current constraints on usability.
- 7.2.4. Engagement with users and operators will be undertaken to gain understanding of sensitivities (currently ongoing through the Community Engagement Board (CEB) and Con 1).
- 7.2.5. A summary of the statutory position on replacement including policy and standards from Sport England where relevant will be developed.
- 7.2.6. Assessment will include the potential inequity of effects, based on:
- Current local standards and quantity of provision
 - Resource catchments
 - Local demographics and the demographics of user groups.

Methods for assessing temporary effects during construction, and permanent effects related to changes in access for sports and leisure facilities

- 7.2.7. Assessing temporary effects during construction and permanent effects related to changes in access will require information about the following when finalised:
- Surface Access Strategy
 - Masterplan options
 - Construction phasing
 - Construction workforce requirements
 - Population and demographic change related to the Compulsory Purchase Order (CPO) and Wider Purchase Order (WPO)
- 7.2.8. When scenarios for the above have been identified, the following will be undertaken:
- Engagement with users and operators to gain understanding of sensitivities (including through the CEB and Con 1)

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- Identification of changes in access from individual communities, in the context of national standards for access to facilities and local standards/deficits
- Assessment of this in the context of current and future baselines for both population and facilities.

7.2.9. Assessment will include the potential inequity of effects, based on:

- Current local standards and quantity of provision
- Resource catchments
- Local demographics and the demographics of user groups

Methods for assessing effects on recreational spaces and routes

7.2.10. Baseline information on recreational spaces and routes will be undertaken through desk studies and field visits including walkover and user surveys as outlined in Sections 5 and 6. A summary of relevant national, regional and local policy including relevant guidance documents will also be reviewed.

7.2.11. The effects to be addressed are described in paragraph 7.1.1 above. The assessment will include the potential inequity of effects, based on:

- Current local standards and quantity of provision
- Analysis of walkover and user surveys
- Resource catchments
- Local demographics and the demographics of user groups.

7.2.12. The approach to the assessment of effects is described in the sections below.

Approach to assessment of significance for Recreation and Amenity

7.2.13. The likely effects of the Project on the recreation and amenity resource (and whether these are significant) will be determined through consideration of the 'sensitivity' of each potentially affected receptor and the 'magnitude of change' to that receptor's recreational amenity that may arise as a result of the construction and operation of the Project. The type of effect is also considered and may be direct or indirect; temporary or permanent; and positive, negative or neutral.

7.2.14. The sensitivity of receptors is categorised as either 'High', 'Medium' or 'Low'.

Table 1.2 Sensitivity to change for Recreation and Amenity

Sensitivity	Criteria
High	Users identified as having a high priority (e.g. users of regional parks and nationally or regionally promoted long distance footpaths, trails and/ or cycle routes). Users that are highly dependent on the recreation and amenity resources which the affected resource or facility has to offer because there are no alternative resources available.
Medium	Users identified as having a medium priority (e.g. users of metropolitan and district parks and locally promoted long distance footpaths, trails and/ or cycle routes). Users that are largely dependent on the recreation and amenity resources which the affected resource or facility has to offer because there are few alternative resources available.
Low	Users identified as having a low priority (e.g. users of local parks and small open spaces and users of sections of the local Public Rights of Way network that do not form part of a promoted route). Users that are not particularly dependent on the recreation and amenity resources which the affected resource or facility has to offer because there are numerous alternative resources available.

7.2.15. The magnitude of change to Recreation and Amenity will be determined based upon an assessment of the predicted deviation from baseline conditions which may arise as a result of the Project. The magnitude of change that may be experienced by receptors is categorised as either 'High', 'Medium', 'Low' or 'Negligible'.

Table 1.3 Magnitude of change for Recreation and Amenity

Magnitude of Change	Criteria
High	Proposals would cause a substantial change to existing patterns and levels of use of recreation and amenity resources
Medium	Proposals would cause a moderate change to existing patterns and levels of use of recreation and amenity resources
Low	Proposals would cause a slight change to existing patterns and levels of use of recreation and amenity resources
Negligible	No discernible changes in expected levels or patterns of use are expected

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7.2.16. Whether a potential effect is considered to be significant or not is determined through reference to the sensitivity of affected receptors, the magnitude of change experienced by those receptors, the nature of the effect and the nature of the affected resource. A significance matrix (see Table 1.4) will be used to guide the determination by combining the sensitivity and magnitude of change for each receptor. The matrix, however, is an aid to assessment and the process of significance evaluation involves the application of professional judgement. As a general rule of thumb, effects assessed as Major would be significant. Moderate effects would be potentially significant. Minor and Negligible effects would be not significant.

Table 1.4: Significance matrix for Recreation and Amenity

Receptor value/sensitivity			
	High	Medium	Low
High	Major	Major	Moderate
Medium	Major	Moderate	Minor
Low	Moderate	Minor	Negligible
Negligible	Minor	Negligible	Negligible

8. Approach to mitigation

- 8.1.1. The assessment will identify mitigation measures that will help to avoid, reduce or, where appropriate, offset significant negative effects.
- 8.1.2. Where practicable, design modifications will be considered to avoid or reduce significant negative effects, i.e. embedded mitigation. The development (and evaluation) of design (both physical land requirements and operational procedures) has considered the determinants that influence local residents, community facilities, public services and informal recreational routes and spaces, such as the options for land required for expansion, surface access design to maintain community connectivity.
- 8.1.3. The approach to mitigation of significant effects will draw upon engagement with communities, stakeholders and facilities directly affected where possible, and where effects are uncertain or may arise over time, an 'adaptive' approach to impact assessment and mitigation will be adopted.
- 8.1.4. Where facilities are replaced, it will continue to be the statutory provider's responsibility for maintenance and upkeep. However, operational arrangements can be investigated via HAL's Community Impact Fund (as required by the revised draft Airports National Policy Statement) and through the role of the CEB.

Internal

- 8.1.5. The Open Space Assessment study will provide a robust evidence base to the Recreation and Amenity assessment as it will establish the level of existing provision (sufficiency or deficiency) and will be used to aid the identification and evaluation of potential mitigation measures. Mitigation options and requirements in relation to Recreation and Amenity will be integrated with those of ecology, landscape, and transport as part of the overall Green Infrastructure strategy.

9. Future stakeholder engagement

- 9.1.1. Consultation will continue with the HSPG on a bi-monthly basis to discuss progress and agree principles of the assessment.
- 9.1.2. Consultation will be statutorily required with providers of any affected facilities, including local authorities, in the case of allotments and formal sports provision.
- 9.1.3. Engagement will also be undertaken with organisations such as Sport England in terms of the overall approach to impact assessment and mitigation, and with owners, operators and user groups associated with each facility, along with any charity organisations, community groups and local residents.

Appendix 1

Recreation and Amenity Impact Assessment attribute table for walkover surveys

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Proforma Attribute Table

Category	Attribute	Data	Guidance	Included in Desk Study Scope?
Housekeeping / QA	Resource ID		RAIA ID. Either taken from initial master list (e.g. A0001, R0001 etc.) or enter 'NEW'. If resource is not on master list, if an area on the master list needs to be subdivided, enter its RAIA ID followed by 'SUBDIVISION'. Use this ID to name both the excel file and the worksheet.	Yes
	Resource Name		Enter the name of the resource	Yes
	Level 1 Typology		Pick from drop-down list	Yes
	Level 2 Typology		Enter Level 2 Typology if appropriate (e.g. 'canal' or 'row footpath'). Try to be consistent so that collated data can be filtered	Yes
	Quantity		Amount of provision e.g. the area of recreational open space or length of route. State as hectares (ha) or metres (m)	Yes
	Ownership		May be just 'Public' or 'Private' at this stage	Yes
	Location		e.g. North of Accommodation Lane, west of Harmondsworth	Yes
	Desk Study Undertaken by		Name of researcher (use RESID not full name)	Yes
	Field Survey Undertaken by		Date of research	Yes
	References		Name of surveyor (use RESID not full name) Date of survey List of information sources referred to e.g. web address and access date, publication references etc. Identifying an open spaces' primary purpose in order to assess whether it is 'fit for purpose'. Ability to perform various environmental and social functions.	Yes
Functionality	Primary Purpose		Identifying an open spaces' primary purpose in order to assess whether it is 'fit for purpose'. Ability to perform various environmental and social functions.	Yes
	Multi-functionality		Ability to perform various environmental and social functions.	Yes
	Quality		Is the open space 'fit for purpose'? Depending on user needs and requirements and the design and management of the site.	No. Requires field survey and user survey
Accessibility / Connectivity	Condition		State of repair, appropriateness of management regime	Initial opinion from on-line photography. Requires field survey to finalise
	Safety		Safety of infrastructure/facilities and 'furniture' particularly that which is ageing.	No. Requires field survey
	Public Accessibility		How accessible is the open space? This should include sustainable access options such as footpaths and cycle paths but also accessibility to children's play space.	Yes
	Proximity to recreational routes		Consider proximity to any paths crossing an open space. List relevant ARW IDs	Yes
Physical Attributes	Proximity to other R&A resources		Consider adjacencies, connectivity and wider context. List relevant ARW IDs	Yes
	Barrier /Traffic		Identify if any barriers to entry to an open space i.e. Control of dogs, dog fouling, anti-social behaviour, a perceived lack of information about parks and open spaces, toilet provision, lack of facilities for certain ages, security, no disabled provision/traffic levels can be an impediment to recreational value of open spaces.	No. Requires field survey and user survey
	Access to walking routes		Consider access for all i.e. disability needs etc/ signage/ entrances/ terrain.	No. Requires field survey
	Grassed Areas		Grassed areas can add social and environmental value.	Yes
	Water Features		Water features can add social and environmental value.	Yes
	Trees		Broad description of available resource.	Yes
	Amenities		Lighting, picnic table, toilets, drink fountains, informal sports equipment/outdoor gyms etc.	Only if published information is available
	Walking Infrastructure		Pathways / footbridges etc.	Initial opinion from on-line photography. Requires field survey to finalise
	Dog-related facilities		Waste bins etc.	No. Requires field survey
	Wildlife and Ecology		Wildlife and ecological attributes can deliver social and environmental benefits.	Only if published information is available
Biodiversity	Aesthetics		Attractiveness including the contribution made by adjacent areas/features.	Initial opinion from on-line photography. Requires field survey to finalise
	Other perceptual attributes		Noise, odour, movement etc.	No. Requires field survey and user survey
Miscellaneous	Perception of crime		How a space is designed can impact on the perception of crime.	No. Requires field survey and user survey
	Additional comments		Enter any other pertinent information or observations	Optional

Appendix 2

Resources and receptors identified within the recreational spaces and routes study area

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1. RECREATIONAL SPACES

- 1.1.1 The desk study undertaken to inform the baseline for the assessment of open spaces and routes used for informal recreation has identified 216 recreational open spaces within the recreational spaces and routes study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.
- 1.1.2 An overview of all the recreational open spaces within the recreational spaces and routes study area is provided on Figure 2.1. The recreational open spaces within each local authority falling within the recreational spaces and routes study area are set out in Tables A1 to A6 and shown on Figures 2.2 to 2.7. Each identified resource has been given a unique ID to aid identification.

1.2 Recreational spaces within the London Borough of Hillingdon

- 1.2.1 The recreational spaces identified within the part of the London Borough of Hillingdon that falls within the recreational spaces and routes study area are set out in Table A1 and shown on Figure 2.2.

Table A1 Recreational spaces within the London Borough of Hillingdon

ID	Typology	Name
A0013	Semi-natural Green Space	Open Space between Hatch Lane and Pinglestone Close
A0015	Amenity Green Space	Sipson Meadow
A0019	Amenity Green Space	The Closes
A0020	Amenity Green Space	Harlington Pond Community Green
A0021	Amenity Green Space	The Dell
A0056	Amenity Green Space	Pinkwell Park
A0057	Amenity Green Space	Drayton Hall Grounds
A0058	Amenity Green Space	Harmondsworth Recreation Ground
A0060	Amenity Green Space	Longford Pocket Park
A0061	Amenity Green Space	Boltons Lane Open Space
A0066	Cemeteries and Churchyards	St. Mary's Churchyard
A0067	Cemeteries and Churchyards	St. Peter and St. Paul Churchyard

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ID	Typology	Name
A0070	Cemeteries and Churchyards	Cherry Lane Cemetery
A0071	Cemeteries and Churchyards	West Drayton Cemetery
A0073	Parks and Gardens	Cranford Park
A0074	Parks and Gardens	Bedfont Lakes Country Park
A0076	Parks and Gardens	Avenue Park
A0078	Parks and Gardens	Harmondsworth Moor
A0080	Parks and Gardens	Berkeley Meadows
A0112	Semi-natural Green Space	Reservoir (no access)
A0118	Semi-natural Green Space	Open Space between M4 and A408
A0120	Semi-natural Green Space	Crane Meadows
A0121	Semi-natural Green Space	Crane Meadows
A0123	Semi-natural Green Space	Unused/Wasteland West of M4
A0124	Semi-natural Green Space	Frays Island and Mabey's Meadow Nature Reserve
A0125	Semi-natural Green Space	Caines Lane Biodiversity Site
A0126	Semi-natural Green Space	Orphaned land North-west of M4 J4
A0127	Semi-natural Green Space	Field west of A408 Stockley Road
A0128	Semi-natural Green Space	West of West Drayton Cemetery
A0129	Amenity Green Space	Recreation Ground South of Lavender Rise
A0130	Amenity Green Space	Beech Close Open Space
A0131	Semi-natural Green Space	Maryfields Lake
A0132	Semi-natural Green Space	Harmondsworth Moor North of M4
A0134	Semi-natural Green Space	Agricultural Land
A0136	Semi-natural Green Space	Longford Moor
A0137	Semi-natural Green Space	North (and West?) of Harmondsworth Tithe Barn
A0141	Play Area	Play Area off Heathrow Close (XREF A0064)
A0142	Play Area	Harmondsworth Recreation Ground (XREF A0058)
A0151	Play Area	Cranford Park (XREF A0080)

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ID	Typology	Name
A0152	Play Area	Sipson Recreation Ground (XREF A0059)
A0153	Play Area	Browngraves Green (XREF A0051)
A0154	Play Area	Sipson Meadow Recreation Ground (XREF A0015)
A0155	Play Area	Brickfield Lane Recreation Ground (XREF A0053)
A0156	Play Area	Carfax Road Recreation Ground
A0158	Play Area	Pinkwell Park (XREF A0018)
A0159	Play Area	Recreation Ground and Public Open Space south and east of The Brambles
A0161	Play Area	Recreation Ground at northern end of The Closes (XREF A 0019)
A0162	Play Area	Recreation Ground South of Lavender Rise (XREF A0129)
A0163	Play Area	Recreation Ground east of Thornton Avenue
A0198	Waterbody	Grand Union Canal
A0201	Waterbody	Grand Union Canal
A0231	Waterbody	Packet Boat Marina (GUC)
A0232	Waterbody	Grand Union Canal (Slough Arm)
A0236	Waterbody	Lakes in Colne CP S of GUC (W)
A0237	Waterbody	Lakes/Ponds in Colne CP S of GUC (E)
A0324	Parks and Gardens	Huntsmoor Park
A0325	Green Corridor	Green Space east of T4 and A30
A0326	Green Corridor	Green space along Longford River
A0327	Amenity Green Space	POS within Junction 14 of M25
A0328	Semi-natural Green Space	Green space between M25 and minor watercourse, within redline
A0329	Green Corridor	Green Space between M25 and Harmondsworth Moor
A0330	Amenity Green Space	Green Space within BA HQ

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ID	Typology	Name
A0331	Amenity Green Space	The Green, West Drayton
A0332	Semi-Natural Green Space	The Southlands
A0333	Green Corridor	Green Space north of M4 at Harmondsworth Lane
A0334	Semi-Natural Green Space	Gravel Pit
A0335	Semi-Natural Green Space	Woodland west of Heathrow Primary School
A0336	Amenity Green Space	Kingston Lane Recreation Ground
A0337	Green Corridor	Green Spaces within Housing Development
A0338	Green Corridor	Treebelt to south of rail line S of Stockley Park
A0339	Green Corridor	Stockley Rd Lake
A0340	Amenity Green Space	Dawley Rd/A437 Green Space
A0342	Semi-Natural Green Space	Green Space between GUC and A312, Hayes
A0345	Semi-Natural Green Space	Little Britain
A0363	Amenity Green Space	Bedfont Close Green Space
A0385	Play Area	Cowley - Play area
A0395	Play Area	Play Area east of Milton Way

1.3 Recreational spaces within the London Borough of Hounslow

1.3.1 The recreational spaces identified within the part of the London Borough of Hounslow that falls within the recreational spaces and routes study area are set out in Table A2 and shown on Figure 2.3.

Table A2 Recreational spaces within the London Borough of Hounslow

ID	Typology	Name
A0001	Semi-natural Green Space	Wayne Avenue Open Space Adjacent to Allotments
A0002	Semi-natural Green Space	Open Space E of Clements Court
A0022	Amenity Green Space	Beaversfield Park
A0023	Amenity Green Space	Open Space on Calvary Crescent

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ID	Typology	Name
A0025	Amenity Green Space	Bedfont Green
A0031	Amenity Green Space	Myrtle Avenue Playground
A0048	Amenity Green Space	Chester Road Open Space
A0054	Amenity Green Space	Cage Park
A0065	Cemeteries and Churchyards	N churchyard of St. Mary the Virgin, Bedfont. S Open Space S of Hatton Road
A0068	Cemeteries and Churchyards	Bedfont Cemetery
A0069	Cemeteries and Churchyards	NE Hatton Cemetery, Feltham. SW no access
A0075	Parks and Gardens	Hounslow Heath
A0076	Parks and Gardens	Avenue Park
A0080	Parks and Gardens	Berkeley Meadows
A0122	Semi-natural Green Space	Bedfont Lake and The Pitts
A0125	Semi-natural Green Space	Caines Lane Biodiversity Site
A0146	Play Area	Feltham Park (XREF A0026)
A0147	Play Area	Cage Park (XREF A0054)
A0148	Play Area	Bedfont Recreation Ground (XREF A0024)
A0149	Play Area	Chester Road Open Space (XREF A0048)
A0150	Play Area	Waye Avenue Recreation Ground (XREF A0050)
A0207	Waterbody	Longford River (SE)
A0352	Parks and Gardens	Midsummer Avenue Park
A0354	Semi-Natural Green Space	Crane Corridor
A0355	Semi-Natural Green Space	Hatton Meadow
A0356	Amenity Green Space	Open Space in front of 101-107 Great South West Rd
A0357	Parks and Gardens	Grantley Road Park
A0358	Amenity Green Space	Aston Green Rectory Estate
A0360	Amenity Green Space	Firs Drive Open Space
A0361	Semi-Natural Green Space	Hartlands Wood and Lower Park Farm
A0363	Amenity Green Space	Bedfont Close Green Space

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ID	Typology	Name
A0364	Amenity Green Space	Fairholme Open Space
A0365	Amenity Green Space	Grovestile Way
A0366	Amenity Green Space	Fruen Road Open Space
A0367	Amenity Green Space	Land East of Bedfont Pits
A0375	Play Area	Beaversfield Park - Play area
A0376	Play Area	Calvary Crescent - Play area
A0378	Amenity Green Space	Feltham Park
A0388	Play Area	Midsummer Avenue - Play area
A0389	Play Area	Grantley Rd Park - Play area
A0432	Amenity Green Space	Cranebank A30 verge
A0433	Amenity Green Space	Amenity space alongside Green Lane
A0434	Amenity Green Space	Amenity space Chester Way x Fusiliers Way
A0435	Amenity Green Space	Amenity space Beavers Lane
A0436	Amenity Green Space	Amenity space Chinchilla Lane
A0437	Amenity Green Space	Amenity space Burns Ave
A0438	Green Corridor	Green Lane accessing Southville Juniors School
A0439	Amenity Green Space	Amenity space Cobbs Rd Hounslow
A0441	Amenity Green Space	Green space along A315, East Bedfont west
A0442	Amenity Green Space	Green space along A315, East Bedfont east
A0443	Amenity Green Space	Green space along A315, across from Bedfont Green
A0444	Amenity Green Space	Green space along A315, across from Fairholme
A0446	Amenity Green Space	Southville Green
A0447	Green Corridor	Link to Hounslow Heath
A0448	Amenity Green Space	POS within Sparrow Farm residential development
A0449	Amenity Green Space	POS at Hatton Green

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1.4 Recreational spaces within the Borough of Spelthorne

1.4.1 The recreational spaces identified within the part of the Borough of Spelthorne that falls within the recreational spaces and routes study area are set out in Table A3 and shown on Figure 2.4.

Table A3 Recreational spaces within the Borough of Spelthorne.

ID	Typology	Name
A0035	Amenity Green Space	Stanwell Moor Recreation Ground
A0036	Amenity Green Space	Hithermoor Pocket Park
A0037	Amenity Green Space	Recreation Ground (play, tennis, bowls) off Oaks Road
A0038	Amenity Green Space	Village Park
A0039	Amenity Green Space	Stanwell Recreation Ground
A0040	Amenity Green Space	Long Lane Recreation Ground
A0041	Play Area	The Nightingales (Nuthatch Close)
A0042	Amenity Green Space	Diamedes Avenue/ Rose Garden
A0049	Amenity Green Space	Selwood Gardens
A0072	Cemetries and Churchyards	Churchyard of St. Mary the Virgin, Stanwell
A0109	Semi-natural Green Space	Open Space North of Stanwell
A0110	Semi-natural Green Space	Clay Lane
A0116	Semi-natural Green Space	Open Space to rear of commercial units on Clay Lane
A0119	Semi-natural Green Space	Staines Moor
A0143	Play Area	Stanwell Moor Recreation Ground (XREF A0035 and A0085)
A0144	Play Area	Recreation Ground (play, tennis, bowls) off Oaks Road (XREF A0037)
A0145	Play Area	Long Lane Recreation Ground (XREF A0040)
A0215	Waterbody	Wraysbury River (S)
A0218	Waterbody	River Colne (southern section)
A0269	Waterbody	River Ash

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ID	Typology	Name
A0295	Semi-natural Green Space	Staines Moor
A0296	Semi-natural Green Space	Shortwood Common and Birch Green
A0300	Parks and Gardens	Lammas Recreation Ground
A0301	Cemeteries and Churchyards	St Mary's, Staines
A0302	Parks and Gardens	Staines Riverside
A0303	Semi-natural Green Space	Moormede Open Space
A0304	Parks and Gardens	Victoria Jubilee Gardens
A0305	Amenity Green Space	Hengrove Recreation Ground
A0306	Cemeteries and Churchyards	Staines Cemetery
A0308	Amenity Green Space	Echelforde Recreation Ground
A0309	Amenity Green Space	Scott Freeman Gardens
A0310	Cemeteries and Churchyards	Ashford Burial Ground
A0311	Cemeteries and Churchyards	Stanwell Cemetery
A0312	Amenity Green Space	Holywell Way
A0313	Amenity Green Space	Linear POS along Hadrian Way
A0315	Amenity Green Space	POS along Town Lane
A0380	Play Area	Moormede - Play area
A0381	Play Area	Hengrove Recreation Ground - Play area
A0383	Play Area	Hadrian Way - Play area
A0390	Play Area	Village Park - Play area
A0394	Play Area	Holywell Way- Play area
A0397	Play Area	Lammas Recreation Ground - Play area
A0402	Amenity Green Space	Lauser Road Park - Town Lane Rec Ground (Local Park)
A0403	Play Area	Lauser Road Pocket Park west
A0404	Play Area	Lauser Road Pocket Park east
A0405	Amenity Green Space	Jordans Close/Town Lane amenity space
A0410	Amenity Green Space	Victory Close Pocket Park
A0413	Amenity Green Space	Land to the West of Edward Way, Ashford
A0419	Semi-natural Greenspace	Sykes Meadow

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ID	Typology	Name
A0421	Semi-natural Greenspace	Birches Green
A0422	Semi-natural Greenspace	Leacroft Staines
A0423	Semi-natural Greenspace	Priory Green
A0424	Semi-natural Greenspace	Shortwood Common South
A0428	Parks and Gardens	Staines Memorial Gardens
A0431	Amenity Green Space	The Cog, Wraysbury Rd
A0440	Amenity Green Space	Coal Tax Gardens

1.5 Recreational spaces within the Royal Borough of Windsor and Maidenhead.

1.5.1 The recreational spaces identified within the part of the Royal Borough of Windsor and Maidenhead that falls within the recreational spaces and routes study area are set out in Table A4 and shown on Figure 2.5.

Table A4 Recreational spaces within the Royal Borough of Windsor and Maidenhead.

ID	Typology	Name
A0046	Amenity Green Space	Crown Meadow
A0117	Semi-natural Green Space	Arthur Jacob Nature Reserve
A0228	Waterbody	Colne Brook (between Colnbrook and Wraysbury)
A0229	Waterbody	Colne Brook (between Wraysbury and Thames)
A0264	Waterbody	Horton Lakes (N of railway)
A0265	Waterbody	River Thames
A0266	Waterbody	Wraysbury Lake
A0267	Waterbody	Road Lake
A0268	Waterbody	Lakes between Colne Brook and Wraysbury Reservoir
A0299	Semi-natural Green Space	OAL at Ankerwycke Farm
A0322	Semi-natural Green Space	POS north of Douglas Lane, Wraysbury
A0396	Semi-natural Green Space	Poyle Poplars

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1.6 Recreational spaces within the Borough of Slough.

- 1.6.1 The recreational spaces identified within the part of the Borough of Slough that falls within the recreational spaces and routes study area are set out in Table A5 and shown on Figure 2.6.

Table A5 Recreational spaces within the Borough of Slough.

ID	Typology	Name
A0044	Amenity Green Space	Humber Way Open Space
A0045	Amenity Green Space	Stornaway Road Green Space
A0046	Amenity Green Space	Crown Meadow
A0062	Amenity Green Space	Pippins Park
A0063	Amenity Green Space	Albany Park
A0138	Play Area	Colnbrook Recreation Ground (XREF A0047)
A0139	Play Area	Colnbrook Recreation Ground (XREF A0047)
A0140	Play Area	Pippins Park (XREF A0062)
A0227	Waterbody	Colne Brook (between M4 and Colnbrook)
A0228	Waterbody	Colne Brook (between Colnbrook and Wraysbury)
A0396	Semi-natural Green Space	Poyle Poplars
A0450	Semi-natural Green Space	Old Wood

1.7 Recreational spaces within the South Bucks District.

- 1.7.1 The recreational spaces identified within the part of the South Bucks District that falls within the recreational spaces and routes study area are set out in Table A6 and shown on Figure 2.7.

Table A6 Recreational spaces within the South Bucks District.

ID	Typology	Name
A0113	Semi-natural Green Space	Thorney Country Park
A0124	Semi-natural Green Space	Frays Island and Mabey's Meadow Nature Reserve
A0131	Semi-natural Green Space	Maryfields Lake

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ID	Typology	Name
A0226	Waterbody	Colne Brook (between GUC and M4)
A0232	Waterbody	Grand Union Canal (Slough Arm)
A0236	Waterbody	Lakes in Colne CP S of GUC (W)
A0318	Amenity Green Space	Iver Green (name TBC)
A0319	Semi-natural Green Space	Farlows Lake
A0321	Semi-natural Green Space	POS north of Iver Station
A0345	Semi-Natural Green Space	Little Britain
A0392	Play Area	Iver Recreation Ground - Play area

2. RECREATIONAL ROUTES

2.1.1 The desk study undertaken to inform the baseline for the assessment of open spaces and routes used for informal recreation has identified over 300 recreational routes, including cycle routes, long distance footpaths and local Public Rights of Way (PRoWs), within the recreational spaces and routes study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.

2.2 Nationally, Regionally and Locally Promoted Walking Routes

2.2.1 Within the recreational spaces and routes study area, one National Trail, seven Regional Trails and six Locally Promoted Walks were identified. These routes are set out in Table A7 below and shown in overview on Figure 2.8, and in detail on Figures 2.9 through 2.12.

2.2.2 In the case of the long distance footpaths, such as the Grand Union Canal, which crosses the study area from east to west, and has several branches within the study area, the route has been subdivided into sections, each with a unique ID number. The ID number refers to the section of path found on the ground.

2.2.3 In some instances, multiple named routes may follow the same section of path, hence the same ID number may apply to a section forming part of several routes. For example, R0042 refers to a section of towpath along the Grand Union Canal Slough Arm, which simultaneously hosts the Grand Union Canal Walk, Shakespeare’s Way and Beeches Way long distance footpaths.

Table A7 Nationally, Regionally and Locally Promoted Walking Routes

ID	Typology	Name
R0052, R0053	National Trail	The Thames Path
R0042, R0045, R0046, R0058, R0060, R0330	Regional Trail	Beeches Way
R0045, R0047, R0057, R0060, R0332	Regional Trail	Colne Valley Trail
R0054 to R0056	Regional Trail	Colne Valley Way
R0036 to R0043	Regional Trail	Grand Union Canal Walk
R0036, R0038 and R0048	Regional Trail	Hillingdon Trail
R0038 to R0040, R0044, R0045, R0047 to R0050, R0333	Regional Trail	London Loop

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ID	Typology	Name
R0037 to R0040, R0042, R0045, R0058, R0060	Regional Trail	Shakespeare's Way
R0026	Locally Promoted Walk	Lammas Lakes to Staines Moor
R0029	Locally Promoted Walk	Ankerwycke to Runnymede
R0030	Locally Promoted Walk	Donkey Wood
R0031	Locally Promoted Walk	Cranford Park & Avenue Park
R0032	Locally Promoted Walk	Bedfont Lakes
R0033	Locally Promoted Walk	Hounslow Heath

2.3 Public Right of Way Network

2.3.1 Within the recreational spaces and routes study area, numerous local footpaths, bridleways and byways were identified. These routes are organised by their host local authority, and are set out in Tables A8 to A13 below, and shown in overview on Figure 2.13, and in detail on Figures 2.14 through 2.19.

Public Rights of Way within London Borough of Hillingdon

2.3.2 The Public Rights of Way identified within the part of the London Borough of Hillingdon that falls within the recreational spaces and routes study area are set out in Table A8 and shown on Figure 2.14.

Table A8 Public Rights of Way within London Borough of Hillingdon

ID	Typology	Name
R0219	Local Byway	Hillingdon PRoW Y23
R0220	Local Bridleway	Hillingdon PRoW Y13
R0221	Local Byway	Hillingdon PRoW Y12
R0222	Local Footpath	Hillingdon PRoW Y11
R0223	Local Footpath	Hillingdon PRoW Y10
R0224	Local Byway	Hillingdon PRoW Y9
R0225	Local Footpath	Hillingdon PRoW Y21
R0226	Local Footpath	Hillingdon PRoW Y20
R0227	Local Footpath	Hillingdon PRoW Y15
R0228	Local Footpath	Hillingdon PRoW Y19

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ID	Typology	Name
R0229	Local Footpath	Hillingdon PRoW Y8
R0230	Local Footpath	Hillingdon PRoW Y5
R0231	Local Footpath	Hillingdon PRoW Y4
R0232	Local Footpath	Hillingdon PRoW Y6
R0237	Local Footpath	Hillingdon PRoW Y22
R0238	Local Footpath	Hillingdon PRoW H68
R0239	Local Footpath	Hillingdon PRoW H81
R0240	Local Footpath	Hillingdon PRoW H80
R0241	Local Footpath	Hillingdon PRoW H75
R0242	Local Footpath	Hillingdon PRoW H63
R0243	Local Footpath	Hillingdon PRoW unnamed
R0244	Local Footpath	Hillingdon PRoW H78
R0245	Local Footpath	Hillingdon PRoW H60
R0246	Local Footpath	Hillingdon PRoW H79
R0247	Local Footpath	Hillingdon PRoW H57
R0248	Local Footpath	Hillingdon PRoW unnamed
R0249	Local Byway	Hillingdon PRoW H70
R0278	Local Footpath	Hillingdon PRoW unnamed
R0279	Local Bridleway	Hillingdon PRoW unnamed
R0304	Local Footpath	Hillingdon PRoW Y28

Public Rights of Way within London Borough of Hounslow

2.3.3 The Public Rights of Way identified within the part of the London Borough of Hounslow that falls within the recreational spaces and routes study area are set out in Table A9 and shown on Figure 2.15.

Table A9 Public Rights of Way within London Borough of Hounslow

ID	Typology	Name
R0211	Local Footpath	Hounslow PRoW
R0212	Local Footpath	Hounslow PRoW
R0213	Local Footpath	Hounslow PRoW
R0217	Local Footpath	Hounslow PRoW
R0218	Local Byway	Hounslow PRoW

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Public Rights of Way within the Borough of Spelthorne

2.3.4 The Public Rights of Way identified within the part of the Borough of Spelthorne that falls within the recreational spaces and routes study area are set out in Table A10 and shown on Figure 2.16.

Table A10 Public Rights of Way within the Borough of Spelthorne

ID	Typology	Name
R0153	Local Bridleway	Staines PRoW 51
R0154	Local Bridleway	Staines PRoW 51
R0155	Local Bridleway	Staines PRoW 51
R0156	Local Footpath	Staines PRoW 2
R0157	Local Bridleway	Staines PRoW 50
R0158	Local Footpath	Staines PRoW 9
R0159	Local Bridleway	Staines PRoW 3
R0160	Local Footpath	Staines PRoW 4
R0161	Local Footpath	Staines PRoW 7
R0162	Local Footpath	Staines PRoW 6
R0163	Local Footpath	Staines PRoW 7a
R0164	Local Footpath	Staines PRoW 8
R0165	Local Footpath	Staines PRoW 3
R0166	Local Footpath	Staines PRoW 10
R0167	Local Footpath	Staines PRoW 11
R0168	Local Footpath	Staines PRoW 12
R0169	Local Footpath	Staines PRoW 14
R0170	Local Footpath	Staines PRoW 19
R0171	Local Footpath	Staines PRoW 17
R0172	Local Footpath	Staines PRoW 18
R0173	Local Footpath	Staines PRoW 20
R0174	Local Footpath	Staines PRoW 20
R0175	Local Footpath	Staines PRoW 49
R0176	Local Footpath	Staines PRoW 22
R0177	Local Footpath	Staines PRoW 21

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ID	Typology	Name
R0178	Local Footpath	Staines PRoW 45
R0179	Local Footpath	Staines PRoW 13
R0180	Local Footpath	Staines PRoW 43
R0181	Local Footpath	Staines PRoW 43
R0206	Local Footpath	Staines PRoW 24
R0207	Local Footpath	Staines PRoW 25
R0208	Local Footpath	Staines PRoW 26
R0209	Local Byway	Staines PRoW 42
R0210	Local Footpath	Staines PRoW 69
R0290	Local Footpath	Staines PRoW 5
R0291	Local Footpath	Staines PRoW 23
R0309	Local Footpath	Staines NCP Prow 47
R0310	Local Footpath	Staines NCP Prow 44
R0312	Local Bridleway	Staines NCP Prow 51
R0313	Local Footpath	Staines NCP Prow 16

Public Rights of Way within Royal Borough of Windsor and Maidenhead

2.3.5 The Public Rights of Way identified within the part of the Royal Borough of Windsor and Maidenhead that falls within the recreational spaces and routes study area are set out in Table A11 and shown on Figure 2.17.

Table A11 Public Rights of Way within Royal Borough of Windsor and Maidenhead

ID	Typology	Name
R0137	Local Footpath	RBWM PRoW HORT/1/1
R0138	Local Bridleway	RBWM PRoW HORT/5/1
R0139	Local Bridleway	RBWM PRoW HORT/4/1
R0140	Local Footpath	RBWM PRoW HORT/3/1
R0141	Local Footpath	RBWM PRoW WRAY/6/1
R0142	Local Footpath	RBWM PRoW WRAY/1/1
R0143	Local Footpath	RBWM PRoW WRAY/11/1
R0144	Local Footpath	RBWM PRoW WRAY/8A/1
R0145	Local Footpath	RBWM PRoW WRAY/8B/1

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ID	Typology	Name
R0146	Local Footpath	RBWM PRoW WRAY/9/1
R0147	Local Footpath	RBWM PRoW WRAY/9/2
R0148	Local Footpath	RBWM PRoW WRAY/7/1
R0149	Local Footpath	RBWM PRoW WRAY/4/1
R0150	Local Footpath	RBWM PRoW WRAY/3/1
R0151	Local Footpath	RBWM PRoW WRAY/10/1
R0152	Local Footpath	RBWM PRoW WRAY/2/1
R0298	Local Footpath	RBWM PRoW DATC/7/2
R0299	Local Footpath	RBWM PRoW DATC/7/1
R0305	Local Footpath	RBWM PRoW WRAY/11/2
R0334	Local Footpath	RBWM PRoW DATC/6/1
R0335	Local Footpath	RBWM PRoW WRAY/11/3
R0336	Local Footpath	RBWM PRoW WRAY/13/1
R0337	Local Footpath	RBWM PRoW WRAY/12/1
R0338	Local Footpath	RBWM PRoW WRAY/8C/1
R0339	Local Footpath	RBWM PRoW WRAY/8C/2

Public Rights of Way within the Borough of Slough

2.3.6 The Public Rights of Way identified within the part of the Borough of Slough that falls within the recreational spaces and routes study area are set out in Table A12 and shown on Figure 2.18.

Table A12 Public Rights of Way within the Borough of Slough

ID	Typology	Name
R0061	Local Bridleway	Slough PRoW 5
R0062	Local Footpath	Slough PRoW 2b
R0063	Local Bridleway	Slough PRoW 2a
R0064	Local Bridleway	Slough PRoW 6
R0065	Local Footpath	Slough PRoW 6a
R0066	Local Footpath	Slough PRoW 2
R0067	Local Footpath	Slough PRoW 1
R0068	Local Footpath	Slough PRoW 8

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ID	Typology	Name
R0069	Local Footpath	Slough PRoW 9
R0070	Local Footpath	Slough PRoW 43
R0071	Local Footpath	Slough PRoW 42
R0080	Local Footpath	Slough PRoW 41
R0082	Local Footpath	Slough PRoW 74
R0286	Local Footpath	Slough PRoW 3
R0314	Local Footpath	Slough PRoW 5A
R0315	Local Footpath	Slough PRoW 7

Public Rights of Way within South Bucks District

2.3.7 The Public Rights of Way identified within the part of South Bucks District that falls within the recreational spaces and routes study area are set out in Table A13 and shown on Figure 2.19.

Table A13 Public Rights of Way within South Bucks District

ID	Typology	Name
R0083	Local Footpath	South Bucks PRoW WEX/18/3
R0098	Local Bridleway	South Bucks PRoW IVE/11/1
R0099	Local Footpath	South Bucks PRoW IVE/4A/1
R0100	Local Footpath	South Bucks PRoW IVE/4A/2
R0101	Local Footpath	South Bucks PRoW IVE/27/1
R0102	Local Footpath	South Bucks PRoW IVE/26/1
R0103	Local Footpath	South Bucks PRoW IVE/25/1
R0104	Local Footpath	South Bucks PRoW IVE/28/1
R0105	Local Footpath	South Bucks PRoW IVE/29/1
R0106	Local Footpath	South Bucks PRoW IVE/28/4
R0107	Local Footpath	South Bucks PRoW IVE/35/1
R0108	Local Footpath	South Bucks PRoW IVE/28/3
R0109	Local Footpath	South Bucks PRoW IVE/36/1
R0110	Local Footpath	South Bucks PRoW IVE/30/2
R0111	Local Footpath	South Bucks PRoW IVE/16/3
R0112	Local Footpath	South Bucks PRoW IVE/17/3
R0113	Local Footpath	South Bucks PRoW IVE/17/8

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ID	Typology	Name
R0114	Local Footpath	South Bucks PRoW IVE/17/7
R0115	Local Footpath	South Bucks PRoW IVE/16/1
R0116	Local Bridleway	South Bucks PRoW IVE/P1(BW)/1
R0117	Local Bridleway	South Bucks PRoW IVE/P1(BW)/1
R0118	Local Footpath	South Bucks PRoW IVE/21/3
R0119	Local Footpath	South Bucks PRoW IVE/16/2
R0120	Local Footpath	South Bucks PRoW IVE/21/2
R0121	Local Bridleway	South Bucks PRoW IVE/31/2
R0122	Local Footpath	South Bucks PRoW IVE/34/1
R0123	Local Footpath	South Bucks PRoW IVE/20/1
R0124	Local Footpath	South Bucks PRoW IVE/24/1
R0125	Local Footpath	South Bucks PRoW IVE/15/1
R0126	Local Footpath	South Bucks PRoW IVE/18/1
R0127	Local Footpath	South Bucks PRoW IVE/15A/1
R0128	Local Footpath	South Bucks PRoW IVE/17/5
R0129	Local Footpath	South Bucks PRoW IVE/17/6
R0130	Local Footpath	South Bucks PRoW IVE/17/1
R0131	Local Footpath	South Bucks PRoW IVE/17/4
R0132	Local Footpath	South Bucks PRoW IVE/15/2
R0133	Local Footpath	South Bucks PRoW IVE/14/1
R0134	Local Footpath	South Bucks PRoW IVE/15/3
R0135	Local Footpath	South Bucks PRoW IVE/13/1
R0287	Local Footpath	South Bucks PRoW IVE/20/2
R0288	Local Footpath	South Bucks PRoW IVE/20/3
R0289	Local Footpath	South Bucks PRoW IVE/31/1
R0292	Local Footpath	South Bucks PRoW IVE/21/1
R0293	Local Footpath	South Bucks PRoW IVE/16/4
R0294	Local Footpath	South Bucks PRoW IVE/16/5
R0306	Local Footpath	South Bucks PRoW IVE/P2(FP)1
R0307	Local Footpath	South Bucks PRoW IVE/17/2

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2.4 Promoted Recreational Cycle Routes

- 2.4.1 The desk study undertaken to inform the baseline for the assessment of open spaces and routes used for informal recreation has identified 11 promoted recreational cycle routes within the recreational spaces and routes study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.
- 2.4.2 It is noted that there are extensive networks of cycle routes in the area, which may be used recreationally, however this section of the study focuses only on routes which have been identified and promoted for recreational purposes.

Nationally and Locally Promoted Cycle Routes

- 2.4.3 Three Sustrans National Cycle Routes were found to enter the study area, and are generally limited to the northern and southern edges of the study area.
- 2.4.4 Eight Locally Promoted Cycle Routes were found within, or crossing into, the study area.
- 2.4.5 These are listed below in Table A14, and are illustrated in Figures 2.20 and 2.21.

Table A14 Nationally and Locally Promoted Cycle Routes

ID	Typology	Name
R0001	Sustrans NCN	National Route 61
R0002	Sustrans NCN	National Route 4 Thames Valley
R0326	Sustrans NCN	National Route 6
R0321	Locally Promoted Cycle Route	Hounslow park ride
R0322	Locally Promoted Cycle Route	Cranford and Heston ride
R0327	Locally Promoted Cycle Route	Hounslow local cycle track
R0329	Locally Promoted Cycle Route	The Jubilee River & Slough Linear park route
R0340	Locally Promoted Cycle Route	Spelthorne Route 1 Ashford-Staines upon Thames
R0341	Locally Promoted Cycle Route	Spelthorne Route 4 Staines upon Thames to Shepperton
R0342	Locally Promoted Cycle Route	Spelthorne Route 5 Staines upon Thames to Thorpe
R0343	Locally Promoted Cycle Route	Spelthorne Route 6 Laleham to Chertsey

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ID	Typology	Name
R0344	Locally Promoted Cycle Route	Spelthorne Route 8 Stanwell Moor to Wraysbury to Staines upon Thames

2.5 Other Identified Cycling Resources

2.5.1 A dense network of on- and off-road cycling routes which are promoted by local councils and other bodies has been noted within the study area, however due to the extensive nature of the cycle network, no attempt has been made to individually identify these routes at this stage.

Regional Cycle Network

2.5.2 Transport for London (TfL) has identified a network of cycle routes which extends from central London to the M25. This network is shown on Figure 2.22.

Local Cycle Network

2.5.3 Within the study area, some local authorities have published plans showing cycle routes within their boundaries. The local authorities with available plans included in this study are Hillingdon, Windsor and Maidenhead, Slough and Spelthorne. This network is shown in Figure 2.23.

3. SPORTS AND LEISURE FACILITIES

- 3.1.1 The desk study undertaken to inform the baseline for the assessment of sports and leisure facilities has identified a number of open spaces within the sports and leisure facilities study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.
- 3.1.2 An overview of all the Sports and leisure facilities is provided on Figure 2.24.

Table A15 Sports and Leisure Facilities within the study area.

ID	Typology	Name
S1	Sports Facility	Spirit Health And Fitness
S3	Sports Facility	Goals Soccer Centre (Heathrow)
S5	Sports Facility	William Byrd Pool
S6	Sports Facility	Little Harlington Playing Fields
S7	Sports Facility	Harmondsworth Recreation Ground tennis courts
S8	Sports Facility	Imperial College Sports Grounds Harlington
S9	Sports Facility	Imperial College Sports Grounds Heston
S10	Sports Facility	Cranford Community College Sports Facilities
S11	Sports Facility	Ashford Sports Club
S12	Sports Facility	Ashford Town (Middlesex) FC Grounds
S15	Sports Facility	Stanwell Recreation Ground Facilities
S17	Sports Facility	Bedfont Recreation Grounds
S18	Sports Facility	Bedfont & Feltham Football & Social Club
S19	Sports Facility	Heathrow Gymnastics Club
S20	Sports Facility	David Lloyd Sports Centre
S21	Sports Facility	Airlinks Golf Club
S4	Sports Facility	Harlington Sports Centre
S22	Sports Facility	Hounslow Sports and Social Club

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ID	Typology	Name
S23	Sports Facility	Heston Community School Sports Hall
S24	Sports Facility	The Hounslow Dome
S25	Sports Facility	Richings Sports Park
S31	Sports Facility	Heston Pools and Fitness
S30	Sports Facility	Hounslow Indoor Bowls Club
S29	Sports Facility	Anytime Fitness (Hounslow)
S28	Sports Facility	Xercise4less Gym
S27	Sports Facility	Gold's Gym (Hounslow)
S26	Sports Facility	The Gym (London Hounslow)
OS1	Outdoor Sport	Harmondsworth Recreation Ground
OS3	Cemetery / Churchyard	Harmondsworth Churchyard
OS4	Allotment	Pinglestone Close Allotments
OS5	Outdoor Sport	Sipson Recreation Ground
OS8	Allotment	Moor Lane Allotments
OS11	Play / MUGA	Browngraves Green
OS12	Outdoor Sport	Harlington School Grounds
OS13	Outdoor Sport	Little Harlington Playing Fields
OS14	Outdoor Sport	Imperial College London Sports Grounds
OS15	Outdoor Sport	Sipson Meadow
OS16	Outdoor Sport	William Byrd Grounds
OS17	Cemetery / Churchyard	Victoria Lane Burial Ground
OS18	Cemetery / Churchyard	St Peter and St Paul's Churchyard
OS19	Play / MUGA	Brickfield Lane Playground
OS20	Outdoor Sport	Imperial College Sports Ground
OS23	Outdoor Sport	Berkeley Meadows
OS24	Outdoor Sport	Avenue Park
OS25	Outdoor Sport	Cranford Community College Grounds
OS26	Outdoor Sport	Imperial College London Heston Sports Ground
OS28	Play / MUGA	Waye Avenue Green

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ID	Typology	Name
OS29	Outdoor Sport	Cranford School grounds
OS32	Outdoor Sport	Avenue Gardens
OS33	Outdoor Sport	Pippins Park
OS35	Outdoor Sport	Colnbrook Recreation Ground
OS38	Outdoor Sport	Severn Crescent Tennis Courts
OS41	Outdoor Sport	Colnbrook Golf Driving Range
OS42	Outdoor Sport	Stanwell Moor Recreation Ground
OS43	Cemetery / Churchyard	Ashford Cemetery
OS44	Outdoor Sport	Ashford Sports Club Grounds
OS45	Outdoor Sport	Ashford Town (Middlesex) FC Grounds
OS46	Outdoor Sport	Long Lane Recreation Ground
OS47	Outdoor Sport	Stanwell Fields Primary School Grounds
OS48	Play / MUGA	Victory Close Green & Playground
OS49	Play / MUGA	Stanwell Village Park
OS50	Outdoor Sport	Stanwell Recreation Ground
OS53	Play / MUGA	Nuthatch Close Playground
OS55	Cemetery / Churchyard	Stanwell Cemetery
OS56	Allotment	Stanwell Cemetery Allotments
OS57	Outdoor Sport	Town Farm Primary School Grounds
OS58	Play / MUGA	Clyde Road Park
OS59	Allotment	The Vineries Allotments
OS74	Outdoor Sport	Bedfont Lakes Country Park
OS75	Cemetery / Churchyard	Bedfont Cemetery
OS76	Urban Farm	Hounslow Urban Farm
OS78	Cemetery / Churchyard	Hatton Cemetery
OS79	Allotment	Hatton Road Allotments
OS80	Outdoor Sport	Bedfont Recreation Ground
OS87	Outdoor Sport	River Academy Playing Fields
OS89	Play / MUGA	Cage Park

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ID	Typology	Name
OS90	Outdoor Sport	Blenheim Park
OS91	Outdoor Sport	Feltham Park
OS92	Outdoor Sport	Glebelands Playing Fields
OS95	Allotment	Viola Ave Allotments
OS96	Outdoor Sport	Sparrow Farm school grounds
OS98	Allotment	Heron Road Allotments
OS99	Outdoor Sport	Green Lane Recreation Ground
OS100	Outdoor Sport	Hounslow Heath Golf Club
OS102	Outdoor Sport	Chester Road Open Space
OS103	Outdoor Sport	Beavers School Grounds
OS105	Play / MUGA	Grantley Road
OS106	Play / MUGA	Brabazon Road Green
OS107	Outdoor Sport	Berkeley School Grounds
OS109	Outdoor Sport	Airlinks Golf Course
OS110	Outdoor Sport	Bourne Farm Recreation Ground
OS111	Outdoor Sport	Pinkwell Park
OS112	Outdoor Sport	The Closes
OS113	Outdoor Sport	Beaversfield Park
OS115	Outdoor Sport	Grosvenor Park
OS116	Outdoor Sport	Harvey Park
OS117	Outdoor Sport	Sam Philp Recreation Ground - The Moats
OS119	Outdoor Sport	West Drayton Primary School playing fields
OS120	Allotment	Wayne Avenue Allotments
OS122	Allotment	Bourne Farm Allotment
OS123	Allotment	West Drayton Depot Allotments
EC6	Urban Farm	Heathrow Special Needs Centre
OS124	Outdoor Sport	Thorney Park Golf Club
OS125	Outdoor Sport	Iver Golf Club
OS126	Outdoor Sport	Iver Golf Club
PS2	Outdoor Sport	Heathrow Primary School
OS127	Outdoor Sport	Townmead Recreation Ground

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ID	Typology	Name
OS128	Outdoor Sport	Richlings Park Golf Course
OS129	Outdoor Sport	Cherry Lane Primary School playing fields
OS130	Outdoor Sport	Heath Park Golf Club
OS131	Outdoor Sport	Playing Fields W Pinkwell Primary, E Harlington Community School
OS132	Outdoor Sport	Longmead/St. Martin's Primary School playing fields
OS133	Outdoor Sport	Cranford Park Primary School Playing Field
OS134	Play / MUGA	MUGA west of Milton Way
OS135	Outdoor Sport	Queen Mary Reservoir
OS136	Outdoor Sport	Liquid Leisure Waterpark
OS138	Play / MUGA	Hengrove Park
OS139	Play / MUGA	Ashford Youth Centre MUGA
OS140	Outdoor Sport	Thomas Knyvett College Grounds
OS141	Outdoor Sport	St James Senior Boys School Grounds
OS143	Outdoor Sport	Heathland School Grounds
OS144	Play / MUGA	Frampton Road Playspace
OS145	Play / MUGA	Vimy Close Playspace
OS146	Play / MUGA	Blackburn Way Playspace
OS147	Play / MUGA	Midsummer Park and Playground
OS149	Outdoor Sport	The Orchard Primary School Grounds
OS150	Outdoor Sport	Grove Road Primary School Ground
OS151	Outdoor Sport	St Mark's Catholic School Grounds
OS152	Play / MUGA	Maitland Close Playground
OS153	Play / MUGA	Logans Close Playground
OS154	Outdoor Sport	St Michaels and St Martins Catholic School Grounds
OS156	Outdoor Sport	Hounslow Bowls Club

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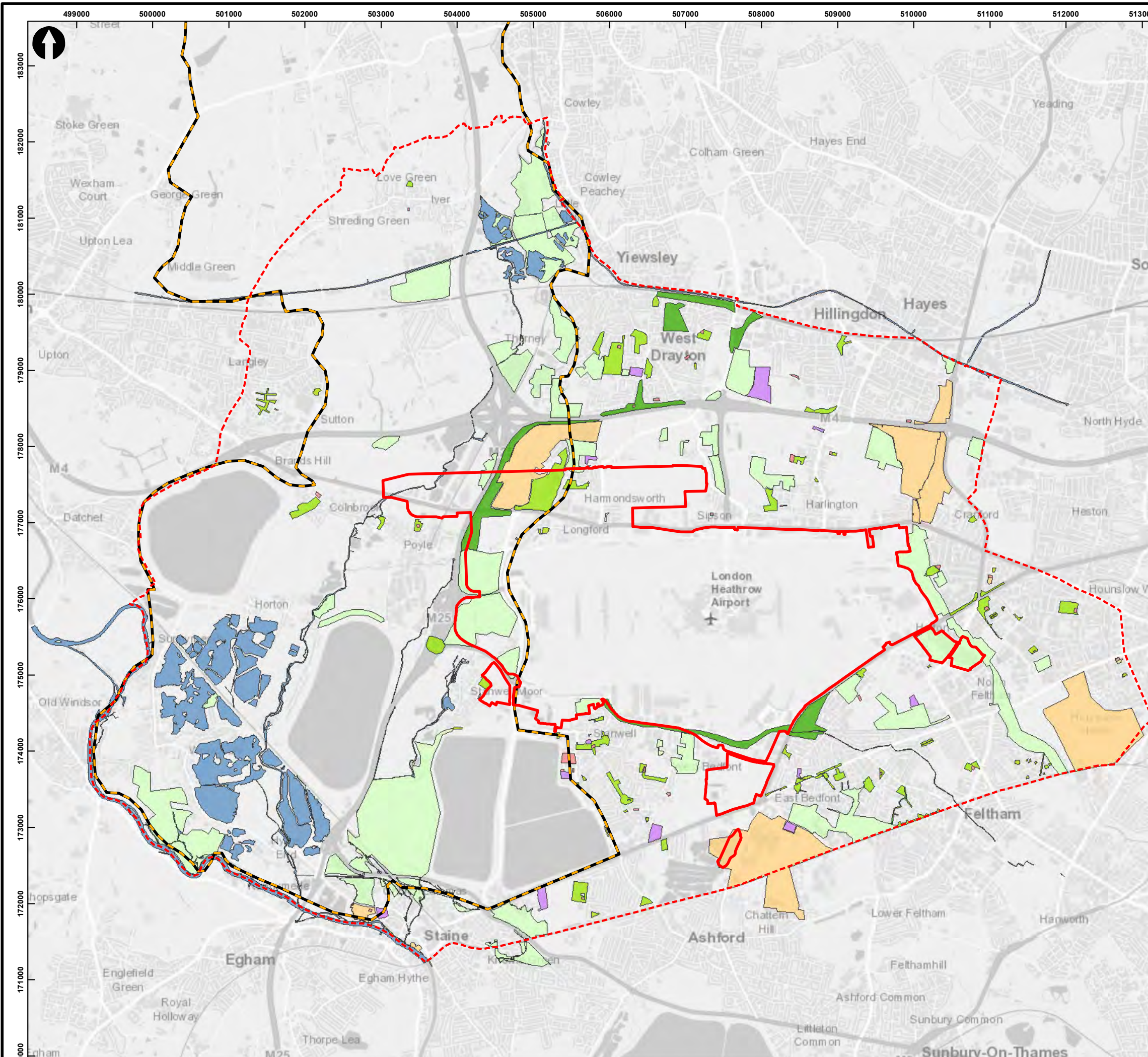
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ID	Typology	Name
OS157	Play / MUGA	Clements Court Playground
OS158	Cemetery / Churchyard	New Brentford Cemetery
OS159	Allotment	Sutton Lane Allotments
OS160	Outdoor Sport	Lampton Park
OS161	Outdoor Sport	Hounslow Sports and Social Club
OS163	Outdoor Sport	Thornbury Playing Fields
OS165	Allotment	Depot Road Allotments
OS166	Play / MUGA	Inwood Park
OS167	Allotment	Stanley Road Allotments
OS168	Allotment	Inwood Road Allotments
OS169	Allotment	Hounslow Avenue Allotments
OS170	Allotment	Gainsborough Gardens Allotments
OS173	Outdoor Sport	Chatsworth Primary School Grounds
OS177	Play / MUGA	Claypole Drive MUGA
OS178	Play / MUGA	Sutton Lane Community Centre MUGA
OS179	Outdoor Sport	Sutton Playing Field
OS180	Outdoor Sport	Springwell School Grounds
OS181	Outdoor Sport	Heston Park/Heston Sports and Leisure
OS182	Cemetery / Churchyard	St Leonard's Churchyard
OS183	Outdoor Sport	Heston Primary School/Community Sports Hall Grounds
OS184	Allotment	Westbrook Road Allotments
OS186	Allotment	Barnes Farm Allotments
OS187	Outdoor Sport	Norwood Green School Grounds
OS189	Cemetery	Cherry Lane Cemetery
OS190	Outdoor Sport	Goals Football Ground
OS191	Allotment	Station Road Allotments
OS192	Play / MUGA	Lundy Drive MUGA
OS193	Play / MUGA	Lundy Drive Playground
OS194	Play / MUGA	Hoskins Close Playground

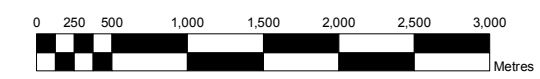
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ID	Typology	Name
OS195	Play / MUGA	Croyde Avenue Playground
OS197	Play / MUGA	Stockley Recreation Ground
OS198	Play / MUGA	Bell Farm Green
OS201	Play / MUGA	Evergreen Drive Playground
OS205	Play / MUGA	Spring Promenade Playground
OS206	Cemetery / Churchyard	West Drayton Cemetery
OS207	Allotment	West Drayton Cemetery Allotments
OS210	Cemetery / Churchyard	St Martin's Church
OS212	Outdoor Sport	Richings Sports Park
OS215	Outdoor Sport	Huntsmoor Park Farm
OS217	Outdoor Sport	Thorney Weir/Mets Lake
OS221	Outdoor Sport	Hounslow Heath School Grounds
OS220	Outdoor Sport	Kinglsey Academy Grounds
OS219	Outdoor Sport	Lampton School Grounds
OS218	Play / MUGA	Southville Children's Centre MUGA



- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Colne Valley Regional Park
- Areas of informal recreation**
- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody



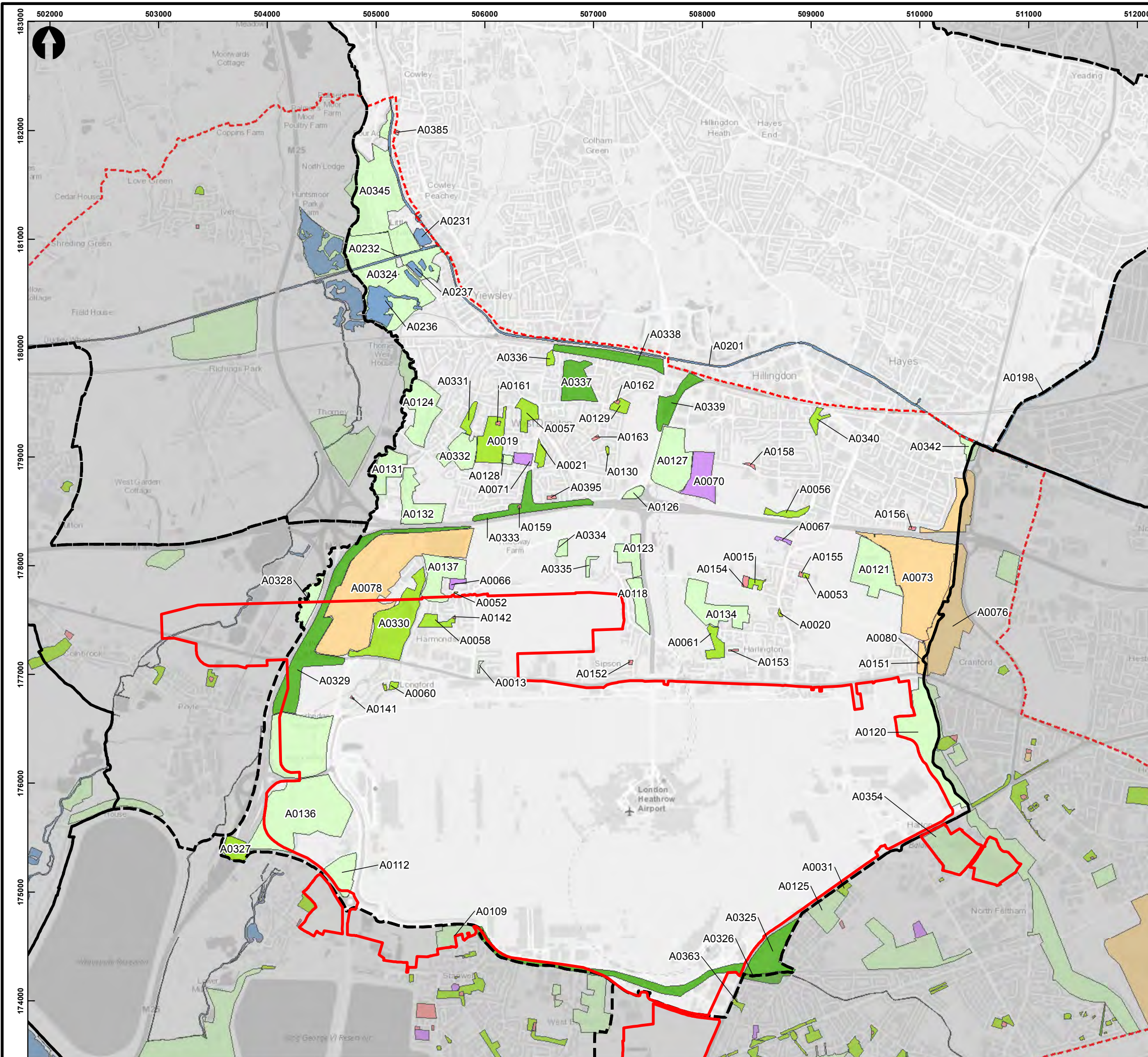
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Title
 Figure 2.1: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon483.mxd				Version 1.0

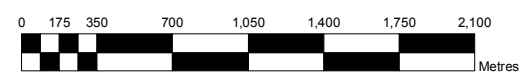
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— Heathrow Expansion Boundary (AC v4.9)
 Recreation and Amenity Impact Assessment Study Area
 Local Authority boundaries

Areas of informal recreation

- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody



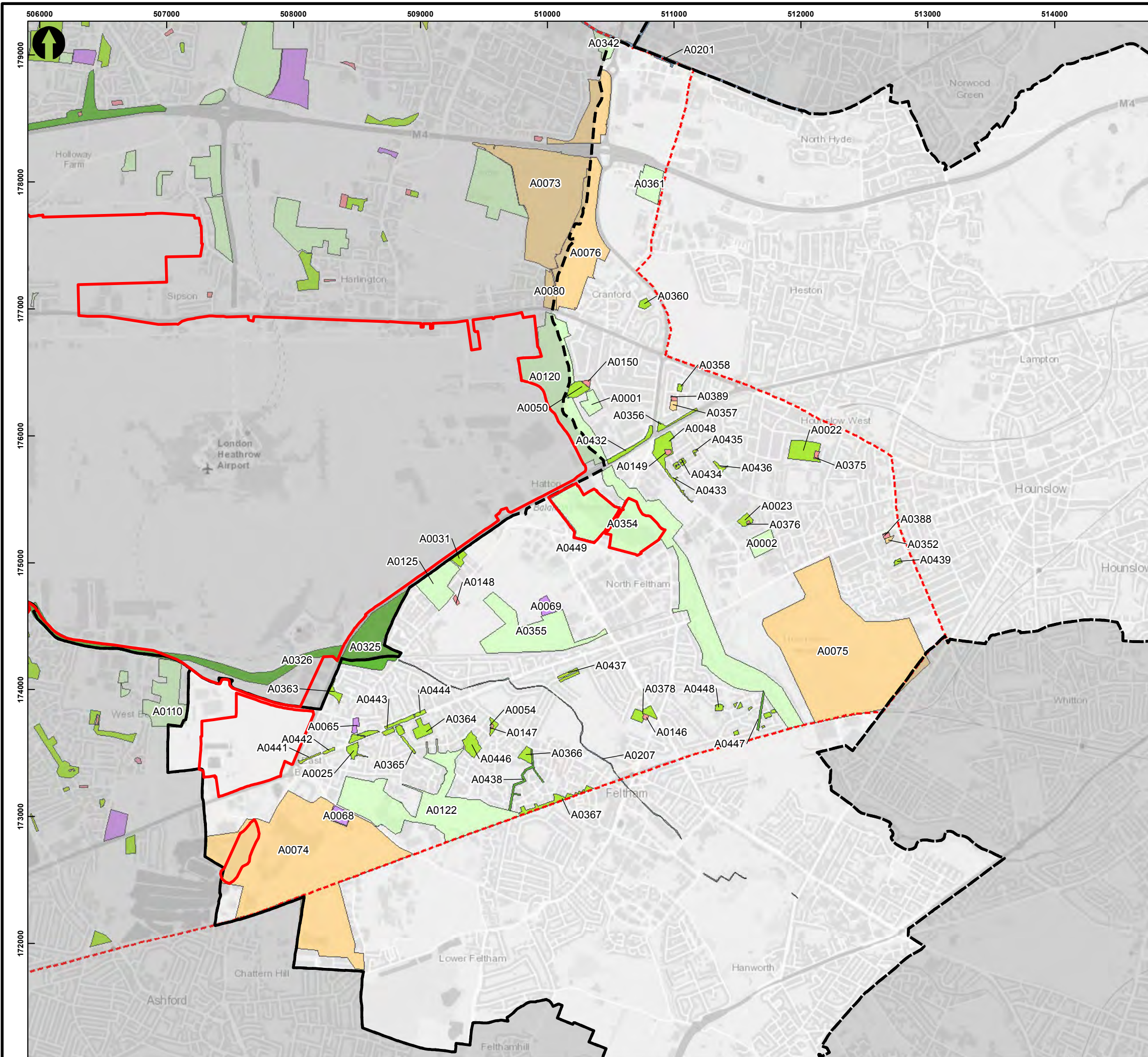
Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No.

Title
 Figure 2.2: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area within the London Borough of Hillingdon

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon484.mxd				Version 1.0

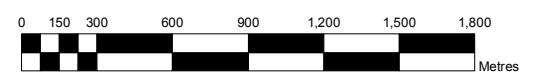
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— Heathrow Expansion Boundary (AC v4.9)
 Recreation and Amenity Impact Assessment Study Area
 Local Authority boundaries

Areas of informal recreation

- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody





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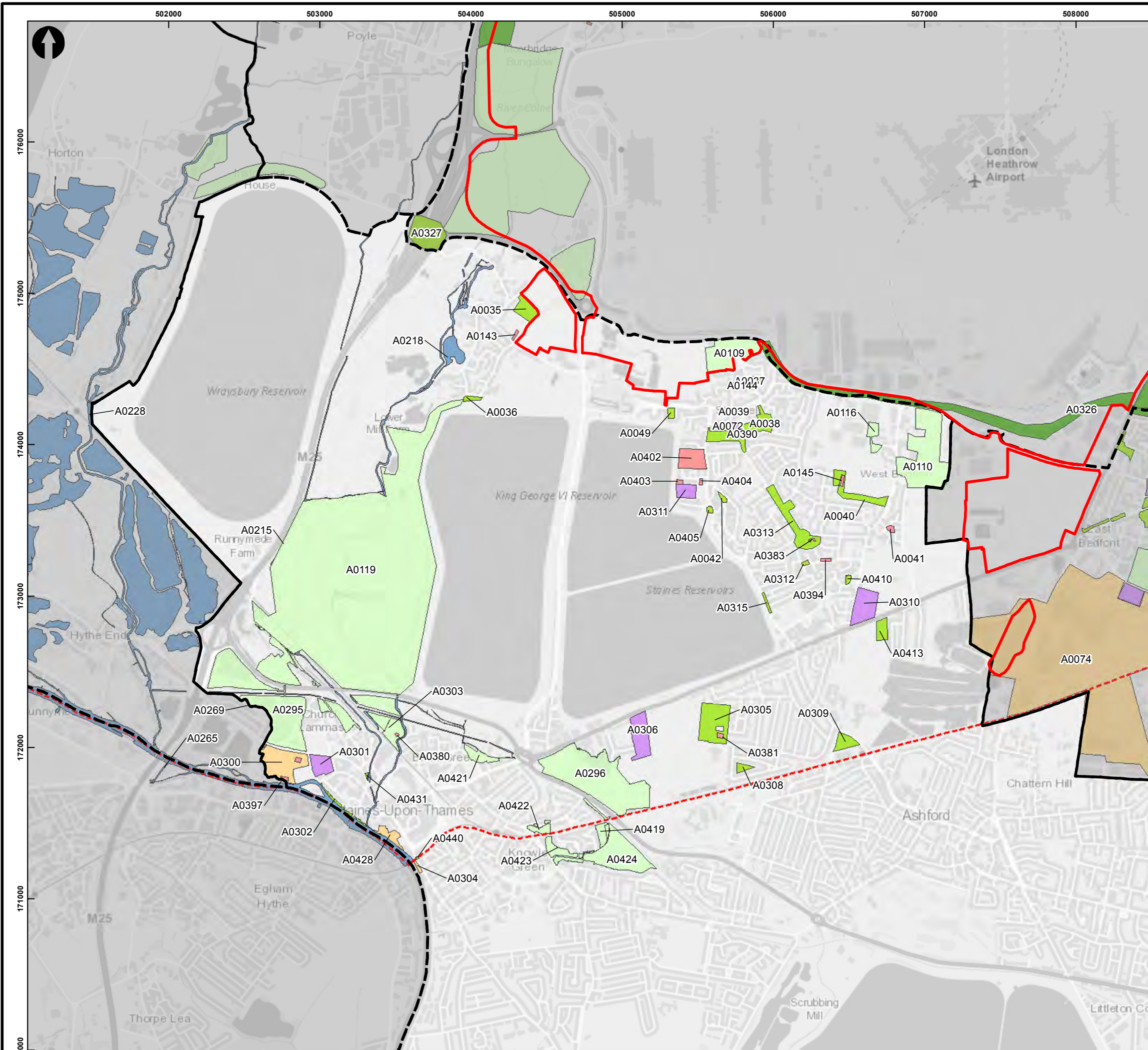
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Project Name Heathrow Expansion Project		Heathrow Project No.

Title
 Figure 2.3: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area within the London Borough of Hounslow

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon485.mxd				Version 1.0

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— Heathrow Expansion Boundary (AC v4.9)
 Recreation and Amenity Impact Assessment Study Area
 Local Authority boundaries

Areas of informal recreation

- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody

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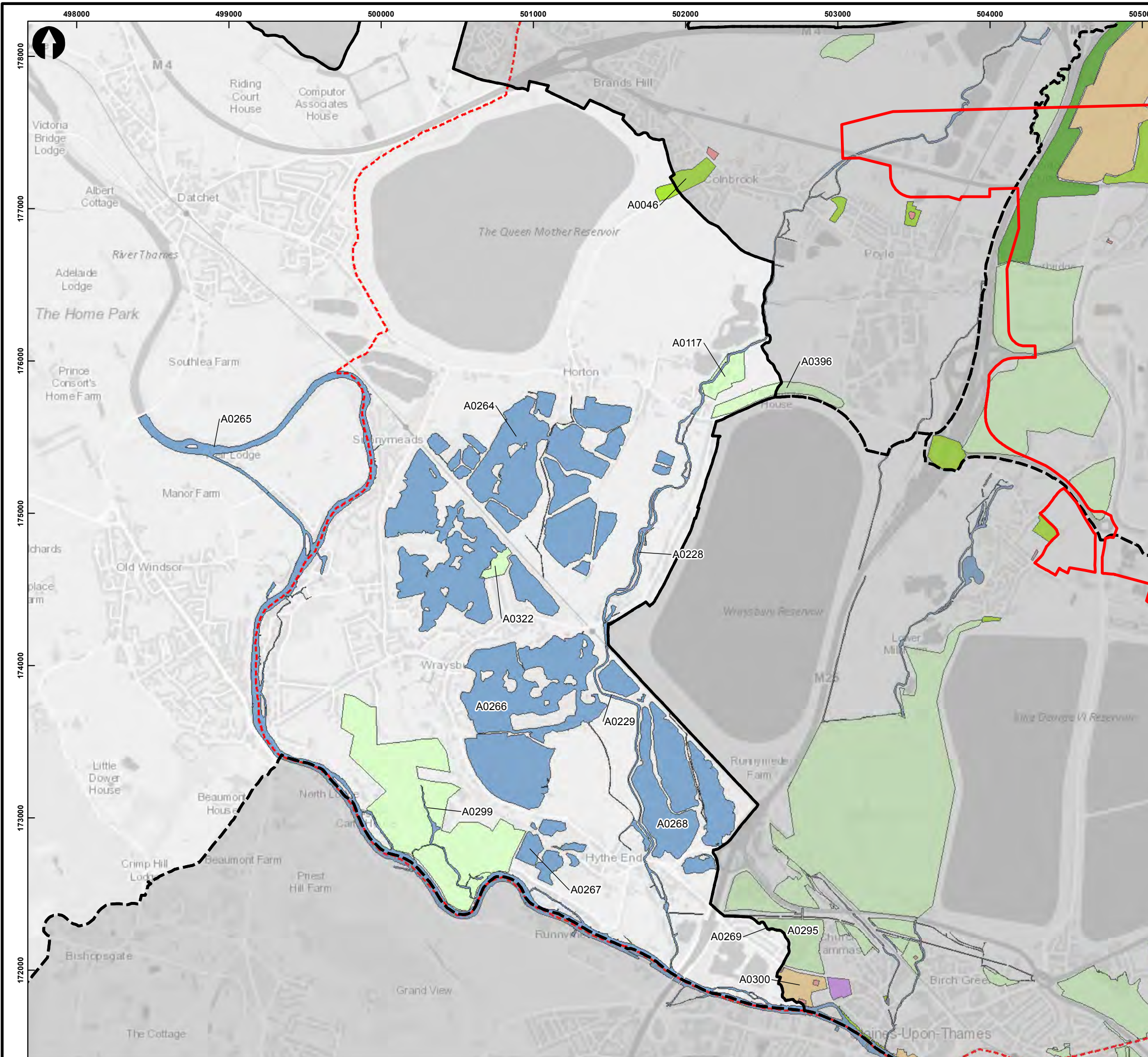
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Project Name Heathrow Expansion Project		Heathrow Project No.

Title Figure 2.4: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area within the Borough of Spelthorne				
Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon486.mxd				Version 1.0

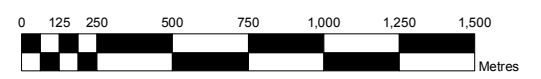
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— Heathrow Expansion Boundary (AC v4.9)
 Recreation and Amenity Impact Assessment Study Area
 Local Authority boundaries

Areas of informal recreation

- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody



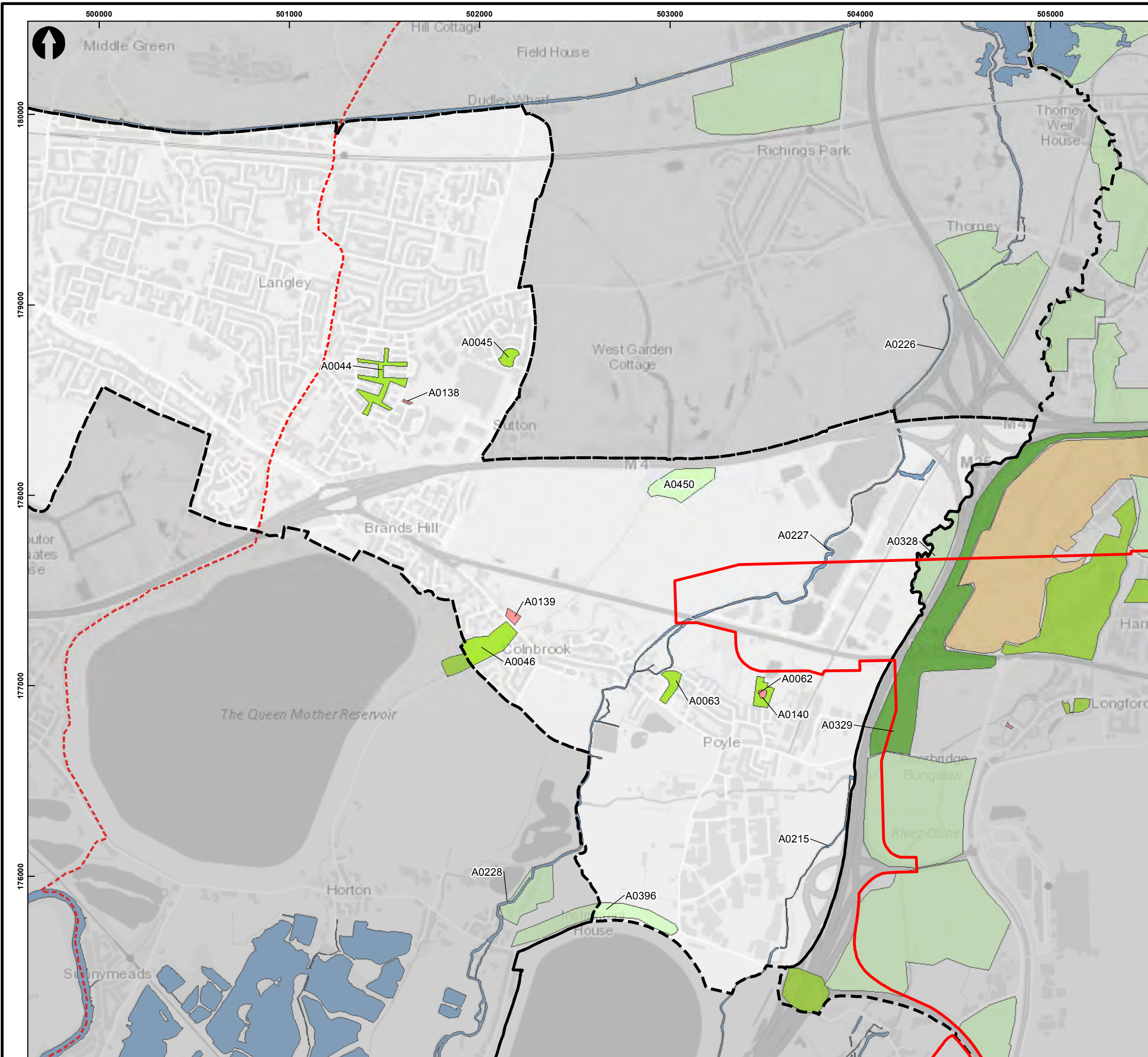
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Title
 Figure 2.5: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area within the Royal Borough of Windsor and Maidenhead

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon487.mxd				Version 1.0

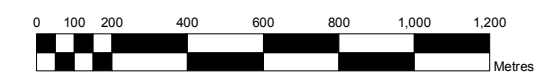
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— Heathrow Expansion Boundary (AC v4.9)
 Recreation and Amenity Impact Assessment Study Area
 Local Authority boundaries

Areas of informal recreation

- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody



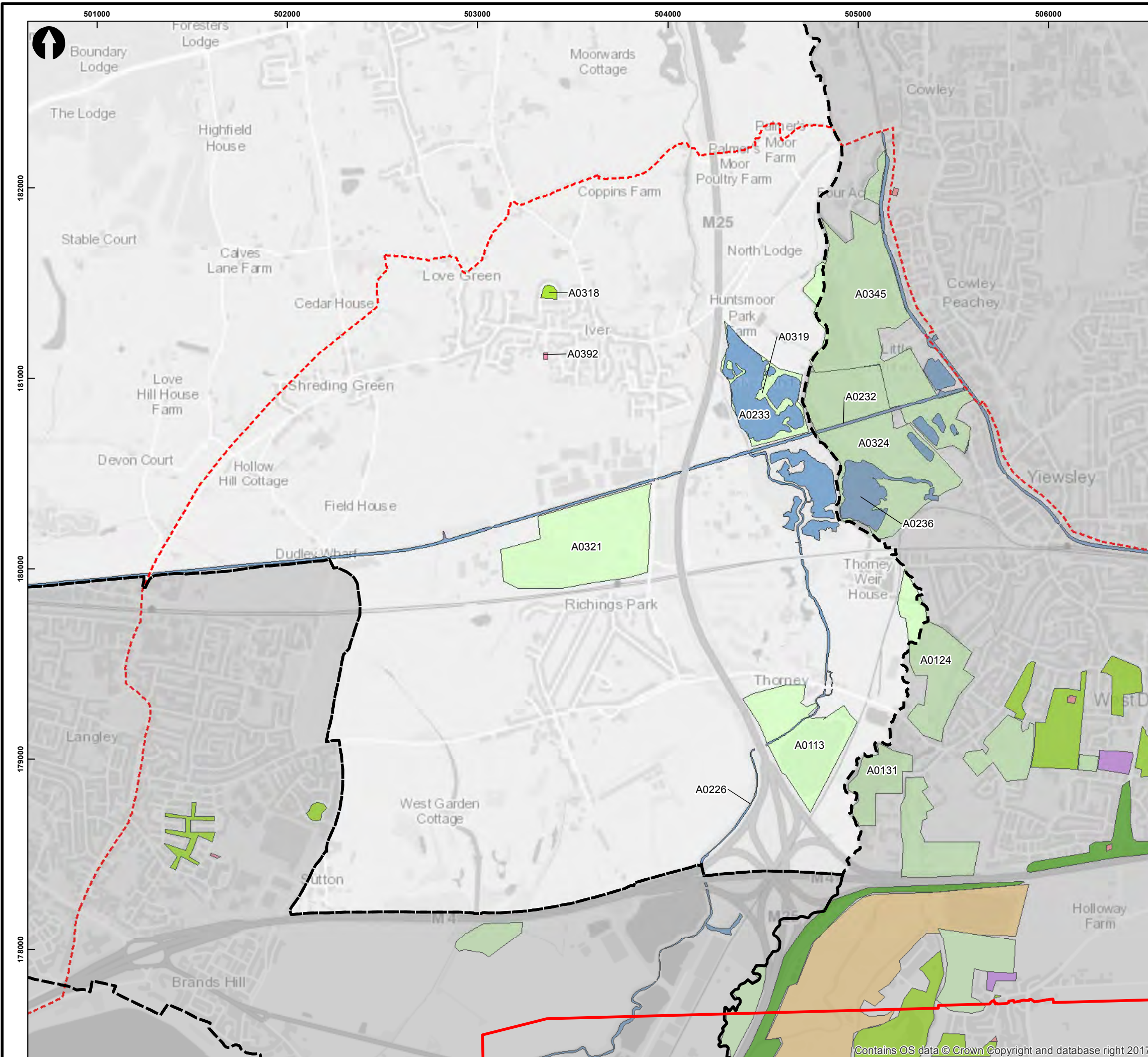
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Project Name Heathrow Expansion Project		Heathrow Project No.

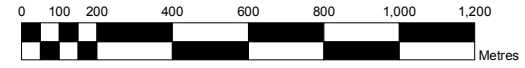
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 Figure 2.6: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area within the Borough of Slough

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon488.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Local Authority boundaries
- Areas of informal recreation**
- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody



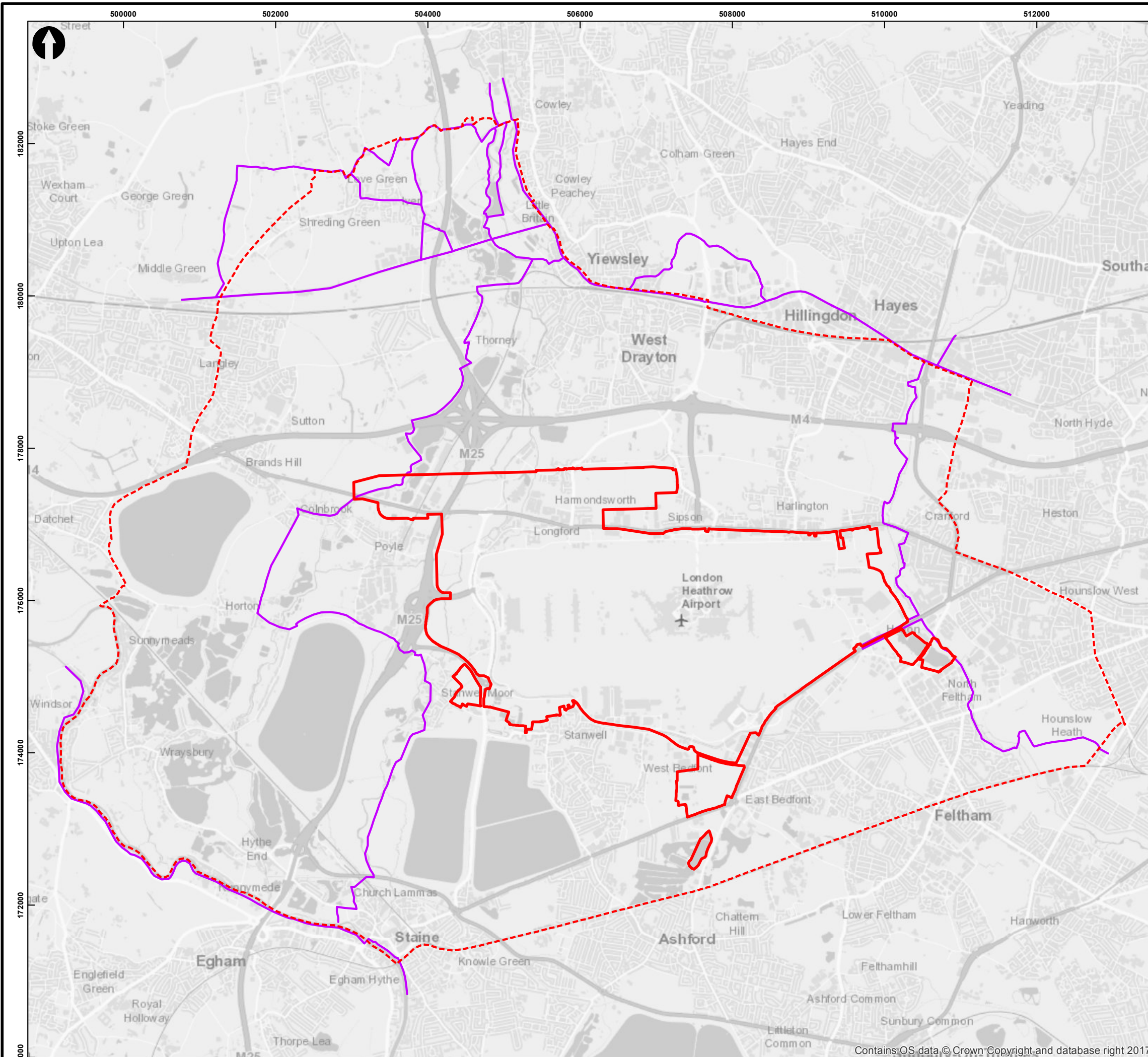
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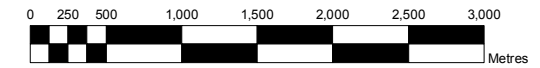
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 Figure 2.7: Areas of informal recreation identified within the Recreation & Amenity Impact Assessment Study Area within South Bucks District

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved WRIGS	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon489.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Long Distance Routes



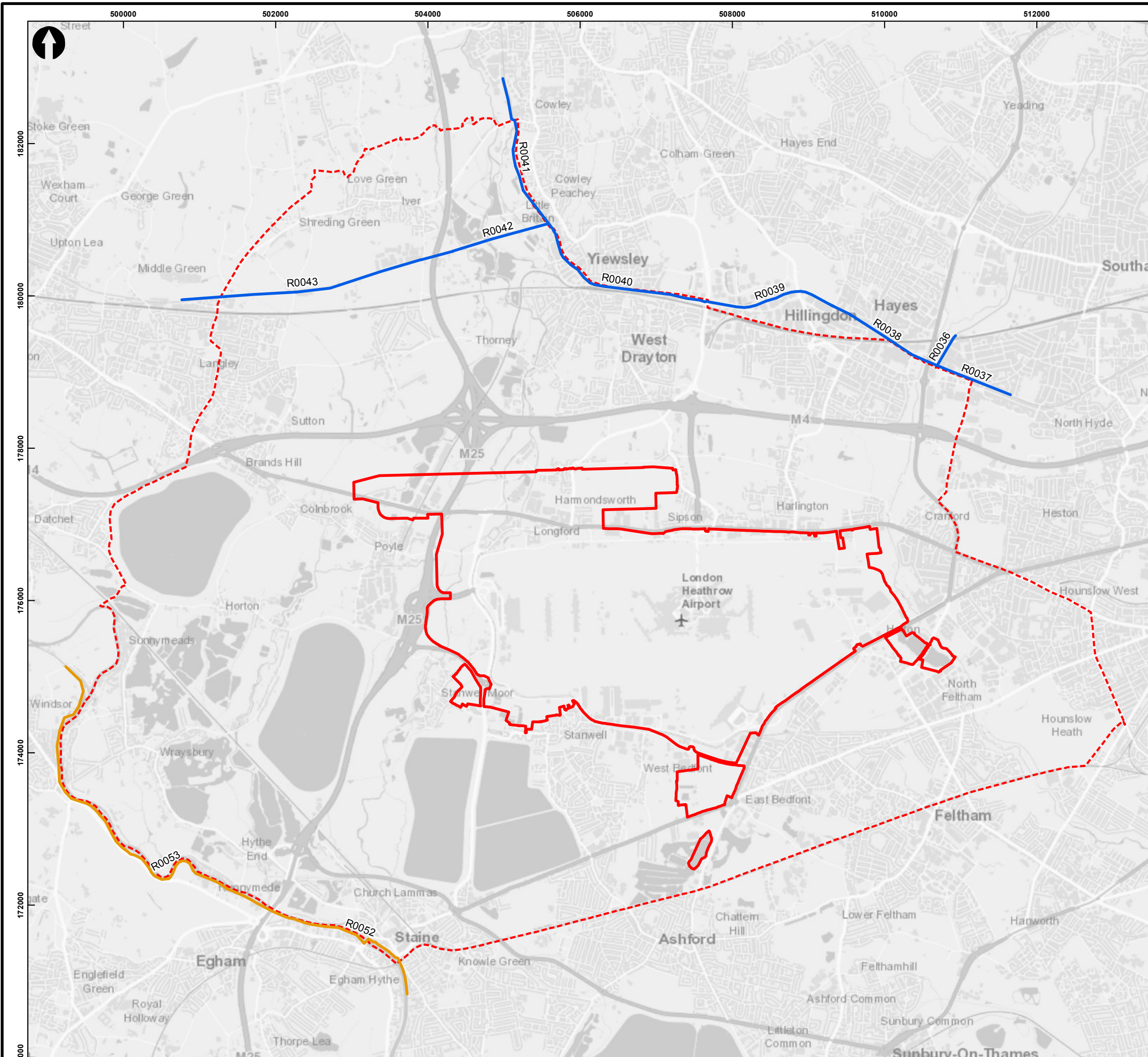
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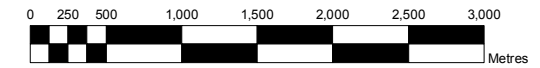
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 Figure 2.8: All Long Distance Footpaths identified within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon490.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Long Distance Routes**
- Grand Union Canal
- Thames Path National Trail



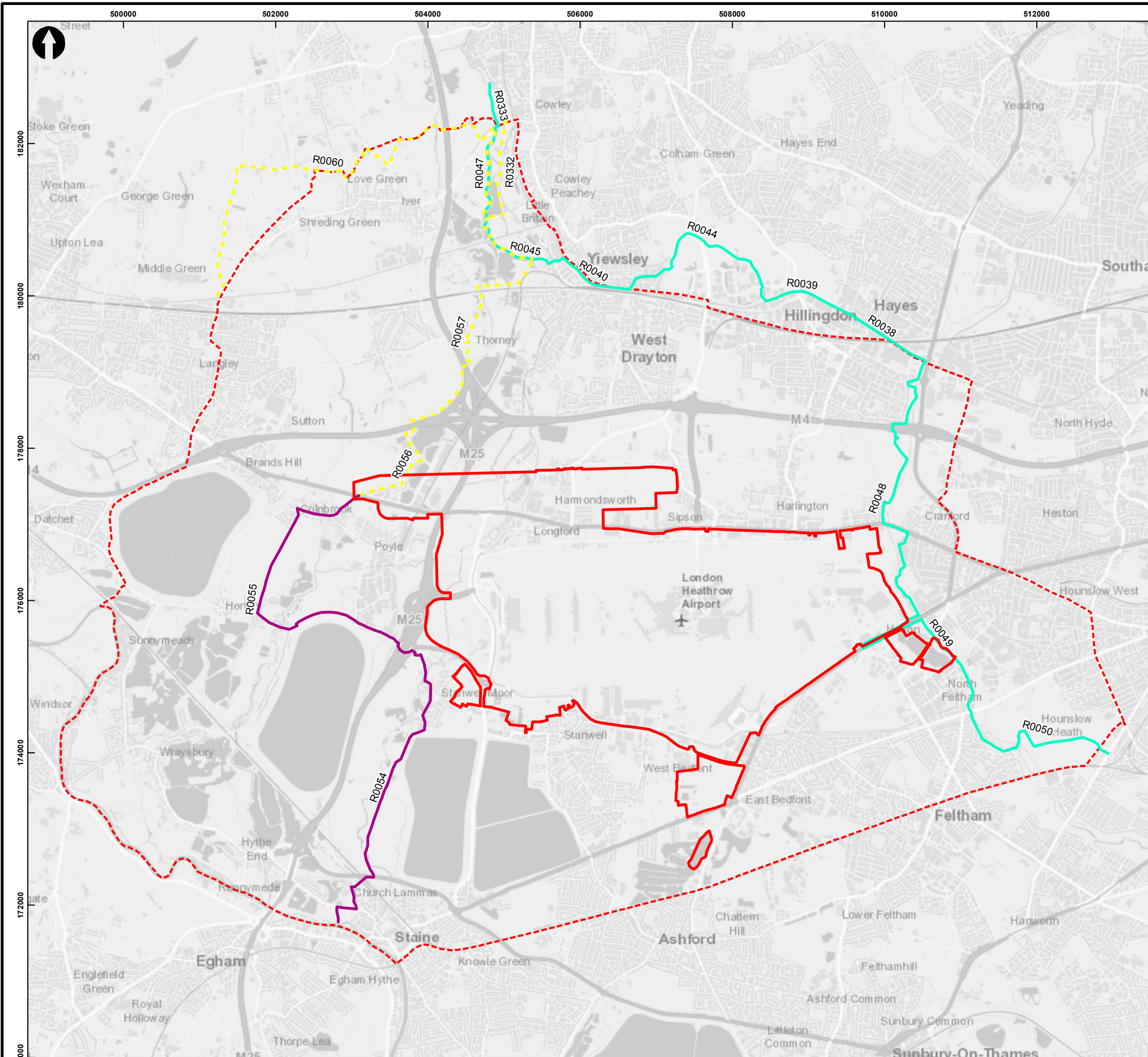
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Project Name Heathrow Expansion Project		Heathrow Project No.

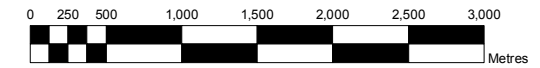
Figure 2.9: Thames Path National Trail and Grand Union Canal Walk within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon491.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Long Distance Routes**
- Colne Valley Way
- Colne Valley Trail
- London Loop













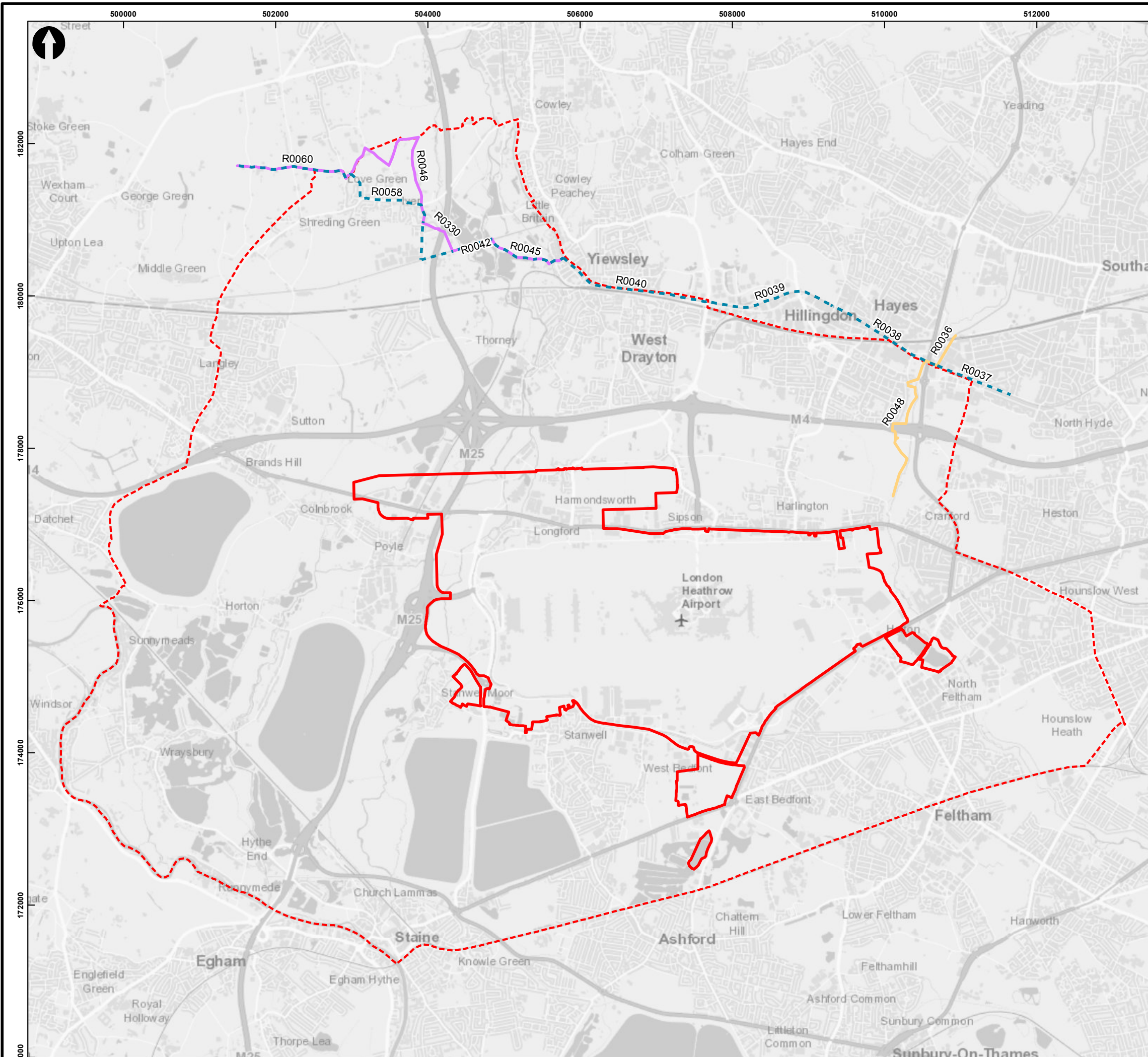

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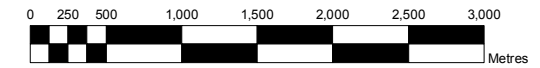
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 Figure 2.10: Colne Valley Way, Colne Valley Trail and London Loop within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon492.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Long Distance Routes**
- Beeches Way
- Hillingdon Trail
- - - Shakespeare's Way



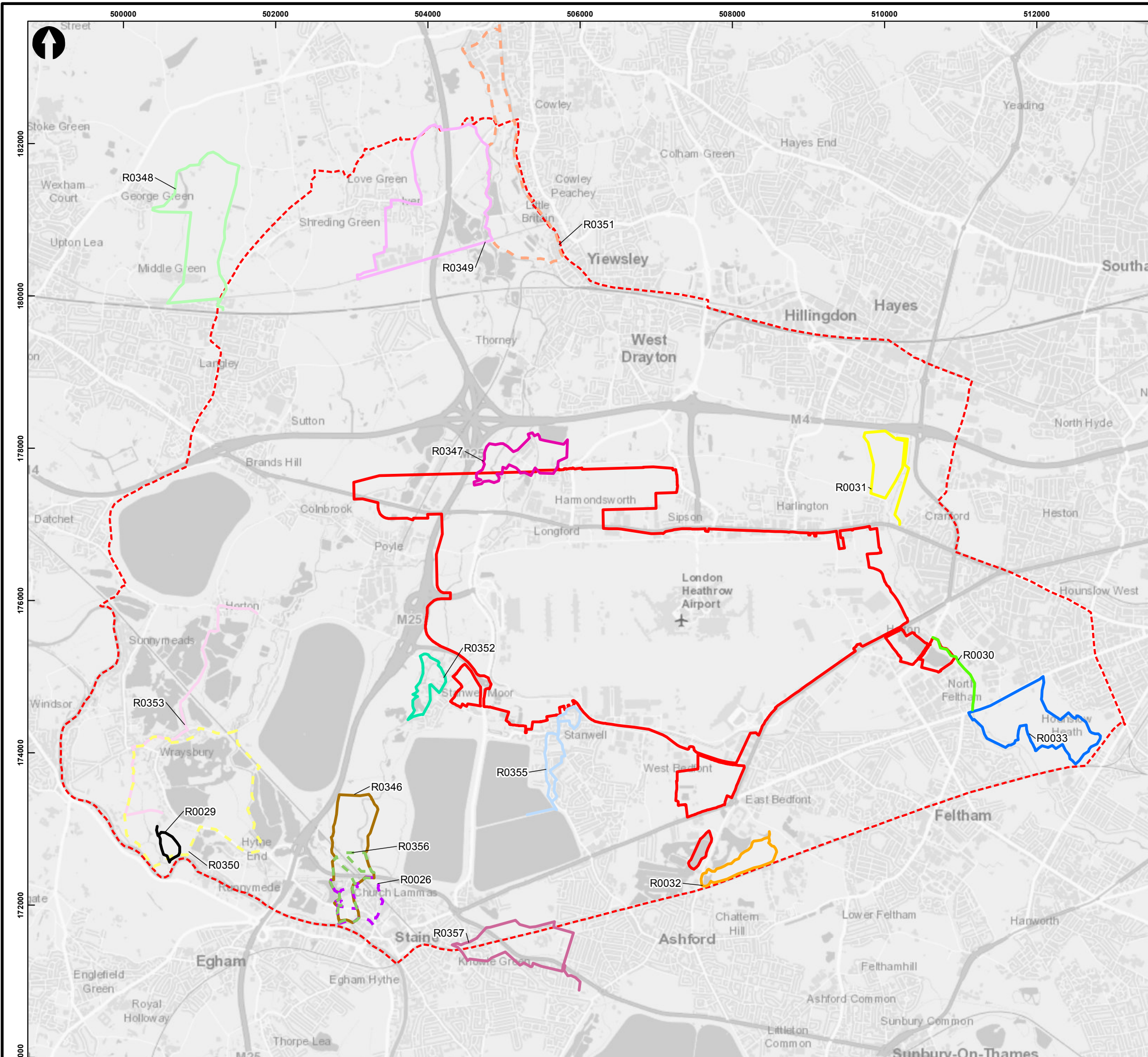
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Project Name Heathrow Expansion Project		Heathrow Project No.

Figure 2.11: Beeches Way, Hillingdon Trail and Shakespeare's Way within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
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— Heathrow Expansion Boundary (AC v4.9)
 Recreation and Amenity Impact Assessment Study Area

Locally Promoted Walks

- Ankerwycke to Runnymede
- Bedfont Lakes
- CVRP Hamondsworth Moor
- CVRP Iver Walk
- CVRP Langley Walk
- CVRP River Colne Walk
- CVRP Staines Walk
- CVRP Wraysbury Walk
- Cranford Park & Avenue Park
- Donkey Wood
- Hounslow Heath
- Lammas Lakes to Staines Moor
- New Route of Section 3 of the Colne Valley Trail
- Spelthorne Church Lammas & Staines Moor
- Spelthorne Fordbridge Park via Bronzefield Walk
- Spelthorne Stanwell Moor & Hithermoor Stream
- Spelthorne Stanwell Village Walk

0 250 500 1,000 1,500 2,000 2,500 3,000 Metres

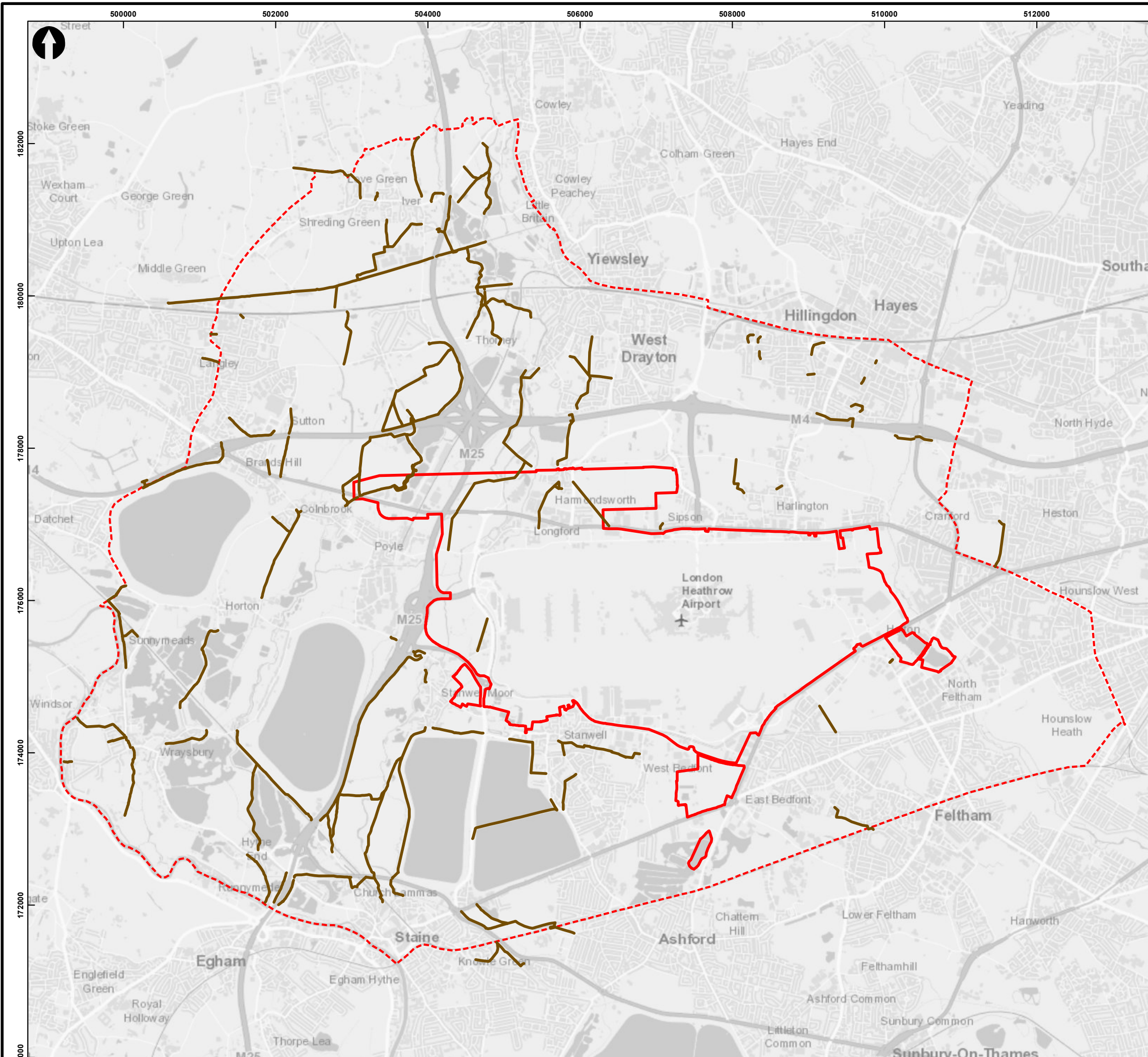
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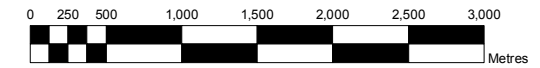
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 Figure 2.12: Locally Promoted Walks within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon494.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Public Rights of Way











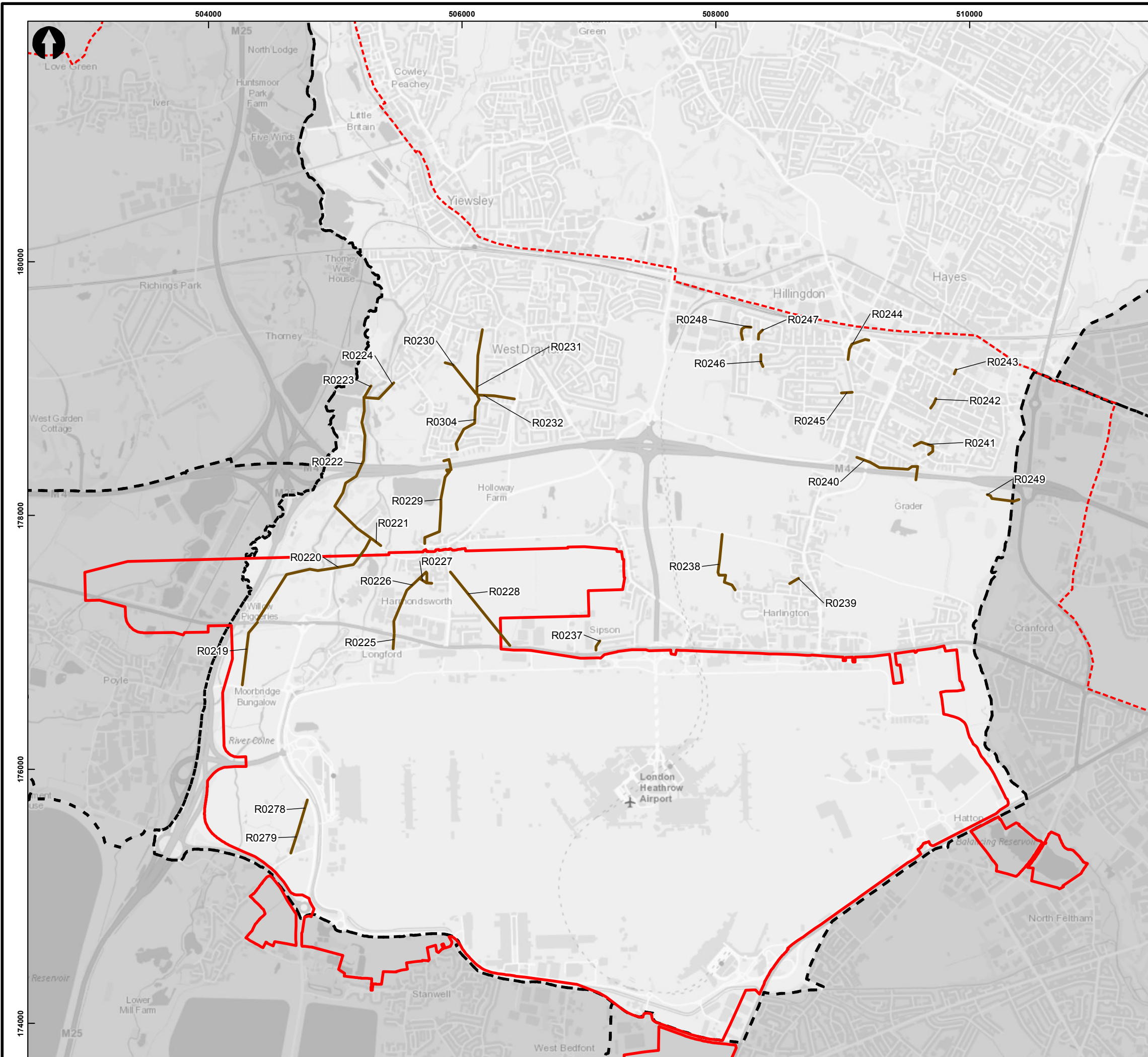
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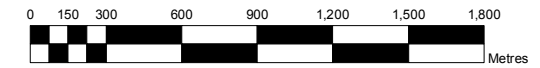
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Figure 2.13: All Local PRoWs identified within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon495.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Local Authority boundaries
- Public Rights of Way









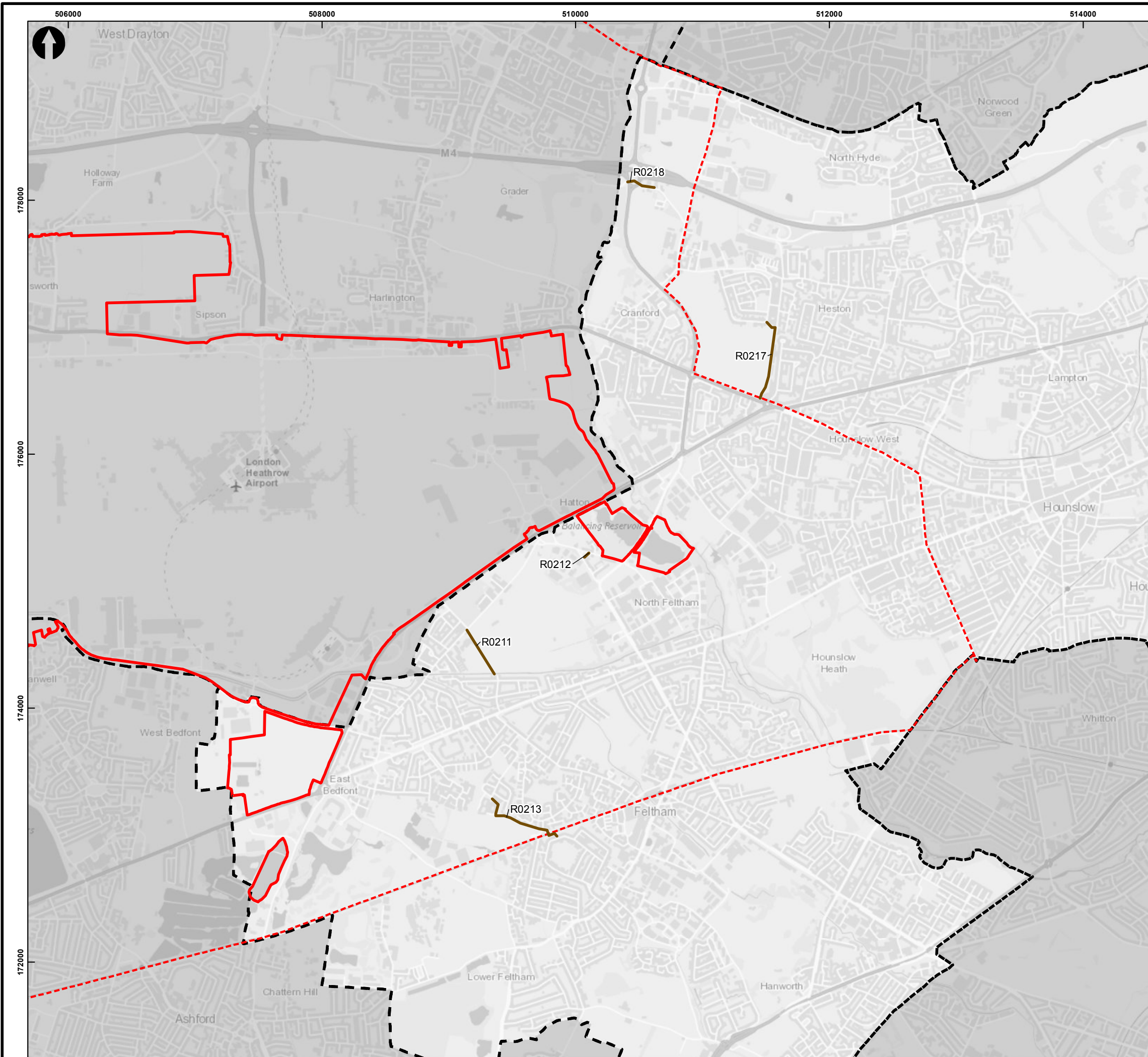

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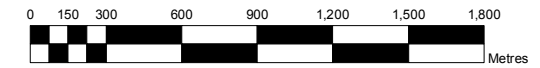
Figure 2.14: PRoWs identified within the PRoWs identified within the Recreation & Amenity Impact Assessment Study Area within the London Borough of Hillingdon

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon496.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- - - Local Authority boundaries
- Public Rights of Way



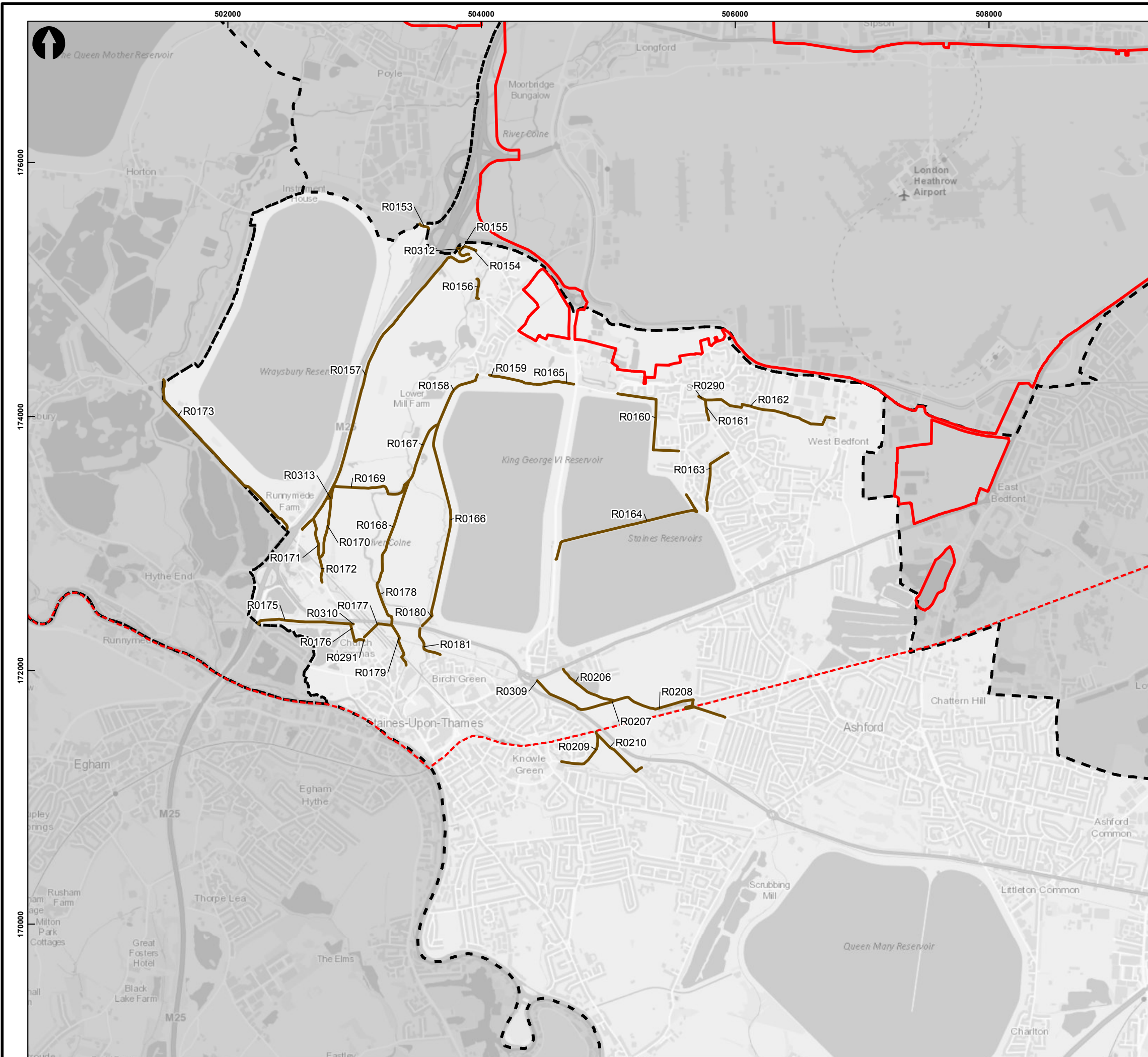
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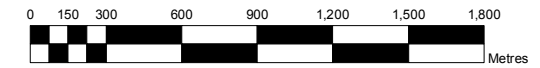
Figure 2.15: PRoWs identified within the Recreation & Amenity Impact Assessment Study Area within the London Borough of Hounslow

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon497.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Local Authority boundaries
- Public Rights of Way



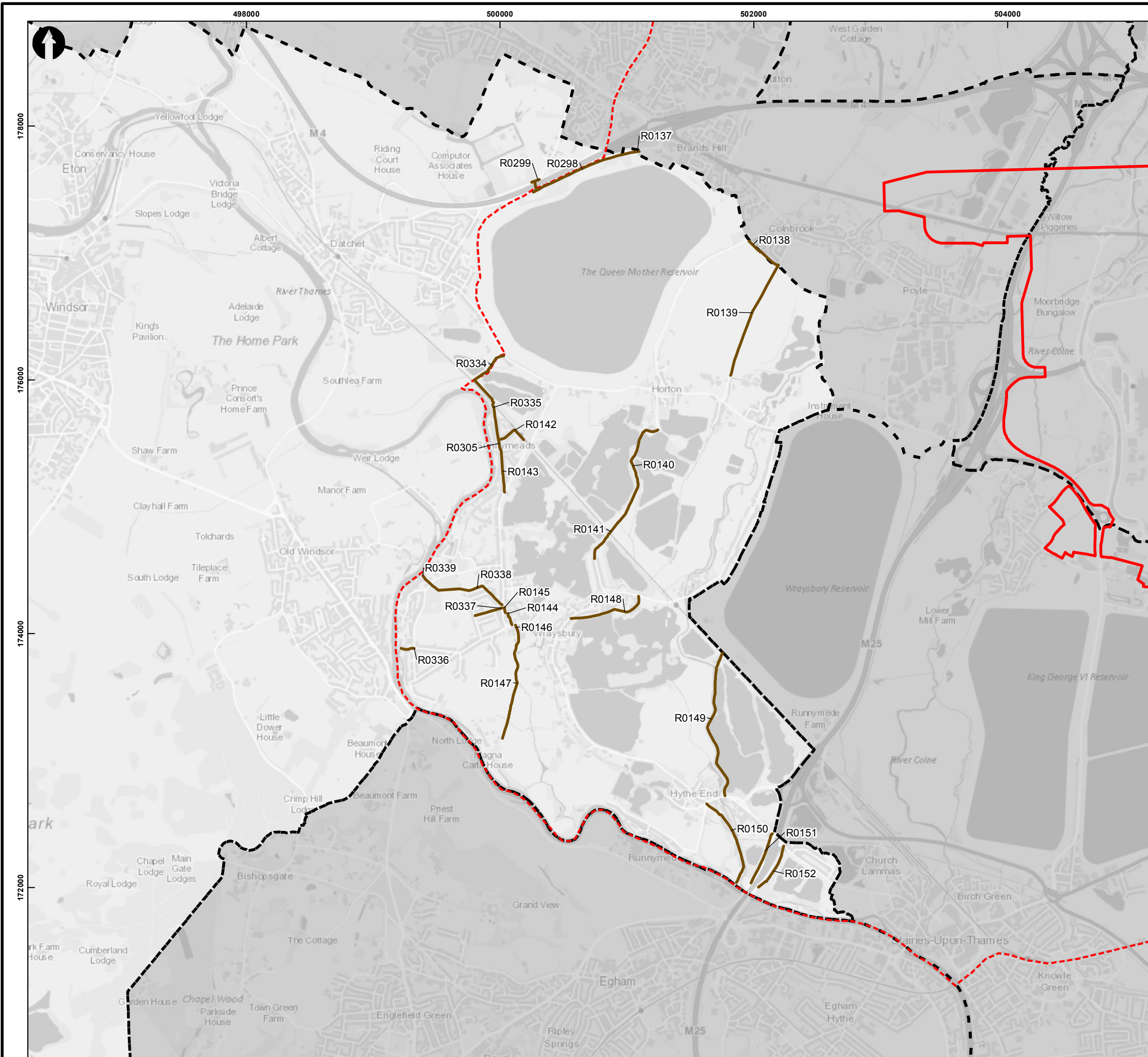
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Project Name Heathrow Expansion Project		Heathrow Project No.

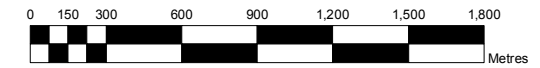
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 Figure 2.16: PRowS identified within the Recreation & Amenity Impact Assessment Study Area within the Borough of Spelthorne

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon498.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Local Authority boundaries
- Public Rights of Way



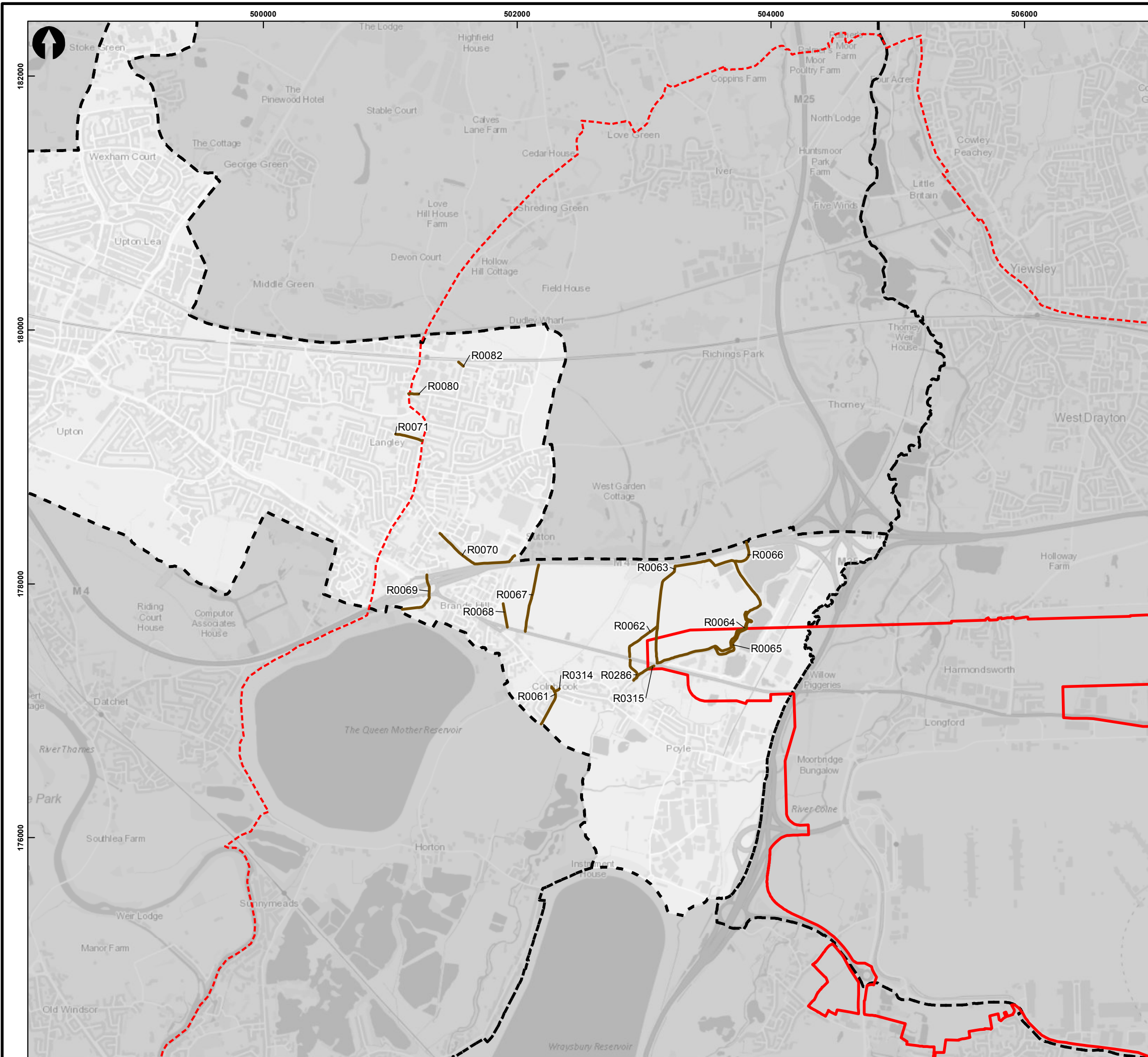
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Project Name Heathrow Expansion Project		Heathrow Project No.

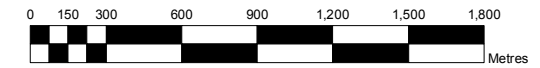
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 Figure 2.17: PRoWs identified within the Recreation & Amenity Impact Assessment Study Area within the Royal Borough of Windsor and Maidenhead

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Local Authority boundaries
- Public Rights of Way





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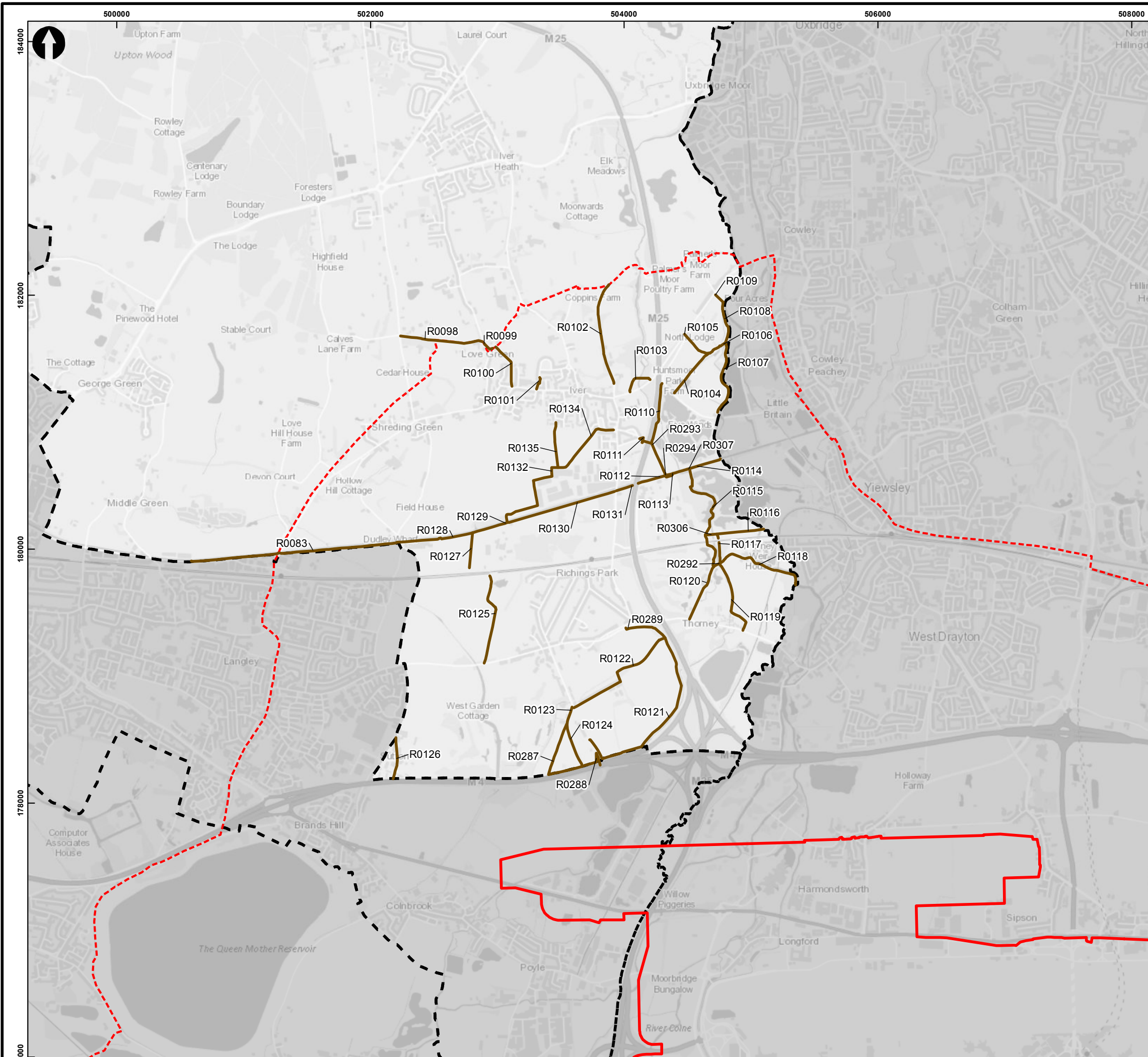
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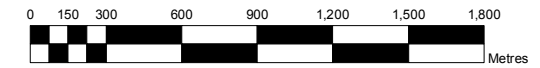
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Figure 2.18: PRowS identified within the Recreation & Amenity Impact Assessment Study Area within the Borough of Slough

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon500.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Local Authority boundaries
- Public Rights of Way





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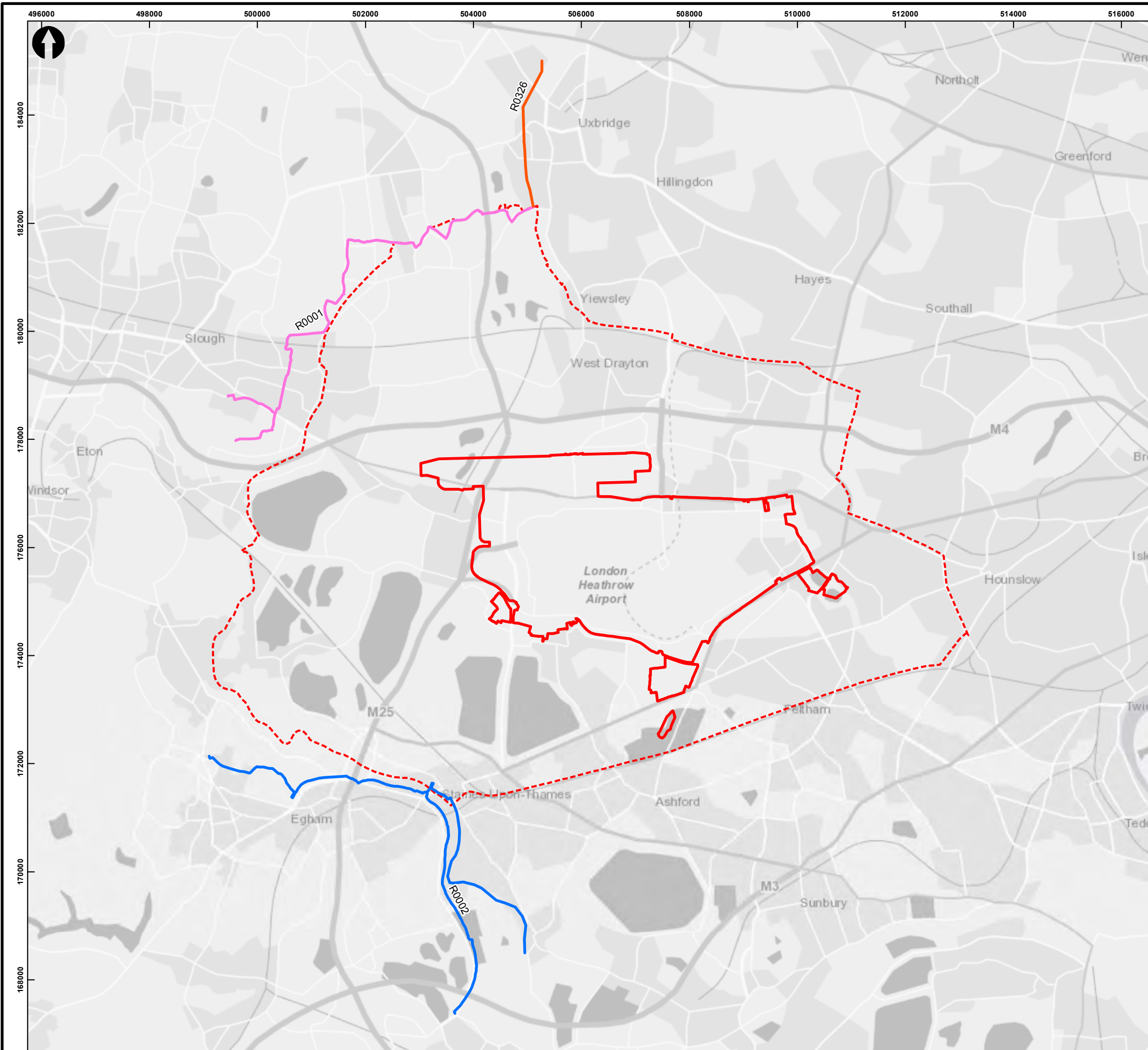
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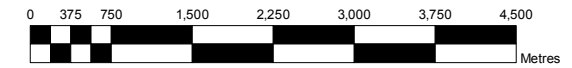
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 Figure 2.19: PRoWs identified within the Recreation & Amenity Impact Assessment Study Area within South Bucks District

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon501.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Sustrans National Cycle Routes**
- National Route 4
- National Route 6
- National Route 61



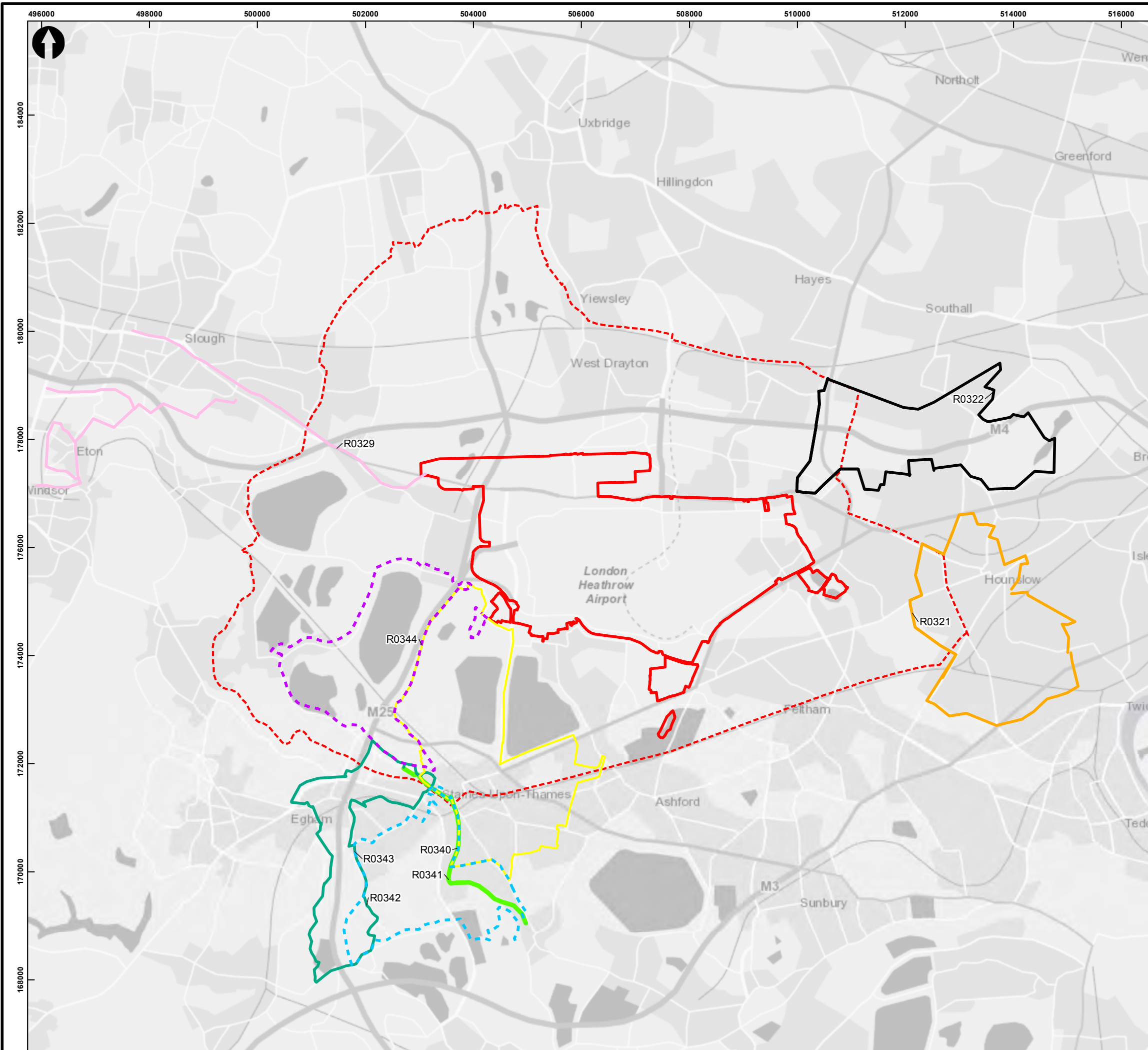
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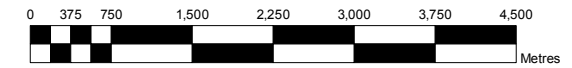
Figure 2.20: Sustrans National Cycle Routes identified within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon502.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- Recreation and Amenity Impact Assessment Study Area
- Locally Promoted Routes**
- Cranford and Heston ride
- Hounslow Park ride
- Spelthorne Route 1 Ashford to Staines upon Thames
- Spelthorne Route 4
- Spelthorne Route 5 Staines upon Thames to Thorpe
- Spelthorne Route 6 Laleham to Chertsey
- Spelthorne Route 8 Stanwell Moor to Wraysbury to Staines upon Thames
- The Jubilee River & Slough Linear park route



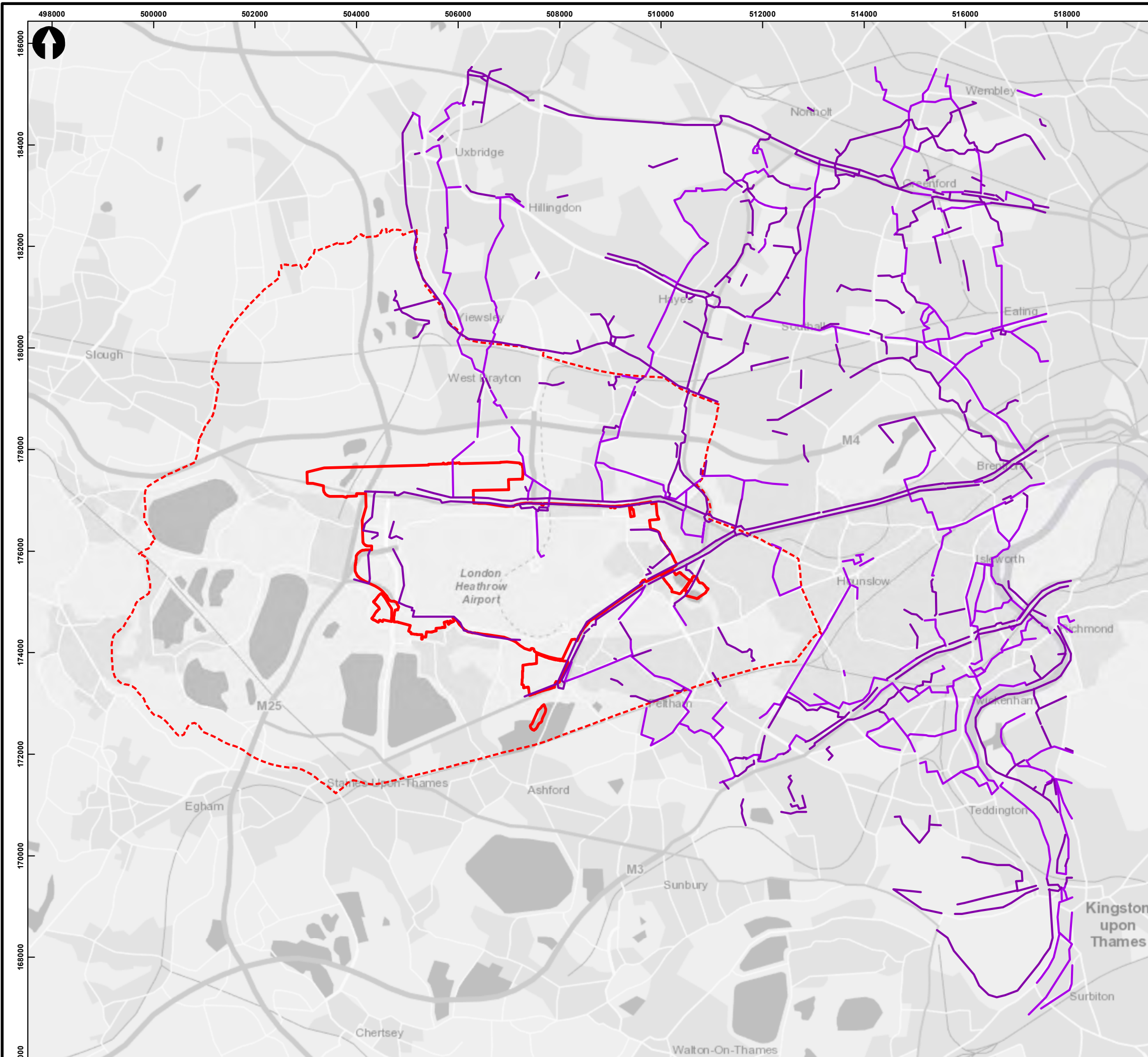
Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No.

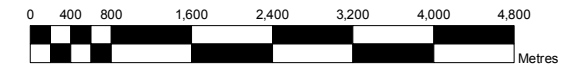
Figure 2.21: Locally Promoted Cycle Routes within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon503.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Transport for London Promoted Cycle Network Routes









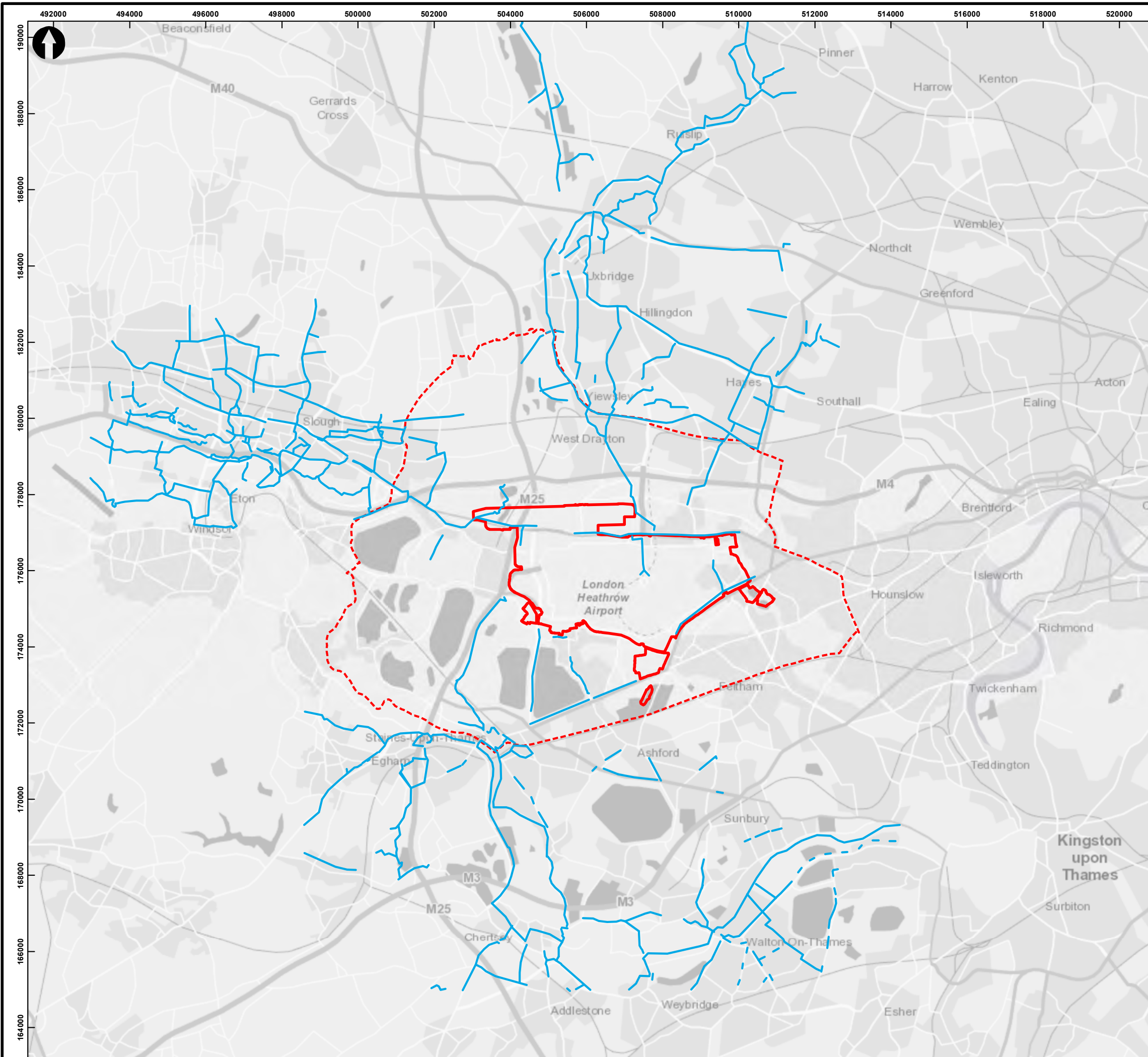

Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No.

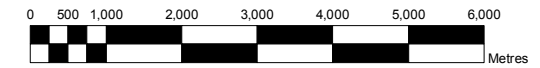
Title
Figure 2.22: Regionally Promoted Cycling Network within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon504.mxd				Version 1.0

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- Heathrow Expansion Boundary (AC v4.9)
- - - Recreation and Amenity Impact Assessment Study Area
- Local Cycle Network









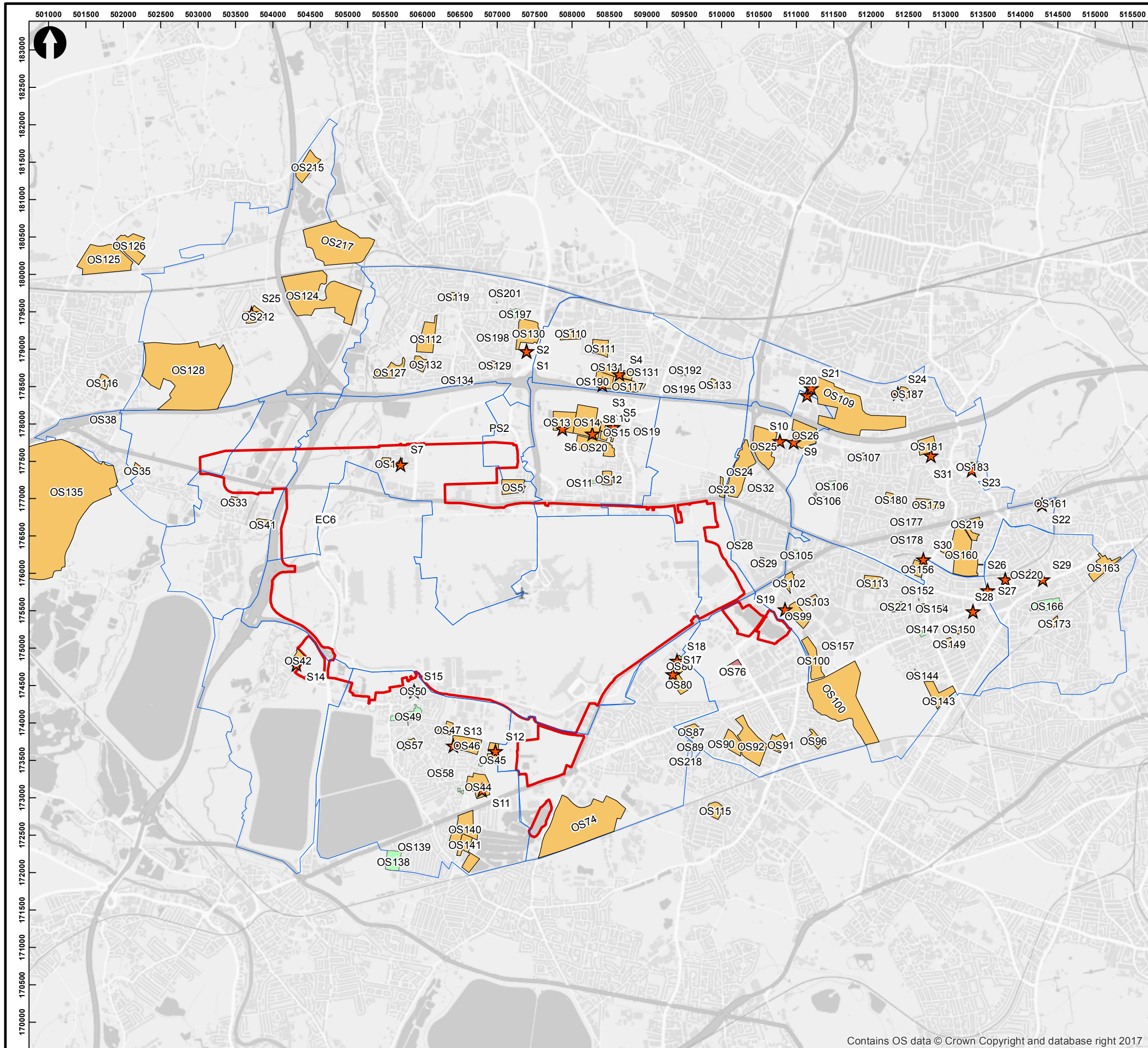

Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No.

Figure 2.23: Local Cycle Network within the Recreation & Amenity Impact Assessment Study Area

Principal Designer Amec Foster Wheeler	Drawn By GREES	Chk/Approved MURRC	Drawn/Date 06/03/2018	Status DRAFT
Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon505.mxd				Version 1.0

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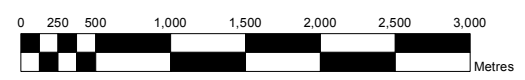
— Heathrow Expansion Boundary (AC v4.9)

□ Community Areas (Sports and Leisure Facilities Assessment Study Area)

Sports and leisure facilities

Type

- Outdoor Sport
- Play / MUGA
- Urban Farm
- ★ Sports Facilities



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Project Name Heathrow Expansion Project		Heathrow Project No. Text

Title

Figure 2.24: Sports and Leisure Facilities within the Recreation and Amenity Assessment

Principal Designer Quod	Drawn By KOS	Chk/Approved	Drawn/Date 08/03/2018	Status Draft
Project/Location-Level-Doc Type-System-Unique Identifier Open Space Quod List 070318.mxd				Version XX

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Appendix 9.2

People, place and community baseline

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report



1. INNER STUDY AREA

- 1.1.1 The inner study area consists of the 19 community study areas shown in Figure 9.1 of **Chapter 9: Community**. The community study areas are comprised of wards and output areas as set out in Table 9.2.1, using the lowest possible boundaries for which National Statistics (such as Census data) are available.
- 1.1.2 The inner study area has been drawn to encompass areas that may be directly affected and adjacent areas to which they have physical or functional connection. The individual community areas have been chosen based on an understanding of existing communities around Heathrow (in some cases using a best-fit to output area boundaries).
- 1.1.3 Where appropriate, the study area utilises physical break-lines such as the railway corridors. Elsewhere the boundary reflects existing networks of connectivity or potential opportunities for new linkages. The approach to the definition of the study area boundary was discussed and broadly agreed with the Heathrow Strategic Planning Group (HSPG) on 21 December 2017.

Table 9.2.1 Community (inner) study areas

Community Area	Local Planning Authority	Output Areas & Wards within area
Stanwell Moor	Spelthorne	Output areas: E00156776, E00156777, E00156778, E00156779, E00156780, E00156781, E00156782, E00156783, E00156784, E00156785, E00156786, E00156787, E00156788, E00156789, E00156790, E00156791, E00156792, E00156794, E00156798, E00156799, E00156800, E00156801
Hounslow (West and Heath)	Hounslow	Hounslow West ward, Hounslow Heath ward, and the following output areas: E00012859, E00012861, E00012863, E00012865, E00012866, E00012867, E00012868, E00012869, E00012870, E00012871, E00012872, E00012873, E00012874, E00012875, E00012876, E00012877, E00012878
Hounslow (Central and South)	Hounslow	Hounslow Central ward, Hounslow South ward
Heston	Hounslow	Heston Central ward, Heston East ward and the following output areas: E00013085, E00013086, E00013087, E00013088, E00013090, E00013092, E00013093, E00013094, E00013095, E00013096, E00013097, E00013098, E00013099, E00013100, E00013101, E00013102, E00013103, E00013104, E00013105, E00013106, E00013107, E00013108, E00013109, E00013110, E00013111, E00013113, E00013114, E00013115
Iver and Richings Park	South Bucks	Output Areas: E00089950, E00089956, E00089958, E00089959, E00089960, E00089961

Heathrow Expansion

People, place and community baseline



Community Area	Local Planning Authority	Output Areas & Wards within area
Feltham North	Hounslow	Feltham North ward
Sipson	Hillingdon	Output Areas: E00012175, E00012183, E00012191
Colnbrook	Slough	Output Areas: E00083215, E00083216, E00083221, E00083223, E00083224, E00083226
Harlington	Hillingdon	Output Areas: E00012176, E00012177, E00012178, E00012180, E00012182, E00012186, E00012187, E00012189, E00012190, E00012192, E00012194, E00012195, E00012197, E00012199
Cranford	Hounslow	Output Areas: E00012858, E00012860, E00012862, E00012864, E00012879, E00012880, E00012881, E00012882, E00012883, E00012884, E00012885, E00012886, E00012887, E00012888, E00013089, E00013091, E00013112
Stanwell	Spelthorne	Output Areas: E00156776, E00156777, E00156778, E00156779, E00156780, E00156781, E00156782, E00156783, E00156784, E00156785, E00156786, E00156787, E00156788, E00156789, E00156790, E00156791, E00156792, E00156794, E00156798, E00156799, E00156800, E00156801,
Bedfont	Hounslow	Bedfont ward
Hayes	Hillingdon	Pinkwell ward
Poyle	Slough	Output Areas: E00083225, E00083227, E00083228, E00083229, E00083230
Cranford Cross	Hillingdon	Output Areas: E00012193, E00012196, E00012200, E00012201
Harmondsworth	Hillingdon	Output Areas: E00012181, E00012184, E00012185, E00012188, E00012198
Brands Hill	Slough	Output Areas: E00083214, E00083217, E00083218, E00083219, E00083220, E00083222, E00083231
West Drayton	LB Hillingdon	West Drayton ward and the following output areas: E00012174, E00012203, E00012204, E00012205, E00012206, E00012207, E00012208
Longford	LB Hillingdon	Output Areas: E00012179, E00012202

- 1.1.4 Demographic, housing and economic baseline data for each community study area is set out in turn within each community study area section (Sections 1.1-1.19), and presented alongside the data averages for the inner study area, and London and the South East for comparison purposes. The metrics and source presented for the demographic, housing and economic baseline are set out respectively in Table 9.2.2, Table 9.2.3 and Table 9.2.4.

Heathrow Expansion

People, place and community baseline



Table 9.2.2 Inner study area demographic baseline data sources

Measure	Source	Year	Spatial Level
Total Population	Census	2011	Community Area, inner study area, and London and the South East
Population Growth (2001-2011)		2001 and 2011	
Age Profile		2011	
Gender			
Self-Identified Ethnicity			
Main Language			
Religion			
Self-Reported Health			
Disability and Long-Term Health Problems			

Table 9.2.3 Inner study area housing baseline data sources

Measure	Source	Year	Spatial Level
Total Number of Households	Census	2011	Community Area, inner study area, and London and the South East
Accommodation Type			
Accommodation Tenure			
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
Household Composition			

Table 9.2.4 Wider study area economic baseline data sources

Measure	Source	Year	Spatial Level
Total Number of Working Age Residents	Census	2011	Community Area, inner study area, and London and the South East
Economic Activity			
Highest Level of Qualification			
Occupation			
Car or Van Availability			

- 1.1.5 As community facilities are geographically specific, these are listed within each community section based on the area they fall within. An overview of all community facilities within the study areas is shown in Figures 9.2.1-9.2.5.



1.2 Harmondsworth

Table 9.2.5 Harmondsworth demographic baseline data

Measure	Harmondsworth	Inner study area	London and the South East
Population			
Total Population	1,850	193,000	16,800,000
Population Growth (2001-2011)	50 (2%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	350 (19%)	41,000 (21%)	3,270,000 (19%)
16-74	1,400 (75%)	143,000 (74%)	12,400,000 (74%)
75+	100 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	950 (51%)	98,200 (51%)	8,270,000 (49%)
Female	900 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,110 (60%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	100 (5%)	6,800 (4%)	573,000 (3%)
Asian/Asian British	490 (27%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	90 (5%)	13,000 (7%)	1,220,000 (7%)
Other	60 (3%)	7,000 (4%)	332,000 (2%)
Main Language			
English	1,430 (80%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	980 (53%)	74,100 (38%)	9,120,000 (54%)
No Religion	310 (17%)	22,900 (12%)	4,080,000 (24%)
Sikh	200 (11%)	26,000 (13%)	181,000 (1%)
Muslim	150 (8%)	30,500 (16%)	1,210,000 (7%)
Self-Reported Health			
Good Health	1,550 (84%)	161,000 (83%)	14,100,000 (84%)
Fair Health	220 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	80 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	260 (14%)	27,600 (14%)	2,510,000 (15%)

Heathrow Expansion

People, place and community baseline



Table 9.2.6 Harmondsworth housing baseline data

Measure	Harmondsworth	Inner study area	London and the South East
Households			
Total Number of Households	650	67,300	6,820,000
Accommodation Type			
House	590 (84%)	46,300 (67%)	4,510,000 (64%)
Flats	110 (16%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	370 (57%)	35,300 (52%)	3,980,000 (58%)
Social Rented	110 (16%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	160 (25%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	5 (2%)	1,560 (2%)	81,400 (1%)
Living Rent Free	10 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	80 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	20 (6%)	3,260 (9%)	126,000 (3%)
Privately Rented	40 (22%)	4,340 (26%)	197,000 (13%)
Social Rented	20 (15%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	160 (25%)	15,800 (23%)	2,050,000 (30%)
One Family	370 (56%)	39,500 (59%)	4,020,000 (59%)
Other	120 (19%)	12,000 (18%)	750,000 (11%)

Table 9.2.7 Harmondsworth economic baseline data

Measure	Harmondsworth	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,400	143,000	12,400,000
Economic Activity			
Economically Active	1,040 (75%)	103,000 (72%)	8,910,000 (72%)
Unemployed	60 (5%)	7,060 (7%)	535,000 (6%)

Heathrow Expansion

People, place and community baseline



Measure	Harmondsworth	Inner study area	London and the South East
Highest Level of Qualification			
No Formal Qualifications	310 (21%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	650 (43%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	320 (21%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	230 (15%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	250 (25%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	310 (32%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	420 (43%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	520 (80%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	130 (20%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.8 Harmondsworth community facilities data

Map ref.	Name	Description of facility
PS1	Harmondsworth Primary School	Mixed 1FE primary school with approximately 189 students on roll
PW1	St Mary's Church, Harmondsworth	Medieval Church of England parish church with churchyard (OS3) and church hall (C6)
PW2	Harmondsworth Baptist Church	Small Baptist chapel on Harmondsworth High Street
N1	Wonderland Day Nursery	Nursery located in Harmondsworth Community Hall (C1)
N2	Heathrow Day Nursery	Nursery located on Harmondsworth High Street
C1	Harmondsworth Community Hall	Small community hall located next to Harmondsworth Primary School, for hire and used by Wonderland Day Nursery (N1)
C6	St Mary's Church Hall	Hall connected to St Mary's Church and used by church groups
C30	Harmondsworth Scout Hut	Scout hall used by 1st Harmondsworth Scout Group
OS1	Harmondsworth Recreation Ground	Local park with tennis courts, playground and grass areas used for football and informal recreation
OS2	Harmondsworth Village Green	Small village green triangle

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS4	Pinglestone Close Allotments	Public, council-owned allotments
OS8	Moor Lane Allotments	Public, council-owned allotments in Harmondsworth Moor
OS9	Colne Valley Regional Park – Harmondsworth Moor	Section of Colne Valley Regional Park comprising Harmondsworth Moor
LB1	Ansell Garden Centre	Local community-facing business on Holloway Lane, includes community café and garden centre
LB2	Harmondsworth Village Stores	Local newsagent and shop
LB3	Gable Stores/Post Office	Post office branch and newsagent
LB5	Shell	Service station on Holloway Lane
P1	The Crown	Pub on Harmondsworth High Street
P2	The Five Bells	Pub on Harmondsworth High Street

1.3 Sipson

Table 9.2.9 Sipson demographic baseline data

Measure	Sipson	Inner study area	London and the South East
Population			
Total Population	970	193,000	16,800,000
Population Growth (2001-2011)	90 (11%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	220 (23%)	41,000 (21%)	3,270,000 (19%)
16-74	700 (72%)	143,000 (74%)	12,400,000 (74%)
75+	50 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	520 (54%)	98,200 (51%)	8,270,000 (49%)
Female	450 (46%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	600 (62%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	40 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	240 (25%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	60 (6%)	13,000 (7%)	1,220,000 (7%)
Other	30 (3%)	7,010 (4%)	332,000 (2%)

Heathrow Expansion

People, place and community baseline



Measure	Sipson	Inner study area	London and the South East
Main Language			
English	710 (78%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	490 (50%)	74,100 (38%)	9,120,000 (54%)
No Religion	170 (17%)	22,900 (12%)	4,080,000 (24%)
Muslim	150 (15%)	30,500 (16%)	1,210,000 (7%)
Sikh	50 (5%)	26,000 (13%)	181,000 (1%)
Self-Reported Health			
Good Health	820 (84%)	161,000 (83%)	14,100,000 (84%)
Fair Health	120 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	40 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	110 (11%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.10 Sipson housing baseline data

Measure	Sipson	Inner study area	London and the South East
Households			
Total Number of Households	360	67,300	6,820,000
Accommodation Type			
House	340 (88%)	46,300 (67%)	4,510,000 (64%)
Flats	40 (11%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	170 (47%)	35,300 (52%)	3,980,000 (58%)
Social Rented	40 (12%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	140 (39%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	2 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	5 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	40 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	7 (4%)	3,260 (9%)	126,000 (3%)
Privately Rented	30 (18%)	4,340 (26%)	197,000 (13%)

Heathrow Expansion

People, place and community baseline



Measure	Sipson	Inner study area	London and the South East
Social Rented	8 (19%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	90 (26%)	15,800 (23%)	2,050,000 (30%)
One Family	220 (60%)	39,500 (59%)	4,020,000 (59%)
Other	50 (14%)	12,000 (18%)	750,000 (11%)

Table 9.2.11 Sipson economic baseline data

Measure	Sipson	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	700	143,000	12,400,000
Economic Activity			
Economically Active	550 (78%)	103,000 (72%)	8,910,000 (72%)
Unemployed	40 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	140 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	330 (45%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	190 (26%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	90 (11%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	140 (29%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	150 (31%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	200 (41%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	280 (78%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	80 (22%)	18,900 (28%)	2,020,000 (30%)



Table 9.2.12 Sipson community facilities data

Map ref.	Name	Description of facility
PS2	Heathrow Primary School	Mixed 2FE primary school with 399 pupils currently on roll. Includes school pitch and tennis court.
IS2	Lady Nafisa Independent Secondary School for Girls	Independent school
PW6	Sipson Christian Fellowship	Small Baptist/evangelical Christian chapel, mostly used as housing
C2	Sipson Community Centre	Community centre run by Sipson Community Association, at Sipson Recreation Ground
OS5	Sipson Recreation Ground	Open space with tennis courts, playing fields, playground
OS7	Grow Heathrow	Site formerly squatted and used as community garden by protest group, now vacant
LB4	Sipson Post Office	Post office branch
P3	The King William IV	Pub on Sipson Road
P4	The Plough	Pub on Sipson Road

1.4 Longford

- 1.4.1 The Longford Community Area covers two output areas (E00012179, E00012202). Output Area E00012179 contains the Colnbrook/Harmondsworth Immigration Removal Centre; to avoid this facility skewing demographic, housing and economic for normal residents, only Census data from Output Area E00012202 has been reported for the Longford tables only. Data for the inner study area as a whole is not affected.

Table 9.2.13 Longford demographic baseline data

Measure	Longford	Inner study area	London and the South East
Population			
Total Population	250	193,000	16,800,000
Population Growth (2001-2011)	20 (6%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	30 (10%)	41,000 (21%)	3,270,000 (19%)
16-74	210 (86%)	143,000 (74%)	12,400,000 (74%)
75+	9 (4%)	9,440 (5%)	1,150,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Longford	Inner study area	London and the South East
Gender			
Male	140 (57%)	98,200 (51%)	8,270,000 (49%)
Female	110 (43%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	180 (72%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	7 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	40 (16%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	10 (5%)	13,000 (7%)	1,220,000 (7%)
Other	10 (4%)	7,010 (4%)	332,000 (2%)
Main Language			
English	190 (81%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	160 (63%)	74,100 (38%)	9,120,000 (54%)
No Religion	30 (13%)	22,900 (12%)	4,080,000 (24%)
Muslim	10 (6%)	30,500 (16%)	1,210,000 (7%)
Hindu	10 (5%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	220 (90%)	161,000 (83%)	14,100,000 (84%)
Fair Health	20 (9%)	23,200 (12%)	1,950,000 (12%)
Bad Health	3 (1%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	20 (8%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.14 Longford housing baseline data

Measure	Longford	Inner study area	London and the South East
Households			
Total Number of Households	130	67,300	6,820,000
Accommodation Type			
House	80 (53%)	46,300 (67%)	4,510,000 (64%)
Flats	70 (47%)	22,700 (33%)	2,560,000 (36%)

Heathrow Expansion

People, place and community baseline



Measure	Longford	Inner study area	London and the South East
Accommodation Tenure			
Owner-Occupied	60 (47%)	35,300 (52%)	3,980,000 (58%)
Social Rented	4 (3%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	60 (48%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	0 (0%)	1,560 (2%)	81,400 (1%)
Living Rent Free	3 (2%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	10 (9%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	2 (3%)	3,260 (9%)	126,000 (3%)
Privately Rented	10 (15%)	4,340 (26%)	197,000 (13%)
Social Rented	0 (0%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	60 (45%)	15,800 (23%)	2,050,000 (30%)
One Family	60 (42%)	39,500 (59%)	4,020,000 (59%)
Other	20 (12%)	12,000 (18%)	750,000 (11%)

Table 9.2.15 Longford economic baseline data

Measure	Longford	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	210	143,000	12,400,000
Economic Activity			
Economically Active	180 (82%)	103,000 (72%)	8,910,000 (72%)
Unemployed	9 (5%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	30 (15%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	80 (38%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	80 (35%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	30 (13%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	60 (36%)	31,000 (33%)	3,920,000 (47%)

Heathrow Expansion

People, place and community baseline



Measure	Longford	Inner study area	London and the South East
Admin / Skilled Trades / Services	40 (24%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	70 (39%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	100 (78%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	30 (22%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.16 Longford community facilities data

Map Ref.	Name	Description of Facility
N3	Littlebrook Nursery	Nursery on Bath Road, Longford
EC6	Heathrow Special Needs Centre	Special needs centre and urban farm, providing animal husbandry lessons for special needs children
OS6	Heathrow Biodiversity Site – Peggy Bedford	Publicly accessible biodiversity site
OS235	Heathrow Close Playground	Children's playground
P5	The White Horse	Pub in Longford village
P6	The King's Arms	Pub in Longford village

1.5 Harlington

Table 9.2.17 Harlington demographic baseline data

Measure	Harlington	Inner study area	London and the South East
Population			
Total Population	4,670	193,000	16,800,000
Population Growth (2001-2011)	90 (11%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	870 (19%)	41,000 (21%)	3,270,000 (19%)
16-74	3,620 (78%)	143,000 (74%)	12,400,000 (74%)
75+	180 (4%)	9,440 (5%)	1,150,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Harlington	Inner study area	London and the South East
Gender			
Male	2,430 (52%)	98,200 (51%)	8,270,000 (49%)
Female	2,240 (48%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	2,140 (46%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	220 (5%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	1,730 (37%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	380 (8%)	13,000 (7%)	1,220,000 (7%)
Other	190 (4%)	7,010 (4%)	332,000 (2%)
Main Language			
English	2,810 (64%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	2,080 (44%)	74,100 (38%)	9,120,000 (54%)
Muslim	700 (15%)	30,500 (16%)	1,210,000 (7%)
No Religion	520 (11%)	22,900 (12%)	4,080,000 (24%)
Hindu	470 (10%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	4,020 (86%)	161,000 (83%)	14,100,000 (84%)
Fair Health	460 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	190 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	540 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.18 Harlington housing baseline data

Measure	Harlington	Inner study area	London and the South East
Households			
Total Number of Households	1,860	67,300	6,820,000
Accommodation Type			
House	920 (47%)	46,300 (67%)	4,510,000 (64%)
Flats	1,020 (52%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			

Heathrow Expansion

People, place and community baseline



Measure	Harlington	Inner study area	London and the South East
Owner-Occupied	870 (47%)	35,300 (52%)	3,980,000 (58%)
Social Rented	200 (11%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	750 (40%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	10 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	20 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	290 (16%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	80 (9%)	3,260 (9%)	126,000 (3%)
Privately Rented	180 (23%)	4,340 (26%)	197,000 (13%)
Social Rented	30 (15%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	560 (30%)	15,800 (23%)	2,050,000 (30%)
One Family	960 (52%)	39,500 (59%)	4,020,000 (59%)
Other	340 (18%)	12,000 (18%)	750,000 (11%)

Table 9.2.19 Harlington economic baseline data

Measure	Harlington	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	3,620	143,000	12,400,000
Economic Activity			
Economically Active	2,780 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	180 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	670 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	1,420 (37%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	990 (26%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	720 (19%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	680 (27%)	31,000 (33%)	3,920,000 (47%)

Heathrow Expansion

People, place and community baseline



Measure	Harlington	Inner study area	London and the South East
Admin / Skilled Trades / Services	770 (30%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	1,120 (43%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	1,230 (66%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	630 (34%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.20 Harlington community facilities data

Map ref.	Name	Description of facility
PS4	William Byrd Primary School	Mixed 3FE junior school with 591 pupils on roll; includes some nursery provision
N5	Littlebrook Nursery, Sipson	Nursery on Sipson Road
SC2	Harlington Hospice	Hospice in Harlington providing range of care and end of life services including outreach service
GP1	Glendale Medical Centre	GP surgery, Harlington High Street
GP2	Heathrow Medical Centre	GP surgery, Harlington High Street
D2	The Village Dental Care	Dentist surgery, Harlington High Street
PW4	Harlington Baptist Church	Baptist church with church hall (C10), Harlington High Street
PW5	St Peter and St Paul Church	Medieval Church of England parish church with churchyard and church hall
PW7	Sant Nirankari Mandal - International Nirankari Bhaven	Building on Sipson Lane owned by branch of spiritual movement based in India
C12	St Peter and St Paul Church Hall	Church hall owned by St Peter and St Paul church
C13	Harlington Scouts Hall	Hall owned by Harlington Scouts
LB9	Harlington Locomotive Society Miniature Railway	Local community business
LB12	Harlington Post Office	Post office branch
LB20	Harlington Hospice Charity Shop	Community business supporting Harlington Hospice
S5	William Byrd Pool	Public swimming pool used by schools, clubs and general public
S6/OS13	Little Harlington Playing Fields	Grass football and cricket pitches/playing fields with changing rooms and café

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
S8/OS14	Imperial College Sports Grounds	Sports fields owned by Imperial College London including grass pitches, artificial pitches and sports centre with changing rooms
PH3	The Village Pharmacy	Pharmacy on Harlington High Street
P11	The Pheasant Inn	Pub in Harlington village
P12	The Three Magpies	Pub on Bath Road
P13	The Wheatsheaf	Pub in Harlington village
P14	The White Hart	Pub in Harlington village
OS10	Harlington open space	Open space with public right of way
OS11	Browngraves Green	Public green with playground
OS12	Harlington School Grounds	Playing fields owned by Harlington school (no longer in use)
OS15	Sipson Meadow	Open space with playground
OS16	William Byrd Grounds	School grounds with playing field
OS17	Victoria Lane Burial Ground	Public cemetery
OS18	St Peter and St Paul's Churchyard	Churchyard connected to St Peter and St Paul's Church
OS19	Brickfield Lane Playground	Playground
OS20	Imperial College Sports Ground	Sports pitches owned by Imperial College London

1.6 West Drayton

Table 9.2.21 West Drayton demographic baseline data

Measure	West Drayton	Inner study area	London and the South East
Population			
Total Population	16,700	193,000	16,800,000
Population Growth (2001-2011)	3,030 (22%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	3,970 (24%)	41,000 (21%)	3,270,000 (19%)
16-74	11,800 (70%)	143,000 (74%)	12,400,000 (74%)
75+	980 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	8,180 (49%)	98,200 (51%)	8,270,000 (49%)

Heathrow Expansion

People, place and community baseline



Measure	West Drayton	Inner study area	London and the South East
Female	8,560 (51%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	10,980 (66%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	450 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	3,170 (19%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	1,390 (8%)	13,000 (7%)	1,220,000 (7%)
Other	450 (3%)	7,010 (4%)	332,000 (2%)
Main Language			
English	13,100 (83%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	8,640 (52%)	74,100 (38%)	9,120,000 (54%)
No Religion	3,560 (21%)	22,900 (12%)	4,080,000 (24%)
Muslim	1,740 (10%)	30,500 (16%)	1,210,000 (7%)
Hindu	760 (5%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	13,850 (83%)	161,000 (83%)	14,100,000 (84%)
Fair Health	2,040 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	850 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	2,610 (16%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.22 West Drayton housing baseline data

Measure	West Drayton	Inner study area	London and the South East
Households			
Total Number of Households	6,190	67,300	6,820,000
Accommodation Type			
House	4,350 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	2,030 (32%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	3,160 (51%)	35,300 (52%)	3,980,000 (58%)

Heathrow Expansion

People, place and community baseline



Measure	West Drayton	Inner study area	London and the South East
Social Rented	1,700 (27%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	1,110 (18%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	160 (3%)	1,560 (2%)	81,400 (1%)
Living Rent Free	60 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	710 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	190 (6%)	3,260 (9%)	126,000 (3%)
Privately Rented	210 (13%)	4,340 (26%)	197,000 (13%)
Social Rented	320 (14%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,520 (25%)	15,800 (23%)	2,050,000 (30%)
One Family	3,890 (63%)	39,500 (59%)	4,020,000 (59%)
Other	780 (13%)	12,000 (18%)	750,000 (11%)

Table 9.2.23 West Drayton economic baseline data

Measure	West Drayton	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	11,800	143,000	12,400,000
Economic Activity			
Economically Active	8,400 (71%)	103,000 (72%)	8,910,000 (72%)
Unemployed	620 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	3,150 (25%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	5,420 (42%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	2,970 (23%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,230 (10%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	2,570 (34%)	31,000 (33%)	3,920,000 (47%)

Heathrow Expansion

People, place and community baseline



Measure	West Drayton	Inner study area	London and the South East
Admin / Skilled Trades / Services	2,720 (36%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,370 (31%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	4,510 (73%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,680 (27%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.24 West Drayton community facilities data

Map ref.	Name	Description of facility
PS3	West Drayton Primary School	State-funded primary school
PS5	St Catherine Catholic Primary School	State-funded primary school
PS6	Cherry Lane Primary School	State-funded primary school
PS8	Laurel Lane Primary School	State-funded primary school
PS9	St Martin's Church of England Primary School	State-funded primary school
EC1	Cherry Lane Children's Centre	Children's centre, with play, outreach and general children's services
EC2	West Drayton Library	Library
EC7	Abacus Childrens Centre	Children's centre
EC8	West Drayton Youth Centre	Youth Centre
EC24	Southlands Arts Centre	Public arts centre with exhibition space and classes
N20	Happy Tree Nursery	Nursery
SC7	Drayton Village Care Centre	Residential care centre for the elderly
SC8	Franklin House Care Home	Residential care centre for the elderly
SC9	The Burroughs Care Home	Residential care centre for the elderly
SC10	Hatton Grove Residential Care Homes	Residential care for adults with learning disabilities
C35	West Drayton Scout Hall	Small scout hall
C3	The Meadows Community Centre	Community centre with hall for hire

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
C4	Yiewsley & West Drayton Community Centre	Community centre with hall for hire
C5	Drayton Garden Village Hall	Village hall for hire
C35	West Drayton Scout Hall	Scout club hall
LB6	Laurel Lane Post Office	Post office
LB7	West Drayton Post Office	Post office
PW54	St Catherine RC Church	Catholic church
PW55	West Drayton Baptist Church	Baptist church
PW48	Bell Farm Church	Evangelical Protestant church
PW50	St Martins Church West Drayton	Church of England church
GP4	The Medical Centre	GP practice
D1	Mydentist	Dental surgery
PH4	Orchard Pharmacy	Pharmacy
PH5	Carewell Chemists	Pharmacy
PH6	Winchester Pharmacy	Pharmacy
PH7	Boots (West Drayton)	Pharmacy
S1	Spirit Health And Fitness	Indoor gym
S2	Heathpark Golf Club	Small golf course adjacent to A408
OS112	The Closes	Open, green space
OS119	West Drayton Primary School playing fields	School playing fields
OS9	Colne Valley Regional Park	Harmondsworth Moor (north of M4)
OS123	West Drayton Depot Allotments	Council-owned allotments
OS197	Stockley Recreation Ground	Open, green space
OS198	Bell Farm Green	Open, green space
OS199	Beech Close Green	Open, green space
SO200	Autumn Green	Open, green space
OS127	Townmead Recreation Ground	Open, green space
OS201	Evergreen Drive Playground	Children's playground

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS202	Spring Green	Open, green space
OS203	Parklodge Avenue courtyards	Council-owned allotments
OS129	Cherry Lane Primary School playing fields	School playing fields
OS204	Holly Gardens	Open, green space
OS130	Heath Park Golf Club	Golf course
OS205	Spring Promenade Playground	Children's playground
OS132	Longmead/St. Martin's Primary School playing fields	School playing fields
OS206	West Drayton Cemetery	Public cemetery
OS207	West Drayton Cemetery Allotments	Council-owned allotments
OS134	MUGA west of Milton Way	Paved mixed-use games area
OS208	Southland Arts Centre Gardens	Grounds and gardens at Southland Arts Centre
OS209	The Green	Open, green space
OS210	St Martin's Church	Churchyard
OS211	Fray's Island Nature Reserve	Lake, river and nature reserve, part of Colne Valley Regional Park

1.7 Hayes

Table 9.2.25 Hayes demographic baseline data

Measure	Hayes	Inner study area	London and the South East
Population			
Total Population	14,800	193,000	16,800,000
Population Growth (2001-2011)	2,420 (20%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	3,890 (26%)	41,000 (21%)	3,270,000 (19%)
16-74	10,300 (70%)	143,000 (74%)	12,400,000 (74%)
75+	550 (4%)	9,440 (5%)	1,150,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Hayes	Inner study area	London and the South East
Gender			
Male	7,420 (50%)	98,200 (51%)	8,270,000 (49%)
Female	7,350 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	4,700 (32%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	560 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	7,030 (48%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	1,810 (12%)	13,000 (7%)	1,220,000 (7%)
Other	680 (5%)	7,010 (4%)	332,000 (2%)
Main Language			
English	9,290 (67%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	4,560 (31%)	74,100 (38%)	9,120,000 (54%)
Sikh	3,170 (21%)	26,000 (13%)	181,000 (1%)
Muslim	3,030 (20%)	30,500 (16%)	1,210,000 (7%)
Hindu	1,600 (11%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	12,400 (84%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,710 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	660 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,940 (13%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.26 Hayes housing baseline data

Measure	Hayes	Inner study area	London and the South East
Households			
Total Number of Households	4,650	67,300	6,820,000
Accommodation Type			
House	3,830 (81%)	46,300 (67%)	4,510,000 (64%)
Flats	910 (19%)	22,700 (33%)	2,560,000 (36%)

Heathrow Expansion

People, place and community baseline



Measure	Hayes	Inner study area	London and the South East
Accommodation Tenure			
Owner-Occupied	2,680 (58%)	35,300 (52%)	3,980,000 (58%)
Social Rented	950 (20%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	920 (20%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	20 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	40 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	820 (18%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	310 (11%)	3,260 (9%)	126,000 (3%)
Privately Rented	290 (30%)	4,340 (26%)	197,000 (13%)
Social Rented	230 (24%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	840 (18%)	15,800 (23%)	2,050,000 (30%)
One Family	2,940 (63%)	39,500 (59%)	4,020,000 (59%)
Other	870 (19%)	12,000 (18%)	750,000 (11%)

Table 9.2.27 Hayes economic baseline data

Measure	Hayes	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	10,300	143,000	12,400,000
Economic Activity			
Economically Active	7,210 (70%)	103,000 (72%)	8,910,000 (72%)
Unemployed	550 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	2,390 (22%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	4,420 (41%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	2,480 (23%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,590 (15%)	22,400 (15%)	1,020,000 (8%)
Occupation			

Heathrow Expansion

People, place and community baseline



Measure	Hayes	Inner study area	London and the South East
Management / Professional / Technical	1,780 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,050 (31%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,700 (41%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	3,490 (75%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,150 (25%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.28 Hayes community facilities data

Map ref.	Name	Description of facility
SS1	Harlington School	State-funded secondary school
PS7	Cranford Park Academy	State-funded primary school
PS10	Pinkwell Primary School	State-funded primary school
EC3	Harlington Library	Library
EC4	Harlington Adult Learning Centre	Adult education centre
EC5	Pinkwell Children's Centre	Children's centre
C11	Harlington and Hayes Community Centre	Community centre with rooms for hire
C34	Wentworth Crescent Scout's Hall	Small hall used by local Scouts groups
C37	Crane Community Centre	Community hall
PW52	Christ Church Hayes	Church of England church
PW53	Life Oasis Centre	Evangelical Protestant church and centre
GP3	Shakespeare Medical Centre	GP surgery
GP31	Hayes Medical Centre	GP surgery
GP32	North Hyde Road Surgery	GP surgery
S3	Goals Soccer Centre (Heathrow)	Indoor and outdoor private football centre with pitches to hire
S4	Harlington Sports Centre	Sports centre owned by Harlington School, open to the public when not in school use
OS122	Bourne Farm Allotment	Council-owned allotments

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS21	Cranford Park	Part of Cranford Park north of M4
OS189	Cherry Lane Cemetery	Public cemetery
OS190	Goals Football Ground	Football pitches owned by Goals Soccer Centre
OS191	Station Road Allotments	Council-owned allotments
OS192	Lundy Drive MUGA	Mixed-use games area
OS110	Bourne Farm Recreation Ground	Open, green space
OS193	Lundy Drive Playground	Children's playground
OS111	Pinkwell Park	Open, green space
OS194	Hoskins Close Playground	Children's playground
OS195	Croyde Avenue Playground	Children's playground
OS196	Snowdon Crescent Green	Open, green space
OS131	Playing Fields W Pinkwell Primary, E Harlington Community School	School playing fields
OS117	Sam Philp Recreation Ground - The Moats	Open, green space
OS133	Cranford Park Primary School Playing Field	School playing fields

1.8 Cranford Cross

Table 9.2.29 Cranford Cross demographic baseline data

Measure	Cranford Cross	Inner study area	London and the South East
Population			
Total Population	1,630	193,000	16,800,000
Population Growth (2001-2011)	300 (22%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	360 (22%)	41,000 (21%)	3,270,000 (19%)
16-74	1,210 (74%)	143,000 (74%)	12,400,000 (74%)
75+	60 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	830 (51%)	98,200 (51%)	8,270,000 (49%)

Heathrow Expansion

People, place and community baseline



Measure	Cranford Cross	Inner study area	London and the South East
Female	800 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	490 (30%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	60 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	890 (54%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	90 (5%)	13,000 (7%)	1,220,000 (7%)
Other	100 (6%)	7,010 (4%)	332,000 (2%)
Main Language			
English	890 (59%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	540 (33%)	74,100 (38%)	9,120,000 (54%)
Muslim	320 (20%)	30,500 (16%)	1,210,000 (7%)
Sikh	310 (19%)	26,000 (13%)	181,000 (1%)
Hindu	230 (14%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	1,390 (85%)	161,000 (83%)	14,100,000 (84%)
Fair Health	180 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	60 (3%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	160 (10%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.30 Cranford Cross housing baseline data

Measure	Cranford Cross	Inner study area	London and the South East
Households			
Total Number of Households	550	67,300	6,820,000
Accommodation Type			
House	420 (76%)	46,300 (67%)	4,510,000 (64%)
Flats	130 (24%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	310 (57%)	35,300 (52%)	3,980,000 (58%)

Heathrow Expansion

People, place and community baseline



Measure	Cranford Cross	Inner study area	London and the South East
Social Rented	20 (3%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	210 (38%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	2 (0%)	1,560 (2%)	81,400 (1%)
Living Rent Free	6 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	110 (19%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	30 (10%)	3,260 (9%)	126,000 (3%)
Privately Rented	70 (32%)	4,340 (26%)	197,000 (13%)
Social Rented	5 (26%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	110 (20%)	15,800 (23%)	2,050,000 (30%)
One Family	330 (61%)	39,500 (59%)	4,020,000 (59%)
Other	110 (19%)	12,000 (18%)	750,000 (11%)

Table 9.2.31 Cranford Cross economic baseline data

Measure	Cranford Cross	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,210	143,000	12,400,000
Economic Activity			
Economically Active	930 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	60 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	160 (13%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	450 (35%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	380 (30%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	280 (22%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	240 (28%)	31,000 (33%)	3,920,000 (47%)

Heathrow Expansion

People, place and community baseline



Measure	Cranford Cross	Inner study area	London and the South East
Admin / Skilled Trades / Services	260 (31%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	350 (41%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	410 (76%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	130 (24%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.32 Cranford Cross community facilities data

Map Ref.	Name	Description of Facility
PW11	St. Dunstan's Church	Medieval parish church and churchyard in Cranford park
OS21	Cranford Park	Parkland and woodland
OS22	Crane Meadows	Parkland and woodland
OS23	Berkeley Meadows	Open space with playground
OS27	Crane Meadows	Open space in river valley with public right of way

1.9 Cranford

Table 9.2.33 Cranford demographic baseline data

Measure	Cranford	Inner study area	London and the South East
Population			
Total Population	6,760	193,000	16,800,000
Population Growth (2001-2011)	630 (10%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	1,370 (20%)	41,000 (21%)	3,270,000 (19%)
16-74	5,100 (75%)	143,000 (74%)	12,400,000 (74%)
75+	290 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	3,490 (52%)	98,200 (51%)	8,270,000 (49%)
Female	3,270 (48%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			

Heathrow Expansion

People, place and community baseline



Measure	Cranford	Inner study area	London and the South East
White	1,470 (22%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	190 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	4,390 (65%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	410 (6%)	13,000 (7%)	1,220,000 (7%)
Other	310 (5%)	7,010 (4%)	332,000 (2%)
Main Language			
English	3,610 (56%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Sikh	1,990 (29%)	26,000 (13%)	181,000 (1%)
Christian	1,590 (24%)	74,100 (38%)	9,120,000 (54%)
Muslim	1,560 (23%)	30,500 (16%)	1,210,000 (7%)
Hindu	910 (13%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	5,530 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	900 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	340 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,020 (15%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.34 Cranford housing baseline data

Measure	Cranford	Inner study area	London and the South East
Households			
Total Number of Households	2,080	67,300	6,820,000
Accommodation Type			
House	1,550 (73%)	46,300 (67%)	4,510,000 (64%)
Flats	560 (26%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	1,130 (54%)	35,300 (52%)	3,980,000 (58%)
Social Rented	350 (17%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	560 (27%)	15,900 (24%)	1,400,000 (20%)

Heathrow Expansion

People, place and community baseline



Measure	Cranford	Inner study area	London and the South East
Shared Ownership	10 (0%)	1,560 (2%)	81,400 (1%)
Living Rent Free	30 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	400 (19%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	140 (12%)	3,260 (9%)	126,000 (3%)
Privately Rented	190 (32%)	4,340 (26%)	197,000 (13%)
Social Rented	80 (22%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	380 (18%)	15,800 (23%)	2,050,000 (30%)
One Family	1,170 (56%)	39,500 (59%)	4,020,000 (59%)
Other	530 (25%)	12,000 (18%)	750,000 (11%)

Table 9.2.35 Cranford economic baseline data

Measure	Cranford	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	5,100	143,000	12,400,000
Economic Activity			
Economically Active	3,540 (69%)	103,000 (72%)	8,910,000 (72%)
Unemployed	260 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	950 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	1,900 (35%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	1,470 (27%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,080 (20%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	880 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	870 (27%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	1,440 (45%)	33,500 (36%)	1,860,000 (23%)

Heathrow Expansion

People, place and community baseline



Measure	Cranford	Inner study area	London and the South East
Car or Van Availability			
1+ Car/Van Available	1,520 (73%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	560 (27%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.36 Cranford community facilities data

Map ref.	Name	Description of facility
SS2	Cranford Community College	Mixed 7FE Secondary School with 1,017 pupils on roll
SN2	The Cedars Primary School	Special school with 62 pupils currently on roll
PS23	Cranford Primary School	Mixed 3FE primary school with 605 pupils on roll
PW12	Holy Angels Church	Church of England church, Cranford High Street
PW13	Church of Our Lady and St. Christopher	Catholic church, Cranford High street
PW14	Heathrow Jamia Masjid Mosque	Mosque and Islamic cultural centre, Bath Road
PW15	Masjid Us Sunnah	Small Salafi mosque and prayer room in Bath Road house
PW16	Cranford Baptist Church	Baptist/evangelical Christian church
EC10	Meadowbank Adult Learning Centre	Adult education centre providing vocational and recreational daytime classes for adults
EC11	Cranford Children's Centre	SureStart children's centre based at Cranford Primary School
EC12	Cranford Library	Public library including meeting rooms and study areas
GP6	Dr Sandhu, PS & Partner	GP practice
GP7	Cranford Medical Centre	GP practice
N6	The Old Rectory Nursery School	Nursery on Church Road/ High Street Cranford
D3	Claradent Dental Care	Dentist surgery
D4	Berkeley Dental Practice	Dentist surgery
C7	Cranford Memorial Hall	Community hall with kitchen
PH9	Dunn Chemist	Pharmacy, Bath Road, Cranford
S9/OS26	Imperial College Sports Grounds Heston	Sports facilities owned by Imperial College London, including grass pitches and playing fields, tennis courts, artificial pitches and sports centre with changing facilities
S10	Cranford Community College Sports Facilities	Sports hall and grounds owned by school, open to public outside of school hours

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
S20	David Lloyd Sports Centre	Sports centre with gym, swimming pool, tennis court
OS24	Avenue Park	Public open space including tennis/basketball courts and children's playground
OS25	Cranford Community College Grounds	School grounds with grass playing fields, tennis courts and artificial pitches
OS27	Crane Meadows	River valley open space with public right of way
OS28	Way Avenue Green	Green with playground
OS29	Cranford School grounds	School playing field and courtyard
OS30/ OS31	Firs Drive Green	Roadside greens
OS32	Avenue Gardens	Roadside greens
OS120	Way Avenue Allotments	Public allotments

1.10 Heston

Table 9.2.37 Heston demographic baseline data

Measure	Heston	Inner study area	London and the South East
Population			
Total Population	36,200	193,000	16,800,000
Population Growth (2001-2011)	3,930 (12%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	7,700 (21%)	41,000 (21%)	3,270,000 (19%)
16-74	26,800 (74%)	143,000 (74%)	12,400,000 (74%)
75+	1,670 (5%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	18,400 (51%)	98,200 (51%)	8,270,000 (49%)
Female	17,800 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	8,260 (23%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	1,090 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	22,300 (62%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	2,550 (7%)	13,000 (7%)	1,220,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Heston	Inner study area	London and the South East
Other	1,980 (5%)	7,010 (4%)	332,000 (2%)
Main Language			
English	20,800 (60%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Sikh	9,340 (26%)	26,000 (13%)	181,000 (1%)
Christian	8,810 (24%)	74,100 (38%)	9,120,000 (54%)
Muslim	7,780 (22%)	30,500 (16%)	1,210,000 (7%)
Hindu	5,640 (16%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	29,700 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	4,520 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	1,940 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	5,410 (15%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.38 Heston housing baseline data

Measure	Heston	Inner study area	London and the South East
Households			
Total Number of Households	11,600	67,300	6,820,000
Accommodation Type			
House	7,800 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	3,900 (33%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	6,190 (54%)	35,300 (52%)	3,980,000 (58%)
Social Rented	2,510 (22%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	2,580 (22%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	120 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	160 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	2,080 (18%)	10,100 (15%)	498,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Heston	Inner study area	London and the South East
Owner-Occupied	700 (11%)	3,260 (9%)	126,000 (3%)
Privately Rented	780 (28%)	4,340 (26%)	197,000 (13%)
Social Rented	600 (24%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	2,330 (20%)	15,800 (23%)	2,050,000 (30%)
One Family	6,720 (58%)	39,500 (59%)	4,020,000 (59%)
Other	2,500 (22%)	12,000 (18%)	750,000 (11%)

Table 9.2.39 Heston economic baseline data

Measure	Heston	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	26,800	143,000	12,400,000
Economic Activity			
Economically Active	18,300 (68%)	103,000 (72%)	8,910,000 (72%)
Unemployed	1,440 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	5,170 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	9,880 (35%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	8,610 (30%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	4,790 (17%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	5,610 (34%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	4,940 (30%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	5,940 (36%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	8,350 (72%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	3,200 (28%)	18,900 (28%)	2,020,000 (30%)

Heathrow Expansion

People, place and community baseline



Table 9.2.40 Heston community facilities data

Map ref.	Name	Description of facility
PS21	Berkeley Primary School	State-funded primary school
PS36	The Rosary Catholic Primary School	State-funded primary school
PS40	Norwood Green Junior School	State-funded primary school
PS26	Westbrook Primary School	State-funded primary school
PS39	Heston Primary School	State-funded primary school
SS8	Lampton Academy	State-funded secondary school
PS41	Edison Primary School	State-funded primary school
PS31	Norwood Green Infant and Nursery School	State-funded primary school
PS16	Springwell Junior School	State-funded primary school
PS17	Springwell Infant and Nursery School	State-funded primary school
PS18	Wellington Primary School	State-funded primary school
SS9	Heston Community School	State-funded secondary school
EC22	Hounslow Library	Public library
EC14	Heston Library	Public library
N19	Nursery on the Green	Nursery
N14	Little Cherubs Day Nursery	Nursery
N15	Kinderoos Nursery	Nursery
SC6	Vicarage Farm Care Home	Care centre for the elderly
C21	Heston Village Hall	Community hall
C22	Heston Royal British Legion Hall	Community hall owned by local Royal British Legion
C29	Heston Community Centre	Community centre
C31	Hounslow Conservative Club/Hounslow Sports and Social Club	Community and sports centre with venue for hire
C32	Sutton Lane Community Centre	Community centre
LB18	Brabazon Road Post Office	Post Office
LB22	Heston Post Office	Post Office
PW42	St Paul's Church	Church of England church

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
PW44	Lakshmi Narayan Temple	Hindu Temple
PW45	St Leonard's Church	Church of England church
PW46	Heston Methodist Church	Methodist church
PW30	Darussalam Mosque	Mosque and Islamic cultural centre
PW31	Heston United Reformed Church	Evangelical Protestant church
PW32	All Saints Church	Evangelical Protestant church
GP19	Skyways Medical Centre	GP surgery
GP20	Dr. K M Singh	GP surgery
GP21	Heston Health Centre	GP surgery
GP25	The Crosslands Surgery	GP surgery
D19	Heston Health Clinic Dentists	Dental surgery
D20	Smile 32 Dentist	Dental surgery
D11	CareDental Smile Studios	Dental surgery
D12	Toothsome Dentists	Dental surgery
D13	Ghuri Dental Surgery	Dental surgery
D14	Badenhorst & Associates Dental Surgery	Dental surgery
PH18	Jade Pharmacy	Pharmacy
PH19	Medico Pharmacy	Pharmacy
S20	David Lloyd Sports Centre	Sports centre with gym, swimming pool, tennis courts etc
S21	Airlinks Golf Club	Private golf course
S22	Hounslow Sports and Social Club	Sports and community centre
S23	Heston Community School Sports Hall	School sports hall
S24	The Hounslow Dome	Badminton facility owned by Hounslow Badminton Association
S30	Hounslow Indoor Bowls Club	Indoor bowls club facilities
S31	Heston Pools and Fitness	Indoor swimming pools and fitness centre
OS184	Westbrook Road Allotments	Public allotments
OS185	Clunberry Avenue Green	Open, green space
OS186	Barnes Farm Allotments	Public allotments

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS187	Norwood Green School Grounds	School grounds and sports facilities
OS188	King's Arbour Park	Open, green space
OS156	Hounslow Bowls Club	Sports club grounds and facilities
OS158	New Brentford Cemetery	Public cemetery
OS159	Sutton Lane Allotments	Public allotments
OS160	Lampton Park	Open, green space
OS161	Hounslow Sports and Social Club	Sports club grounds and facilities
OS177	Claypole Drive MUGA	Public mixed-use games area
OS106	Brabazon Road Green	Open, green space
OS178	Sutton Lane Community Centre MUGA	Public mixed-use games area
OS107	Berkeley School Grounds	School grounds and sports facilities
OS179	Sutton Playing Field	Public open space/sports pitch and playground
OS108	Convent Way Green	Open, green space
OS180	Springwell School Grounds	School grounds and sports facilities
OS109	Airlinks Golf Course	Private golf course, now closed
OS181	Heston Park/Heston Sports and Leisure	Public park and sports facilities
OS182	St Leonard's Churchyard	Churchyard and cemetery
OS183	Heston Primary School/Community Sports Hall Grounds	School grounds and sports facilities
OS219	Lampton School Grounds	School grounds and sports facilities

1.11 Hounslow (Central and South)

Table 9.2.41 Hounslow (Central and South) demographic baseline data

Measure	Hounslow (Central and South)	Inner study area	London and the South East
Population			
Total Population	26,600	193,000	16,800,000
Population Growth (2001-2011)	4,990 (23%)	30,600 (19%)	1,640,000 (11%)

Heathrow Expansion

People, place and community baseline



Measure	Hounslow (Central and South)	Inner study area	London and the South East
Age Profile			
0-15	5,010 (19%)	41,000 (21%)	3,270,000 (19%)
16-74	20,200 (76%)	143,000 (74%)	12,400,000 (74%)
75+	1,360 (5%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	13,700 (52%)	98,200 (51%)	8,270,000 (49%)
Female	12,900 (48%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	10,700 (40%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	950 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	12,800 (48%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	1,220 (5%)	13,000 (7%)	1,220,000 (7%)
Other	910 (3%)	7,010 (4%)	332,000 (2%)
Main Language			
English	16,200 (64%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	9,980 (38%)	74,100 (38%)	9,120,000 (54%)
Hindu	5,310 (20%)	24,600 (13%)	504,000 (3%)
Muslim	3,850 (14%)	30,500 (16%)	1,210,000 (7%)
No Religion	2,730 (10%)	22,900 (12%)	4,080,000 (24%)
Self-Reported Health			
Good Health	22,700 (85%)	161,000 (83%)	14,100,000 (84%)
Fair Health	2,890 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	1,000 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	3,290 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.42 Hounslow (Central and South) housing baseline data

Measure	Hounslow (Central and South)	Inner study area	London and the South East
Households			

Heathrow Expansion

People, place and community baseline



Measure	Hounslow (Central and South)	Inner study area	London and the South East
Total Number of Households	9,330	67,300	6,820,000
Accommodation Type			
House	6,080 (64%)	46,300 (67%)	4,510,000 (64%)
Flats	3,440 (36%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	4,980 (53%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,110 (12%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	2,840 (30%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	310 (3%)	1,560 (2%)	81,400 (1%)
Living Rent Free	90 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	1,490 (16%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	410 (8%)	3,260 (9%)	126,000 (3%)
Privately Rented	880 (30%)	4,340 (26%)	197,000 (13%)
Social Rented	200 (18%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	2,140 (23%)	15,800 (23%)	2,050,000 (30%)
One Family	5,320 (57%)	39,500 (59%)	4,020,000 (59%)
Other	1,870 (20%)	12,000 (18%)	750,000 (11%)

Table 9.2.43 Hounslow (Central and South) economic baseline data

Measure	Hounslow (Central and South)	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	20,200	143,000	12,400,000
Economic Activity			
Economically Active	15,000 (74%)	103,000 (72%)	8,910,000 (72%)
Unemployed	910 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	3,030 (14%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	6,900 (32%)	57,500 (38%)	5,470,000 (40%)

Heathrow Expansion

People, place and community baseline



Measure	Hounslow (Central and South)	Inner study area	London and the South East
Further and Higher Education	8,320 (39%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	3,320 (15%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	5,680 (41%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	4,080 (30%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	4,050 (29%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	6,070 (65%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	3,260 (35%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.44 Hounslow (Central and South) community facilities data

Map ref.	Name	Description of facility
IS3	Oak Heights Independent School	Independent school
PS30	Hounslow Town Primary School	State-funded primary school
PS32	Spring Grove Primary School	State-funded primary school
PS38	Chatsworth Primary School	State-funded primary school
PS42	Alexandra Primary School	State-funded primary school
SN3	Oaklands School	State-funded special school
SS10	Kingsley Academy	State-funded secondary school
EC23	Hounslow Youth Centre	Council-owned youth centre
EC26	Hounslow Arts Centre / London Contemporary Performance Academy	Art centre with dance academy
EC28	Hounslow Toy Library	Childrens' Library
EC27	Hounslow Town Childrens Centre	Sure Start childrens' centre
PW58	St Mary the Virgin, Isleworth	Church of England church

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
PW65	Saint Luke's Mission Church	Church of England church
PW64	Maswell Park Church	Independent Christian church
PW63	Christian Community Church West London	Evangelical Protestant church
PW62	Hounslow Spiritualist Church	Spiritualist church
PW60	Hounslow Evangelical Church	Evangelical Protestant church
PW59	Hounslow United Reformed Church	Protestant church
PW34	Hounslow Methodist Church	Methodist church
OS169	Hounslow Avenue Allotments	Public allotments
OS170	Gainsborough Gardens Allotments	Public allotments
OS171	Gainsborough Gardens Green	Public park
OS172	Whitton Dene Open Space	Green, open space
OS173	Chatsworth Primary School Grounds	School grounds and sports facilities
OS174	Kinglesey Avenue Park	Public park
OS175	Colwyn Crescent Green	Green, open space
OS176	The Highlands Open Space	Green, open space
OS162	WERFA Park	Public park, maintained by community organisation
OS163	Thornbury Playing Fields	Open space and sports facility
OS164	Farnell Road Green	Green, open space
OS165	Depot Road Allotments	Public allotments
OS166	Inwood Park	Public park
OS167	Stanley Road Allotments	Public allotments
OS168	Inwood Road Allotments	Public allotments
OS220	Kingsley Academy Grounds	School grounds and sports facilities
C38	WERFA Pavilion	Resident-owned community centre
SC5	Voyage Care 177-179 Spring Grove Road	Care for young people with range of disabilities

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
S26	The Gym (London Hounslow)	Privately-run gym/fitness centre
S27	Gold's Gym	Privately-run gym/fitness centre
S29	Anytime Fitness	Privately-run gym/fitness centre
LB24	Heath Road Post Office	Post office
LB25	Hounslow High Street Post Office	Post office
GP24	Hounslow Family Practice	GP practice
GP27	Spring Grove Medical Practice	GP practice
GP28	Cecil Road Surgery	GP practice
GP29	Firstcare Practice	GP practice
GP30	Redwood Practice, Maswell Park Health Centre	GP practice

1.12 Hounslow (West and Heath)

Table 9.2.45 Hounslow (West and Heath) demographic baseline data

Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Population			
Total Population	33,800	193,000	16,800,000
Population Growth (2001-2011)	6,680 (25%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	7,100 (21%)	41,000 (21%)	3,270,000 (19%)
16-74	25,300 (75%)	143,000 (74%)	12,400,000 (74%)
75+	1,390 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	17,300 (51%)	98,200 (51%)	8,270,000 (49%)
Female	16,500 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	9,200 (27%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	1,150 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	19,700 (58%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	2,470 (7%)	13,000 (7%)	1,220,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Other	1,300 (4%)	7,010 (4%)	332,000 (2%)
Main Language			
English	18,400 (57%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	10,000 (30%)	74,100 (38%)	9,120,000 (54%)
Muslim	7,140 (21%)	30,500 (16%)	1,210,000 (7%)
Hindu	6,850 (20%)	24,600 (13%)	504,000 (3%)
Sikh	4,410 (13%)	26,000 (13%)	181,000 (1%)
Self-Reported Health			
Good Health	28,100 (83%)	161,000 (83%)	14,100,000 (84%)
Fair Health	3,950 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	1,810 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	4,930 (15%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.46 Hounslow (West and Heath) housing baseline data

Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Households			
Total Number of Households	11,100	67,300	6,820,000
Accommodation Type			
House	6,810 (60%)	46,300 (67%)	4,510,000 (64%)
Flats	4,470 (40%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	4,720 (43%)	35,300 (52%)	3,980,000 (58%)
Social Rented	2,760 (25%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	3,200 (29%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	220 (2%)	1,560 (2%)	81,400 (1%)
Living Rent Free	160 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	2,310 (21%)	10,100 (15%)	498,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Owner-Occupied	690 (14%)	3,260 (9%)	126,000 (3%)
Privately Rented	1,090 (32%)	4,340 (26%)	197,000 (13%)
Social Rented	520 (19%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	2,420 (22%)	15,800 (23%)	2,050,000 (30%)
One Family	6,100 (55%)	39,500 (59%)	4,020,000 (59%)
Other	2,550 (23%)	12,000 (18%)	750,000 (11%)

Table 9.2.47 Hounslow (West and Heath) economic baseline data

Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	25,300	143,000	12,400,000
Economic Activity			
Economically Active	17,800 (70%)	103,000 (72%)	8,910,000 (72%)
Unemployed	1,290 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	4,680 (17%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	8,670 (32%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	8,620 (32%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	4,780 (18%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	5,290 (33%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	4,550 (28%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	6,300 (39%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	7,000 (63%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	4,070 (37%)	18,900 (28%)	2,020,000 (30%)

Heathrow Expansion

People, place and community baseline



Table 9.2.48 Hounslow (West and Heath) community facilities data

Map ref.	Name	Description of facility
PS33	Grove Road Primary School	State-funded primary school
PS20	Beavers Community Primary School	State-funded primary school
PS22	St Michael and St Martin RC Primary School	State-funded primary school
PS37	Orchard Primary School	State-funded primary school
SS7	The Heathland School	State-funded secondary school
PS13	Hounslow Heath Junior School	State-funded primary school
PS14	Hounslow Heath Infant and Nursery School	State-funded primary school
SS5	St Mark's Catholic School	State-funded secondary school
IS4	Suffah Primary School	Independent school
EC21	Midsummer Park Children's Centre	Council-run children's Sure Start centre
EC17	The Hub Library and Children's Centre	Community Hub
N7	The Co-Operative Childcare Hounslow	Nursery
N16	Midsummer Park Pre-School	Public pre-school
N17	Bambinos Montessori Nursery	Nursery
N18	Parkside Playgroup	Nursery in church hall
C24	The Hub Community Centre	Community centre
C33	Islamic Integration Community Centre	Islamic cultural and community centre
PW35	Jalaram Jupadi Virpur Dham Hounslow	Hindu Temple
PW36	Hounslow Central Mosque	Main mosque for Hounslow area
PW37	Emmanuel Baptist Church	Baptist church
PW38	Gurdwara Sri Guru Singh Sabha	Sikh temple for Hounslow area
PW39	Kingdon Hall Jehovah Witnesses	Jehovah Witnesses church

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
PW56	St Stephen's Church	Church of England church
PW57	St John's Mar Thoma Church	Church building, part of the Mar Thoma Church (originally based in India)
PW40	Unified Body of Christ Church International	Evangelical Protestant chapel
PW41	Ss Michael and Martin Catholic Church	Catholic church
PW43	Hounslow Gospel Hall	Evangelical Protestant chapel
PW47	Islamic Integration Community Centre	Islamic cultural and community centre with prayer rooms
PW17	Church of the Good Shepherd	Church of England church
PW34	Hounslow Methodist Church	Methodist church
PW66	Gurdwara Sikh Temple	Sikh temple
GP18	Clifford Road Surgery	GP surgery
GP22	Heart of Hounslow Medical Centre	GP surgery
GP23	Hounslow Centre for Health	GP surgery
GP16	The Great West Surgery	GP surgery
GP17	The MWH Practice	GP surgery
D18	T J L Want Dentists	Dental surgery
D10	Hounslow West Dentists	Dental surgery
D15	Orthosmile Hounslow	Dental surgery
D16	Ealing and Hounslow PCT Community Dental Service	Dental surgery
D17	Mydentist Staines Road	Dental surgery
PH13	Boots Hounslow West	Pharmacy
PH17	Hobb's Pharmacy	Pharmacy
S19	Heathrow Gymnastics Club	Indoor sports hall
S28	Xercise4less Gym	Commercial gym
OS147	Midsummer Park and Playground	Public open space and playground
OS113	Beaversfield Park	Public open, green space
OS148	Cobbs Road Open Space	Public open space

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS149	The Orchard Primary School Grounds	School grounds and sports facilities
OS150	Grove Road Primary School Ground	School grounds and sports facilities
OS151	St Mark's Catholic School Grounds	School grounds and sports facilities
OS152	Maitland Close Playground	Children's playground
OS118	Hounslow Heath	Public open space and rights of way on Hounslow Heath
OS153	Logans Close Playground	Children's playground
OS154	St Michaels and St Martins Catholic School Grounds	School grounds and sports facilities
OS155	Maitland Close Open Space	Public open, green space
OS121	Open Space East of Clements Court	Public open, green space
OS157	Clements Court Playground	Children's playground
OS99	Green Lane Recreation Ground	Public open, green space
OS100	Hounslow Heath Golf Club	Golf course
OS101	Calvary Close	Public open, green space
OS27	Crane Meadows	Open space and public rights of way along Crane River
OS102	Chester Road Open Space	Public open, green space
OS103	Beavers School Grounds	School grounds and sports facilities
OS104	Aston Green	Public open, green space
OS105	Grantley Road	Public open, green space and playground
OS143	Heathland School Grounds	School grounds and sports facilities
OS144	Frampton Road Playspace	Children's playground
OS145	Vimy Close Playspace	Children's playground
OS146	Blackburn Way Playspace	Children's playground
OS221	Hounslow Heath School Grounds	School grounds and sports facilities



1.13 Feltham North

Table 9.2.49 Feltham North demographic baseline data

Measure	Feltham North	Inner study area	London and the South East
Population			
Total Population	11,600	193,000	16,800,000
Population Growth (2001-2011)	1,990 (21%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	2,310 (20%)	41,000 (21%)	3,270,000 (19%)
16-74	8,480 (73%)	143,000 (74%)	12,400,000 (74%)
75+	780 (7%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	5,750 (50%)	98,200 (51%)	8,270,000 (49%)
Female	5,820 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	7,070 (61%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	460 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	3,080 (27%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	680 (6%)	13,000 (7%)	1,220,000 (7%)
Other	280 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	8,310 (75%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	5,950 (51%)	74,100 (38%)	9,120,000 (54%)
No Religion	1,950 (17%)	22,900 (12%)	4,080,000 (24%)
Muslim	1,270 (11%)	30,500 (16%)	1,210,000 (7%)
Hindu	920 (8%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	9,290 (80%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,600 (14%)	23,200 (12%)	1,950,000 (12%)
Bad Health	670 (6%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,930 (17%)	27,600 (14%)	2,510,000 (15%)

Heathrow Expansion

People, place and community baseline



Table 9.2.50 Feltham North housing baseline data

Measure	Feltham North	Inner study area	London and the South East
Households			
Total Number of Households	4,220	67,300	6,820,000
Accommodation Type			
House	3,100 (72%)	46,300 (67%)	4,510,000 (64%)
Flats	1,200 (28%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	2,490 (59%)	35,300 (52%)	3,980,000 (58%)
Social Rented	940 (22%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	680 (16%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	50 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	60 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	510 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	210 (8%)	3,260 (9%)	126,000 (3%)
Privately Rented	160 (22%)	4,340 (26%)	197,000 (13%)
Social Rented	130 (14%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,060 (25%)	15,800 (23%)	2,050,000 (30%)
One Family	2,520 (60%)	39,500 (59%)	4,020,000 (59%)
Other	640 (15%)	12,000 (18%)	750,000 (11%)

Table 9.2.51 Feltham North economic baseline data

Measure	Feltham North	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	8,480	143,000	12,400,000
Economic Activity			
Economically Active	6,060 (71%)	103,000 (72%)	8,910,000 (72%)

Heathrow Expansion

People, place and community baseline



Measure	Feltham North	Inner study area	London and the South East
Unemployed	360 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	2,410 (26%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	3,690 (40%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	1,950 (21%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,200 (13%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	1,500 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	1,920 (34%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,200 (39%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	3,100 (73%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,120 (27%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.52 Feltham North community facilities data

Map Ref.	Name	Description of Facility
SS4	Space Studio West London	Studio school and sixth form specialising in skills, STEM and technical education
SS6	Rivers Academy West London	Secondary school academy and Sixth Form
PS15	Sparrow Farm Infant and Nursery School	State-funded nursery and infant school
PS19	Sparrow Farm Junior School	State-funded junior school
SC4	Coniston Lodge	Care centre providing a range of residential care including full nursing care, dementia care and care for people with mental health conditions
PW27	Salvation Army Church	Evangelical Christian chapel and charity centre run by the Salvation Army
PW28	Calvary Free Grace Baptist Church	Baptist church, Bedfont Lane
PW29	Southville Methodist Church	Methodist church, Bedfont Lane

Heathrow Expansion

People, place and community baseline



Map Ref.	Name	Description of Facility
C27	Feltham Assembly Hall	Community hall with meeting room, kitchen and bar
C28	Sparrow Farm Residents Association Club	Community centre, Sparrow Farm
GP13	Pentelow Practice	GP surgery
GP14	Carlton Surgery	GP surgery
GP15	Gill Medical Practice	GP surgery
P26	The Beehive	Pub
P27	The Green Man	Pub
D8	Feltham Park Dentists	Dentist surgery
D9	Feltham Dental Care	Dentist surgery
PH16	Boots Harlington Road West	Pharmacy
LB17	Harlington Road West Post Office	Post office branch
OS76	Hounslow Urban Farm	Urban farm and business
OS78	Hatton Cemetery	Public cemetery
OS87	Rivers Academy Playing Field	School grass playing fields and basketball courts
OS90	Blenheim Park	Public park and playing fields
OS91	Feltham Park	Public park with grass pitches, tennis courts, basketball courts, bowling green, playground, pond and Feltham Assembly Hall buildings/facilities
OS92	Glebelands Playing Fields	Public park and playing fields, including riverside path and former Feltham Arena
OS93	Brainton Ave Open Space	Public park and green
OS94	Sparrow Farm open space	Open green spaces in housing estate
OS95	Viola Ave Allotments	Public allotments
OS96	Sparrow Farm school grounds	School grounds and playing fields
OS97	Hatton Green	Small open space in housing courtyard
OS98	Heron Road Allotments	Public allotments



1.14 Bedfont

Table 9.2.53 Bedfont demographic baseline data

Measure	Bedfont	Inner study area	London and the South East
Population			
Total Population	12,700	193,000	16,800,000
Population Growth (2001-2011)	2,600 (26%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	2,820 (22%)	41,000 (21%)	3,270,000 (19%)
16-74	9,160 (72%)	143,000 (74%)	12,400,000 (74%)
75+	720 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	6,270 (49%)	98,200 (51%)	8,270,000 (49%)
Female	6,430 (51%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	8,170 (64%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	480 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	2,930 (23%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	860 (7%)	13,000 (7%)	1,220,000 (7%)
Other	270 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	9,500 (79%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	6,360 (50%)	74,100 (38%)	9,120,000 (54%)
No Religion	2,600 (20%)	22,900 (12%)	4,080,000 (24%)
Muslim	1,330 (10%)	30,500 (16%)	1,210,000 (7%)
Hindu	750 (6%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	10,400 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,600 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	650 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,970 (15%)	27,600 (14%)	2,510,000 (15%)

Heathrow Expansion

People, place and community baseline



Table 9.2.54 Bedfont housing baseline data

Measure	Bedfont	Inner study area	London and the South East
Households			
Total Number of Households	4,860	67,300	6,820,000
Accommodation Type			
House	3,370 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	1,680 (33%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	2,340 (48%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,310 (27%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	780 (16%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	360 (7%)	1,560 (2%)	81,400 (1%)
Living Rent Free	50 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	500 (10%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	190 (7%)	3,260 (9%)	126,000 (3%)
Privately Rented	150 (17%)	4,340 (26%)	197,000 (13%)
Social Rented	170 (13%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,330 (27%)	15,800 (23%)	2,050,000 (30%)
One Family	2,920 (60%)	39,500 (59%)	4,020,000 (59%)
Other	610 (13%)	12,000 (18%)	750,000 (11%)

Table 9.2.55 Bedfont economic baseline data

Measure	Bedfont	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	9,160	143,000	12,400,000
Economic Activity			
Economically Active	6,750 (74%)	103,000 (72%)	8,910,000 (72%)
Unemployed	450 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			

Heathrow Expansion

People, place and community baseline



Measure	Bedfont	Inner study area	London and the South East
No Formal Qualifications	2,370 (24%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	4,320 (44%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	1,990 (20%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,200 (12%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	1,780 (29%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,160 (35%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,290 (37%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	3,620 (75%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,240 (25%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.56 Bedfont community facilities data

Map ref.	Name	Description of facility
PS12	Bedfont Primary School	State-funded primary school
PS29	Fairholme Primary School	State-funded primary school
SN1	Marjory Kinnon School	State-funded special school
C19	St Mary's Church Hall Bedfont	Church hall
C20	Stoney Wall Community Centre	Community centre, currently closed
C23	Bedfont and Hatton Royal British Legion	Community hall and British Legion club
C25	Southville Community Centre	Community centre with children's centre
C26	Bedfont Public Hall	Community hall with nursery
N11	Bumbles Preschool	Nursery and pre-school
N12	The Alphabet Pre-School	Nursery and pre-school based in Bedfont Public Hall
N13	Little Dreams Day Nursery	Nursery
EC15	Bedfont library	Public library

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
EC18	Southville Youth and Children's Centre	Children's, youth and Sure Start centre based in Southville Community Centre
LB16	Bedfont Post Office	Post office branch
PW25	St Mary's Church Bedfont	Church of England parish church and churchyard
PW26	Airport Church Revival Centre	Evangelical Christian chapel
PW33	Bethany Church	Evangelical Protestant church
GP10	Hatton Medical Practice	GP Surgery
GP11	Bedfont Clinic	GP Surgery
GP12	Grove Village Medical Centre	GP Surgery
PH14	Boots Bedfont	Pharmacy
PH15	Edwards and Taylor	Pharmacy
D6	Bedfont Green Dental Practice	Dentist surgery
D7	Ealing and Hounslow PCT Community Dental Service	Dentist surgery
S17/OS80	Bedfont Recreation Grounds	Public outdoor sports ground with football and cricket pitches, tennis courts, pavilion and changing rooms
S18	Bedfont & Feltham Football & Social Club	Outdoor, club-owned football club and buildings with pavilion and changing rooms
P23	The Bell on the Green	Pub
P24	The Duke of Wellington	Pub
P25	The Load of Hay	Pub
OS74	Bedfont Lakes Country Park	Lakeland and nature reserve open to public
OS75	Bedfont Cemetery	Public cemetery
OS77	Southville Green	Open green space in housing estates
OS79	Hatton Road Allotments	Public allotments
OS81	Heathrow Biodiversity Site – Cain's Lane	Publicly accessible Heathrow biodiversity site
OS82	Heathrow Biodiversity Site – Two Bridges	Publicly accessible Heathrow biodiversity site
OS83	Bedfont Lake open space	Open, publicly accessible fields
OS84	Bedfont Green	Open green space
OS85	Fairholme Green	Open green space in housing estate

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS86	Bedfont Close Green	Open green space
OS88	East Bedfont Lake open space	Open, publicly accessible meadow
OS89	Cage Park	Open green space with playground

1.15 Stanwell

Table 9.2.57 Stanwell demographic baseline data

Measure	Stanwell	Inner study area	London and the South East
Population			
Total Population	14,600	193,000	16,800,000
Population Growth (2001-2011)	1,040 (8%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	2,970 (20%)	41,000 (21%)	3,270,000 (19%)
16-74	10,600 (73%)	143,000 (74%)	12,400,000 (74%)
75+	950 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	7,290 (50%)	98,200 (51%)	8,270,000 (49%)
Female	7,260 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	11,400 (79%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	400 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	2,090 (14%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	430 (3%)	13,000 (7%)	1,220,000 (7%)
Other	200 (1%)	7,010 (4%)	332,000 (2%)
Main Language			
English	12,400 (89%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	8,760 (60%)	74,100 (38%)	9,120,000 (54%)
No Religion	3,160 (22%)	22,900 (12%)	4,080,000 (24%)
Sikh	550 (4%)	26,000 (13%)	181,000 (1%)
Muslim	470 (3%)	30,500 (16%)	1,210,000 (7%)

Heathrow Expansion

People, place and community baseline



Measure	Stanwell	Inner study area	London and the South East
Self-Reported Health			
Good Health	11,900 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,900 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	720 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	2,280 (16%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.58 Stanwell housing baseline data

Measure	Stanwell	Inner study area	London and the South East
Households			
Total Number of Households	5,840	67,300	6,820,000
Accommodation Type			
House	4,170 (69%)	46,300 (67%)	4,510,000 (64%)
Flats	1,860 (31%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	3,490 (60%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,350 (23%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	760 (13%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	180 (3%)	1,560 (2%)	81,400 (1%)
Living Rent Free	60 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	400 (7%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	170 (5%)	3,260 (9%)	126,000 (3%)
Privately Rented	110 (13%)	4,340 (26%)	197,000 (13%)
Social Rented	140 (10%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,680 (29%)	15,800 (23%)	2,050,000 (30%)
One Family	3,550 (61%)	39,500 (59%)	4,020,000 (59%)
Other	610 (10%)	12,000 (18%)	750,000 (11%)

Heathrow Expansion

People, place and community baseline



Table 9.2.59 Stanwell economic baseline data

Measure	Stanwell	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	10,600	143,000	12,400,000
Economic Activity			
Economically Active	8,020 (75%)	103,000 (72%)	8,910,000 (72%)
Unemployed	460 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	2,860 (25%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	5,510 (48%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	2,320 (20%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	890 (8%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	2,500 (33%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,637 (35%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,370 (32%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	4,750 (81%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,090 (19%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.60 Stanwell community facilities data

Map ref.	Name	Description of facility
PS11	Stanwell Fields CofE Primary School	State-funded primary school
PS28	Town Farm Primary School and Nursery	State-funded primary school and nursery
SS3	Thomas Knyvett College	State-funded secondary school
IS1	St. James Senior Boys' School	Independent school for boys
RU1	Fordway Centre	Pupil Referral Unit

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
C14/GP9	Stanwell Health and Community Centre	Community hub with health centre, GP practice (St. David's Family Practice), library, and café
C15	Stanwell Rose Community Centre	Community centre
C18	Stanwell Village Hall	Community hall
N8	Mini Tots Daycare	Nursery
N10	First Start Day Nursery	Nursery
SC1	Church View Care Home	Nursing home for long- and short-term care and respite services for carers
SC3	Ashford House Care Centre	Residential care for the elderly and people with dementia
LB14	Stanwell Post Office	Post Office Branch
LB15	Clare Road Post Office	Post Office Branch
PW19	St Mary the Virgin	Church of England parish church and churchyard
PW20	St David's Catholic Church	Catholic church
PW21	Stanwell Congregational Church	Evangelical Protestant church
PW22	Stanwell Cemetery Chapel	Cemetery chapel
PW23	Ashford Burial Ground Chapel	Cemetery chapel
PW24/C17	Ashford Mosque	Mosque and Islamic cultural/community centre
GP8	Ashford Health Centre	GP practice
PH10	Herman Pharmacy	Pharmacy
PH11	Herman Pharmacy	Pharmacy
PH12	Tesco Pharmacy	Pharmacy
D5	Stanwell Dental Practice	Dentist surgery
S11	Ashford Sports Club	Sports grounds with cricket and football pitches, games courts and club house/pavilion
S12	Ashford Town (Middlesex) FC Grounds	Football club grounds with grass pitch, changing rooms and stands
S13	Long Lane Recreation Ground	Playing courts, skate park, changing rooms, grass pitches
S15	Stanwell Recreation Ground Facilities	Tennis courts, bowling green, cricket pitch, bowling club building
P18	The Wheatsheaf	Pub
P19	The Swan Inn	Pub

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
P20	The Five Bells	Pub
P21	The Rising Sun	Pub
P22	The Sir John Gibson	Pub
OS43	Ashford Cemetery	Public cemetery
OS44	Ashford Sports Club Grounds	Sports pitches and clubhouse facilities
OS45	Ashford Town (Middlesex) FC Grounds	Football pitch, stands and clubhouse
OS46	Long Lane Recreation Ground	Open, green space with playground, skate park and tennis/basketball courts
OS47	Stanwell Fields Primary School Grounds	School grounds and sports fields
OS48	Victory Close Green & Playground	Open space and children's playground
OS49	Stanwell Village Park	Open, green space and children's playground
OS50	Stanwell Recreation Ground	Open, green space, children's playground, tennis courts and bowling green
OS51	Heathrow Biodiversity Site - Oaks Road	Biodiversity site with public pathways
OS52	Selwood Gardens Green	Open, green space
OS53	Nuthatch Close Playground	Children's playground
OS54	Lauser Road Park (Town Lane)	Open, green space
OS55	Stanwell Cemetery	Public cemetery
OS56	Stanwell Cemetery Allotments	Council-owned allotments
OS57	Town Farm Primary School Grounds	School grounds and sports fields
OS58	Clyde Road Park	Open, green space
OS60	Stanwell Village Green	Open, green space
OS61	Comet Road Green	Open, green space
OS62	Mulberry Ave/Holywell Way Green	Open, green space
OS63	Cambria Gardens Green	Open, green space
OS64	Eddystone Walk Green	Open, green space
OS65	Hadrian Way Green	Open, green space
OS66	Elsinore Avenue Green	Open, green space

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS67	Caledonia Road Green	Open, green space
OS68	Diamedes Avenue Green	Open, green space
OS69	Jordans Close Green	Open, green space
OS70	Staines Reservoir	Open lake and SSSI, open to public including birdwatchers

1.16 Stanwell Moor

Table 9.2.61 Stanwell Moor demographic baseline data

Measure	Stanwell Moor	Inner study area	London and the South East
Population			
Total Population	1,370	193,000	16,800,000
Population Growth (2001-2011)	30 (2%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	250 (18%)	41,000 (21%)	3,270,000 (19%)
16-74	1,080 (79%)	143,000 (74%)	12,400,000 (74%)
75+	40 (3%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	700 (51%)	98,200 (51%)	8,270,000 (49%)
Female	680 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,080 (78%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	50 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	190 (14%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	30 (2%)	13,000 (7%)	1,220,000 (7%)
Other	30 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,200 (90%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	800 (58%)	74,100 (38%)	9,120,000 (54%)
No Religion	280 (21%)	22,900 (12%)	4,080,000 (24%)
Sikh	80 (6%)	26,000 (13%)	181,000 (1%)

Heathrow Expansion

People, place and community baseline



Measure	Stanwell Moor	Inner study area	London and the South East
Hindu	60 (5%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	1,170 (85%)	161,000 (83%)	14,100,000 (84%)
Fair Health	130 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	70 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	160 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.62 Stanwell Moor housing baseline data

Measure	Stanwell Moor	Inner study area	London and the South East
Households			
Total Number of Households	550	67,300	6,820,000
Accommodation Type			
House	490 (84%)	46,300 (67%)	4,510,000 (64%)
Flats	90 (16%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	400 (73%)	35,300 (52%)	3,980,000 (58%)
Social Rented	40 (7%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	100 (19%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	6 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	4 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	40 (8%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	20 (5%)	3,260 (9%)	126,000 (3%)
Privately Rented	10 (13%)	4,340 (26%)	197,000 (13%)
Social Rented	7 (19%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	130 (23%)	15,800 (23%)	2,050,000 (30%)
One Family	370 (68%)	39,500 (59%)	4,020,000 (59%)
Other	50 (9%)	12,000 (18%)	750,000 (11%)

Heathrow Expansion

People, place and community baseline



Table 9.2.63 Stanwell Moor economic baseline data

Measure	Stanwell Moor	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,080	143,000	12,400,000
Economic Activity			
Economically Active	840 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	30 (4%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	230 (21%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	600 (53%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	200 (18%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	90 (8%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	230 (29%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	320 (40%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	250 (31%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	510 (93%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	40 (7%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.64 Stanwell Moor community facilities data

Map ref.	Name	Description of facility
LB13	Stanwell Moor Post Office	Post office branch
C16	Stanwell Moor Village Hall	Community hall
PW18	Faith in God Ministries	Evangelical Christian church based in Stanwell Moor Village Hall
S14/OS42	Stanwell Moor Recreation Ground	Open green space with grass pitches, playground and basketball court
P17	The Anchor	Pun
OS59	The Vineries Allotments	Public allotments
OS71	King George VI Reservoir	Open water

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS72	Hithermoor Road Green	Green space in housing estate
OS73	Hithermoor Lake	Publically accessible fish ponds and open space

1.17 Poyle

Table 9.2.65 Poyle demographic baseline data

Measure	Poyle	Inner study area	London and the South East
Population			
Total Population	1,730	193,000	16,800,000
Population Growth (2001-2011)	260 (17%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	290 (17%)	41,000 (21%)	3,270,000 (19%)
16-74	1,380 (80%)	143,000 (74%)	12,400,000 (74%)
75+	60 (3%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	910 (53%)	98,200 (51%)	8,270,000 (49%)
Female	820 (47%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,010 (58%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	60 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	660 (32%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	80 (5%)	13,000 (7%)	1,220,000 (7%)
Other	40 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,290 (78%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	790 (46%)	74,100 (38%)	9,120,000 (54%)
No Religion	290 (16%)	22,900 (12%)	4,080,000 (24%)
Sikh	250 (14%)	26,000 (13%)	181,000 (1%)
Muslim	170 (10%)	30,500 (16%)	1,210,000 (7%)
Self-Reported Health			

Heathrow Expansion

People, place and community baseline



Measure	Poyle	Inner study area	London and the South East
Good Health	1,500 (87%)	161,000 (83%)	14,100,000 (84%)
Fair Health	190 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	40 (2%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	175 (10%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.66 Poyle housing baseline data

Measure	Poyle	Inner study area	London and the South East
Households			
Total Number of Households	720	67,300	6,820,000
Accommodation Type			
House	500 (68%)	46,300 (67%)	4,510,000 (64%)
Flats	240 (32%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	400 (55%)	35,300 (52%)	3,980,000 (58%)
Social Rented	20 (3%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	300 (41%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	5 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	1 (0%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	80 (11%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	30 (7%)	3,260 (9%)	126,000 (3%)
Privately Rented	50 (16%)	4,340 (26%)	197,000 (13%)
Social Rented	3 (14%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	230 (32%)	15,800 (23%)	2,050,000 (30%)
One Family	420 (58%)	39,500 (59%)	4,020,000 (59%)
Other	70 (10%)	12,000 (18%)	750,000 (11%)



Heathrow Expansion

People, place and community baseline

Table 9.2.67 Poyle economic baseline data

Measure	Poyle	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,380	143,000	12,400,000
Economic Activity			
Economically Active	1,120 (81%)	103,000 (72%)	8,910,000 (72%)
Unemployed	70 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	220 (15%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	670 (47%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	360 (25%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	190 (13%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	330 (32%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	350 (33%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	370 (35%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	630 (87%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	90 (13%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.68 Poyle community facilities data

Map ref.	Name	Description of facility
PS25	Pippins School	State-funded primary school
P10	The Punch Bowl	Pub
OS33	Pippins Park	Public park with playground, tennis court and basketball court
OS34	Albany Park	Public open space and garden
OS41	Colnbrook Golf Driving Range	Golf driving range, now closed
OS224	Orlitts Lake	Lake used for fishing, includes visitor centre
OS225	Old Slade Lake	Lake used for fishing

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
OS226	Colnbrook West Lake	Lake used for fishing
OS227	Richings Park Shooting Club	Shooting club grounds, accessed by Old Slade Lane, Richings Park

1.18 Colnbrook

Table 9.2.69 Colnbrook demographic baseline data

Measure	Colnbrook	Inner study area	London and the South East
Population			
Total Population	1,840	193,000	16,800,000
Population Growth (2001-2011)	90 (5%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	390 (21%)	41,000 (21%)	3,270,000 (19%)
16-74	1,390 (76%)	143,000 (74%)	12,400,000 (74%)
75+	60 (3%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	930 (51%)	98,200 (51%)	8,270,000 (49%)
Female	910 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,350 (74%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	70 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	270 (15%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	110 (6%)	13,000 (7%)	1,220,000 (7%)
Other	30 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,450 (84%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	1,010 (55%)	74,100 (38%)	9,120,000 (54%)
No Religion	390 (21%)	22,900 (12%)	4,080,000 (24%)
Muslim	150 (8%)	30,500 (16%)	1,210,000 (7%)
Sikh	100 (5%)	26,000 (13%)	181,000 (1%)

Heathrow Expansion

People, place and community baseline



Measure	Colnbrook	Inner study area	London and the South East
Self-Reported Health			
Good Health	1,530 (83%)	161,000 (83%)	14,100,000 (84%)
Fair Health	210 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	100 (6%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	240 (13%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.70 Colnbrook housing baseline data

Measure	Colnbrook	Inner study area	London and the South East
Households			
Total Number of Households	850	67,300	6,820,000
Accommodation Type			
House	480 (55%)	46,300 (67%)	4,510,000 (64%)
Flats	390 (45%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	290 (34%)	35,300 (52%)	3,980,000 (58%)
Social Rented	220 (26%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	290 (34%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	40 (5%)	1,560 (2%)	81,400 (1%)
Living Rent Free	7 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	80 (9%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	9 (3%)	3,260 (9%)	126,000 (3%)
Privately Rented	50 (15%)	4,340 (26%)	197,000 (13%)
Social Rented	20 (11%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	340 (40%)	15,800 (23%)	2,050,000 (30%)
One Family	440 (52%)	39,500 (59%)	4,020,000 (59%)
Other	70 (8%)	12,000 (18%)	750,000 (11%)

Heathrow Expansion

People, place and community baseline



Table 9.2.71 Colnbrook economic baseline data

Measure	Colnbrook	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,390	143,000	12,400,000
Economic Activity			
Economically Active	1,070 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	80 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	290 (20%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	660 (46%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	320 (22%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	180 (12%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	360 (36%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	310 (32%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	320 (32%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	670 (80%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	170 (20%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.72 Colnbrook community facilities data

Map ref.	Name	Description of facility
PS24	Colnbrook Church of England Primary School	State-funded primary school
EC9	Vicarage Way Children's Centre and Library	Children's centre and public library
C8	Colnbrook Village Hall	Village hall and community centre
LB11	Colnbrook Post Office	Post office branch
PW8	Colnbrook and Poyle United Reform Church	Methodist church
PW9	Colnbrook Baptist Chapel	Baptist church

Heathrow Expansion

People, place and community baseline



Map ref.	Name	Description of facility
PW10	St. Thomas's Church	Church of England parish church and churchyard
GP5	Dr. Adam NS and Partners	GP surgery
PH8	Colnbrook Pharmacy	PH8
P7	The Queen's Arms	Pub
P8	The Ostrich Inn	Pub
P9	Ye Olde George	Pub
OS35	Colnbrook Recreation Ground	Public park with playground and grass pitch
OS137	St Thomas's Quiet Garden	Small garden behind church

1.19 Brands Hill

Table 9.2.73 Brands Hill demographic baseline data

Measure	Brands Hill	Inner study area	London and the South East
Population			
Total Population	2,590	193,000	16,800,000
Population Growth (2001-2011)	400 (18%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	610 (23%)	41,000 (21%)	3,270,000 (19%)
16-74	1,930 (74%)	143,000 (74%)	12,400,000 (74%)
75+	60 (2%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	1,330 (51%)	98,200 (51%)	8,270,000 (49%)
Female	1,270 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,270 (49%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	120 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	910 (35%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	230 (9%)	13,000 (7%)	1,220,000 (7%)
Other	70 (3%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,850 (76%)	126,000 (68%)	13,900,000 (86%)

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People, place and community baseline



Measure	Brands Hill	Inner study area	London and the South East
Religion (top 4)			
Christian	1,220 (47%)	74,100 (38%)	9,120,000 (54%)
Muslim	400 (15%)	30,500 (16%)	1,210,000 (7%)
Sikh	330 (13%)	26,000 (13%)	181,000 (1%)
No Religion	310 (12%)	22,900 (12%)	4,080,000 (24%)
Self-Reported Health			
Good Health	2,250 (87%)	161,000 (83%)	14,100,000 (84%)
Fair Health	270 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	80 (3%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	260 (10%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.74 Brands Hill housing baseline data

Measure	Brands Hill	Inner study area	London and the South East
Households			
Total Number of Households	970	67,300	6,820,000
Accommodation Type			
House	660 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	330 (33%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	520 (53%)	35,300 (52%)	3,980,000 (58%)
Social Rented	130 (13%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	310 (32%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	9 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	6 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	90 (10%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	30 (6%)	3,260 (9%)	126,000 (3%)
Privately Rented	40 (14%)	4,340 (26%)	197,000 (13%)
Social Rented	20 (16%)	2,490 (18%)	175,000 (14%)

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People, place and community baseline



Measure	Brands Hill	Inner study area	London and the South East
Household Composition			
One Person	250 (26%)	15,800 (23%)	2,050,000 (30%)
One Family	580 (60%)	39,500 (59%)	4,020,000 (59%)
Other	140 (14%)	12,000 (18%)	750,000 (11%)

Table 9.2.75 Brands Hill economic baseline data

Measure	Brands Hill	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,930	143,000	12,400,000
Economic Activity			
Economically Active	1,500 (78%)	103,000 (72%)	8,910,000 (72%)
Unemployed	120 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	320 (16%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	870 (44%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	520 (26%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	280 (14%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	420 (31%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	440 (33%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	490 (36%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	810 (84%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	160 (16%)	18,900 (28%)	2,020,000 (30%)



Table 9.2.76 Brands Hill community facilities data

Map ref.	Name	Description of facility
C9	Westfield Estate Community Centre	Small council-owned community centre
LB10	Brands Hill Post Office	Post Office branch
LB21	Colnbrook Special Needs Farm	Small animal farm in grounds owned by business, open to public
OS36	Crown Meadow	Public open green space
OS37	Crown Meadow Green	Small green in housing estate
OS38	Severn Crescent tennis court	MUGA, playground, basketball court
OS39	Severn Crescent green	Small green in housing estate
OS40	Trent Road green	Small green in housing estate

1.20 Iver and Richings Park

Table 9.2.77 Iver and Richings Park demographic baseline data

Measure	Iver and Richings Park	Inner study area	London and the South East
Population			
Total Population	2,350	193,000	16,800,000
Population Growth (2001-2011)	340 (17%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	420 (18%)	41,000 (21%)	3,270,000 (19%)
16-74	1,790 (76%)	143,000 (74%)	12,400,000 (74%)
75+	150 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	1,190 (50%)	98,200 (51%)	8,270,000 (49%)
Female	1,170 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,500 (64%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	50 (2%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	730 (31%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	30 (1%)	13,000 (7%)	1,220,000 (7%)

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Measure	Iver and Richings Park	Inner study area	London and the South East
Other	50 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	2,060 (91%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	1,140 (48%)	74,100 (38%)	9,120,000 (54%)
Sikh	440 (19%)	26,000 (13%)	181,000 (1%)
No Religion	350 (15%)	22,900 (12%)	4,080,000 (24%)
Hindu	180 (8%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	2,070 (88%)	161,000 (83%)	14,100,000 (84%)
Fair Health	230 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	60 (3%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	280 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.78 Iver and Richings Park housing baseline data

Measure	Iver and Richings Park	Inner study area	London and the South East
Households			
Total Number of Households	800	67,300	6,820,000
Accommodation Type			
House	740 (89%)	46,300 (67%)	4,510,000 (64%)
Flats	90 (11%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	680 (85%)	35,300 (52%)	3,980,000 (58%)
Social Rented	20 (2%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	90 (11%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	5 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	9 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	30 (3%)	10,100 (15%)	498,000 (7%)

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Measure	Iver and Richings Park	Inner study area	London and the South East
Owner-Occupied	20 (2%)	3,260 (9%)	126,000 (3%)
Privately Rented	7 (7%)	4,340 (26%)	197,000 (13%)
Social Rented	1 (6%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	130 (16%)	15,800 (23%)	2,050,000 (30%)
One Family	570 (70%)	39,500 (59%)	4,020,000 (59%)
Other	110 (13%)	12,000 (18%)	750,000 (11%)

Table 9.2.79 Iver and Richings Park economic baseline data

Measure	Iver and Richings Park	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,790	143,000	12,400,000
Economic Activity			
Economically Active	1,340 (75%)	103,000 (72%)	8,910,000 (72%)
Unemployed	50 (4%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	260 (13%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	880 (45%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	660 (34%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	140 (7%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	660 (52%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	410 (32%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	200 (16%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	760 (95%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	40 (5%)	18,900 (28%)	2,020,000 (30%)

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Table 9.2.80 Iver and Richings Park community facilities data

Map ref.	Name	Description of facility
PW49	St Leonard's Church Richings Park	Church of England parish church
PW51	St Andrew's United Reformed Church	Presbyterian church
LB23	Richings Park Post Office	Post office
S25	Richings Sports Park	Sports club and leisure centre with clubhouse
OS124	Thorney Park Golf Club	Golf course
OS212	Richings Sports Park	Sports fields and sports centre
OS128	Richings Park Golf Course	Golf course
OS213	Thorney Country Park	Nature reserve and lake in Colne Valley Regional Park
OS214	Huntsmoor Park	Public open green space
OS215	Huntsmoor Park Farm	Stud farm
OS216	Farlows Lake	Nature reserve and lake in Colne Valley Regional Park
OS217	Thorney Weir/Mets Lake	Nature reserve and lake in Colne Valley Regional Park
OS222	St Leonard's Mound	Wooded area by St Leonard's Church
OS223	St Leonard's Churchyard	Grounds of St Leonard's Church



2. WIDER STUDY AREA

The wider study area has been defined based on the widest geographical extent of Local Planning Authorities with membership of HSPG or participating as an observer: Hillingdon; Ealing; Hounslow; Spelthorne; Runnymede; Windsor and Maidenhead; Slough; Elmbridge; and South Bucks. Baseline data is also presented for Richmond-upon-Thames, and Wandsworth. Where possible and unless specified otherwise, baseline data is presented alongside averages for the wider study area; London and the South East; and England. The wider study area is shown in Figure 9.2.6.

- 2.1.1 Demographic, housing, economic and health and wellbeing baseline data for each study district is set out in turn within each study district section (Sections 2.2-2.11). Table 9.2.81 – Table 9.2.84 sets out the metrics used, sources, and spatial levels presented.

Table 9.2.81 Wider study area demographic baseline data sources

Measure	Source	Year	Spatial Level
Total Population	Census	2011	District, Wider study area, London and the South East, and England
Population Density			
Population Growth (2001-2011)	Census	2001 and 2011	
Population Projections 2039 (2014 base growth)	ONS	2016	
Self-Identified Ethnicity	Census	2011	
Main Language			
Religion			

Table 9.2.82 Wider study area housing baseline data sources

Measure	Source	Year	Spatial Level
Total Number of Households	Census	2011	District, Wider study area, London and the South East, and England
Accommodation Type			
Accommodation Tenure			
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
Household Composition			
Housing Affordability	ONS – Ratio of House Price to Workplace-Based Earning	2016	District, London, South East, England

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Table 9.2.83 Wider study area economic baseline data sources

Measure	Source	Year	Spatial Level
Total Number of Working Age Residents	Census	2011	District, Wider study area, London and the South East, and England
Economic Activity			
Median Income	CACI – Paycheck Directory	2017	District
Claimant Count	ONS	December 2017	District, Wider study area, London and the South East, and England
Highest Level of Qualification	Census	2011	
Occupation			
Car or Van Availability			
Key Employment Sectors	Business Register and Employment Survey	2016	

Table 9.2.84 Wider study area health and wellbeing baseline data sources

Spatial Areas – Census data based metrics (self-reported health and disability and long-term health problems) are presented at the District, Wider study area, London and South East, and England levels. All other health-based metrics are unavailable at the Wider study area, and London and South East geographies - therefore data has been presented at the District, London, South East and England levels unless otherwise specified (see notes section of Table 9.2.84).

Measure	Source	Year	Notes
Life Expectancy			
Male and female life expectancy at birth based on contemporary mortality rates	ONS	2014-16	
Mortality			
Infant Mortality – Rate of deaths in infants aged under 1 year per 1,000 live births	ONS	2014-16	
Cancer - Age-standardised rate of mortality from all cancers in persons less than 75 years of age per 100,000 population	Public Health England (based on ONS source data)	2014-16	
Cardiovascular Disease - Age-standardised rate of mortality from all cardiovascular diseases in persons less than 75 years of age per 100,000 population	Public Health England (based on ONS source data)	2014-16	Metric includes all cardiovascular diseases including heart disease and stroke
Respiratory Disease - Age-standardised rate of mortality from respiratory disease in persons less than 75 years per 100,000 population	Public Health England (based on ONS source data)	2014-16	
Excess Winter Deaths (EXD) Index – 3 years, all ages	Public Health England (based on ONS source data)	Aug 2013 – Jul 2016	EXD measured as the ratio of extra deaths from all causes that occur in the winter months compared with the expected number of deaths, based on the average of the number of non-

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Measure	Source	Year	Notes
			winter deaths. Winter period defined as December to March.
Disease and Poor Health			
Recorded Diabetes - percentage of QOF-recorded cases of diabetes registered with GP practices aged 17+	Information Centre for Health and Social Care (HSCIC) (QOF)	2014/15	Measure covers but does not distinguish between both Type I and Type II diabetes.
Asthma - QOF prevalence, all ages	HSCIC (QOF)	2015/16	Measure does not include asthmatics that have not been prescribed asthma-related drugs in the previous 12 months. Data is available at CCG NHS area level only - South East regional data for this metric represents the NHS South East area which differs from the government office South East regional area. Spelthorne and Runnymede fall within North West Surrey CCG. Windsor and Maidenhead falls within Ascot, Windsor and Maidenhead CCG. South Bucks falls within Chiltern CCG.
Childhood Health and Wellbeing			
Child Development at age 5 - School Readiness: all children achieving a good level of development at the end of reception as a percentage of all eligible children.	Department for Education (DfE), EYFS Profile: EYFS Profile statistical series	2016/17	Children are defined as having reached a good level of development if they achieve at least the expected level in the early learning goals in the prime areas of learning (personal, social and emotional development; physical development; and communication and language) and the early learning goals in the specific areas of mathematics and literacy. Measure not available at district level. Unitary Authority level has been used in lieu. Spelthorne and Runnymede are covered by Surrey UA and South Bucks is covered by Buckinghamshire UA.
Child Poverty - percentage of children in low income families (children living in families in receipt of out of work benefits or tax credits where their reported income is < 60% median income) for under 16 year olds only	HM Revenue and Customs (Personal Tax Credits: Related Statistics - Child Poverty Statistics)	2014	
Physical Activity in Children – percentage of respondents aged 15 year who are physically active for at least one hour per day seven days a week.	What About YOUTH (WAY) survey	2014/15	Q13 of the WAY survey asked participating 15 years olds “Over the past 7 days, on how many days were you physically active for a total of at least 60 minutes per day?”. Measure not available at district level. UA level has been used in lieu. Spelthorne and Runnymede are covered by Surrey UA and South Bucks is covered by Buckinghamshire UA.

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Measure	Source	Year	Notes
Overweight Children – Prevalence of overweight (including obese) among children in Year 6 (Age 10-11 years)	NHS Digital, National Child Measurement Programme	2016/17	Children are classified as overweight (including obese) if their BMI is on or above the 85th centile of the British 1990 growth reference (UK90) according to age and sex.
Adults Health and Wellbeing			
Smoking Prevalence - percentage of respondents age 18 years + who are self-reported smokers.	Annual Population Survey (APS)	2016	
Physical Activity in Adults - percentage of adults (aged 19+) that meet CMO recommendations for physical activity (150+ moderate intensity equivalent minutes per week).	Public Health England (based on Active Lives, Sport England)	2015/16	Chief Medical Officer recommendations published in Department for Health, 2011. Start Active, Stay Active: A report on physical activity for health from the four home countries'.
Overweight Adults – percentage of adults aged 18 and over classified as overweight or obese	Public Health England (based on Active Lives survey, Sport England)	2015/16	Adults are defined as overweight (including obese) if their body mass index (BMI) is greater than or equal to 25kg/m2.
Depression Prevalence - the percentage of patients aged 18 and over with depression, as recorded on GP practice disease registers	QOF	2015/16	Measure not available at district level. UA level has been used in lieu. Spelthorne and Runnymede are covered by Surrey UA and South Bucks is covered by Buckinghamshire UA.
Self-Reported Health			
General Health – self-assessment of general health to be good ('very good' or 'good'), fair or bad ('bad or 'very bad')	Census	2011	
Disability and Long-Term Health Problems			
Day-to-day activities limited – number of people who reported their day-to-day activities limited a little or a lot by a health problem.	Census	2011	Long-term health problem or disability considered if it has lasted, or is expected to last, at least 12 months, including problems related to old age.

Deprivation

2.1.2 The Government's Indices of Multiple Deprivation (2015) measures deprivation by combining indicators including a range of social, economic and housing factors to give a single deprivation score for each small area across England. These factors are divided among seven domains of deprivation as outlined below:

1. Income;
2. Employment;
3. Education, Skills and Training;



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4. Health Deprivation and Disability;
5. Crime;
6. Barriers to Housing and Services; and
7. Living Environment.

2.1.3 All areas are ranked relative to one another according to their level of deprivation. Figure 9.2.7 shows the single overall Index of Multiple Deprivation. The individual domains for income; employment; education, training and skills; living environment and health deprivation and disability are also presented in Figures 9.2.8, 9.2.9, 9.2.10, 9.2.11 and 9.2.12, respectively. Areas shown in red are within the figures represented the 10% most deprived in England, and those in yellow are within the 20% most deprived.

Crime

2.1.4 Crime per 1,000 population has been calculated using raw crime statistics from the Office of National Statistics (ONS)¹ for the 12 months ending June 2016, and ONS 2016 mid-year population estimates². Total crime offences per 1,000 population for each of the wider study area Districts, and Richmond and Wandsworth are presented in Graphic 9.2.1. A breakdown of total crime offences by violence against the person; sexual offence; robbery; theft offences; criminal damage and arson; and other crimes against society are presented for each study district compared to the wider study area within each study district section (Section 2.2-2.11).

¹ Office for National Statistics, 2018. Record crime data at Community Safety Partnership / Local Planning Authority level. Available online:

<https://www.ons.gov.uk/peoplepopulationandcommunity/crimeandjustice/datasets/recordedcrimedataatcommunitysafetypartnershiplocalauthoritylevel>

² Office for National Statistics, 2017. Population Estimates. Available online:

<https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/populationestimatesforukenglandandwalesscotlandandnorthernireland>



Graphic 9.2.1 Total crime offences per 1,000 population



2.2 Hillingdon

Table 9.2.85 Hillingdon demographic baseline data

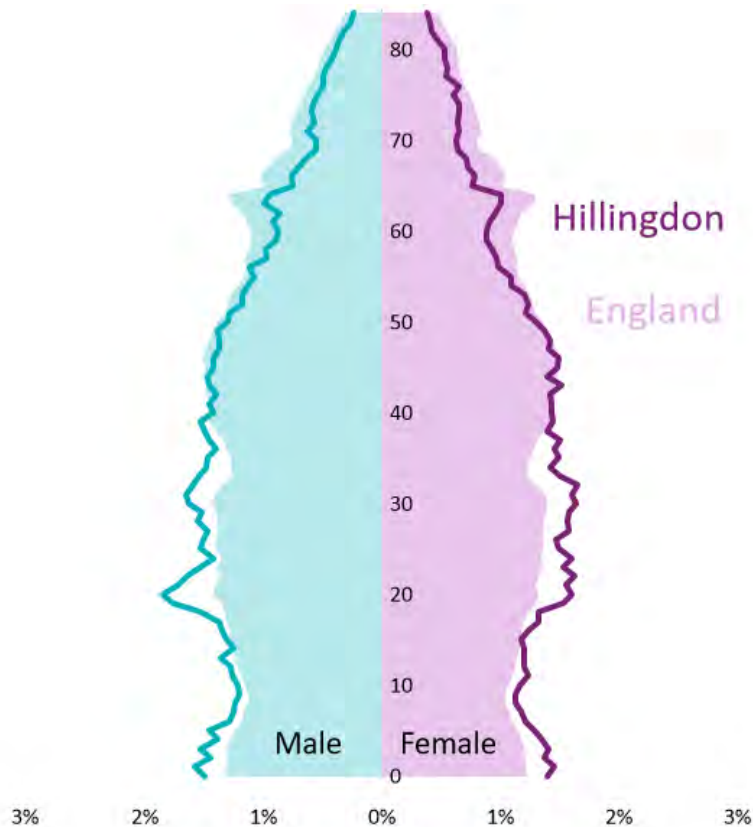
Measure	Hillingdon	Wider study area	London and the South East	England
Population				
Total Population	274,000	1,520,000	16,800,000	53,000,000
Population Density	23.7 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	30,900 (13%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	389,000 (95,900 – 33%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	166,000 (61%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	10,500 (4%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	69,300 (25%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	20,100 (7%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	8,090 (3%)	45,800 (3%)	332,000 (2%)	548,000 (1%)

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Measure	Hillingdon	Wider study area	London and the South East	England
Main Language				
English	213,000 (81%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	135,000 (49%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	46,500 (17%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Muslim	29,100 (11%)	164,000 (11%)	1,210,000 (7%)	2,660,000 (5%)
Hindu	22,000 (8%)	95,300 (6%)	504,000 (3%)	806,000 (2%)

Graphic 9.2.2 Hillingdon population age and gender structure (Census 2011)



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Table 9.2.86 Hillingdon housing baseline data

Measure	Hillingdon	Wider study area	London and the South East	England
Households				
Total Number of Households	100,000	580,000	6,820,000	22,100,000
Accommodation Type				
House	75,900 (73%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	28,000 (27%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	63,000 (63%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	16,800 (17%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	18,100 (18%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	1,280 (1%)	8,400 (1%)	81,400 (1%)	174,000 (1%)
Living Rent Free	1,030 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	9,750 (10%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	3,450 (5%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	3,530 (18%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	2,780 (17%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	25,300 (25%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	62,700 (63%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	12,200 (12%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Hillingdon	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	11.71	11.98	9.75	7.72

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Table 9.2.87 Hillingdon economic baseline data

Measure	Hillingdon	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	200,000	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	142,000 (71%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	8,690 (6%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income (Residents)				
Median Income	£37,197			
Claimant Count (Residents)				
Claimants	2,530 (2.2%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	41,500 (19%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	94,600 (44%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	60,900 (28%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	20,000 (9%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	52,600 (40%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	42,400 (33%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	35,300 (27%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	77,500 (77%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	22,700 (23%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)

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Measure	Hillingdon	Wider Study Area	South East	England
Key Employment Sectors (Jobs) (top 3)				
Transport and Storage	31,500 (17%)	108,000 (13%)	443,000 (5%)	1,270,000 (5%)
Businesses Administration & Support Services	28,500 (15%)	94,000 (11%)	907,000 (10%)	2,340,000 (9%)
Professional, Scientific & Technical	18,000 (10%)	86,500 (10%)	1,110,000 (12%)	2,290,000 (9%)

Table 9.2.88 Hillingdon health and wellbeing baseline data

Measure	Hillingdon	London	South East	England
Life Expectancy				
Male	80.8	80.4	80.6	79.5
Female	83.8	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	2.0	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	126.5	126.8	126.9
	Cardiovascular Disease	72.5	74.9	61.5
	Respiratory Disease	27.7	30.3	28.1
Excess Winter Deaths - index	11.1	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	6.7%	6.1%	5.7%	6.4%
Asthma Prevalence	4.9%	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	72.6%	73.0%	74.0%	70.7%
Child Poverty	19.9%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	15.0%	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	38.0%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	15.2%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	58.1%	64.6%	67.3%	64.9%
Overweight Adults – including obese	55.8%	55.2%	59.7%	61.3%

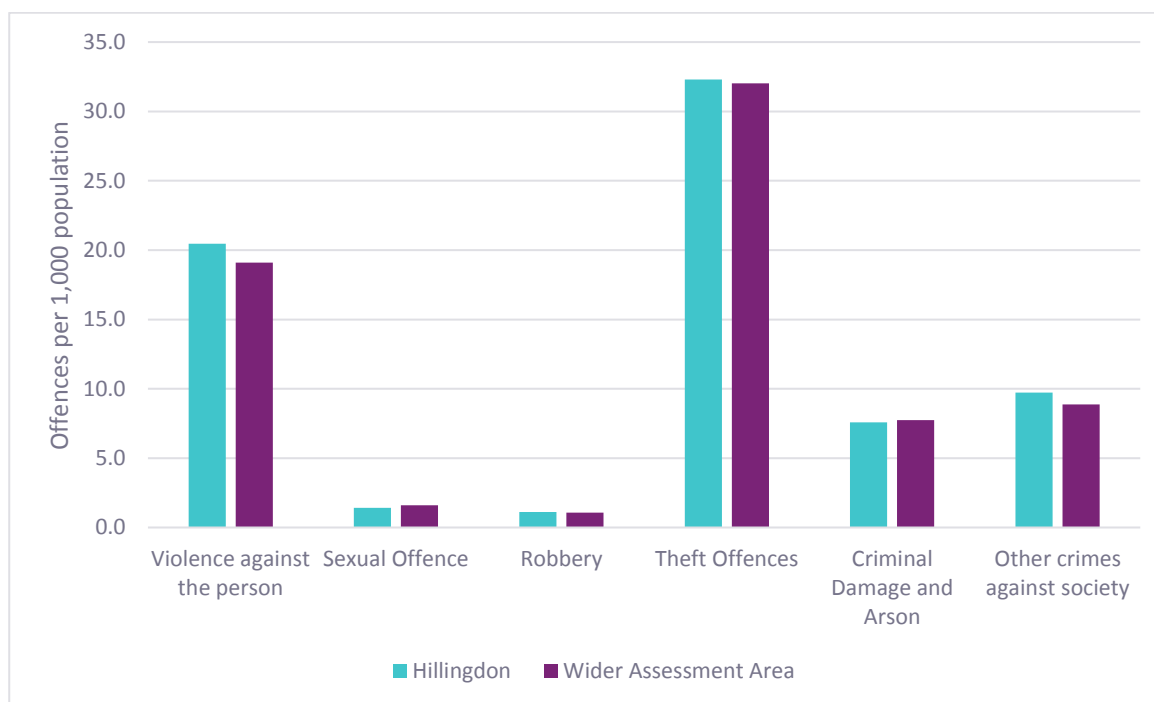
Heathrow Expansion

People, place and community baseline



Measure	Hillingdon	London	South East	England
Depression Prevalence	6.6%	6.0%	8.4%	8.3%
Measure	Hillingdon	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	230,000 (84%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health	31,500 (11%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	12,200 (4%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	39,200 (14%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Graphic 9.2.3 Hillingdon crime per 1,000 population





2.3 Ealing

Table 9.2.89 Ealing demographic baseline data

Measure	Ealing	Wider study area	London and the South East	England
Population				
Total Population	338,000	1,520,000	16,800,000	53,000,000
Population Density	61.0 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	37,500 (12%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	400,000 (58,200 – 17%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	166,000	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	15,100	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	100,000	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	36,900	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	20,300	45,800 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	213,000 (66%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	148,000 (44%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
Muslim	53,200 (16%)	271,000 (18%)	1,210,000 (7%)	2,660,000 (5%)
No Religion	50,800 (15%)	164,000 (11%)	4,080,000 (24%)	13,100,000 (25%)
Hindu	28,900 (9%)	95,300 (6%)	504,000 (3%)	806,000 (2%)



Graphic 9.2.4 Ealing population age and gender structure (Census 2011)

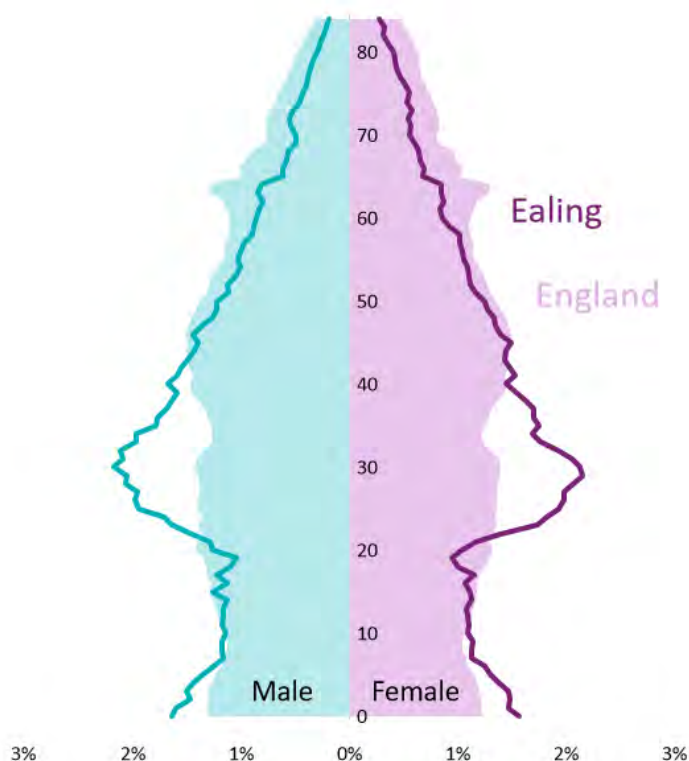


Table 9.2.90 Ealing housing baseline data

Measure	Ealing	Wider study area	London and the South East	England
Households				
Total Number of Households	124,100	580,000	6,820,000	22,100,000
Accommodation Type				
House	69,600 (54%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	58,400 (46%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	63,400 (51%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	22,500 (18%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	34,200 (28%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	2,170 (2%)	8,400 (1%)	81,400 (1%)	174,000 (1%)
Living Rent Free	1,830 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				



Heathrow Expansion

People, place and community baseline

Measure	Ealing	Wider study area	London and the South East	England
All Tenures	17,300 (14%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	4,790 (7%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	8,010 (22%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	4,510 (20%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	35,300 (28%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	66,900 (54%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	21,900 (18%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Ealing	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	15.79	11.98	9.75	7.72

Table 9.2.91 Ealing economic baseline data

Measure	Ealing	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	253,000	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	181,000 (71%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	13,200 (7%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£38,333			
Claimant Count (Residents)				
Claimants	4,920 (2.2%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	44,400 (16%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	84,600 (31%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)

Heathrow Expansion

People, place and community baseline



Measure	Ealing	Wider study area	London and the South East	England
Further and Higher Education	99,800 (37%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	40,700 (15%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	75,900 (46%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	46,300 (28%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	42,600 (26%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	80,200 (65%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	43,800 (35%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 5)				
Professional, Scientific & Technical	13,000 (10%)	86,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Retail	13,000 (10%)	64,000 (7%)	778,000 (8%)	2,410,000 (9%)
Manufacturing	12,500 (9%)	40,500 (5%)	373,000 (4%)	2,050,000 (8%)
Business Administration & Support Services	12,500 (9%)	94,000 (11%)	907,000 (10%)	2,340,000 (9%)
Health	12,500 (9%)	71,000 (8%)	990,000 (11%)	3,260,000 (13%)

Table 9.2.92 Ealing health and wellbeing baseline data

Measure	Ealing	London	South East	England
Life Expectancy				
Male	80.7	80.4	80.6	79.5
Female	84.2	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	2.6	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	123.7	126.8	126.9
	Cardiovascular Disease	79.8	74.9	61.5
	Respiratory Disease	32.1	30.3	28.1

Heathrow Expansion

People, place and community baseline



Measure	Ealing	London	South East	England
Excess Winter Deaths - index	16.0	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	7.4%	6.1%	5.7%	6.4%
Asthma Prevalence	4.9%	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	71.5%	73.0%	74.0%	70.7%
Child Poverty	21.0%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	10.3%	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	38.2%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	15.4%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	61.7%	64.6%	67.3%	64.9%
Overweight Adults – including obese	56.6%	55.2%	59.7%	61.3%
Depression Prevalence	4.6%	6.0%	8.4%	8.3%
Measure	Ealing	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	283,000 (84%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health	38,400 (11%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	16,900 (5%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	47,800 (14%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Heathrow Expansion
People, place and community baseline



Graphic 9.2.5 Ealing crime per 1,000 population



2.4 Hounslow

Table 9.2.93 Hounslow demographic baseline data

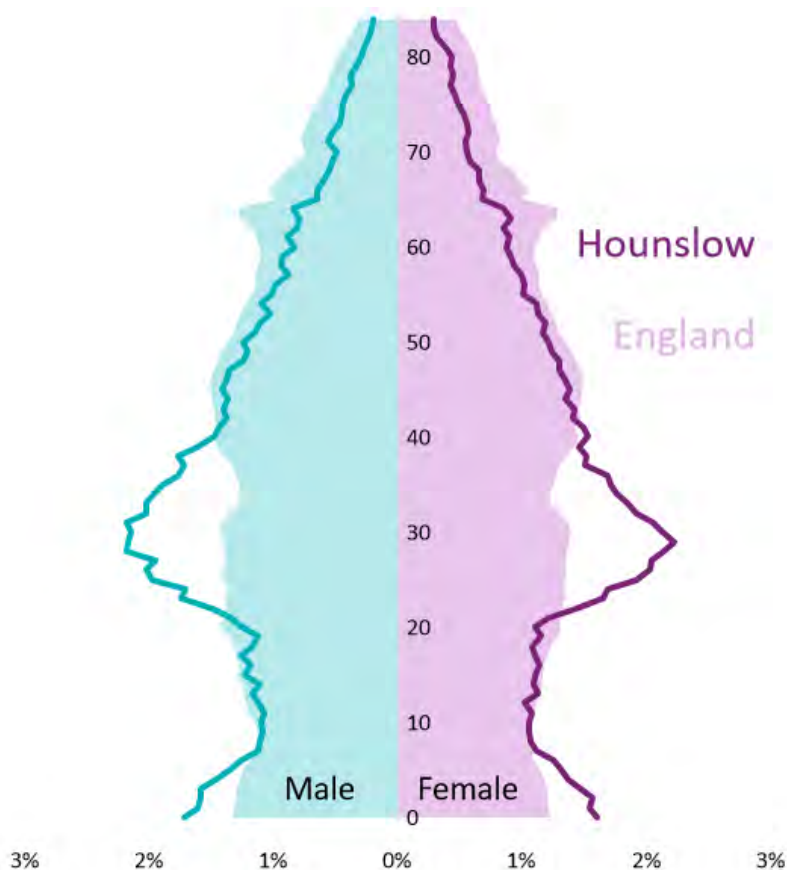
Measure	Hounslow	Wider study area	London and the South East	England
Population				
Total Population	254,000	1,520,000	16,800,000	53,000,000
Population Density	45.4	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	41,600 (20%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	339,000 (73,000 – 27%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	131,000 (51%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	10,300 (4%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	87,300 (34%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	16,800 (7%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)

Heathrow Expansion
 People, place and community baseline



Measure	Hounslow	Wider study area	London and the South East	England
Other	9,030 (4%)	45,800 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	172,000 (71%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	107,000 (42%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	40,400 (16%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Muslim	35,700 (14%)	164,000 (11%)	1,210,000 (7%)	2,660,000 (5%)
Hindu	26,300 (10%)	95,300 (6%)	504,000 (3%)	806,000 (2%)

Graphic 9.2.6 Hounslow population age and gender structure (Census 2011)



Heathrow Expansion

People, place and community baseline



Table 9.2.94 Hounslow housing baseline data

Measure	Hounslow	Wider study area	London and the South East	England
Households				
Total Number of Households	94,900	580,000	6,820,000	22,100,000
Accommodation Type				
House	55,300 (57%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	41,800 (43%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	47,600 (50%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	21,700 (23%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	22,200 (23%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	2,250 (2%)	8,400 (1%)	81,400 (1%)	174,000 (1%)
Living Rent Free	1,210 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	12,000 (13%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	3,470 (7%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	4,860 (21%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	3,640 (17%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	26,000 (27%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	53,600 (57%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	15,300 (16%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Hounslow	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	10.73	11.98	9.75	7.72

Heathrow Expansion

People, place and community baseline



Table 9.2.95 Hounslow economic baseline data

Measure	Hounslow	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	190,000	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	138,000 (73%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	8,820 (6%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£36,783			
Claimant Count (Residents)				
Claimants	4,910 (2.7%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	35,100 (17%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	70,300 (35%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	70,000 (35%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	27,100 (13%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	53,900 (42%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	36,500 (29%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	36,600 (29%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	64,900 (68%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	30,000 (32%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Transport and Storage	41,500 (24%)	108,000 (13%)	443,000 (5%)	1,270,000 (5%)
Information and Communication	24,500 (14%)	63,500 (9%)	655,000 (7%)	1,130,000 (4%)

Heathrow Expansion

People, place and community baseline



Measure	Hounslow	Wider study area	London and the South East	England
Businesses Administration & Support Services	19,000 (11%)	94,000 (11%)	907,000 (10%)	2,340,000 (9%)

Table 9.2.96 Hounslow health and wellbeing baseline data

Measure	Hounslow	London	South East	England
Life Expectancy				
Male	80.0	80.4	80.6	79.5
Female	84.3	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	3.9	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	121.2	126.8	126.9
	Cardiovascular Disease	78.6	74.9	61.5
	Respiratory Disease	34.2	30.3	28.1
Excess Winter Deaths - index	18.2	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	6.8%	6.1%	5.7%	6.4%
Asthma Prevalence	4.4%	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	71.0%	73.0%	74.0%	70.7%
Child Poverty	21.4%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	11.1%	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	39.9%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	13.8%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	57.2%	64.6%	67.3%	64.9%
Overweight Adults – including obese	59.2%	55.2%	59.7%	61.3%
Depression Prevalence	5.1%	6.0%	8.4%	8.3%

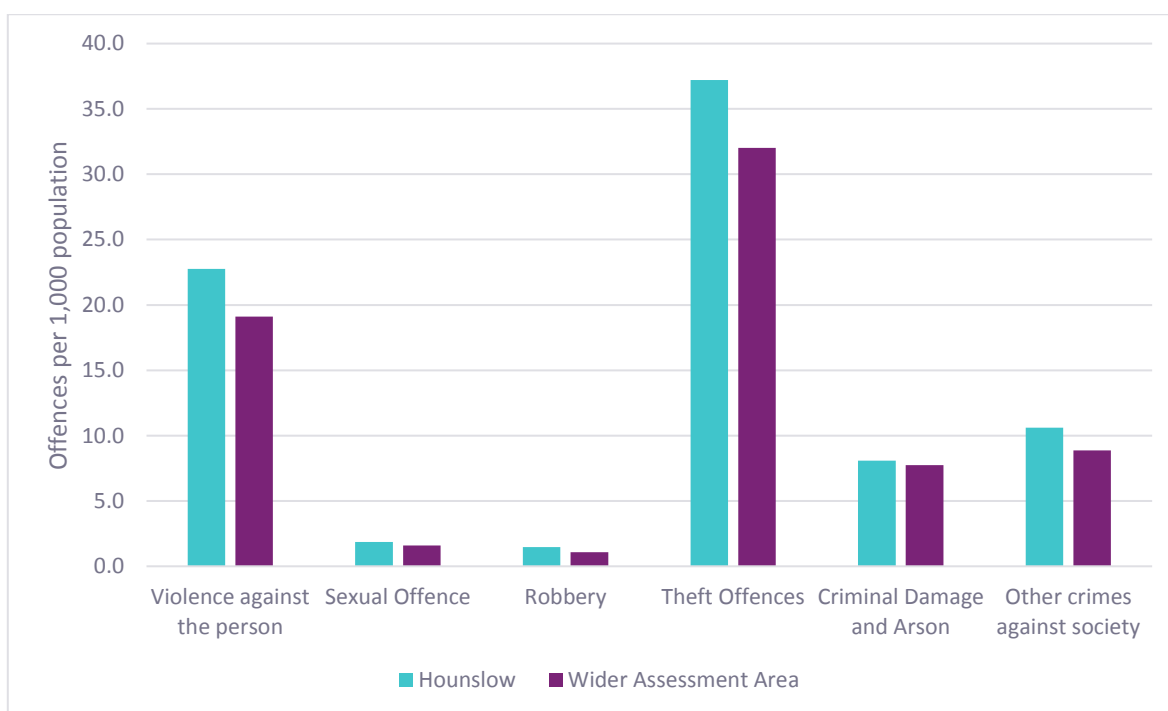
Heathrow Expansion

People, place and community baseline



Measure	Hounslow	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	214,000 (84%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health	28,600 (11%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	11,900 (5%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	35,000 (14%)	194,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Graphic 9.2.7 Hounslow crime per 1,000 population





2.5 Spelthorne

Table 9.2.97 Spelthorne demographic baseline data

Measure	Spelthorne	Wider study area	London and the South East	England
Population				
Total Population	95,600	1,520,000	16,800,000	53,000,000
Population Density	21.3 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	5,210 (6%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	119,000 (20,400 – 21%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	83,500 (87%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	2,380 (2%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	7,300 (8%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	1,550 (2%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	920 (1%)	45,800 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	86,100 (94%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	61,000 (64%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	21,500 (23%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Hindu	2,330 (2%)	95,300 (6%)	504,000 (3%)	806,000 (2%)
Muslim	1,810 (2%)	164,000 (11%)	1,210,000 (7%)	2,660,000 (5%)



Graphic 9.2.8 Spelthorne population age and gender structure (Census 2011)

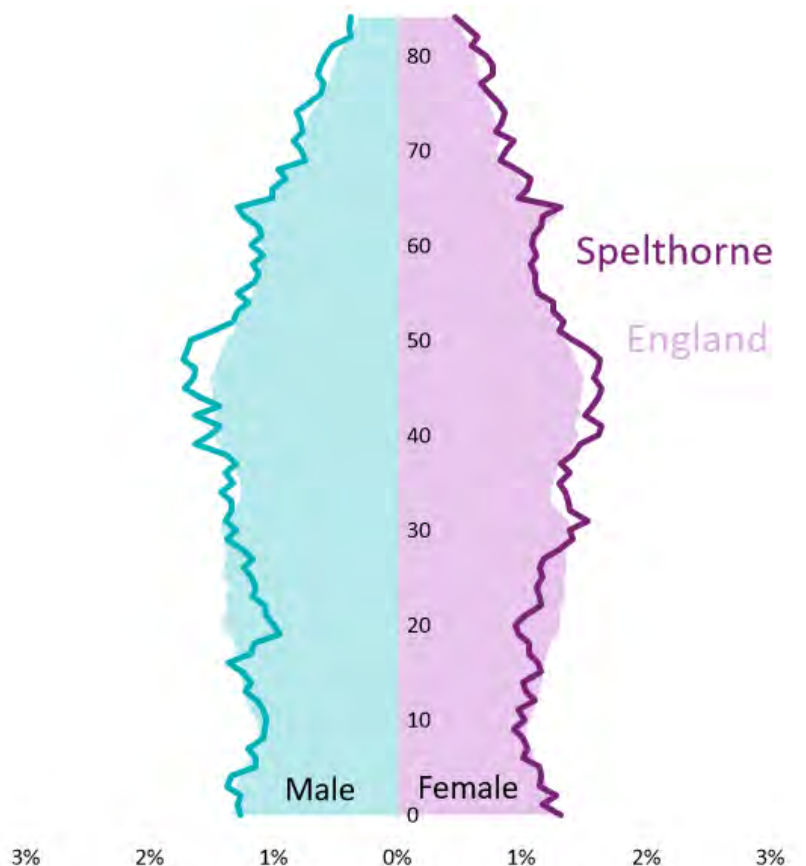


Table 9.2.98 Spelthorne housing baseline data

Measure	Spelthorne	Wider study area	London and the South East	England
Households				
Total Number of Households	39,500	580,000	6,820,000	22,100,000
Accommodation Type				
House	30,800 (75%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	9,890 (24%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	28,700 (73%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	4,910 (12%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	5,000 (13%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	540 (1%)	8,400 (1%)	81,400 (1%)	174,000 (1%)

Heathrow Expansion

People, place and community baseline



Measure	Spelthorne	Wider study area	London and the South East	England
Living Rent Free	390 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	1,710 (4%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	660 (2%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	490 (9%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	550 (11%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	11,300 (29%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	25,300 (64%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	2,980 (8%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Spelthorne	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	10.90	11.98	9.75	7.72

Table 9.2.99 Spelthorne economic baseline data

Measure	Spelthorne	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	69,900	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	52,800 (75%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	2,280 (4%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£41,124			
Claimant Count (Residents)				
Claimants	560 (0.9%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	15,900 (20%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)

Heathrow Expansion

People, place and community baseline



Measure	Spelthorne	Wider study area	London and the South East	England
GCSEs and A Level equivalent	37,000 (47%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	20,300 (26%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	4,830 (6%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	21,500 (43%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	17,300 (34%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	11,400 (23%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	33,700 (85%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	5,860 (15%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Transport and Storage	4,500 (12%)	108,000 (13%)	443,000 (5%)	1,270,000 (5%)
Businesses Administration & Support Services	4,000 (10%)	94,000 (11%)	907,000 (10%)	2,340,000 (9%)
Retail	4,000 (10%)	64,000 (7%)	778,000 (8%)	390,000 (8%)

Table 9.2.100 Spelthorne health and wellbeing baseline data

Measure	Spelthorne	London	South East	England
Life Expectancy				
Male	80.6	80.4	80.6	79.5
Female	83.9	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	3.6	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	127.9	126.8	126.9
	Cardiovascular Disease	64.9	74.9	61.5
	Respiratory Disease	24.7	30.3	28.1

Heathrow Expansion

People, place and community baseline



Measure	Spelthorne	London	South East	England
Excess Winter Deaths - index	16.0	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	6.2%	6.1%	5.7%	6.4%
Asthma Prevalence	4.8% (NW Surrey CCG)	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	77.3% (Surrey)	73.0%	74.0%	70.7%
Child Poverty	13.9%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	15.3% (Surrey)	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	32.3%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	18.6%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	61.0%	64.6%	67.3%	64.9%
Overweight Adults – including obese	62.7%	55.2%	59.7%	61.3%
Depression Prevalence	7.2% (Surrey)	6.0%	8.4%	8.3%
Measure	Spelthorne	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	80,200 (84%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health	11,500 (12%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	3,920 (4%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	14,300 (15%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)



Graphic 9.2.9 Spelthorne crime per 1,000 population



2.6 Runnymede

Table 9.2.101 Runnymede demographic baseline data

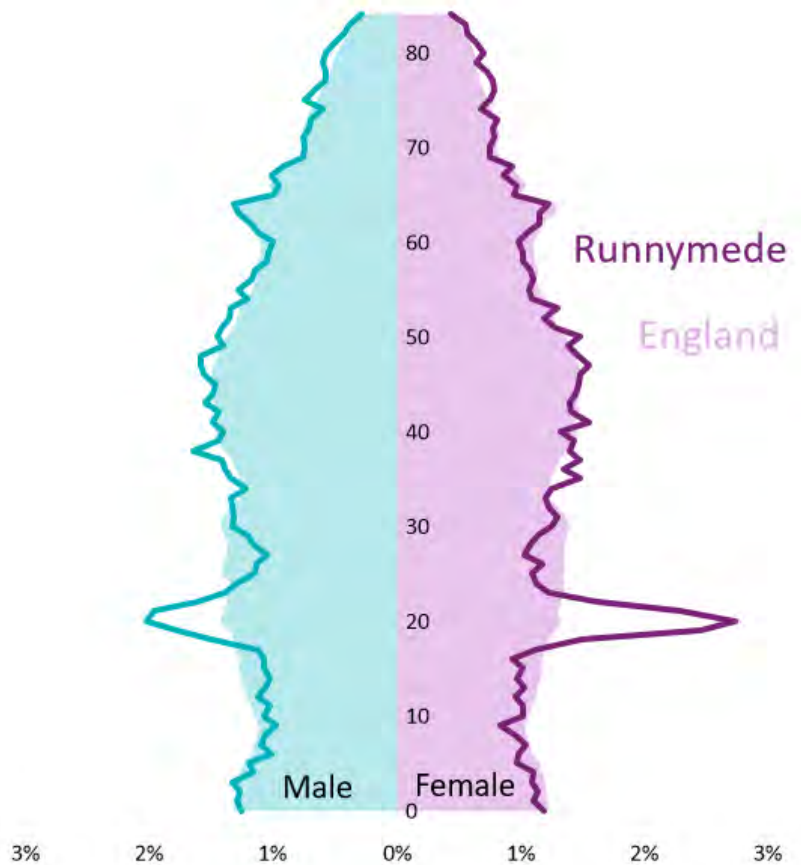
Measure	Runnymede	Wider study area	London and the South East	England
Population				
Total Population	80,500	1,520,000	16,800,000	53,000,000
Population Density	10.3 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	2,480 (8%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	104,000 (19,700 – 23%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	71,600 (89%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	1,670 (2%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	5,560 (7%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	860 (1%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	780 (1%)	45,800 (3%)	332,000 (2%)	548,000 (1%)

Heathrow Expansion
People, place and community baseline



Measure	Runnymede	Wider study area	London and the South East	England
Main Language				
English	71,300 (92%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	51,000 (63%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	19,300 (24%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Muslim	1,560 (2%)	164,000 (11%)	1,210,000 (7%)	2,660,000 (5%)
Hindu	1,180 (1%)	95,300 (6%)	504,000 (3%)	806,000 (2%)

Graphic 9.2.10 Runnymede population age and gender structure (Census 2011)



Heathrow Expansion

People, place and community baseline



Table 9.2.102 Runnymede housing baseline data

Measure	Runnymede	Wider study area	London and the South East	England
Households				
Total Number of Households	32,700	580,000	6,820,000	22,100,000
Accommodation Type				
House	25,800 (75%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	7,370 (21%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	22,700 (69%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	4,210 (13%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	4,970 (15%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	330 (1%)	8,400 (1%)	81,400 (1%)	174,000 (1%)
Living Rent Free	470 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	1,090 (3%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	400 (2%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	370 (7%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	320 (8%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	9,840 (30%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	20,100 (61%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	2,820 (9%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Runnymede	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	10.43	11.98	9.75	7.72

Heathrow Expansion

People, place and community baseline



Table 9.2.103 Runnymede economic baseline data

Measure	Runnymede	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	59,800	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	42,800 (72%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	1,630 (4%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£43,381			
Claimant Count (Residents)				
Claimants	370 (0.6%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	12,200 (18%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	30,400 (46%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	19,900 (30%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	4,080 (6%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	19,000 (47%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	12,900 (32%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	8,730 (21%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	27,900 (85%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	4,810 (15%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 4)				
Professional, Scientific & Technical	7,500 (12%)	86,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Health	7,500 (12%)	71,000 (8%)	990,000 (11%)	3,260,000 (13%)

Heathrow Expansion

People, place and community baseline



Measure	Runnymede	Wider study area	London and the South East	England
Information & Communication	6,000 (10%)	73,500 (9%)	655,000 (7%)	1,130,000 (4%)
Mining, Quarrying & Utilities	6,000 (10%)	13,000 (2%)	79,500 (1%)	286,000 (1%)

Table 9.2.104 Runnymede health and wellbeing baseline data

Measure	Runnymede	London	South East	England
Life Expectancy				
Male	81.2	80.4	80.6	79.5
Female	84.8	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	1.7	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	132.6	126.8	126.9
	Cardiovascular Disease	57.5	74.9	61.5
	Respiratory Disease	29.1	30.3	28.1
Excess Winter Deaths - index	18.3	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	5.7%	6.1%	5.7%	6.4%
Asthma Prevalence	4.8% (NW Surrey CCG)	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	77.3% (Surrey)	73.0%	74.0%	70.7%
Child Poverty	12.2%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	15.3% (Surrey)	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	28.4%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	14.0%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	64.2%	64.6%	67.3%	64.9%
Overweight Adults – including obese	60.3%	55.2%	59.7%	61.3%
Depression Prevalence	7.2% (Surrey)	6.0%	8.4%	8.3%

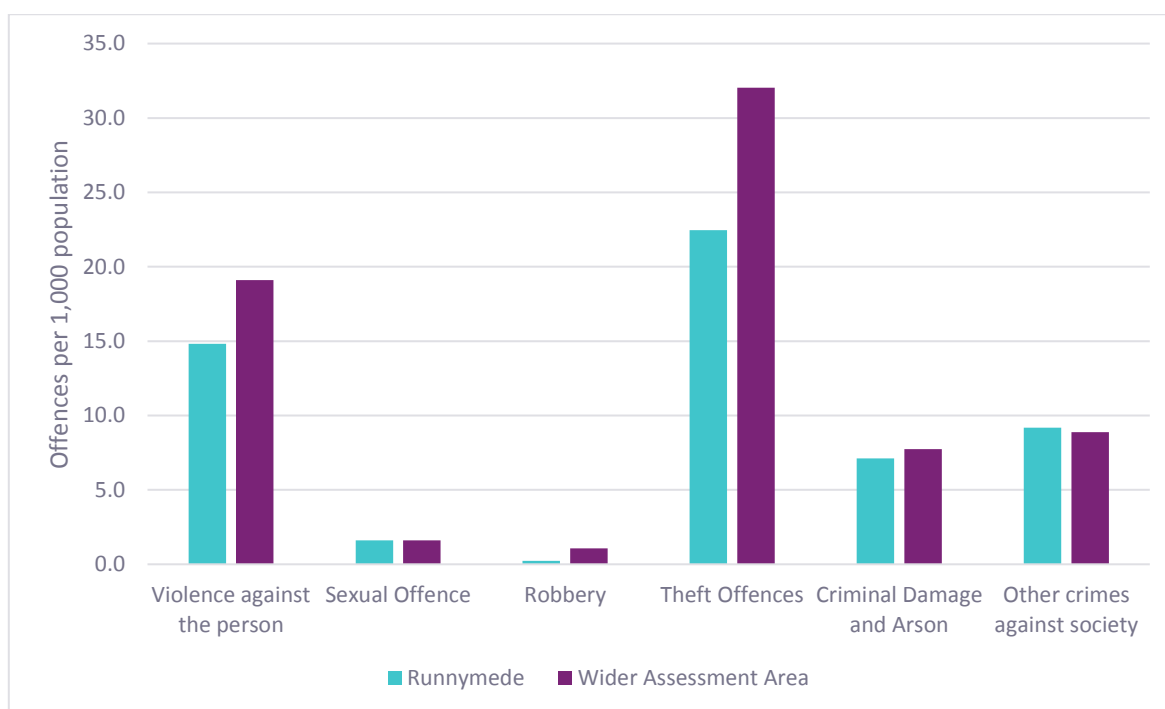
Heathrow Expansion

People, place and community baseline



Measure	Runnymede	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	68,800 (85%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health	8,770 (11%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	2,970 (4%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	11,200 (14%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Graphic 9.2.11 Runnymede crime per 1,000 population





2.7 Windsor and Maidenhead

Table 9.2.105 Windsor and Maidenhead demographic baseline data

Measure	Windsor and Maidenhead	Wider study area	London and the South East	England
Population				
Total Population	145,000	1,520,000	16,800,000	53,000,000
Population Density	7.4 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	10,900 (8%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	169,000 (21,900 – 15%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	125,000 (86%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	3,320 (2%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	13,800 (10%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	1,730 (1%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	1,170 (1%)	45,800 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	129,000 (93%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	90,100 (62%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	31,400 (22%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Muslim	5,680 (4%)	164,000 (11%)	1,210,000 (7%)	2,660,000 (5%)
Sikh	2,940 (2%)	95,300 (6%)	181,000 (1%)	420,000 (1%)

Heathrow Expansion
People, place and community baseline



Graphic 9.2.12 Windsor and Maidenhead population age and gender structure (Census 2011)

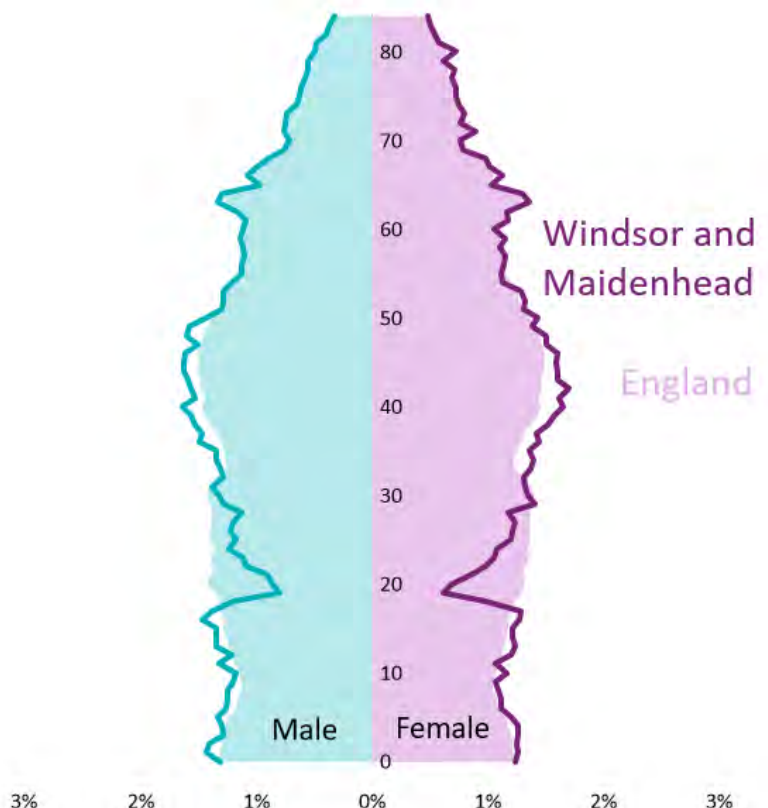


Table 9.2.106 Windsor and Maidenhead housing baseline data

Measure	Windsor and Maidenhead	Wider study area	London and the South East	England
Households				
Total Number of Households	58,300	580,000	6,820,000	22,100,000
Accommodation Type				
House	45,900 (75%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	14,400 (24%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	39,700 (68%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	7,750 (13%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	9,430 (16%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	360 (1%)	8,400 (1%)	81,400 (1%)	174,000 (1%)

Heathrow Expansion

People, place and community baseline



Measure	Windsor and Maidenhead	Wider study area	London and the South East	England
Living Rent Free	1,140 (2%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	2,110 (4%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	700 (2%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	650 (6%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	750 (10%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	16,600 (28%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	37,600 (64%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	4,180 (7%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Windsor and Maidenhead	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	13.79	11.98	9.75	7.72

Table 9.2.107 Windsor and Maidenhead economic baseline data

Measure	Windsor and Maidenhead	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	104,000	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	77,700 (74%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	3,290 (4%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£49,659			
Claimant Count (Residents)				
Claimants	640 (0.7%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	18,100 (16%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)

Heathrow Expansion

People, place and community baseline



Measure	Windsor and Maidenhead	Wider study area	London and the South East	England
GCSEs and A Level equivalent	46,500 (40%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	44,500 (38%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	6,720 (6%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	41,500 (56%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	19,900 (27%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	12,500 (17%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	50,600 (87%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	7,780 (13%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Professional, Scientific & Technical	11,000 (13%)	86,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Information & Communication	8,500 (10%)	73,500 (9%)	655,000 (7%)	1,130,000 (4%)
Education	7,500 (9%)	60,000 (7%)	788,000 (9%)	2,290,000 (9%)

Table 9.2.108 Windsor and Maidenhead health and wellbeing baseline data

Measure	Windsor and Maidenhead	London	South East	England
Life Expectancy				
Male	81.6	80.4	80.6	79.5
Female	84.6	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	3.8	3.2	3.2	3.9
Under 75	Cancer	118.4	126.8	126.9
	Cardiovascular Disease	54.3	74.9	61.5

Heathrow Expansion

People, place and community baseline



Measure		Windsor and Maidenhead	London	South East	England
Mortality Rate – per 100,000 population	Respiratory Disease	22.0	30.3	28.1	33.8
Excess Winter Deaths - index		11.2	17.2	17.4	17.9
Disease and Poor Health					
Recorded Diabetes		5.0%	6.1%	5.7%	6.4%
Asthma Prevalence		5.2% (Ascot, Windsor and Maidenhead CCG)	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing					
Child Development at age 5 - achieved school readiness		76.7%	73.0%	74.0%	70.7%
Child Poverty		9.3%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)		18.3%	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)		30.5%	34.2%	30.6%	34.2%
Adults Health and Wellbeing					
Smoking Prevalence		12.2%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week		69.4%	64.6%	67.3%	64.9%
Overweight Adults – including obese		52.2%	55.2%	59.7%	61.3%
Depression Prevalence		6.2%	6.0%	8.4%	8.3%
Measure		Windsor and Maidenhead	Wider study area	London and the South East	England
Self-Reported Health					
Good Health		125,000 (87%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health		14,200 (10%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health		4,950 (3%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems					
Day-to-day activities limited		18,400 (13%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)



Graphic 9.2.13 Windsor and Maidenhead crime per 1,000 population



2.8 Slough

Table 9.2.109 Slough demographic baseline data

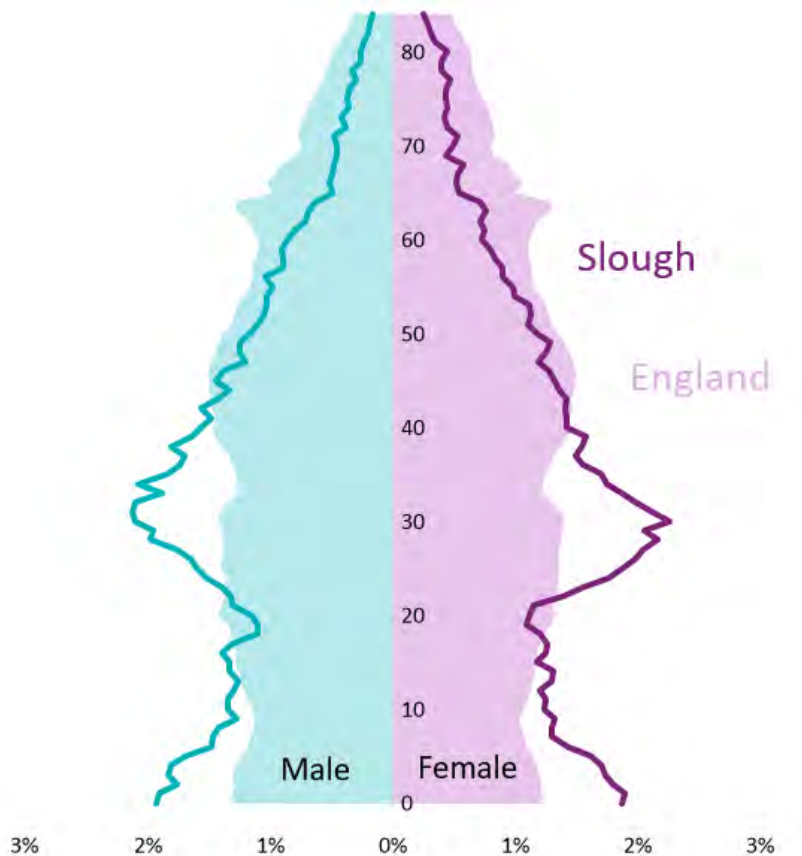
Measure	Slough	Wider study area	London and the South East	England
Population				
Total Population	140,000	1,520,000	16,800,000	53,000,000
Population Density	43.1 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	21,100 (18%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	172,000 (27,800 – 19%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	64,100 (46%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	4,760 (3%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	55,700 (40%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	12,100 (9%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	3,580 (3%)	45,800 (3%)	332,000 (2%)	548,000 (1%)

Heathrow Expansion
People, place and community baseline



Measure	Slough	Wider study area	London and the South East	England
Main Language				
English	96,500 (73%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	57,700 (41%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
Muslim	32,700 (23%)	271,000 (18%)	1,210,000 (7%)	2,660,000 (5%)
No Religion	17,000 (12%)	164,000 (11%)	4,080,000 (24%)	13,100,000 (25%)
Sikh	14,900 (11%)	95,300 (6%)	181,000 (1%)	420,000 (1%)

Graphic 9.2.14 Slough Population age and gender structure (Census 2011)



Heathrow Expansion

People, place and community baseline



Table 9.2.110 Slough housing baseline data

Measure	Slough	Wider study area	London and the South East	England
Households				
Total Number of Households	50,800	580,000	6,820,000	22,100,000
Accommodation Type				
House	34,300 (66%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	17,600 (34%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	26,800 (53%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	10,500 (21%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	12,300 (24%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	690 (1%)	8,400 (1%)	81,400 (1%)	174,000 (1%)
Living Rent Free	500 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	6,420 (13%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	2,350 (9%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	2,650 (21%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	1,420 (14%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	14,400 (28%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	29,300 (58%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	6,990 (14%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Slough	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	8.86	11.98	9.75	7.72

Heathrow Expansion

People, place and community baseline



Table 9.2.111 Slough economic baseline data

Measure	Slough	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	100,000	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	73,800 (73%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	5,440 (7%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£34,352			
Claimant Count (Residents)				
Claimants	1,230 (1.3%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	21,400 (20%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	43,100 (40%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	27,600 (26%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	14,600 (14%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	23,400 (35%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	20,400 (30%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	23,500 (35%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	38,900 (77%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	11,900 (23%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Transport and Storage	11,500 (14%)	108,000 (13%)	443,000 (5%)	1,270,000 (5%)
Information & Communication	9,500 (12%)	73,500 (9%)	655,000 (7%)	1,130,000 (4%)

Heathrow Expansion

People, place and community baseline



Measure	Slough	Wider study area	London and the South East	England
Businesses Administration & Support Services	9,500 (12%)	94,000 (11%)	907,000 (10%)	2,340,000 (9%)

Table 9.2.112 Slough health and wellbeing baseline data

Measure	Slough	London	South East	England
Life Expectancy				
Male	78.1	80.4	80.6	79.5
Female	82.7	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	4.2	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	149.3	126.8	126.9
	Cardiovascular Disease	103.9	74.9	61.5
	Respiratory Disease	43.7	30.3	28.1
Excess Winter Deaths - index	14.5	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	8.4%	6.1%	5.7%	6.4%
Asthma Prevalence	5.2%	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	71.2%	73.0%	74.0%	70.7%
Child Poverty	19.4%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	13.5%	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	41.5%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	18.0%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	58.4%	64.6%	67.3%	64.9%
Overweight Adults – including obese	65.6%	55.2%	59.7%	61.3%
Depression Prevalence	6.0%	6.0%	8.4%	8.3%

Heathrow Expansion

People, place and community baseline



Measure	Slough	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	118,000 (84%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health	16,300 (12%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	6,300 (4%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	18,800 (13%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Graphic 9.2.15 Slough crime per 1,000 population





2.9 South Bucks

Table 9.2.113 South Bucks demographic baseline data

Measure	South Bucks	Wider study area	London and the South East	England
Population				
Total Population	66,900	1,520,000	16,800,000	53,000,000
Population Density	4.7 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	4,920 (8%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	83,300 (14,800 – 22%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	56,400 (84%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	1,610 (2%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	7,530 (11%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	710 (1%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	650 (1%)	45,800 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	61,000 (94%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	41,600 (62%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	13,300 (20%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Sikh	3,160 (5%)	164,000 (11%)	181,000 (1%)	420,000 (1%)
Hindu	1,690 (3%)	95,300 (6%)	504,000 (3%)	806,000 (2%)



Graphic 9.2.16 South Bucks population age and gender structure (Census 2011)

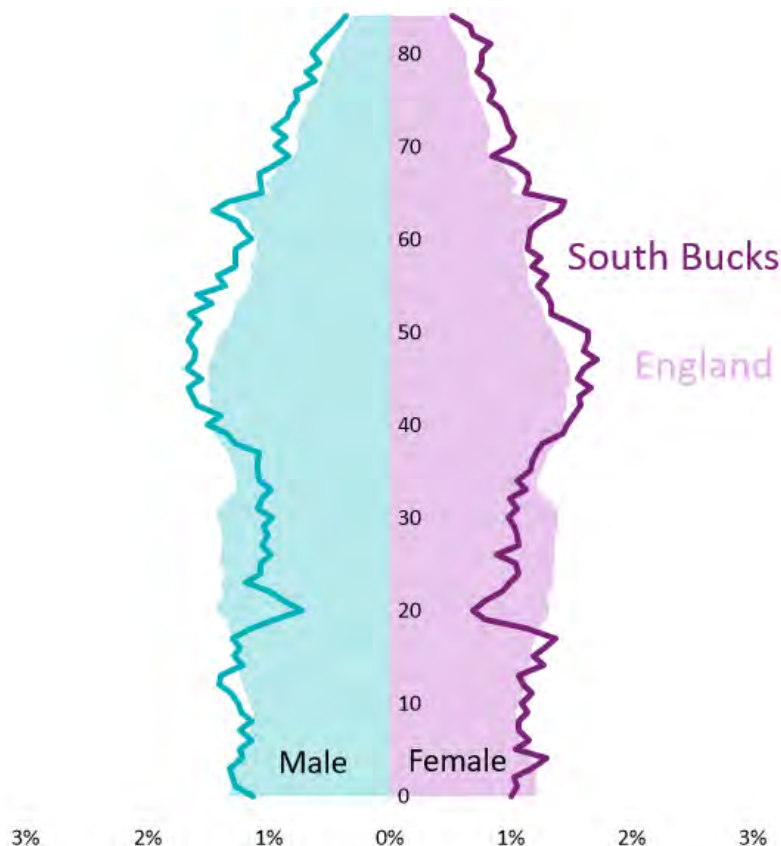


Table 9.2.114 South Bucks housing baseline data

Measure	South Bucks	Wider study area	London and the South East	England
Households				
Total Number of Households	26,500	580,000	6,820,000	22,100,000
Accommodation Type				
House	21,900 (79%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	5,360 (19%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	19,500 (73%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	3,270 (12%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	3,010 (11%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	400 (2%)	8,400 (1%)	81,400 (1%)	174,000 (1%)

Heathrow Expansion

People, place and community baseline



Measure	South Bucks	Wider study area	London and the South East	England
Living Rent Free	380 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	680 (3%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	300 (2%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	170 (5%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	210 (6%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	7,140 (27%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	17,500 (66%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	1,920 (7%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	South Bucks	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	18.23	11.98	9.75	7.72

Table 9.2.115 South Bucks economic baseline data

Measure	South Bucks	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	47,800	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	34,600 (72%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	1,270 (4%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£50,452			
Claimant Count (Residents)				
Claimants	270 (0.6%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	8,950 (17%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)

Heathrow Expansion

People, place and community baseline



Measure	South Bucks	Wider study area	London and the South East	England
GCSEs and A Level equivalent	22,300 (41%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	20,000 (37%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	2,980 (5%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	18,400 (55%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	9,480 (29%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	5,270 (16%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	23,800 (90%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	2,710 (10%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Professional, Scientific & Technical	4,250 (11%)	86,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Businesses Administration & Support Services	4,250 (11%)	94,000 (11%)	907,000 (10%)	2,340,000 (9%)
Health	4,000 (11%)	71,000 (8%)	990,000 (11%)	3,260,000 (13%)

Table 9.2.116 South Bucks health and wellbeing baseline data

Measure	South Bucks	London	South East	England
Life Expectancy				
Male	81.6	80.4	80.6	79.5
Female	84.7	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	3.6	3.2	3.2	3.9
Under 75	Cancer	123.6	126.8	126.9
	Cardiovascular Disease	54.3	74.9	61.5

Heathrow Expansion

People, place and community baseline



Measure		South Bucks	London	South East	England
Mortality Rate – per 100,000 population	Respiratory Disease	26.3	30.3	28.1	33.8
Excess Winter Deaths - index		19.9	17.2	17.4	17.9
Disease and Poor Health					
Recorded Diabetes		5.6%	6.1%	5.7%	6.4%
Asthma Prevalance		5.9% (Chiltern CCG)	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing					
Child Development at age 5 - achieved school readiness		73.5% (Buckinghamshire)	73.0%	74.0%	70.7%
Child Poverty		9.6%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)		14.1% (Buckinghamshire)	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)		28.5%	34.2%	30.6%	34.2%
Adults Health and Wellbeing					
Smoking Prevalence		12.7%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week		69.5%	64.6%	67.3%	64.9%
Overweight Adults – including obese		54.7%	55.2%	59.7%	61.3%
Depression Prevalence		7.9% (Buckinghamshire)	6.0%	8.4%	8.3%
Measure		South Bucks	Wider study area	London and the South East	England
Self-Reported Health					
Good Health		57,300 (86%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health		7,030 (11%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health		2,520 (4%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems					
Day-to-day activities limited		9,300 (14%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)



Graphic 9.2.17 South Bucks crime per 1,000 population



2.10 Elmbridge

Table 9.2.117 Elmbridge demographic baseline data

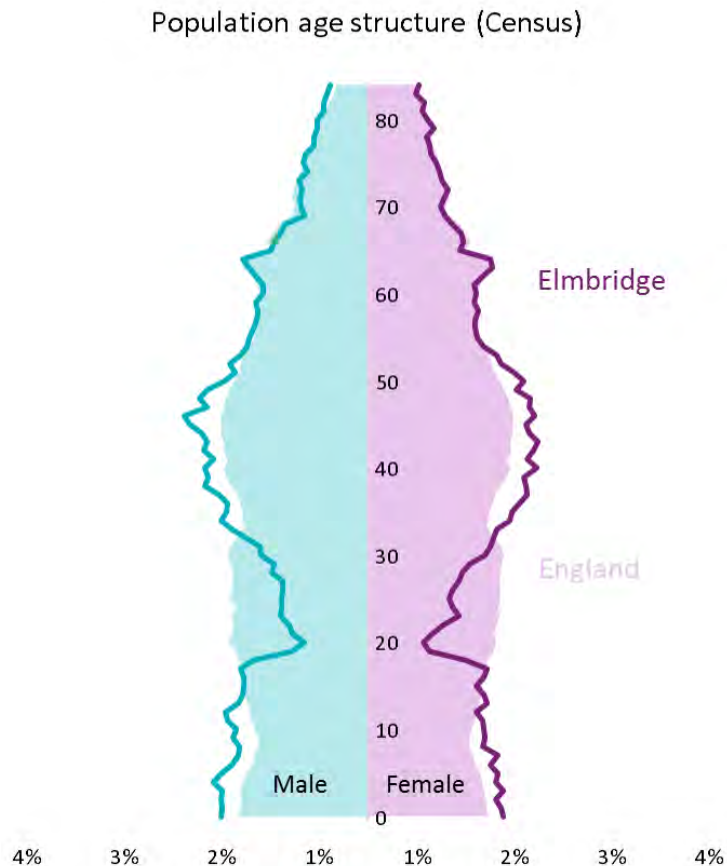
Measure	Elmbridge	Wider study area	London and the South East	England
Population				
Total Population	131,000	1,520,000	16,800,000	53,000,000
Population Density	13.8 per ha	18.7 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	8,940 (7%)	164,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	154,000 (20,700 – 16%)	1,930,000 (352,000 – 22%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	118,000 (90%)	980,000 (64%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	3,410 (3%)	53,000 (3%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	7,080 (5%)	354,000 (23%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	1,010 (1%)	91,700 (6%)	1,220,000 (7%)	1,850,000 (3%)
Other	1,260 (1%)	45,800 (3%)	332,000 (2%)	548,000 (1%)

Heathrow Expansion
People, place and community baseline



Measure	Elmbridge	Wider study area	London and the South East	England
Main Language				
English	117,000 (93%)	1,160,000 (80%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	84,000 (64%)	775,000 (51%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	30,600 (23%)	271,000 (18%)	4,080,000 (24%)	13,100,000 (25%)
Sikh	523 (1%)	164,000 (11%)	181,000 (1%)	420,000 (1%)
Hindu	1,590 (1%)	95,300 (6%)	504,000 (3%)	806,000 (2%)

Graphic 9.2.18 Elmbridge population age and gender structure (Census 2011)



Heathrow Expansion

People, place and community baseline



Table 9.2.118 Elmbridge housing baseline data

Measure	Elmbridge	Wider study area	London and the South East	England
Households				
Total Number of Households	52,900	580,000	6,820,000	22,100,000
Accommodation Type				
House	42,400 (76%)	402,000 (67%)	4,510,000 (64%)	17,800,000 (77%)
Flats	13,30 (24%)	196,000 (33%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	38,700 (73%)	350,000 (60%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	5,220 (10%)	96,700 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	8,000 (15%)	117,000 (20%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	390 (1%)	8,400 (1%)	81,400 (1%)	174,000 (1%)
Living Rent Free	645 (1%)	7,590 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	1,410 (3%)	52,500 (9%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	500 (1%)	16,600 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	500 (6%)	21,200 (17%)	197,000 (13%)	351,000 (9%)
Social Rented	3,170 (8%)	14,600 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	14,600 (28%)	160,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	35,200 (66%)	348,000 (60%)	4,020,000 (59%)	13,600,000 (62%)
Other	1,920 (6%)	71,400 (12%)	750,000 (11%)	1,770,000 (8%)
Measure	Elmbridge	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	15.39	11.98	9.75	7.72

Heathrow Expansion

People, place and community baseline



Table 9.2.119 Elmsbridge economic baseline data

Measure	Elmsbridge	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	92,000	1,120,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	67,200 (73%)	809,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	2,460 (4%)	47,000 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£ 34,105			
Claimant Count (Residents)				
Claimants	485 (0.6%)	15,900 (1.5%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	13,600 (13%)	211,000 (17%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	38,500 (37%)	467,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	45,200 (44%)	408,000 (34%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	5,760 (6%)	127,000 (10%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	39,200 (61%)	346,000 (46%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	16,600 (26%)	222,000 (29%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	8,820 (14%)	185,000 (25%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	46,700 (88%)	444,000 (77%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	6,230 (12%)	136,000 (23%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Professional, Scientific & Technical	10,000 (16%)	86,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Education	5,500 (9%)	60,000 (7%)	788,000 (9%)	2,290,000 (9%)
Retail	5,500 (9%)	64,000 (8%)	778,000 (8%)	2,410,000 (9%)



Table 9.2.120 Elmbridge health and wellbeing baseline data

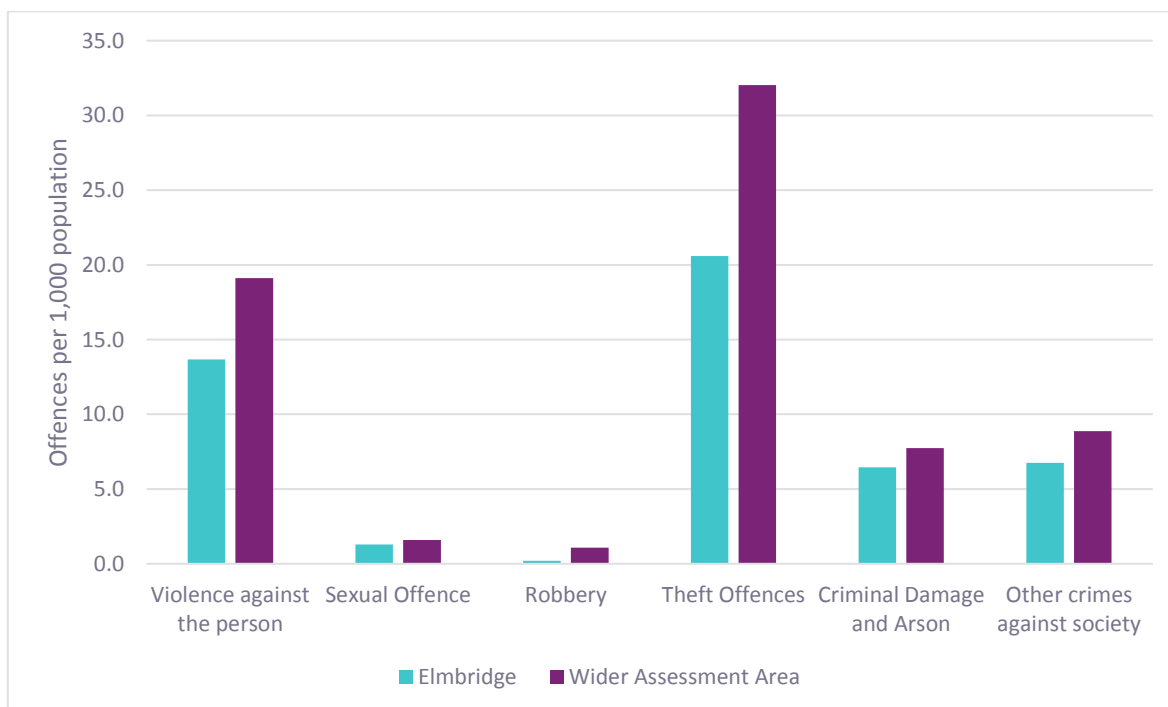
Measure	Elmbridge	London	South East	England
Life Expectancy				
Male	82.3	80.4	80.6	79.5
Female	85.6	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	1.7	3.2	3.2	3.9
Under 75 Mortality Rate – per 100,000 population	Cancer	111.4	126.8	126.9
	Cardiovascular Disease	49.2	74.9	61.5
	Respiratory Disease	23.7	30.3	28.1
Excess Winter Deaths - index	19.0	17.2	17.4	17.9
Disease and Poor Health				
Recorded Diabetes	4.3%	6.1%	5.7%	6.4%
Asthma Prevalance	4.9% (North West Surrey CCG)	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing				
Child Development at age 5 - achieved school readiness	77.3% (Surrey)	73.0%	74.0%	70.7%
Child Poverty	8.8%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)	15.3% (Surrey)	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)	21.9%	34.2%	30.6%	34.2%
Adults Health and Wellbeing				
Smoking Prevalence	17.1%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	73.0%	64.6%	67.3%	64.9%
Overweight Adults – including obese	54.5%	55.2%	59.7%	61.3%
Depression Prevalence	8.3% (Surrey)	6.0%	8.4%	8.3%
Measure	Elmbridge	Wider study area	London and the South East	England
Self-Reported Health				
Good Health	114,000 (87%)	1,290,000 (85%)	14,100,000 (84%)	43,100,000 (81%)

Heathrow Expansion
People, place and community baseline



Measure	Elmbridge	Wider study area	London and the South East	England
Fair Health	12,400 (9%)	169,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health	4,080 (3%)	65,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems				
Day-to-day activities limited	15,800 (12%)	210,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Graphic 9.2.19 Elmbridge crime per 1,000 population



2.11 Richmond upon Thames

Table 9.2.121 Richmond upon Thames demographic baseline data

Measure	Richmond upon Thames	Wider study area	London and the South East	England
Population				
Total Population	187,000	1,390,000	16,800,000	53,000,000
Population Density	32.6 per ha	19.3 per ha	8.1 per ha	4.1 per ha

Heathrow Expansion

People, place and community baseline



Measure	Richmond upon Thames	Wider study area	London and the South East	England
Population Growth (2001-2011)	14,700 (9%)	155,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	247,000 (53,100 – 27%)	1,760,000 (332,000 – 23%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	161,000 (86%)	862,000 (62%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	6,780 (4%)	49,600 (4%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	13,600 (7%)	347,000 (25%)	1,960,000 (12%)	4,140,000 (8%)
Black/Black British	2,820 (2%)	90,700 (7%)	1,220,000 (7%)	1,850,000 (3%)
Other	3,060 (2%)	44,500 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	160,000 (90%)	1,040,000 (78%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	103,000 (55%)	691,000 (50%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	53,200 (28%)	240,000 (17%)	4,080,000 (24%)	13,100,000 (25%)
Muslim	6,130 (3%)	161,000 (12%)	1,210,000 (7%)	2,660,000 (5%)
Hindu	3,050 (2%)	93,700 (7%)	504,000 (3%)	806,000 (2%)

Heathrow Expansion
People, place and community baseline



Graphic 9.2.20 Richmond upon Thames population age and gender structure (2011 Census)

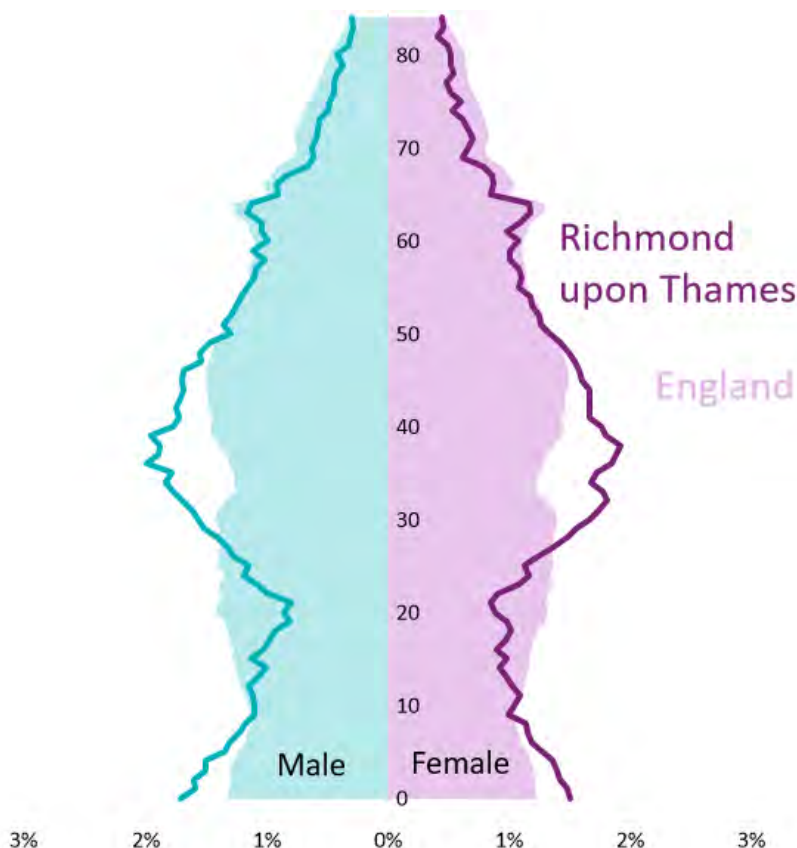


Table 9.2.122 Richmond upon Thames housing baseline data

Measure	Richmond upon Thames	Wider study area	London and the South East	England
Households				
Total Number of Households	79,800	527,000	6,820,000	22,100,000
Accommodation Type				
House	49,200 (59%)	360,000 (66%)	4,510,000 (64%)	17,800,000 (77%)
Flats	33,400 (40%)	183,000 (34%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	50,800 (64%)	311,000 (59%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	10,100 (13%)	91,500 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	17,400 (22%)	109,000 (21%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	600 (1%)	8,010 (2%)	81,400 (1%)	174,000 (1%)

Heathrow Expansion

People, place and community baseline



Measure	Richmond upon Thames	Wider study area	London and the South East	England
Living Rent Free	990 (1%)	6,950 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	3,020 (4%)	51,000 (10%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	790 (2%)	16,100 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	1,240 (7%)	20,700 (18%)	197,000 (13%)	351,000 (9%)
Social Rented	990 (10%)	14,200 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	26,000 (33%)	146,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	47,300 (59%)	313,000 (59%)	4,020,000 (59%)	13,600,000 (62%)
Other	6,540 (8%)	68,200 (13%)	750,000 (11%)	1,770,000 (8%)
Measure	Richmond upon Thames	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	18.32	11.98	9.75	7.72

Table 9.2.123 Richmond upon Thames economic baseline data

Measure	Richmond upon Thames	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	138,000	1,030,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	104,000 (76%)	742,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	4,150 (4%)	44,600 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£55,104			
Claimant Count (Residents)				
Claimants	1,480 (1.2%)	15,400 (1.6%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	15,900 (11%)	198,000 (18%)	2,490,000 (18%)	9,660,000 (22%)

Heathrow Expansion

People, place and community baseline



Measure	Richmond upon Thames	Wider study area	London and the South East	England
GCSEs and A Level equivalent	45,200 (30%)	429,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	79,600 (53%)	363,000 (33%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	9,340 (6%)	121,000 (11%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	67,200 (68%)	306,000 (45%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	20,900 (21%)	205,000 (30%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	11,200 (11%)	176,000 (26%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	60,100 (75%)	397,000 (75%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	19,800 (25%)	130,000 (25%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Professional, Scientific & Technical	13,500 (17%)	76,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Arts, Education, Recreation & Other Services	10,500 (13%)	34,000 (4%)	460,000 (5%)	1,160,000 (5%)
Education	8,500 (11%)	55,000 (7%)	788,000 (9%)	2,290,000 (9%)

Table 9.2.124 Richmond upon Thames health and wellbeing baseline data

Measure	Richmond upon Thames	London	South East	England
Life Expectancy				
Male	82.3	80.4	80.6	79.5
Female	85.9	84.2	84.0	83.1
Mortality				
Infant Mortality – rate per 1,000 live births	3.0	3.2	3.2	3.9
Under 75	Cancer	116.4	126.8	126.9
	Cardiovascular Disease	51.1	74.9	61.5

Heathrow Expansion

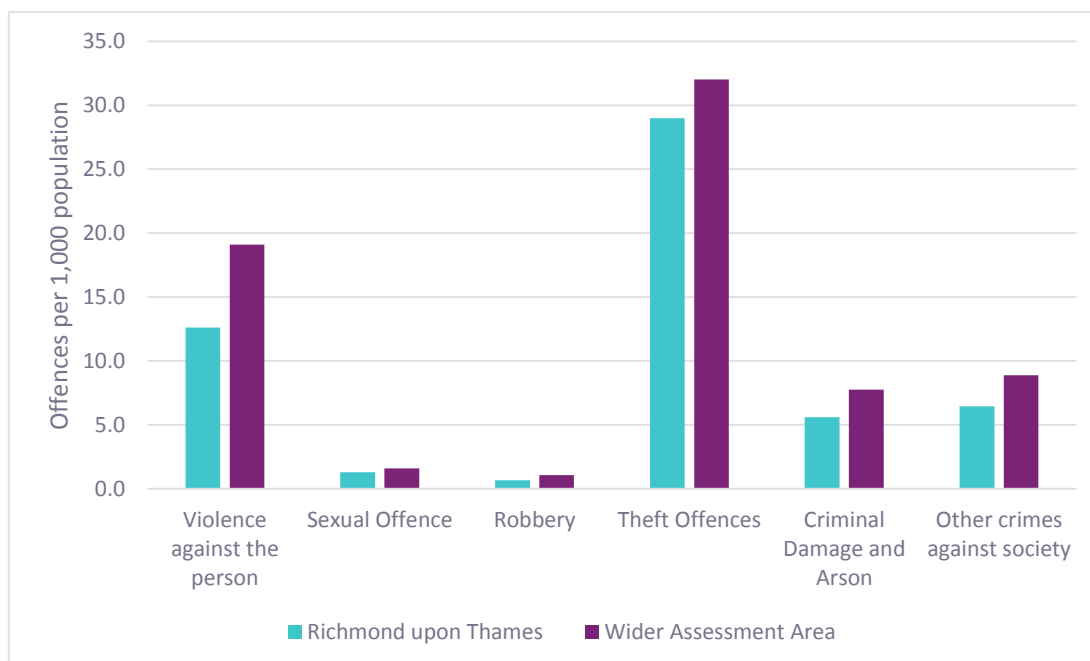
People, place and community baseline



Measure		Richmond upon Thames	London	South East	England
Mortality Rate – per 100,000 population	Respiratory Disease	21.6	30.3	28.1	33.8
Excess Winter Deaths - index		21.2	17.2	17.4	17.9
Disease and Poor Health					
Recorded Diabetes		3.7%	6.1%	5.7%	6.4%
Asthma Prevalence		4.3%	4.6%	5.7% (NHS SE)	5.9%
Childhood Health and Wellbeing					
Child Development at age 5 - achieved school readiness		78.4%	73.0%	74.0%	70.7%
Child Poverty		9.6%	23.4%	14.7%	20.1%
Physical Activity in Children – one hour+ per day (Age 15)		13.9%	11.8%	14.8%	13.9%
Overweight Children – including obese (Year 6 – Age 10/11)		25.3%	34.2%	30.6%	34.2%
Adults Health and Wellbeing					
Smoking Prevalence		12.1%	15.2%	14.6%	15.5%
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week		71.1%	64.6%	67.3%	64.9%
Overweight Adults – including obese		52.2%	55.2%	59.7%	61.3%
Depression Prevalence		5.5%	6.0%	8.4%	8.3%
Measure		Richmond upon Thames	Wider study area	London and the South East	England
Self-Reported Health					
Good Health		164,000 (88%)	1,180,000 (84%)	14,100,000 (84%)	43,100,000 (81%)
Fair Health		16,700 (9%)	156,000 (11%)	1,950,000 (12%)	6,950,000 (13%)
Bad Health		6,020 (3%)	61,700 (4%)	780,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems					
Day-to-day activities limited		21,400 (11%)	194,000 (14%)	2,510,000 (15%)	9,350,000 (18%)



Graphic 9.2.21 Richmond upon Thames crime per 1,000 population



2.12 Wandsworth

Table 9.2.125 Wandsworth demographic baseline data

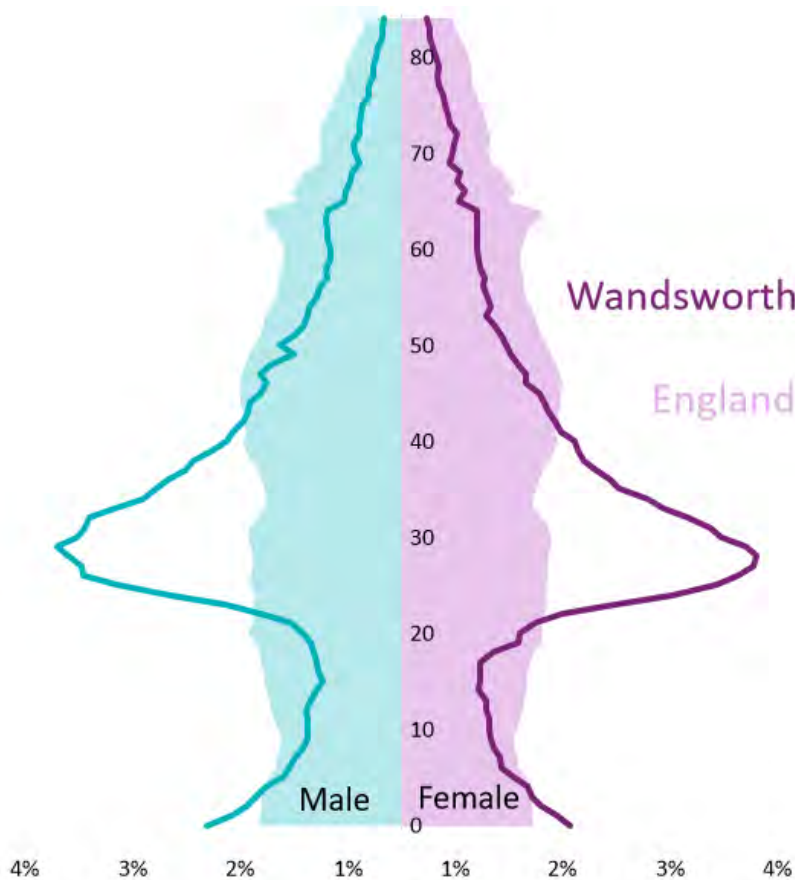
Measure	Wandsworth	Wider study area	London and the South East	England
Population				
Total Population	307,000	1,390,000	16,800,000	53,000,000
Population Density	89.6 per ha	19.3 per ha	8.1 per ha	4.1 per ha
Population Growth (2001-2011)	46,600 (18%)	155,000 (12%)	1,640,000 (11%)	3,870,000 (8%)
Population Projections 2039 (2014 base growth)	377,000 (65,100 – 21%)	1,760,000 (332,000 – 23%)	21,500,000 (4,070,000 – 23%)	63,300,000 (8,960,000 – 17%)
Self-Identified Ethnicity				
White	219,000 (71%)	862,000 (62%)	12,700,000 (76%)	45,300,000 (85%)
Mixed/Multiple	15,200 (5%)	49,600 (4%)	573,000 (3%)	1,190,000 (2%)
Asian/Asian British	33,300 (11%)	347,000 (25%)	1,960,000 (12%)	4,140,000 (8%)

Heathrow Expansion
People, place and community baseline



Measure	Wandsworth	Wider study area	London and the South East	England
Black/Black British	32,800 (11%)	90,700 (7%)	1,220,000 (7%)	1,850,000 (3%)
Other	6,440 (2%)	44,500 (3%)	332,000 (2%)	548,000 (1%)
Main Language				
English	242,000 (83%)	1,040,000 (78%)	13,900,000 (86%)	46,900,000 (92%)
Religion (top 4)				
Christian	163,000 (53%)	691,000 (50%)	9,120,000 (54%)	31,500,000 (59%)
No Religion	82,700 (27%)	240,000 (17%)	4,080,000 (24%)	13,100,000 (25%)
Muslim	24,700 (8%)	161,000 (12%)	1,210,000 (7%)	2,660,000 (5%)
Hindu	6,500 (2%)	93,700 (7%)	504,000 (3%)	806,000 (2%)

Graphic 9.2.22 Wandsworth population age and gender structure (Census 2011)



Heathrow Expansion

People, place and community baseline



Table 9.2.126 Wandsworth housing baseline data

Measure	Wandsworth	Wider study area	London and the South East	England
Households				
Total Number of Households	130,000	527,000	6,820,000	22,100,000
Accommodation Type				
House	46,200 (34%)	360,000 (66%)	4,510,000 (64%)	17,800,000 (77%)
Flats	89,600 (66%)	183,000 (34%)	2,560,000 (36%)	5,100,000 (22%)
Accommodation Tenure				
Owner-Occupied	59,400 (46%)	311,000 (59%)	3,980,000 (58%)	14,000,000 (63%)
Social Rented	26,500 (20%)	91,500 (17%)	1,270,000 (19%)	3,900,000 (18%)
Privately Rented	41,300 (32%)	109,000 (21%)	1,400,000 (20%)	3,720,000 (17%)
Shared Ownership	1,910 (1%)	8,010 (2%)	81,400 (1%)	174,000 (1%)
Living Rent Free	1,360 (1%)	6,950 (1%)	88,400 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)				
All Tenures	11,400 (9%)	51,000 (10%)	498,000 (7%)	1,020,000 (5%)
Owner-Occupied	2,040 (3%)	16,100 (5%)	126,000 (3%)	326,000 (2%)
Privately Rented	5,310 (12%)	20,700 (18%)	197,000 (13%)	351,000 (9%)
Social Rented	4,090 (15%)	14,200 (15%)	175,000 (14%)	347,000 (9%)
Household Composition				
One Person	42,100 (32%)	146,000 (28%)	2,050,000 (30%)	6,670,000 (30%)
One Family	63,000 (48%)	313,000 (59%)	4,020,000 (59%)	13,600,000 (62%)
Other	25,400 (19%)	68,200 (13%)	750,000 (11%)	1,770,000 (8%)
Measure	Wandsworth	London	South East	England
Housing Affordability				
Ratio of Median House Price to Median Earning	18.55	11.98	9.75	7.72

Heathrow Expansion

People, place and community baseline



Table 9.2.127 Wandsworth economic baseline data

Measure	Wandsworth	Wider study area	London and the South East	England
Working Age Residents				
Total Number of Working Age Residents	244,000	1,030,000	12,400,000	38,900,000
Economic Activity (Residents)				
Economically Active	190,000 (78%)	742,000 (72%)	8,910,000 (72%)	27,200,000 (70%)
Unemployed	9,310 (5%)	44,600 (6%)	535,000 (6%)	1,700,000 (6%)
Average Income				
Median Income	£46,885			
Claimant Count (Residents)				
Claimants	3,190 (1.4%)	15,400 (1.6%)	187,000 (1.6%)	652,000 (1.9%)
Highest Level of Qualification (Residents)				
No Formal Qualifications	29,600 (12%)	198,000 (18%)	2,490,000 (18%)	9,660,000 (22%)
GCSEs and A Level equivalent	66,400 (26%)	429,000 (39%)	5,470,000 (40%)	19,100,000 (44%)
Further and Higher Education	137,000 (54%)	363,000 (33%)	4,560,000 (34%)	11,800,000 (27%)
Other Qualifications	22,900 (9%)	121,000 (11%)	1,020,000 (8%)	2,460,000 (6%)
Occupation (Residents)				
Management / Professional / Technical	117,000 (65%)	306,000 (45%)	3,920,000 (47%)	10,400,000 (41%)
Admin / Skilled Trades / Services	38,000 (21%)	205,000 (30%)	2,470,000 (30%)	8,090,000 (32%)
Sales / Process / Elementary	24,000 (13%)	176,000 (26%)	1,860,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)				
1+ Car/Van Available	71,400 (55%)	397,000 (75%)	4,800,000 (70%)	16,400,000 (74%)
No Car/Van Available	59,100 (45%)	130,000 (25%)	2,020,000 (30%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)				
Health	22,000 (19%)	66,000 (8%)	990,000 (11%)	3,260,000 (13%)
Professional, Scientific & Technical	14,000 (12%)	76,500 (10%)	1,110,000 (12%)	2,290,000 (9%)
Education	12,000 (10%)	55,000 (7%)	788,000 (9%)	2,290,000 (9%)

Heathrow Expansion

People, place and community baseline



Table 9.2.128 Wandsworth health and wellbeing baseline data

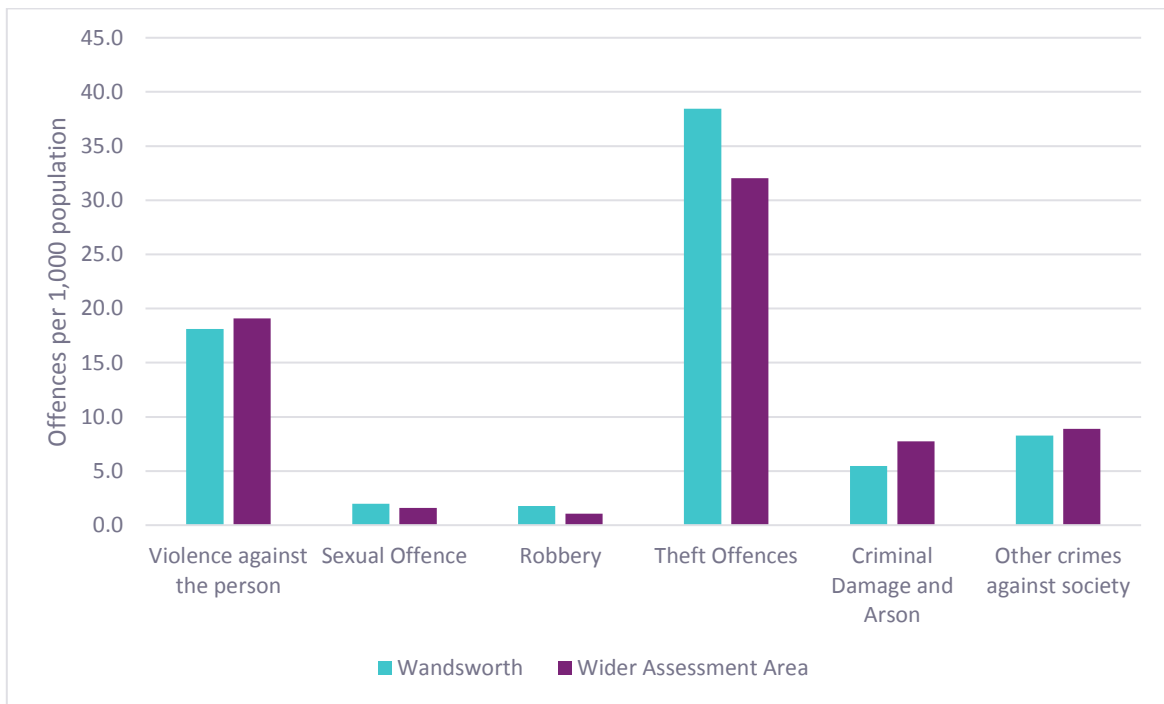
Measure	Wandsworth	London	South East	England	
Life Expectancy					
Male	80.0	80.4	80.6	79.5	
Female	83.8	84.2	84.0	83.1	
Mortality					
Infant Mortality – rate per 1,000 live births	2.8	3.2	3.2	3.9	
Under 75 Mortality Rate – per 100,000 population	Cancer	124.5	126.8	126.9	136.8
	Cardiovascular Disease	82.0	74.9	61.5	73.5
	Respiratory Disease	29.1	30.3	28.1	33.8
Excess Winter Deaths - index	21.0	17.2	17.4	17.9	
Disease and Poor Health					
Recorded Diabetes	4.3%	6.1%	5.7%	6.4%	
Asthma Prevalance	4.1%	4.6%	5.7% (NHS SE)	5.9%	
Childhood Health and Wellbeing					
Child Development at age 5 - achieved school readiness	75.0%	73.0%	74.0%	70.7%	
Child Poverty	20.3%	23.4%	14.7%	20.1%	
Physical Activity in Children – one hour+ per day (Age 15)	12.1%	11.8%	14.8%	13.9%	
Overweight Children – including obese (Year 6 – Age 10/11)	33.9%	34.2%	30.6%	34.2%	
Adults Health and Wellbeing					
Smoking Prevalence	14.6%	15.2%	14.6%	15.5%	
Physical Activity in Adults - 150+ moderate intensity equivalent minutes per week	72.9%	64.6%	67.3%	64.9%	
Overweight Adults – including obese	53.8%	55.2%	59.7%	61.3%	
Depression Prevalence	5.8%	6.0%	8.4%	8.3%	
Measure	Wandsworth	Wider study area	London and the South East	England	
Self-Reported Health					
Good Health	268,000 (87%)	1,180,000 (84%)	14,100,000 (84%)	43,100,000 (81%)	
Fair Health	27,300 (9%)	156,000 (11%)	1,950,000 (12%)	6,950,000 (13%)	
Bad Health	11,600 (4%)	61,700 (4%)	780,000 (5%)	2,910,000 (5%)	

Heathrow Expansion
People, place and community baseline



Measure	Wandsworth	Wider study area	London and the South East	England
Disability and Long-Term Health Problems				
Day-to-day activities limited	34,400 (11%)	194,000 (14%)	2,510,000 (15%)	9,350,000 (18%)

Graphic 9.2.23 Wandsworth crime per 1,000 population





3. SUB-REGIONAL CONTEXT AREA

- 3.1.1 The sub-regional context area has been defined as the three Local Enterprise Partnerships of Enterprise M3, Thames Valley Berkshire and Buckinghamshire Thames Valley as well as a best-fit of the Elizabeth Line West area from the emerging Draft London Plan (2017). This has been defined through HSPG. It is used primarily to present broader sub-regional economic context.
- 3.1.2 Demographic, housing and economic baseline data for the sub-regional context area is set out below in Tables 9.2.129, 9.2.130 and 9.2.131.

Table 9.2.129 Sub-regional context area demographic baseline data

Measure	Sub-regional context area	London, South East and East	England
Population			
Total Population	3,890,000	22,700,000	53,000,000
Age Profile			
0-15	723,000 (20%)	4,380,000 (19%)	10,000,000 (19%)
16-74	2,860,000 (73%)	16,600,000 (73%)	38,900,000 (73%)
75+	274,000 (7%)	1,640,000 (7%)	4,110,000 (8%)
Gender			
Male	1,920,000 (49%)	11,100,000 (49.2%)	26,100,000 (49.2%)
Female	1,970,000 (51%)	11,500,000 (50.8%)	26,900,000 (50.8%)
Self-Identified Ethnicity			
White	3,140,000 (81%)	18,000,000 (80%)	45,300,000 (85%)
Mixed/Multiple	106,000 (3%)	685,000 (3%)	1,190,000 (2%)
Asian/Asian British	438,000 (11%)	2,240,000 (10%)	4,140,000 (8%)
Black/Black British	143,000 (6%)	1,340,000 (6%)	1,850,000 (3%)
Other	64,900 (3%)	361,000 (2%)	548,000 (1%)
Main Language			
English	3,310,000 (89%)	19,200,000 (88%)	46,900,000 (92%)

Table 9.2.130 Sub-regional context area housing baseline data

Measure	Sub-regional context area	London, South East and East	England
Households			

Heathrow Expansion

People, place and community baseline



Measure	Sub-regional context area	London, South East and East	England
Total Number of Households	1,560,000	9,240,000	22,100,000
Accommodation Type			
House	1,170,000 (72%)	6,600,000 (69%)	17,800,000 (77%)
Flats	440,000 (27%)	2,980,000 (31%)	5,100,000 (22%)
Accommodation Tenure			
Owner-Occupied	998,000 (64%)	5,620,000 (61%)	14,000,000 (63%)
Social Rented	250,000 (16%)	1,650,000 (18%)	3,900,000 (18%)
Privately Rented	270,000 (17%)	1,750,000 (19%)	3,720,000 (17%)
Shared Ownership	19,200 (1%)	99,100 (1%)	174,000 (1%)
Living Rent Free	20,900 (1%)	119,000 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	87,300 (6%)	581,000 (6%)	1,020,000 (5%)
Owner-Occupied	25,300 (2%)	155,000 (3%)	326,000 (2%)
Privately Rented	33,400 (11%)	224,000 (12%)	351,000 (9%)
Social Rented	29,500 (12%)	201,000 (12%)	347,000 (9%)
Household Composition			
One Person	437,000 (28%)	2,740,000 (30%)	6,670,000 (30%)
One Family	976,000 (63%)	5,590,000 (61%)	13,600,000 (62%)
Other	147,000 (9%)	907,000 (10%)	1,770,000 (8%)

Table 9.2.131 Sub-regional context area economic baseline data

Measure	Sub-regional context area	London, South East and East	England
Working Age Residents			
Total Number of Working Age Residents	2,860,000	16,600,000	38,900,000
Economic Activity (Residents)			
Economically Active	2,100,000 (74%)	849,000 (73%)	27,200,000 (70%)
Unemployed	101,000 (5%)	47,800 (6%)	1,700,000 (6%)
Highest Level of Qualification (Residents)			
No Formal Qualifications	517,000 (17%)	3,550,000 (19%)	9,660,000 (22%)
GCSEs and A Level equivalent	1,280,000 (41%)	7,670,000 (42%)	19,100,000 (44%)
Further and Higher Education	1,110,000 (35%)	5,780,000 (32%)	11,800,000 (27%)

Heathrow Expansion

People, place and community baseline



Measure	Sub-regional context area	London, South East and East	England
Other Qualifications	220,000 (7%)	1,270,000 (7%)	2,460,000 (6%)
Occupation (Residents)			
Management / Professional / Technical	983,000 (50%)	5,090,000 (46%)	10,400,000 (41%)
Admin / Skilled Trades / Services	579,000 (29%)	3,420,000 (31%)	8,090,000 (32%)
Sales / Process / Elementary	421,000 (21%)	2,600,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)			
1+ Car/Van Available	1,240,000 (79%)	6,780,000 (73%)	16,400,000 (74%)
No Car/Van Available	320,000 (21%)	2,470,000 (27%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 4)			
Professional, Scientific and Technical	223,000 (11%)	1,350,000 (11%)	2,290,000 (9%)
Information and Communication	195,000 (10%)	760,000 (6%)	1,130,000 (4%)
Businesses Administration & Support Services	197,000 (10%)	1,210,000 (10%)	2,340,000 (9%)
Health	199,000 (10%)	1,310,000 (11%)	3,260,000 (13%)



4. HEATHROW AND SLOUGH TRAVEL TO WORK AREA

- 4.1.1 The Heathrow and Slough Travel to Work Area (TTWA) is defined by the Office for National Statistics using a bespoke methodology and based on commuting data from the 2011 Census. TTWAs are amalgamations of Lower Super Output Areas (LSOAs) based on percentages of commuting self-containment (people both living and working within the area). They are intended to show broad commuting areas. The Slough and Heathrow centres on Heathrow and includes large parts of West London as well as Slough and most of Windsor and Maidenhead, South Buckinghamshire, Runnymede, Spelthorne and Elmbridge. The TTWA covers parts of London, the South East and the East. Figure 9.2.13 shows the Heathrow and Slough TTWA.
- 4.1.2 Demographic, housing, economic baseline data for the TTWA is presented respectively in Table 9.2.132, Table 9.2.133 and Table 9.2.134. TTWA data is presented alongside London, South East and East, and England averages for comparison purposes. All data is 2011 Census data (2001 for population growth), except for 'Key Employment Sectors' which is from the Business Register and Employment Survey (2016).

Table 9.2.132 TTWA demographic baseline data

Measure	TTWA	London, South East and East	England
Population			
Total Population	1,600,000	22,700,000	53,000,000
Population Growth (2001-2011)	170,000 (12%)	2,090,000 (10%)	3,870,000 (8%)
Age Profile			
0-15	327,000 (20%)	4,380,000 (19%)	10,000,000 (19%)
16-74	1,170,000 (73%)	16,600,000 (73%)	38,900,000 (73%)
75+	101,000 (6%)	1,640,000 (7%)	4,110,000 (8%)
Gender			
Male	791,000 (49.5%)	11,100,000 (49.2%)	26,100,000 (49.2%)
Female	806,000 (50.5%)	11,500,000 (50.8%)	26,900,000 (50.8%)
Self-Identified Ethnicity			
White	1,030,000 (65%)	18,000,000 (80%)	45,300,000 (85%)
Mixed/Multiple	54,900 (3%)	685,000 (3%)	1,190,000 (2%)
Asian/Asian British	381,000 (24%)	2,240,000 (10%)	4,140,000 (8%)

Heathrow Expansion

People, place and community baseline



Measure	TTWA	London, South East and East	England
Black/Black British	86,200 (5%)	1,340,000 (6%)	1,850,000 (3%)
Other	40,900 (3%)	361,000 (2%)	548,000 (1%)
Main Language			
English	1,230,000 (81%)	19,200,000 (88%)	46,900,000 (92%)
Religion (top 4)			
Christian	798,000 (50%)	22,700,000 (56%)	31,500,000 (59%)
No Religion	295,000 (19%)	5,710,000 (25%)	13,100,000 (25%)
Muslim	159,000 (10%)	1,360,000 (6%)	2,660,000 (5%)
Hindu	115,000 (7%)	558,000 (2%)	806,000 (2%)
Self-Reported Health			
Good Health	1,350,000 (85%)	18,900,000 (83%)	43,100,000 (81%)
Fair Health	176,000 (11%)	2,700,000 (12%)	6,950,000 (13%)
Bad Health	66,800 (4%)	1,050,000 (5%)	2,910,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	218,000 (18%)	3,490,000 (15%)	9,350,000 (18%)

Table 9.2.133 TTWA housing baseline data

Measure	TTWA	London, South East and East	England
Households			
Total Number of Households	609,000	9,240,000	22,100,000
Accommodation Type			
House	425,000 (67%)	6,600,000 (69%)	17,800,000 (77%)
Flats	202,000 (32%)	2,980,000 (31%)	5,100,000 (22%)
Accommodation Tenure			
Owner-Occupied	376,000 (62%)	5,620,000 (61%)	14,000,000 (63%)
Social Rented	97,300 (16%)	1,650,000 (18%)	3,900,000 (18%)
Privately Rented	120,000 (20%)	1,750,000 (19%)	3,720,000 (17%)
Shared Ownership	8,170 (1%)	99,100 (1%)	174,000 (1%)
Living Rent Free	7,460 (1%)	119,000 (1%)	295,000 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			

Heathrow Expansion

People, place and community baseline



Measure	TTWA	London, South East and East	England
All Tenures	51,500 (8%)	581,000 (6%)	1,020,000 (5%)
Owner-Occupied	17,300 (4%)	155,000 (3%)	326,000 (2%)
Privately Rented	20,000 (16%)	224,000 (12%)	351,000 (9%)
Social Rented	14,200 (15%)	201,000 (12%)	347,000 (9%)
Household Composition			
One Person	168,000 (28%)	2,740,000 (30%)	6,670,000 (30%)
One Family	369,000 (61%)	5,590,000 (61%)	13,600,000 (62%)
Other	71,600 (12%)	907,000 (10%)	1,770,000 (8%)

Table 9.2.134 TTWA economic baseline data

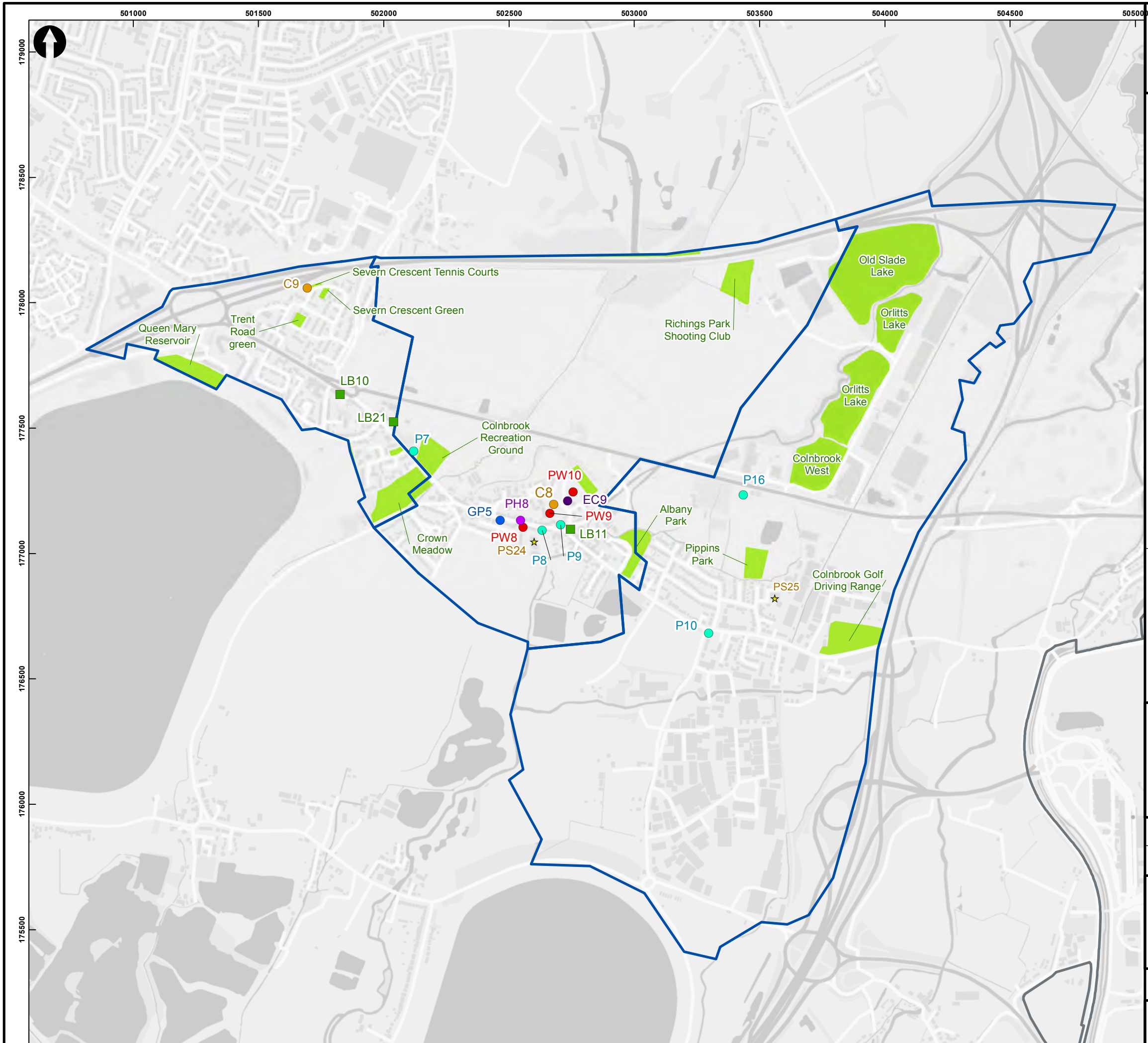
Measure	TTWA	London, South East and East	England
Working Age Residents			
Total Number of Working Age Residents	1,170,000	16,600,000	38,900,000
Economic Activity (Residents)			
Economically Active	849,000 (73%)	849,000 (73%)	27,200,000 (70%)
Unemployed	47,800 (6%)	47,800 (6%)	1,700,000 (6%)
Highest Level of Qualification (Residents)			
No Formal Qualifications	219,000 (17%)	3,550,000 (19%)	9,660,000 (22%)
GCSEs and A Level equivalent	496,000 (39%)	7,670,000 (42%)	19,100,000 (44%)
Further and Higher Education	431,000 (34%)	5,780,000 (32%)	11,800,000 (27%)
Other Qualifications	124,000 (10%)	1,270,000 (7%)	2,460,000 (6%)
Occupation (Residents)			
Management / Professional / Technical	367,000 (46%)	5,090,000 (46%)	10,400,000 (41%)
Admin / Skilled Trades / Services	231,000 (29%)	3,420,000 (31%)	8,090,000 (32%)
Sales / Process / Elementary	192,000 (24%)	2,600,000 (23%)	6,720,000 (27%)
Car or Van Availability (Residents)			
1+ Car/Van Available	471,000 (77%)	6,780,000 (73%)	16,400,000 (74%)
No Car/Van Available	138,000 (23%)	2,470,000 (27%)	5,690,000 (26%)
Key Employment Sectors (Jobs) (top 3)			

Heathrow Expansion

People, place and community baseline

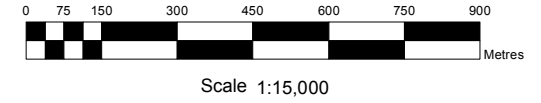


Measure	TTWA	London, South East and East	England
Transport and Storage	104,000 (12%)	581,000 (5%)	1,270,000 (5%)
Businesses Administration & Support Services	92,000 (11%)	1,210,000 (10%)	2,340,000 (9%)
Professional, Scientific & Technical	87,500 (10%)	1,350,000 (11%)	2,290,000 (9%)



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- Heathrow Planning Boundary
- Combined community areas February 2018
- Open space
- Adult education or childrens centre
- Community hall
- Community service business
- GP surgery
- Pharmacy
- Place of worship
- Public house
- Schools

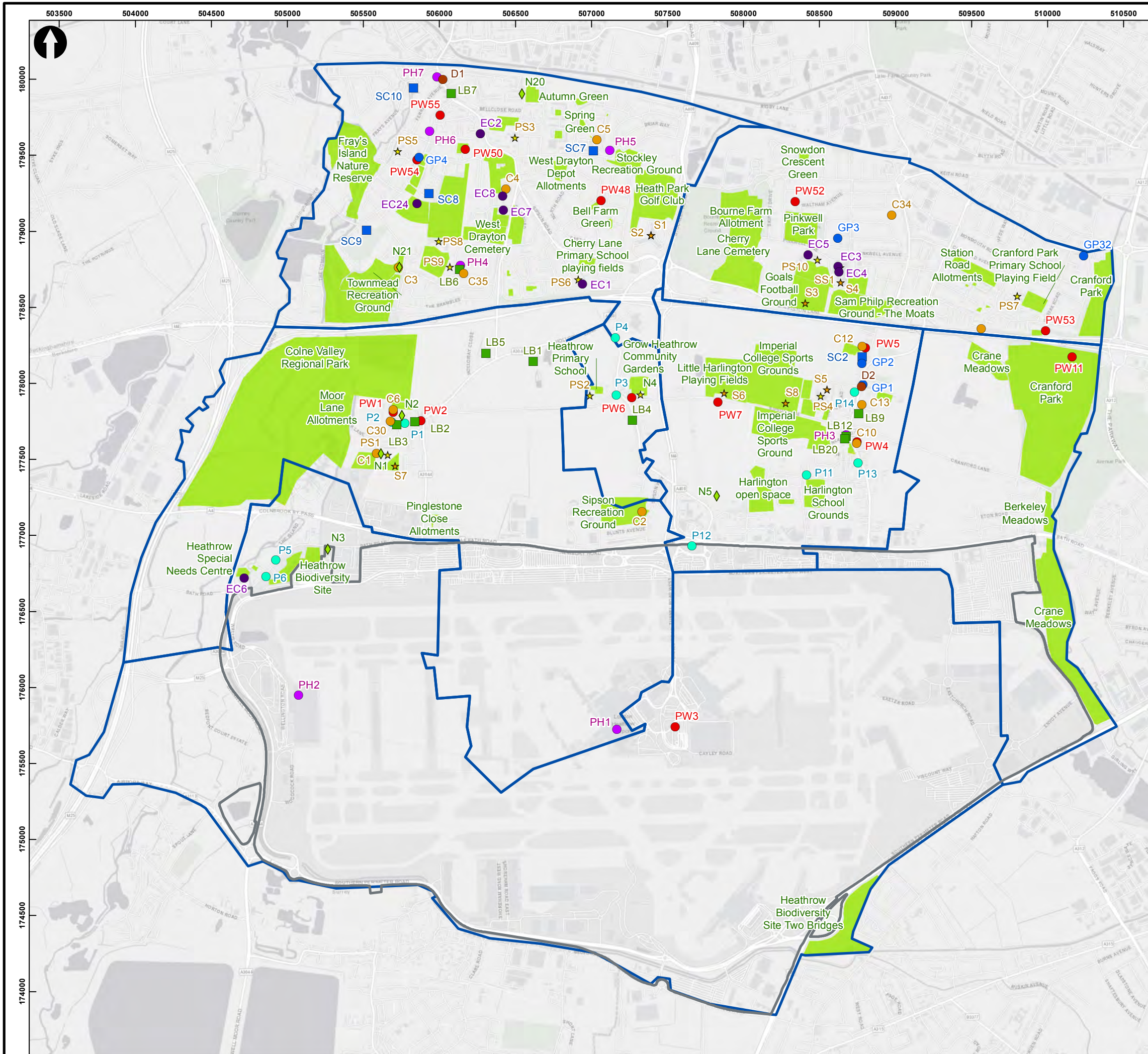


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 9.2.1: Community facilities - Slough

Company Wood	Drawn By BUTLS	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000119				Version 1.0



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Heathrow Planning Boundary
 Combined community areas February 2018
 Open space

- Adult education or childrens centre
- ◆ Childcare
- Community hall
- Community service business
- Dentist
- GP surgery
- Pharmacy
- Place of worship
- Public house
- ★ Schools
- Social care
- ★ Sports facility

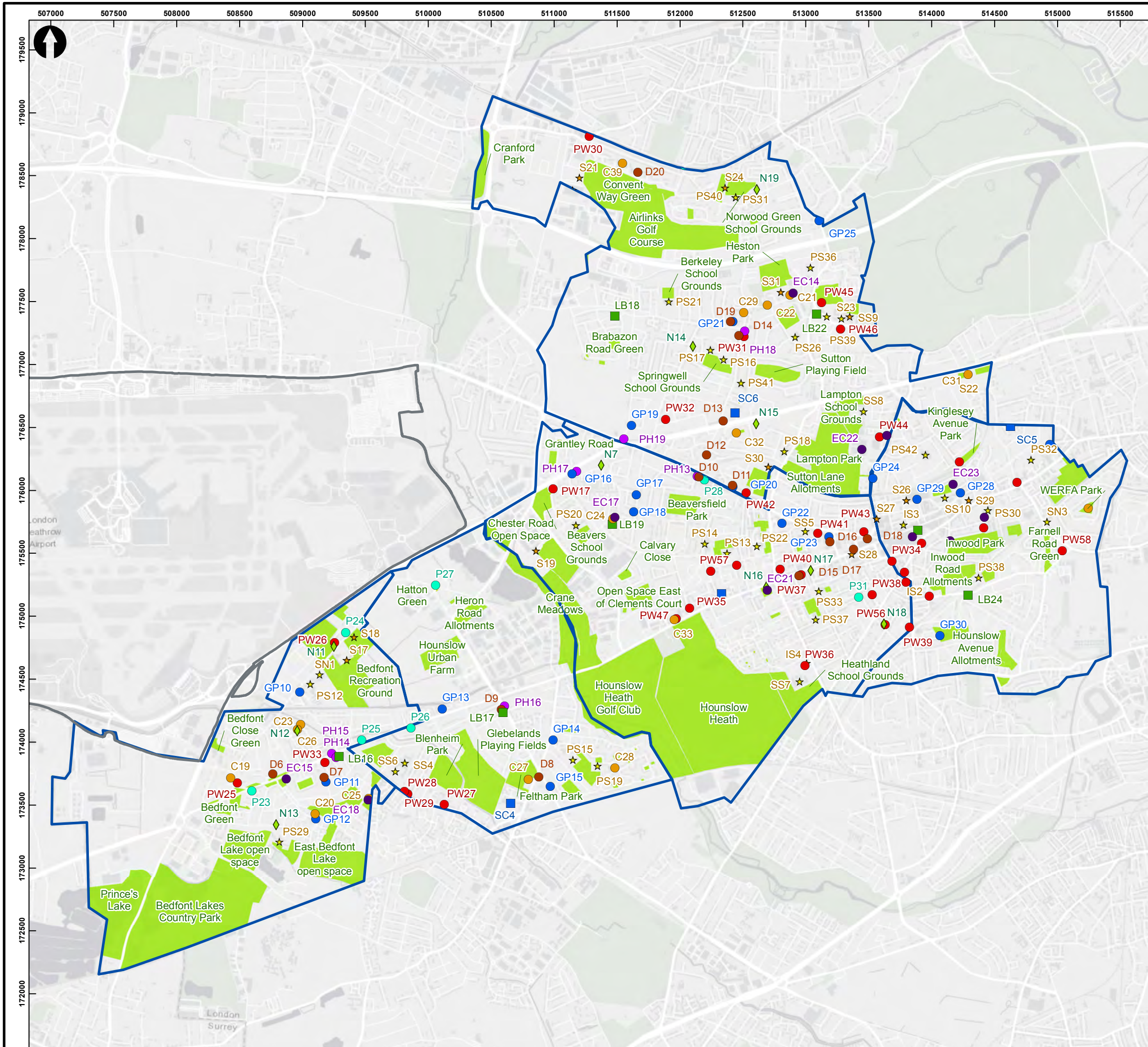
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 Metres
 Scale 1:25,000

Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 9.2.2: Community facilities - Hillingdon

Company Wood	Drawn By BUTLS	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000120				Version 1.0



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Legend

- Heathrow Planning Boundary
- Combined community areas February 2018
- Open space
- Adult education or childrens centre
- ◆ Childcare
- Community hall
- Community service business
- Dentist
- GP surgery
- Pharmacy
- Place of worship
- Public house
- ★ Schools
- Social care
- ★ Sports facility

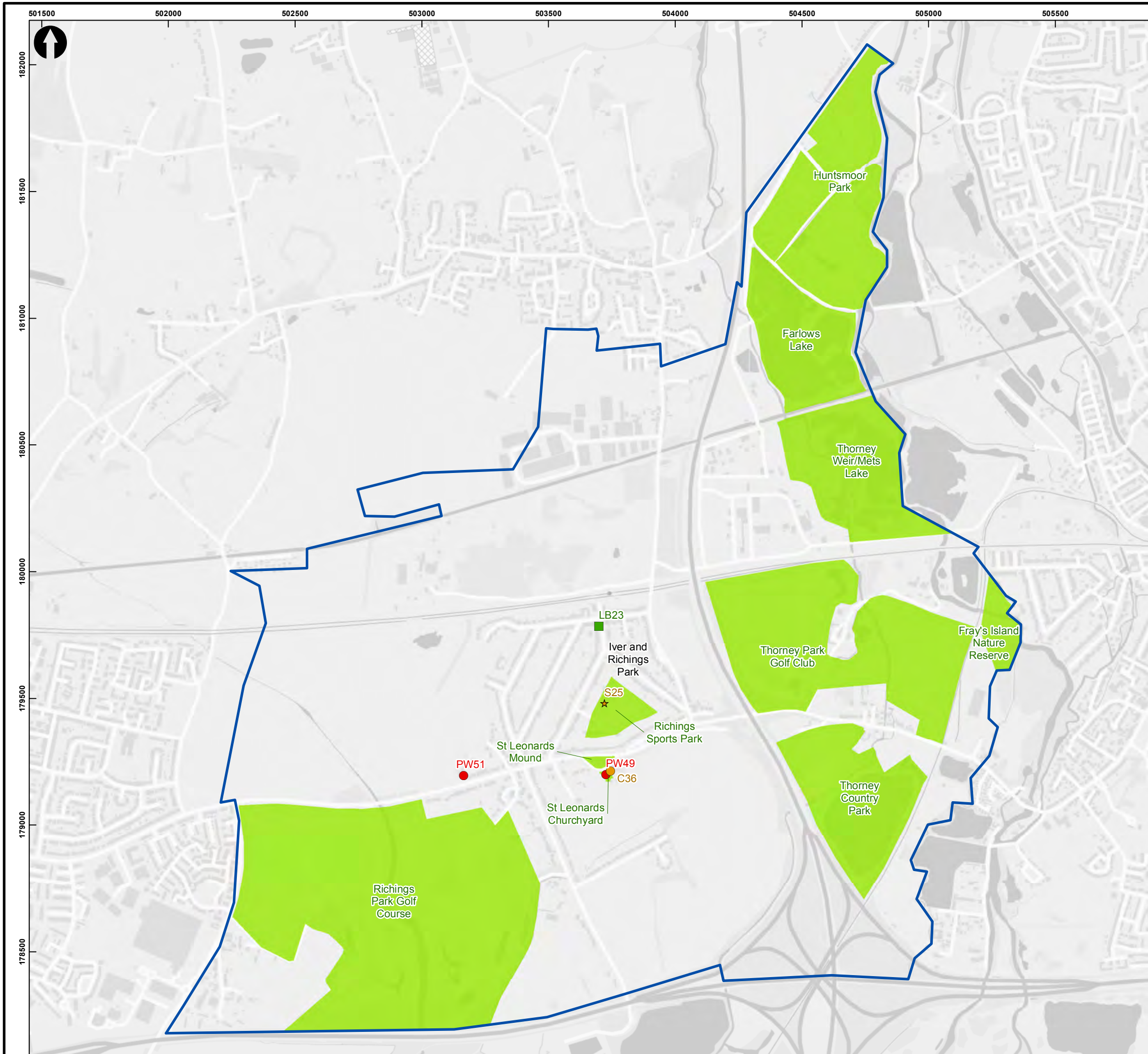
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 Metres
 Scale 1:30,000

Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

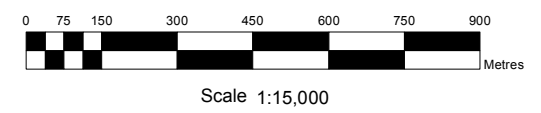
Title
Figure 9.2.3: Community facilities - Hounslow

Company Wood	Drawn By BUTLS	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000121				Version 1.0



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- Heathrow Planning Boundary
- Combined community areas February 2018
- Open space
- Community hall
- Community service business
- Place of worship
- ★ Sports facility

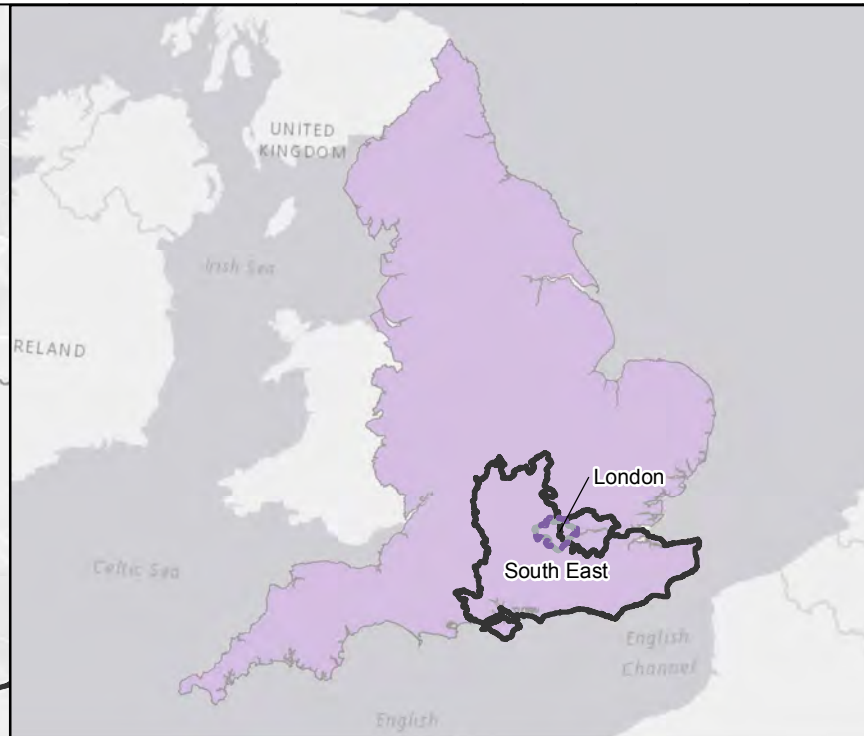
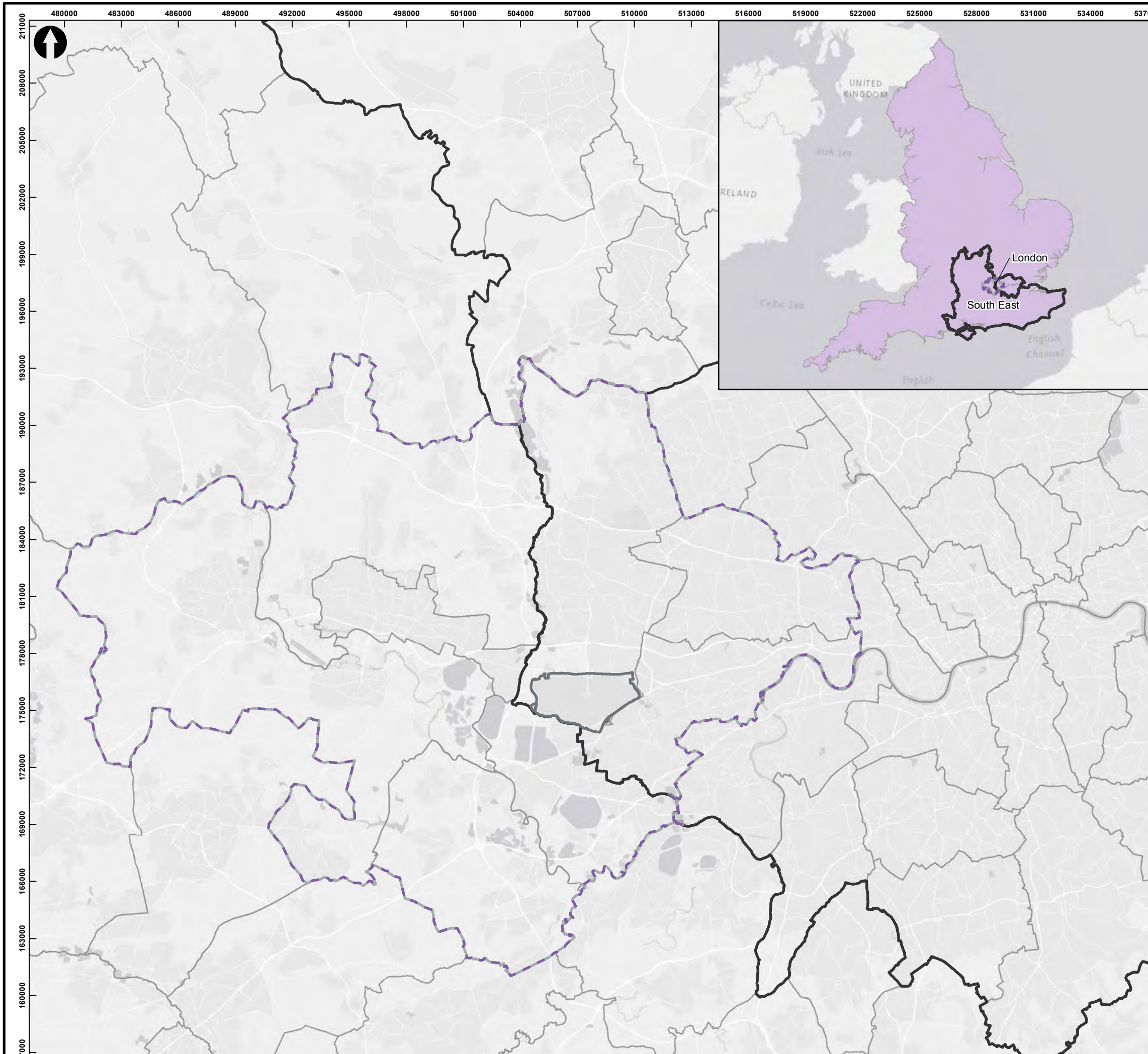


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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

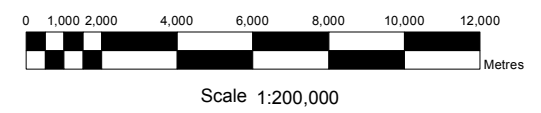
Title
Figure 9.2.5: Community facilities - South Bucks

Company Wood	Drawn By BUTLS	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000123				Version 1.0



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-  Heathrow Planning Boundary
-  Wider study area (core study area)
-  London and the South East

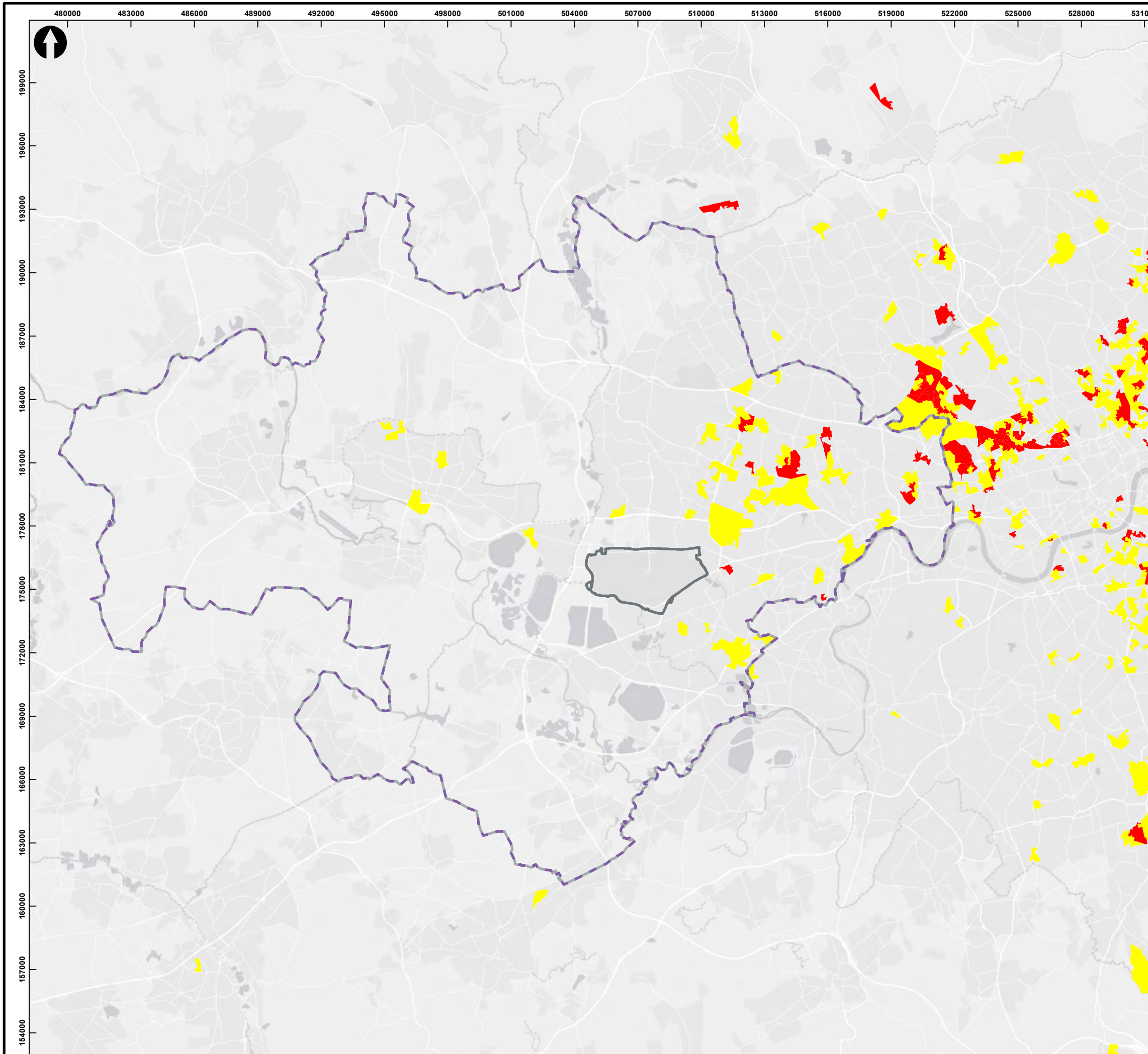


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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 9.2.6: Wider study areas

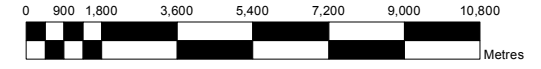
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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000124				Version 1.0



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Heathrow Planning Boundary
 Wider study area (core study area)
IMD 2015
 10% most deprived
 20% most deprived



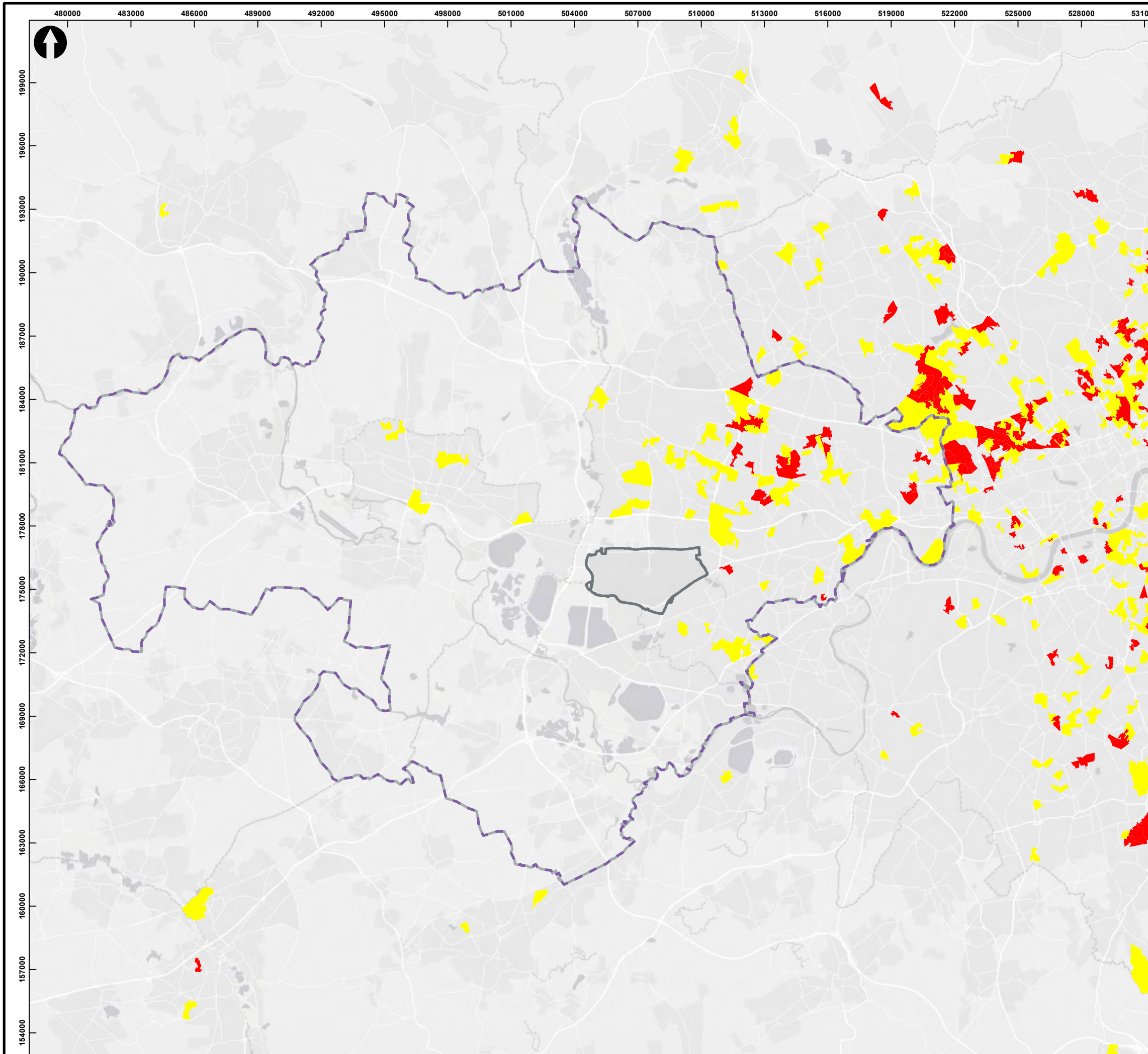
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Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

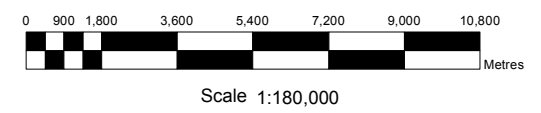
Title
 Figure 9.2.7: Indices of multiple deprivation 2015

Company Wood	Drawn By GREES	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000125				Version 1.0



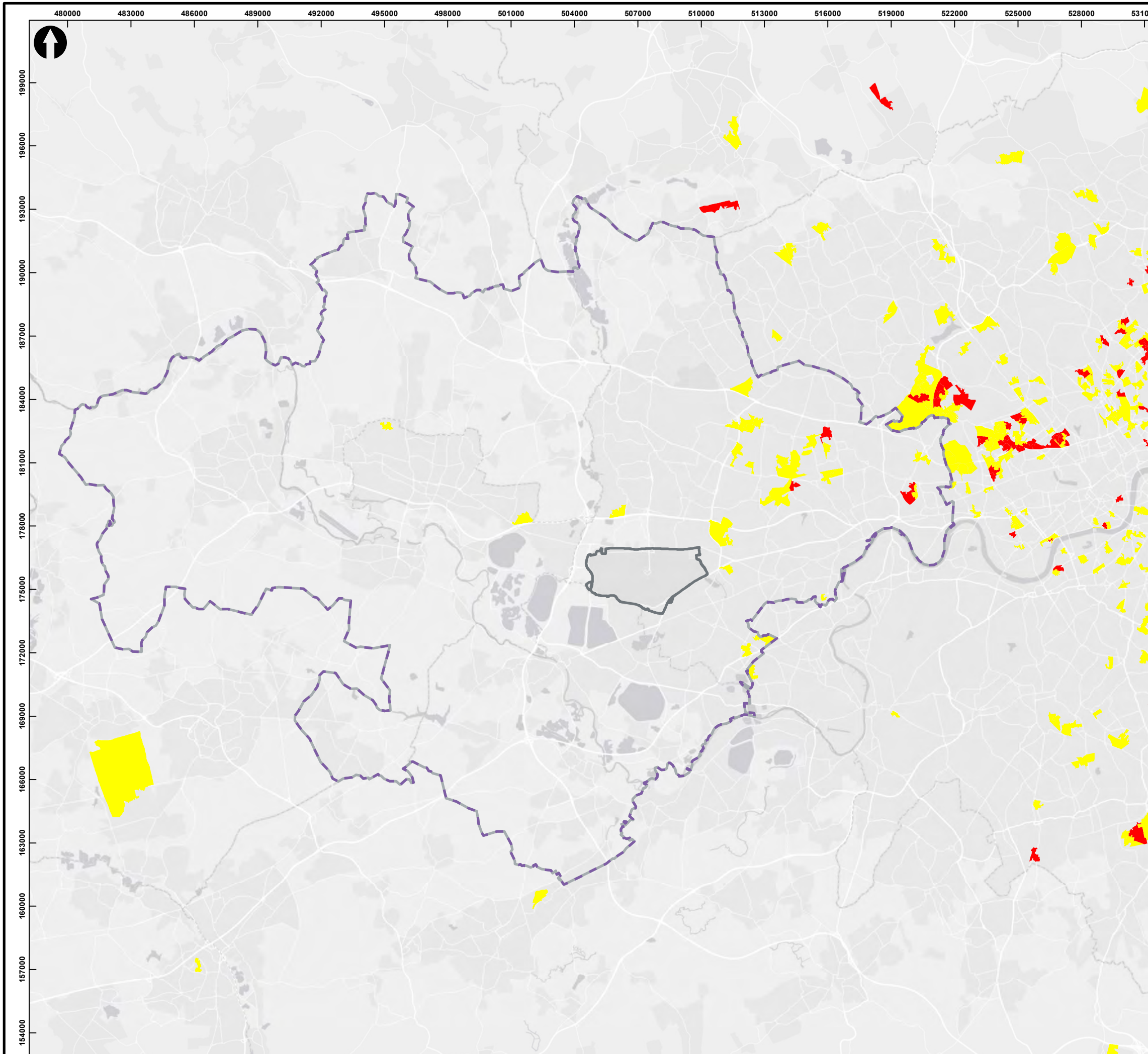
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Heathrow Planning Boundary
 Wider study area (core study area)
IMD income 2015
 10% most deprived
 20% most deprived



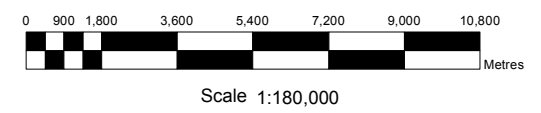
Heathrow

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Project Name Heathrow Expansion Project				Heathrow Project No. HEP53	
Title Figure 9.2.8: Indices of multiple deprivation - income domain 2015					
Company Wood	Drawn By GREES	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL	
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000126					Version 1.0



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Heathrow Planning Boundary
 Wider study area (core study area)
IMD employment 2015
 10% most deprived
 20% most deprived

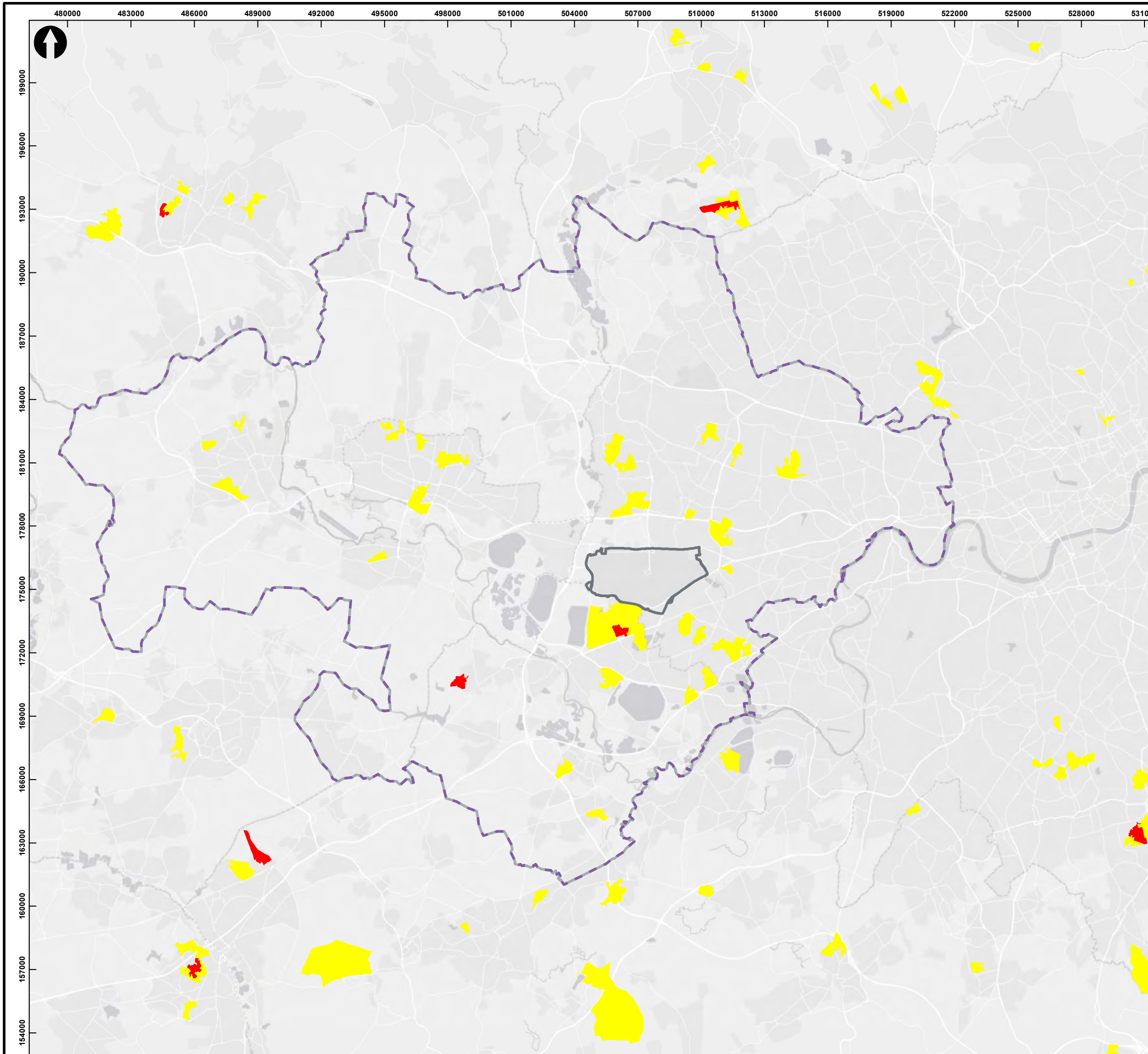


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

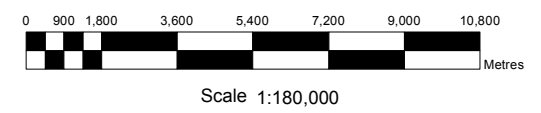
Title
 Figure 9.2.9: Indices of multiple deprivation - employment domain 2015

Company Wood	Drawn By GREES	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000127				Version 1.0

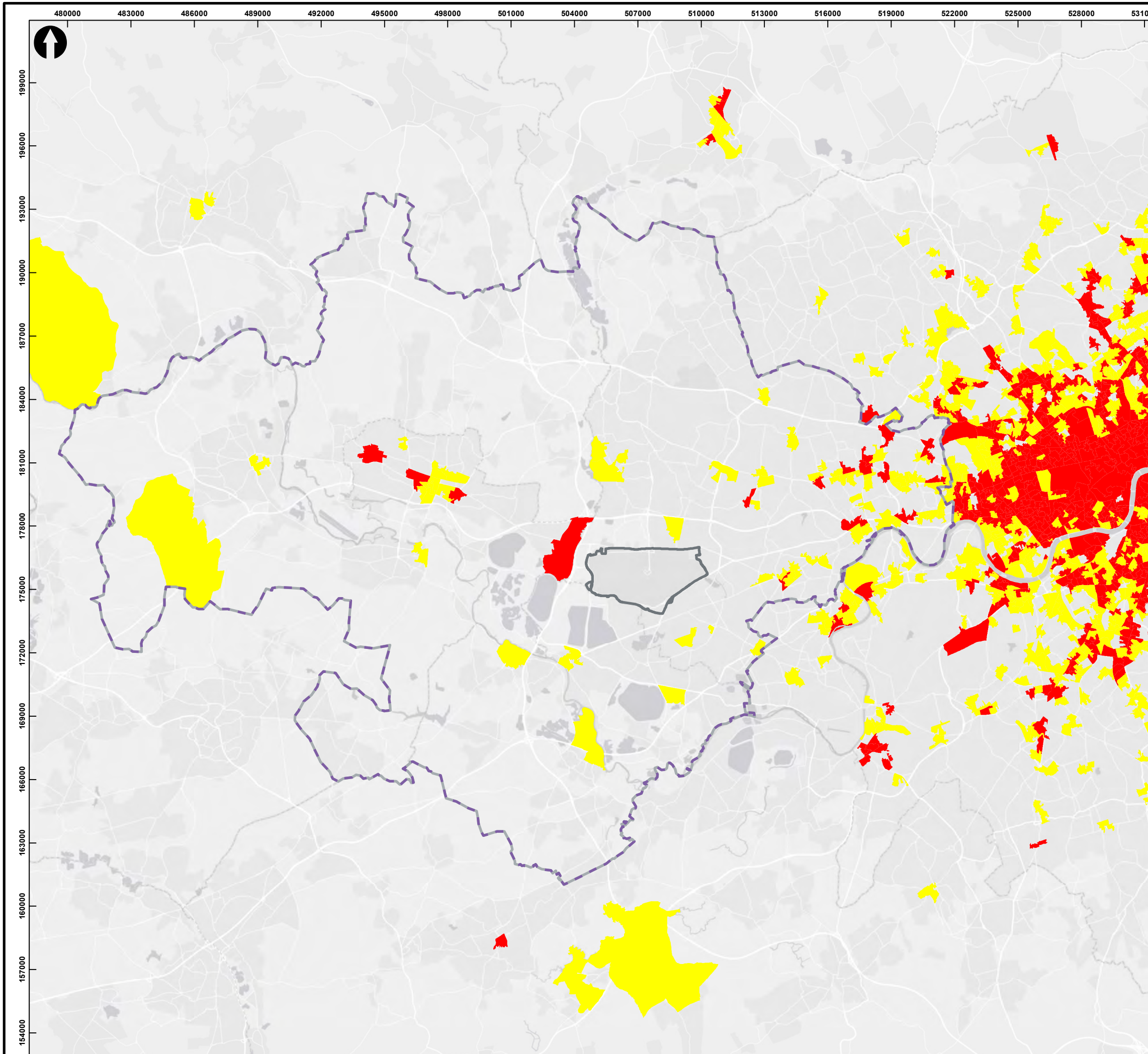


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Heathrow Planning Boundary
 Wider study area (core study area)
IMD education, skills & training 2015
 10% most deprived
 20% most deprived



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Project Name Heathrow Expansion Project				Heathrow Project No. HEP53
Title Figure 9.2.10: Indices of multiple deprivation - education, training and skills domain 2015				
Company Wood	Drawn By GREES	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000128				Version 1.0



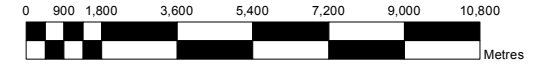
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- Heathrow Planning Boundary
- Wider study area (core study area)

IMD living environment 2015

- 10% most deprived
- 20% most deprived



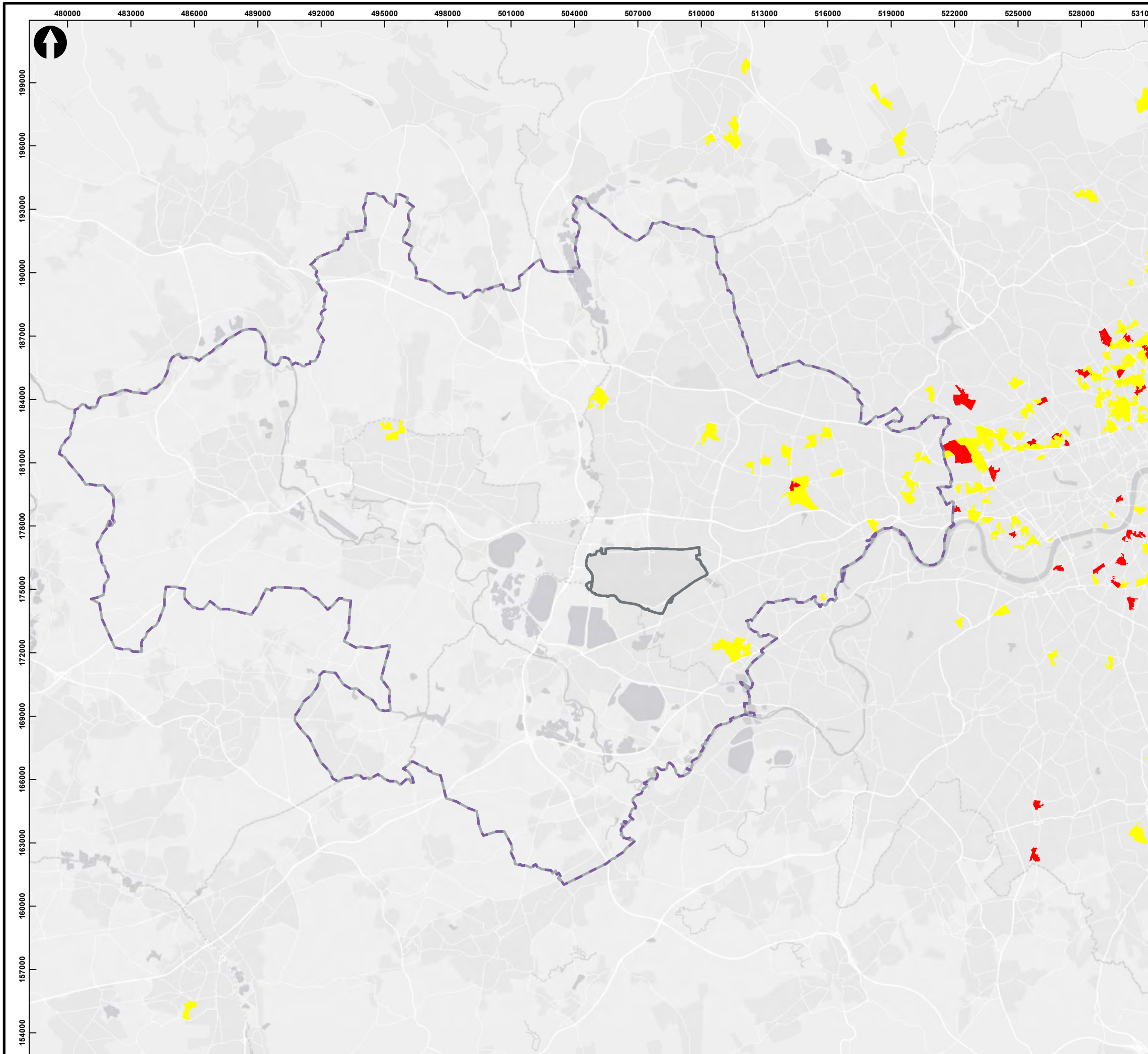
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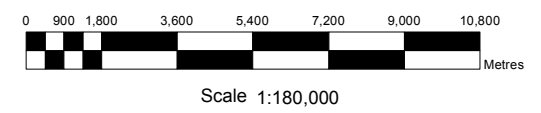
Title
 Figure 9.2.11: Indices of multiple deprivation -
 environment domain 2015

Company Wood	Drawn By GREES	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000129				Version 1.0



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Heathrow Planning Boundary
 Wider study area (core study area)
IMD health 2015
 10% most deprived
 20% most deprived

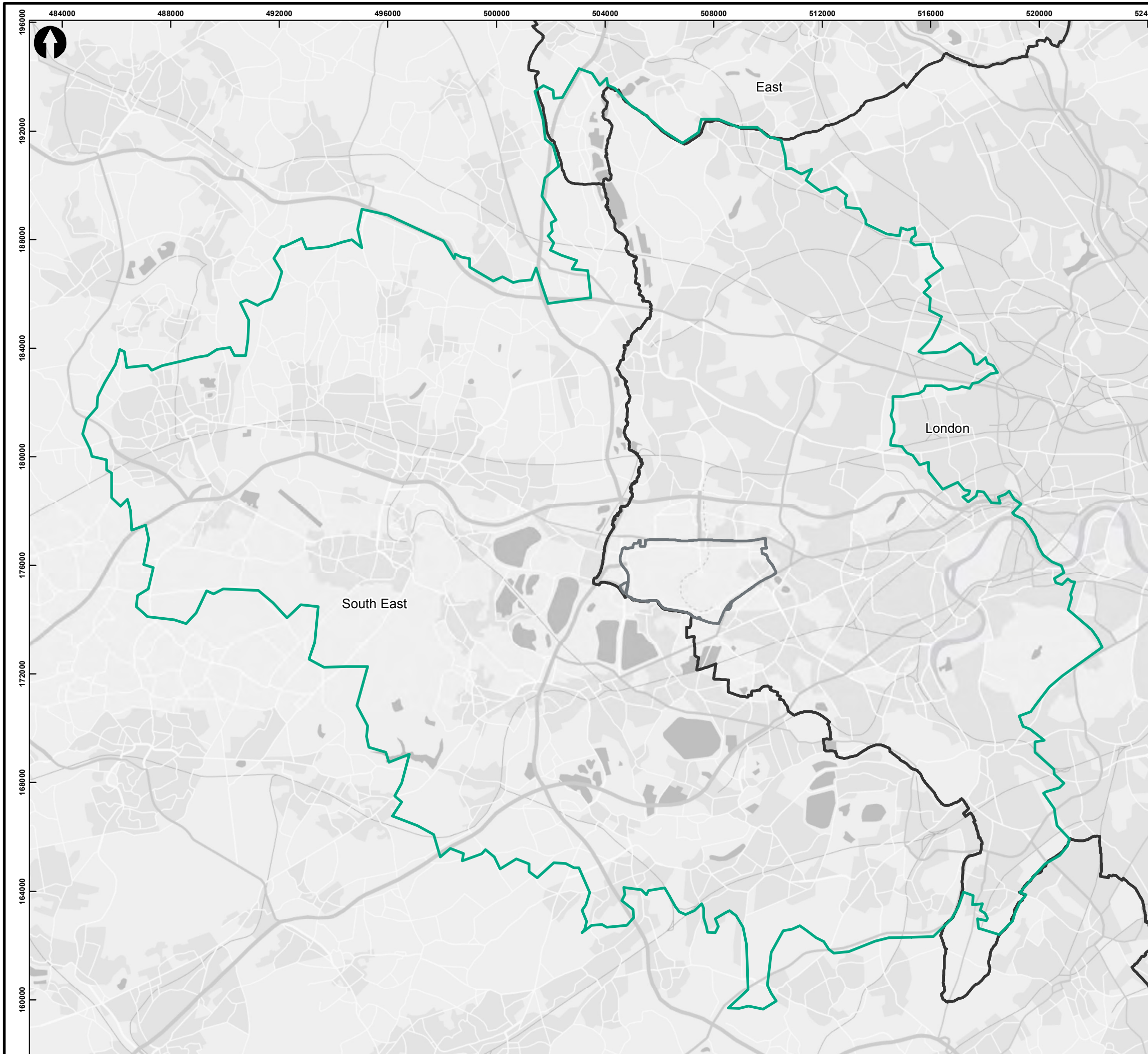


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53




Title
 Figure 9.2.12: Indices of multiple deprivation - health domain 2015

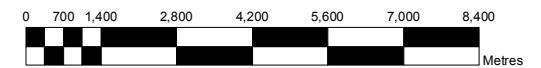
Company Wood	Drawn By GREES	Chk/Approved NOYCA	Drawn Date 10/05/2018	Status FINAL
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-  Heathrow Planning Boundary
-  Heathrow and Slough travel to work area
-  London and the South East regions



Scale 1:140,000

Heathrow

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Project Name Heathrow Expansion Project				Heathrow Project No. HEP53
Title Figure 9.2.13: Heathrow and Slough travel to work area				
Company Wood	Drawn By BUTLS	Chk/Approved KUFFA	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000131				Version 1.0



Heathrow Expansion

Resources identified within the recreational spaces and routes study area

Appendix 9.3

Resources identified within the recreational spaces and routes study area

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



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Heathrow Expansion

Resources identified within the recreational spaces and routes study area



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Figure 9.3.6 Recreational spaces within the Borough of Slough.

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Figure 9.3.8-9.3.12 Nationally, Regionally and Locally Promoted Walking Routes

Figure 9.3.13 Overview of Public Right of Way network

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Figure 9.3.16 Public Rights of Way within the Borough of Spelthorne

Figure 9.3.17 Public Rights of Way within Royal Borough of Windsor and Maidenhead

Figure 9.3.18 Public Rights of Way within the Borough of Slough

Figure 9.3.19 Public Rights of Way within South Bucks District

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Figure 9.3.21 Locally Promoted Cycle Routes

Figure 9.3.22 Regional cycle network

Figure 9.3.23 Local cycle network

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



1. RECREATIONAL SPACES

1.1.1 The desk study undertaken to inform the baseline for the assessment of open spaces and routes used for informal recreation has identified 216 recreational open spaces within the recreational spaces and routes study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.

1.1.2 An overview of all the recreational open spaces within the recreational spaces and routes study area is provided on Figure 9.3.1. The recreational open spaces within each Local Planning Authority falling within the recreational spaces and routes study area are set out in Table 9.3.1 to Table 9.3.6 and shown on Figures 9.3.2 to 9.3.7. Each identified resource has been given a unique ID to aid identification.

1.2 Recreational spaces within the London Borough of Hillingdon

1.2.1 The recreational spaces identified within the part of the London Borough of Hillingdon that falls within the recreational spaces and routes study area are set out in Table 9.3.1 and shown on Figure 9.3.2.

Table 9.3.1 Recreational spaces within the London Borough of Hillingdon

ID	Typology	Name
A0013	Semi-natural Green Space	Open Space between Hatch Lane and Pinglestone Close
A0015	Amenity Green Space	Sipson Meadow
A0019	Amenity Green Space	The Closes
A0020	Amenity Green Space	Harlington Pond Community Green
A0021	Amenity Green Space	The Dell
A0056	Amenity Green Space	Pinkwell Park
A0057	Amenity Green Space	Drayton Hall Grounds
A0058	Amenity Green Space	Harmondsworth Recreation Ground
A0060	Amenity Green Space	Longford Pocket Park
A0061	Amenity Green Space	Boltons Lane Open Space
A0066	Cemetries and Churchyards	St. Mary's Churchyard
A0067	Cemetries and Churchyards	St. Peter and St. Paul Churchyard

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0070	Cemeteries and Churchyards	Cherry Lane Cemetery
A0071	Cemeteries and Churchyards	West Drayton Cemetery
A0073	Parks and Gardens	Cranford Park
A0074	Parks and Gardens	Bedfont Lakes Country Park
A0076	Parks and Gardens	Avenue Park
A0078	Parks and Gardens	Harmondsworth Moor
A0080	Parks and Gardens	Berkeley Meadows
A0112	Semi-natural Green Space	Reservoir (no access)
A0118	Semi-natural Green Space	Open Space between M4 and A408
A0120	Semi-natural Green Space	Crane Meadows
A0121	Semi-natural Green Space	Crane Meadows
A0123	Semi-natural Green Space	Unused/Wasteland West of M4
A0124	Semi-natural Green Space	Frays Island and Mabey's Meadow Nature Reserve
A0125	Semi-natural Green Space	Caines Lane Biodiversity Site
A0126	Semi-natural Green Space	Orphaned land North-west of M4 J4
A0127	Semi-natural Green Space	Field west of A408 Stockley Road
A0128	Semi-natural Green Space	West of West Drayton Cemetery
A0129	Amenity Green Space	Recreation Ground South of Lavender Rise
A0130	Amenity Green Space	Beech Close Open Space
A0131	Semi-natural Green Space	Maryfields Lake
A0132	Semi-natural Green Space	Harmondsworth Moor North of M4
A0134	Semi-natural Green Space	Agricultural Land
A0136	Semi-natural Green Space	Longford Moor
A0137	Semi-natural Green Space	North (and West?) of Harmondsworth Tithe Barn
A0141	Play Area	Play Area off Heathrow Close (XREF A0064)
A0142	Play Area	Harmondsworth Recreation Ground (XREF A0058)
A0151	Play Area	Cranford Park (XREF A0080)

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0152	Play Area	Sipson Recreation Ground (XREF A0059)
A0153	Play Area	Browngraves Green (XREF A0051)
A0154	Play Area	Sipson Meadow Recreation Ground (XREF A0015)
A0155	Play Area	Brickfield Lane Recreation Ground (XREF A0053)
A0156	Play Area	Carfax Road Recreation Ground
A0158	Play Area	Pinkwell Park (XREF A0018)
A0159	Play Area	Recreation Ground and Public Open Space south and east of The Brambles
A0161	Play Area	Recreation Ground at northern end of The Closes (XREF A 0019)
A0162	Play Area	Recreation Ground South of Lavender Rise (XREF A0129)
A0163	Play Area	Recreation Ground east of Thornton Avenue
A0198	Waterbody	Grand Union Canal
A0201	Waterbody	Grand Union Canal
A0231	Waterbody	Packet Boat Marina (GUC)
A0232	Waterbody	Grand Union Canal (Slough Arm)
A0236	Waterbody	Lakes in Colne CP S of GUC (W)
A0237	Waterbody	Lakes/Ponds in Colne CP S of GUC (E)
A0324	Parks and Gardens	Huntsmoor Park
A0325	Green Corridor	Green Space east of T4 and A30
A0326	Green Corridor	Green space along Longford River
A0327	Amenity Green Space	POS within Junction 14 of M25
A0328	Semi-natural Green Space	Green space between M25 and minor watercourse, within redline
A0329	Green Corridor	Green Space between M25 and Harmondsworth Moor
A0330	Amenity Green Space	Green Space within BA HQ
A0331	Amenity Green Space	The Green, West Drayton

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0332	Semi-Natural Green Space	The Southlands
A0333	Green Corridor	Green Space north of M4 at Harmondsworth Lane
A0334	Semi-Natural Green Space	Gravel Pit
A0335	Semi-Natural Green Space	Woodland west of Heathrow Primary School
A0336	Amenity Green Space	Kingston Lane Recreation Ground
A0337	Green Corridor	Green Spaces within Housing Development
A0338	Green Corridor	Treebelt to south of rail line S of Stockley Park
A0339	Green Corridor	Stockley Rd Lake
A0340	Amenity Green Space	Dawley Rd/A437 Green Space
A0342	Semi-Natural Green Space	Green Space between GUC and A312, Hayes
A0345	Semi-Natural Green Space	Little Britain
A0363	Amenity Green Space	Bedfont Close Green Space
A0385	Play Area	Cowley - Play area
A0395	Play Area	Play Area east of Milton Way

1.3 Recreational spaces within the London Borough of Hounslow

1.3.1 The recreational spaces identified within the part of the London Borough of Hounslow that falls within the recreational spaces and routes study area are set out in Table 9.3.2 and shown on Figure 9.3.3.

Table 9.3.2 Recreational spaces within the London Borough of Hounslow

ID	Typology	Name
A0001	Semi-natural Green Space	Wayne Avenue Open Space Adjacent to Allotments
A0002	Semi-natural Green Space	Open Space E of Clements Court
A0022	Amenity Green Space	Beaversfield Park
A0023	Amenity Green Space	Open Space on Calvary Crescent
A0025	Amenity Green Space	Bedfont Green

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0031	Amenity Green Space	Myrtle Avenue Playground
A0048	Amenity Green Space	Chester Road Open Space
A0054	Amenity Green Space	Cage Park
A0065	Cemetries and Churchyards	N churchyard of St. Mary the Virgin, Bedfont. S Open Space S of Hatton Road
A0068	Cemetries and Churchyards	Bedfont Cemetery
A0069	Cemetries and Churchyards	NE Hatton Cemetery, Feltham. SW no access
A0075	Parks and Gardens	Hounslow Heath
A0076	Parks and Gardens	Avenue Park
A0080	Parks and Gardens	Berkeley Meadows
A0122	Semi-natural Green Space	Bedfont Lake and The Pitts
A0125	Semi-natural Green Space	Caines Lane Biodiversity Site
A0146	Play Area	Feltham Park (XREF A0026)
A0147	Play Area	Cage Park (XREF A0054)
A0148	Play Area	Bedfont Recreation Ground (XREF A0024)
A0149	Play Area	Chester Road Open Space (XREF A0048)
A0150	Play Area	Way Avenue Recreation Ground (XREF A0050)
A0207	Waterbody	Longford River (SE)
A0352	Parks and Gardens	Midsummer Avenue Park
A0354	Semi-Natural Green Space	Crane Corridor
A0355	Semi-Natural Green Space	Hatton Meadow
A0356	Amenity Green Space	Open Space in front of 101-107 Great South West Rd
A0357	Parks and Gardens	Grantley Road Park
A0358	Amenity Green Space	Aston Green Rectory Estate
A0360	Amenity Green Space	Firs Drive Open Space
A0361	Semi-Natural Green Space	Hartlands Wood and Lower Park Farm
A0363	Amenity Green Space	Bedfont Close Green Space
A0364	Amenity Green Space	Fairholme Open Space
A0365	Amenity Green Space	Grovestile Way

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0366	Amenity Green Space	Fruen Road Open Space
A0367	Amenity Green Space	Land East of Bedfont Pits
A0375	Play Area	Beaversfield Park - Play area
A0376	Play Area	Calvary Crescent - Play area
A0378	Amenity Green Space	Feltham Park
A0388	Play Area	Midsummer Avenue - Play area
A0389	Play Area	Grantley Rd Park - Play area
A0432	Amenity Green Space	Cranebank A30 verge
A0433	Amenity Green Space	Amenity space alongside Green Lane
A0434	Amenity Green Space	Amenity space Chester Way x Fusiliers Way
A0435	Amenity Green Space	Amenity space Beavers Lane
A0436	Amenity Green Space	Amenity space Chinchilla Lane
A0437	Amenity Green Space	Amenity space Burns Ave
A0438	Green Corridor	Green Lane accessing Southville Juniors School
A0439	Amenity Green Space	Amenity space Cobbs Rd Hounslow
A0441	Amenity Green Space	Green space along A315, East Bedfont west
A0442	Amenity Green Space	Green space along A315, East Bedfont east
A0443	Amenity Green Space	Green space along A315, across from Bedfont Green
A0444	Amenity Green Space	Green space along A315, across from Fairholme
A0446	Amenity Green Space	Southville Green
A0447	Green Corridor	Link to Hounslow Heath
A0448	Amenity Green Space	POS within Sparrow Farm residential development
A0449	Amenity Green Space	POS at Hatton Green

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



1.4 Recreational spaces within the Borough of Spelthorne

1.4.1 The recreational spaces identified within the part of the Borough of Spelthorne that falls within the recreational spaces and routes study area are set out in Table 9.3.3 and shown on Figure 9.3.4.

Table 9.3.3 Recreational Spaces within the Borough of Spelthorne.

ID	Typology	Name
A0035	Amenity Green Space	Stanwell Moor Recreation Ground
A0036	Amenity Green Space	Hithermoor Pocket Park
A0037	Amenity Green Space	Recreation Ground (play, tennis, bowls) off Oaks Road
A0038	Amenity Green Space	Village Park
A0039	Amenity Green Space	Stanwell Recreation Ground
A0040	Amenity Green Space	Long Lane Recreation Ground
A0041	Play Area	The Nightingales (Nuthatch Close)
A0042	Amenity Green Space	Diamedes Avenue/ Rose Garden
A0049	Amenity Green Space	Selwood Gardens
A0072	Cemeteries and Churchyards	Churchyard of St. Mary the Virgin, Stanwell
A0109	Semi-natural Green Space	Open Space North of Stanwell
A0110	Semi-natural Green Space	Clay Lane
A0116	Semi-natural Green Space	Open Space to rear of commercial units on Clay Lane
A0119	Semi-natural Green Space	Staines Moor
A0143	Play Area	Stanwell Moor Recreation Ground (XREF A0035 and A0085)
A0144	Play Area	Recreation Ground (play, tennis, bowls) off Oaks Road (XREF A0037)
A0145	Play Area	Long Lane Recreation Ground (XREF A0040)
A0215	Waterbody	Wraysbury River (S)
A0218	Waterbody	River Colne (southern section)
A0269	Waterbody	River Ash

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0295	Semi-natural Green Space	Staines Moor
A0296	Semi-natural Green Space	Shortwood Common and Birch Green
A0300	Parks and Gardens	Lammas Recreation Ground
A0301	Cemetries and Churchyards	St Mary's, Staines
A0302	Parks and Gardens	Staines Riverside
A0303	Semi-natural Green Space	Moormede Open Space
A0304	Parks and Gardens	Victoria Jubilee Gardens
A0305	Amenity Green Space	Hengrove Recreation Ground
A0306	Cemetries and Churchyards	Staines Cemetery
A0308	Amenity Green Space	Echelforde Recreation Ground
A0309	Amenity Green Space	Scott Freeman Gardens
A0310	Cemetries and Churchyards	Ashford Burial Ground
A0311	Cemetries and Churchyards	Stanwell Cemetery
A0312	Amenity Green Space	Holywell Way
A0313	Amenity Green Space	Linear POS along Hadrian Way
A0315	Amenity Green Space	POS along Town Lane
A0380	Play Area	Moormede - Play area
A0381	Play Area	Hengrove Recreation Ground - Play area
A0383	Play Area	Hadrian Way - Play area
A0390	Play Area	Village Park - Play area
A0394	Play Area	Holywell Way- Play area
A0397	Play Area	Lammas Recreation Ground - Play area
A0402	Amenity Green Space	Lauser Road Park - Town Lane Rec Ground (Local Park)
A0403	Play Area	Lauser Road Pocket Park west
A0404	Play Area	Lauser Road Pocket Park east
A0405	Amenity Green Space	Jordans Close/Town Lane amenity space
A0410	Amenity Green Space	Victory Close Pocket Park
A0413	Amenity Green Space	Land to the West of Edward Way, Ashford
A0419	Semi-natural Greenspace	Sykes Meadow

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0421	Semi-natural Greenspace	Birches Green
A0422	Semi-natural Greenspace	Leacroft Staines
A0423	Semi-natural Greenspace	Priory Green
A0424	Semi-natural Greenspace	Shortwood Common South
A0428	Parks and Gardens	Staines Memorial Gardens
A0431	Amenity Green Space	The Cog, Wraysbury Rd
A0440	Amenity Green Space	Coal Tax Gardens

1.5 Recreational spaces within the Royal Borough of Windsor and Maidenhead.

- 1.5.1 The recreational spaces identified within the part of the Royal Borough of Windsor and Maidenhead that falls within the recreational spaces and routes study area are set out in Table 9.3.4 and shown on Figure 9.3.5.

Table 9.3.4 Recreational spaces within the Royal Borough of Windsor and Maidenhead.

ID	Typology	Name
A0046	Amenity Green Space	Crown Meadow
A0117	Semi-natural Green Space	Arthur Jacob Nature Reserve
A0228	Waterbody	Colne Brook (between Colnbrook and Wraysbury)
A0229	Waterbody	Colne Brook (between Wraysbury and Thames)
A0264	Waterbody	Horton Lakes (N of railway)
A0265	Waterbody	River Thames
A0266	Waterbody	Wraysbury Lake
A0267	Waterbody	Road Lake
A0268	Waterbody	Lakes between Colne Brook and Wraysbury Reservoir
A0299	Semi-natural Green Space	OAL at Ankerwycke Farm
A0322	Semi-natural Green Space	POS north of Douglas Lane, Wraysbury
A0396	Semi-natural Green Space	Poyle Poplars

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



1.6 Recreational spaces within the Borough of Slough.

- 1.6.1 The recreational spaces identified within the part of the Borough of Slough that falls within the recreational spaces and routes study area are set out in Table 9.3.5 and shown on Figure 9.3.6.

Table 9.3.5 Recreational spaces within the Borough of Slough.

ID	Typology	Name
A0044	Amenity Green Space	Humber Way Open Space
A0045	Amenity Green Space	Stornaway Road Green Space
A0046	Amenity Green Space	Crown Meadow
A0062	Amenity Green Space	Pippins Park
A0063	Amenity Green Space	Albany Park
A0138	Play Area	Colnbrook Recreation Ground (XREF A0047)
A0139	Play Area	Colnbrook Recreation Ground (XREF A0047)
A0140	Play Area	Pippins Park (XREF A0062)
A0227	Waterbody	Colne Brook (between M4 and Colnbrook)
A0228	Waterbody	Colne Brook (between Colnbrook and Wraysbury)
A0396	Semi-natural Green Space	Poyle Poplars
A0450	Semi-natural Green Space	Old Wood

1.7 Recreational spaces within the South Bucks District.

- 1.7.1 The recreational spaces identified within the part of the South Bucks District that falls within the recreational spaces and routes study area are set out in Table 9.3.6 and shown on Figure 9.3.7.

Table 9.3.6 Recreational spaces within the South Bucks District.

ID	Typology	Name
A0113	Semi-natural Green Space	Thorney Country Park
A0124	Semi-natural Green Space	Frays Island and Mabey's Meadow Nature Reserve
A0131	Semi-natural Green Space	Maryfields Lake

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
A0226	Waterbody	Colne Brook (between GUC and M4)
A0232	Waterbody	Grand Union Canal (Slough Arm)
A0236	Waterbody	Lakes in Colne CP S of GUC (W)
A0318	Amenity Green Space	Iver Green (name TBC)
A0319	Semi-natural Green Space	Farlows Lake
A0321	Semi-natural Green Space	POS north of Iver Station
A0345	Semi-Natural Green Space	Little Britain
A0392	Play Area	Iver Recreation Ground - Play area

Heathrow Expansion

Resources identified within the recreational spaces and routes study area

**2. RECREATIONAL ROUTES**

2.1.1 The desk study undertaken to inform the baseline for the assessment of open spaces and routes used for informal recreation has identified over 300 recreational routes, including cycle routes, long distance footpaths and local Public Rights of Way (PRoWs), within the recreational spaces and routes study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.

2.2 Nationally, Regionally and Locally Promoted Walking Routes

2.2.1 Within the recreational spaces and routes study area, one National Trail, seven Regional Trails and six Locally Promoted Walks were identified. These routes are set out in Table 9.3.7 and shown in overview on Figure 9.3.8, and in detail on Figures 9.3.9 through 9.3.12.

2.2.2 In the case of the long distance footpaths, such as the Grand Union Canal, which crosses the study area from east to west, and has several branches within the study area, the route has been subdivided into sections, each with a unique ID number. The ID number refers to the section of path found on the ground.

2.2.3 In some instances, multiple named routes may follow the same section of path, hence the same ID number may apply to a section forming part of several routes. For example, R0042 refers to a section of towpath along the Grand Union Canal Slough Arm, which simultaneously hosts the Grand Union Canal Walk, Shakespeare's Way and Beeches Way long distance footpaths.

Table 9.3.7 Nationally, Regionally and Locally Promoted Walking Routes

ID	Typology	Name
R0052, R0053	National Trail	The Thames Path
R0042, R0045, R0046, R0058, R0060, R0330	Regional Trail	Beeches Way
R0045, R0047, R0057, R0060, R0332	Regional Trail	Colne Valley Trail
R0054 to R0056	Regional Trail	Colne Valley Way
R0036 to R0043	Regional Trail	Grand Union Canal Walk
R0036, R0038 and R0048	Regional Trail	Hillingdon Trail
R0038 to R0040, R0044, R0045, R0047 to R0050, R0333	Regional Trail	London Loop

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0037 to R0040, R0042, R0045, R0058, R0060	Regional Trail	Shakespeare's Way
R0026	Locally Promoted Walk	Lammas Lakes to Staines Moor
R0029	Locally Promoted Walk	Ankerwycke to Runnymede
R0030	Locally Promoted Walk	Donkey Wood
R0031	Locally Promoted Walk	Cranford Park & Avenue Park
R0032	Locally Promoted Walk	Bedfont Lakes
R0033	Locally Promoted Walk	Hounslow Heath

2.3 Public Right of Way Network

2.3.1 Within the recreational spaces and routes study area, numerous local footpaths, bridleways and byways were identified. These routes are organised by their host Local Planning Authority, and are set out in Table 9.3.8 to Table 9.3.13, and shown in overview on Figure 9.3.13, and in detail on Figures 9.3.14 through 9.3.19.

Public Rights of Way within London Borough of Hillingdon

2.3.2 The Public Rights of Way identified within the part of the London Borough of Hillingdon that falls within the recreational spaces and routes study area are set out in Table 9.3.8 and shown on Figure 9.3.14.

Table 9.3.8 Public Rights of Way within London Borough of Hillingdon

ID	Typology	Name
R0219	Local Byway	Hillingdon PRoW Y23
R0220	Local Bridleway	Hillingdon PRoW Y13
R0221	Local Byway	Hillingdon PRoW Y12
R0222	Local Footpath	Hillingdon PRoW Y11
R0223	Local Footpath	Hillingdon PRoW Y10
R0224	Local Byway	Hillingdon PRoW Y9
R0225	Local Footpath	Hillingdon PRoW Y21
R0226	Local Footpath	Hillingdon PRoW Y20
R0227	Local Footpath	Hillingdon PRoW Y15
R0228	Local Footpath	Hillingdon PRoW Y19

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0229	Local Footpath	Hillingdon PRoW Y8
R0230	Local Footpath	Hillingdon PRoW Y5
R0231	Local Footpath	Hillingdon PRoW Y4
R0232	Local Footpath	Hillingdon PRoW Y6
R0237	Local Footpath	Hillingdon PRoW Y22
R0238	Local Footpath	Hillingdon PRoW H68
R0239	Local Footpath	Hillingdon PRoW H81
R0240	Local Footpath	Hillingdon PRoW H80
R0241	Local Footpath	Hillingdon PRoW H75
R0242	Local Footpath	Hillingdon PRoW H63
R0243	Local Footpath	Hillingdon PRoW unnamed
R0244	Local Footpath	Hillingdon PRoW H78
R0245	Local Footpath	Hillingdon PRoW H60
R0246	Local Footpath	Hillingdon PRoW H79
R0247	Local Footpath	Hillingdon PRoW H57
R0248	Local Footpath	Hillingdon PRoW unnamed
R0249	Local Byway	Hillingdon PRoW H70
R0278	Local Footpath	Hillingdon PRoW unnamed
R0279	Local Bridleway	Hillingdon PRoW unnamed
R0304	Local Footpath	Hillingdon PRoW Y28

Public Rights of Way within London Borough of Hounslow

2.3.3 The Public Rights of Way identified within the part of the London Borough of Hounslow that falls within the recreational spaces and routes study area are set out in Table 9.3.9 and shown on Figure 9.3.15.

Table 9.3.9 Public Rights of Way within London Borough of Hounslow

ID	Typology	Name
R0211	Local Footpath	Hounslow PRoW
R0212	Local Footpath	Hounslow PRoW
R0213	Local Footpath	Hounslow PRoW
R0217	Local Footpath	Hounslow PRoW
R0218	Local Byway	Hounslow PRoW

Heathrow Expansion

Resources identified within the recreational spaces and routes study area

**Public Rights of Way within the Borough of Spelthorne**

2.3.4 The Public Rights of Way identified within the part of the Borough of Spelthorne that falls within the recreational spaces and routes study area are set out in Table 9.3.10 and shown on Figure 9.3.16.

Table 9.3.10 Public Rights of Way within the Borough of Spelthorne

ID	Typology	Name
R0153	Local Bridleway	Staines PRoW 51
R0154	Local Bridleway	Staines PRoW 51
R0155	Local Bridleway	Staines PRoW 51
R0156	Local Footpath	Staines PRoW 2
R0157	Local Bridleway	Staines PRoW 50
R0158	Local Footpath	Staines PRoW 9
R0159	Local Bridleway	Staines PRoW 3
R0160	Local Footpath	Staines PRoW 4
R0161	Local Footpath	Staines PRoW 7
R0162	Local Footpath	Staines PRoW 6
R0163	Local Footpath	Staines PRoW 7a
R0164	Local Footpath	Staines PRoW 8
R0165	Local Footpath	Staines PRoW 3
R0166	Local Footpath	Staines PRoW 10
R0167	Local Footpath	Staines PRoW 11
R0168	Local Footpath	Staines PRoW 12
R0169	Local Footpath	Staines PRoW 14
R0170	Local Footpath	Staines PRoW 19
R0171	Local Footpath	Staines PRoW 17
R0172	Local Footpath	Staines PRoW 18
R0173	Local Footpath	Staines PRoW 20
R0174	Local Footpath	Staines PRoW 20
R0175	Local Footpath	Staines PRoW 49
R0176	Local Footpath	Staines PRoW 22
R0177	Local Footpath	Staines PRoW 21
R0178	Local Footpath	Staines PRoW 45
R0179	Local Footpath	Staines PRoW 13

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0180	Local Footpath	Staines PRoW 43
R0181	Local Footpath	Staines PRoW 43
R0206	Local Footpath	Staines PRoW 24
R0207	Local Footpath	Staines PRoW 25
R0208	Local Footpath	Staines PRoW 26
R0209	Local Byway	Staines PRoW 42
R0210	Local Footpath	Staines PRoW 69
R0290	Local Footpath	Staines PRoW 5
R0291	Local Footpath	Staines PRoW 23
R0309	Local Footpath	Staines NCP Prow 47
R0310	Local Footpath	Staines NCP Prow 44
R0312	Local Bridleway	Staines NCP Prow 51
R0313	Local Footpath	Staines NCP Prow 16

Public Rights of Way within Royal Borough of Windsor and Maidenhead

2.3.5 The Public Rights of Way identified within the part of the Royal Borough of Windsor and Maidenhead that falls within the recreational spaces and routes study area are set out in Table 9.3.11 and shown on Figure 9.3.17.

Table 9.3.11 Public Rights of Way within Royal Borough of Windsor and Maidenhead

ID	Typology	Name
R0137	Local Footpath	RBWM PRoW HORT/1/1
R0138	Local Bridleway	RBWM PRoW HORT/5/1
R0139	Local Bridleway	RBWM PRoW HORT/4/1
R0140	Local Footpath	RBWM PRoW HORT/3/1
R0141	Local Footpath	RBWM PRoW WRAY/6/1
R0142	Local Footpath	RBWM PRoW WRAY/1/1
R0143	Local Footpath	RBWM PRoW WRAY/11/1
R0144	Local Footpath	RBWM PRoW WRAY/8A/1
R0145	Local Footpath	RBWM PRoW WRAY/8B/1
R0146	Local Footpath	RBWM PRoW WRAY/9/1
R0147	Local Footpath	RBWM PRoW WRAY/9/2

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0148	Local Footpath	RBWM PRoW WRAY/7/1
R0149	Local Footpath	RBWM PRoW WRAY/4/1
R0150	Local Footpath	RBWM PRoW WRAY/3/1
R0151	Local Footpath	RBWM PRoW WRAY/10/1
R0152	Local Footpath	RBWM PRoW WRAY/2/1
R0298	Local Footpath	RBWM PRoW DATC/7/2
R0299	Local Footpath	RBWM PRoW DATC/7/1
R0305	Local Footpath	RBWM PRoW WRAY/11/2
R0334	Local Footpath	RBWM PRoW DATC/6/1
R0335	Local Footpath	RBWM PRoW WRAY/11/3
R0336	Local Footpath	RBWM PRoW WRAY/13/1
R0337	Local Footpath	RBWM PRoW WRAY/12/1
R0338	Local Footpath	RBWM PRoW WRAY/8C/1
R0339	Local Footpath	RBWM PRoW WRAY/8C/2

Public Rights of Way within the Borough of Slough

2.3.6 The Public Rights of Way identified within the part of the Borough of Slough that falls within the recreational spaces and routes study area are set out in Table 9.3.12 and shown on Figure 9.3.18.

Table 9.3.12 Public Rights of Way within the Borough of Slough

ID	Typology	Name
R0061	Local Bridleway	Slough PRoW 5
R0062	Local Footpath	Slough PRoW 2b
R0063	Local Bridleway	Slough PRoW 2a
R0064	Local Bridleway	Slough PRoW 6
R0065	Local Footpath	Slough PRoW 6a
R0066	Local Footpath	Slough PRoW 2
R0067	Local Footpath	Slough PRoW 1
R0068	Local Footpath	Slough PRoW 8
R0069	Local Footpath	Slough PRoW 9
R0070	Local Footpath	Slough PRoW 43

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0071	Local Footpath	Slough PRoW 42
R0080	Local Footpath	Slough PRoW 41
R0082	Local Footpath	Slough PRoW 74
R0286	Local Footpath	Slough PRoW 3
R0314	Local Footpath	Slough PRoW 5A
R0315	Local Footpath	Slough PRoW 7

Public Rights of Way within South Bucks District

2.3.7 The Public Rights of Way identified within the part of South Bucks District that falls within the recreational spaces and routes study area are set out in Table 9.3.13 and shown on Figure 9.3.19.

Table 9.3.13 Public Rights of Way within South Bucks District

ID	Typology	Name
R0083	Local Footpath	South Bucks PRoW WEX/18/3
R0098	Local Bridleway	South Bucks PRoW IVE/11/1
R0099	Local Footpath	South Bucks PRoW IVE/4A/1
R0100	Local Footpath	South Bucks PRoW IVE/4A/2
R0101	Local Footpath	South Bucks PRoW IVE/27/1
R0102	Local Footpath	South Bucks PRoW IVE/26/1
R0103	Local Footpath	South Bucks PRoW IVE/25/1
R0104	Local Footpath	South Bucks PRoW IVE/28/1
R0105	Local Footpath	South Bucks PRoW IVE/29/1
R0106	Local Footpath	South Bucks PRoW IVE/28/4
R0107	Local Footpath	South Bucks PRoW IVE/35/1
R0108	Local Footpath	South Bucks PRoW IVE/28/3
R0109	Local Footpath	South Bucks PRoW IVE/36/1
R0110	Local Footpath	South Bucks PRoW IVE/30/2
R0111	Local Footpath	South Bucks PRoW IVE/16/3
R0112	Local Footpath	South Bucks PRoW IVE/17/3
R0113	Local Footpath	South Bucks PRoW IVE/17/8
R0114	Local Footpath	South Bucks PRoW IVE/17/7
R0115	Local Footpath	South Bucks PRoW IVE/16/1

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0116	Local Bridleway	South Bucks PRoW IVE/P1(BW)/1
R0117	Local Bridleway	South Bucks PRoW IVE/P1(BW)/1
R0118	Local Footpath	South Bucks PRoW IVE/21/3
R0119	Local Footpath	South Bucks PRoW IVE/16/2
R0120	Local Footpath	South Bucks PRoW IVE/21/2
R0121	Local Bridleway	South Bucks PRoW IVE/31/2
R0122	Local Footpath	South Bucks PRoW IVE/34/1
R0123	Local Footpath	South Bucks PRoW IVE/20/1
R0124	Local Footpath	South Bucks PRoW IVE/24/1
R0125	Local Footpath	South Bucks PRoW IVE/15/1
R0126	Local Footpath	South Bucks PRoW IVE/18/1
R0127	Local Footpath	South Bucks PRoW IVE/15A/1
R0128	Local Footpath	South Bucks PRoW IVE/17/5
R0129	Local Footpath	South Bucks PRoW IVE/17/6
R0130	Local Footpath	South Bucks PRoW IVE/17/1
R0131	Local Footpath	South Bucks PRoW IVE/17/4
R0132	Local Footpath	South Bucks PRoW IVE/15/2
R0133	Local Footpath	South Bucks PRoW IVE/14/1
R0134	Local Footpath	South Bucks PRoW IVE/15/3
R0135	Local Footpath	South Bucks PRoW IVE/13/1
R0287	Local Footpath	South Bucks PRoW IVE/20/2
R0288	Local Footpath	South Bucks PRoW IVE/20/3
R0289	Local Footpath	South Bucks PRoW IVE/31/1
R0292	Local Footpath	South Bucks PRoW IVE/21/1
R0293	Local Footpath	South Bucks PRoW IVE/16/4
R0294	Local Footpath	South Bucks PRoW IVE/16/5
R0306	Local Footpath	South Bucks PRoW IVE/P2(FP)1
R0307	Local Footpath	South Bucks PRoW IVE/17/2



Heathrow Expansion

Resources identified within the recreational spaces and routes study area

2.4 Promoted recreational cycle routes

- 2.4.1 The desk study undertaken to inform the baseline for the assessment of open spaces and routes used for informal recreation has identified 11 promoted recreational cycle routes within the recreational spaces and routes study area. This is an initial list of resources to be included in the assessment and will be refined through field survey and consultation feedback.
- 2.4.2 It is noted that there are extensive networks of cycle routes in the area, which may be used recreationally, however this section of the study focuses only on routes which have been identified and promoted for recreational purposes.

Nationally and Locally Promoted Cycle Routes

- 2.4.3 Three Sustrans National Cycle Routes were found to enter the study area, and are generally limited to the northern and southern edges of the study area.
- 2.4.4 Eight Locally Promoted Cycle Routes were found within, or crossing into, the study area.
- 2.4.5 These are listed in Table 9.3.14, and are illustrated in Figures 9.3.20 and 9.3.21.

Table 9.3.14 Nationally and Locally Promoted Cycle Routes

ID	Typology	Name
R0001	Sustrans NCN	National Route 61
R0002	Sustrans NCN	National Route 4 Thames Valley
R0326	Sustrans NCN	National Route 6
R0321	Locally Promoted Cycle Route	Hounslow park ride
R0322	Locally Promoted Cycle Route	Cranford and Heston ride
R0327	Locally Promoted Cycle Route	Hounslow local cycle track
R0329	Locally Promoted Cycle Route	The Jubilee River & Slough Linear park route
R0340	Locally Promoted Cycle Route	Spelthorne Route 1 Ashford-Staines upon Thames
R0341	Locally Promoted Cycle Route	Spelthorne Route 4 Staines upon Thames to Shepperton
R0342	Locally Promoted Cycle Route	Spelthorne Route 5 Staines upon Thames to Thorpe
R0343	Locally Promoted Cycle Route	Spelthorne Route 6 Laleham to Chertsey

Heathrow Expansion

Resources identified within the recreational spaces and routes study area



ID	Typology	Name
R0344	Locally Promoted Cycle Route	Spelthorne Route 8 Stanwell Moor to Wraysbury to Staines upon Thames

2.5 Other identified cycling resources

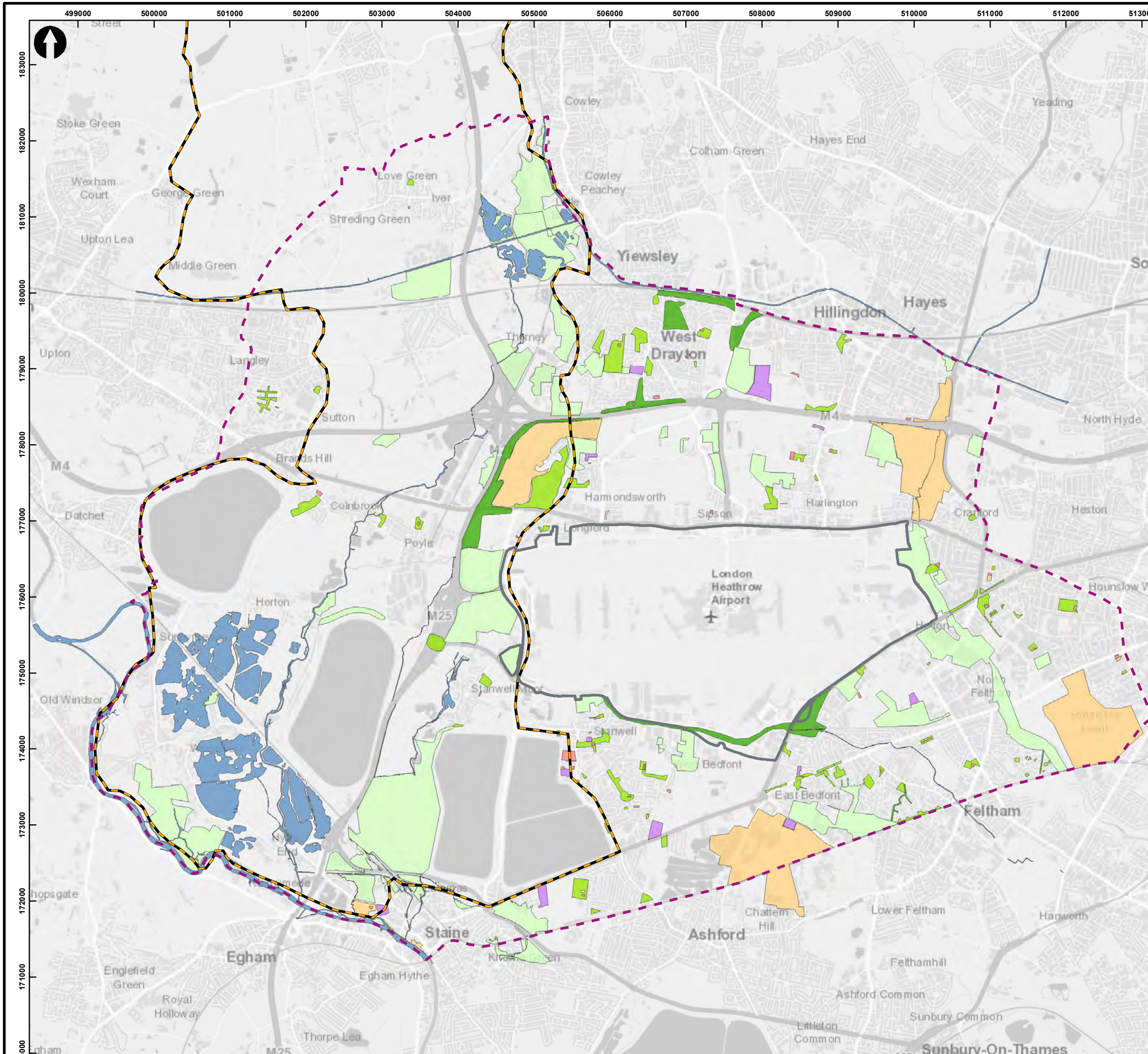
2.5.1 A dense network of on- and off-road cycling routes which are promoted by local councils and other bodies has been noted within the study area, however due to the extensive nature of the cycle network, no attempt has been made to individually identify these routes at this stage.

Regional Cycle Network

2.5.2 Transport for London (TfL) has identified a network of cycle routes which extends from central London to the M25. This network is shown on Figure 9.3.22.

Local Cycle Network

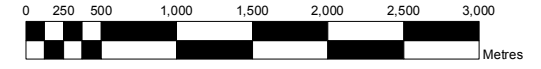
2.5.3 Within the study area, some Local Planning Authorities have published plans showing cycle routes within their boundaries. The Local Planning Authorities with available plans included in this study are Hillingdon, Windsor and Maidenhead, Slough and Spelthorne. This network is shown in Figure 9.3.23.



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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Colne Valley Regional Park
- Areas of informal recreation**
- Amenity Green Space
- Cemeteries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody



Scale 1:50,000

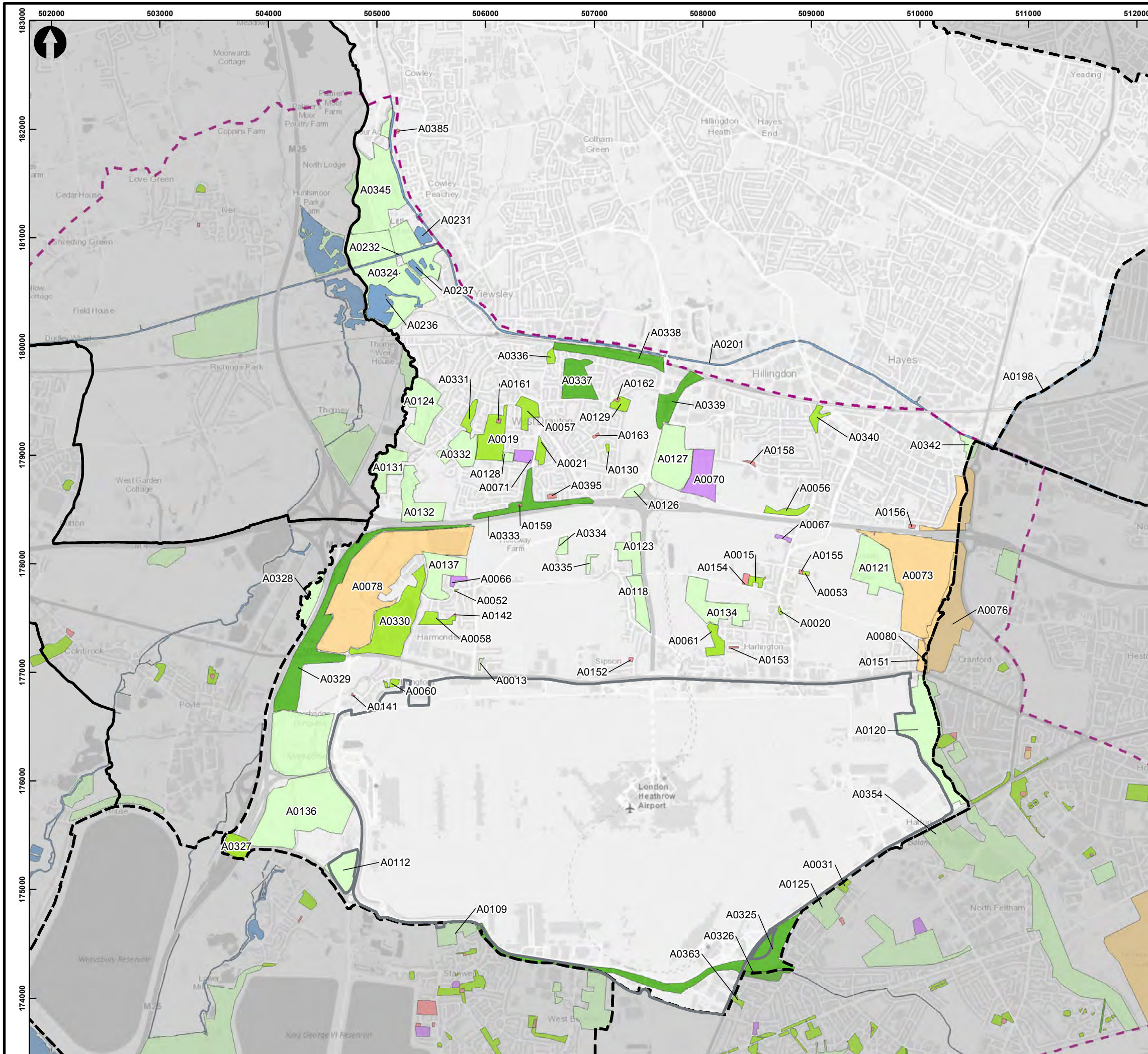
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Title
 Figure 9.3.1: Areas of informal recreation identified within the recreational spaces and routes study area

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000132	Version 1.0
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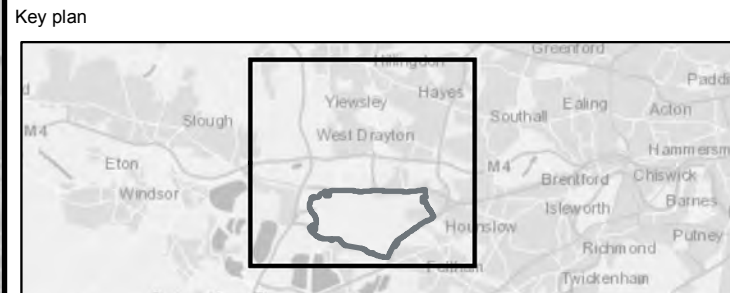
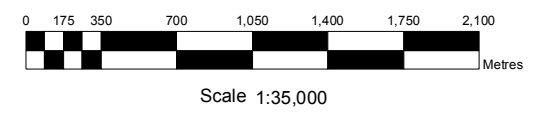
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Legend

- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Local Planning Authority boundaries

Areas of informal recreation

- Amenity Green Space
- Cemetries and Churchyards
- Green Corridor
- Parks and Gardens
- Play Area
- Semi-natural Green Space
- Waterbody

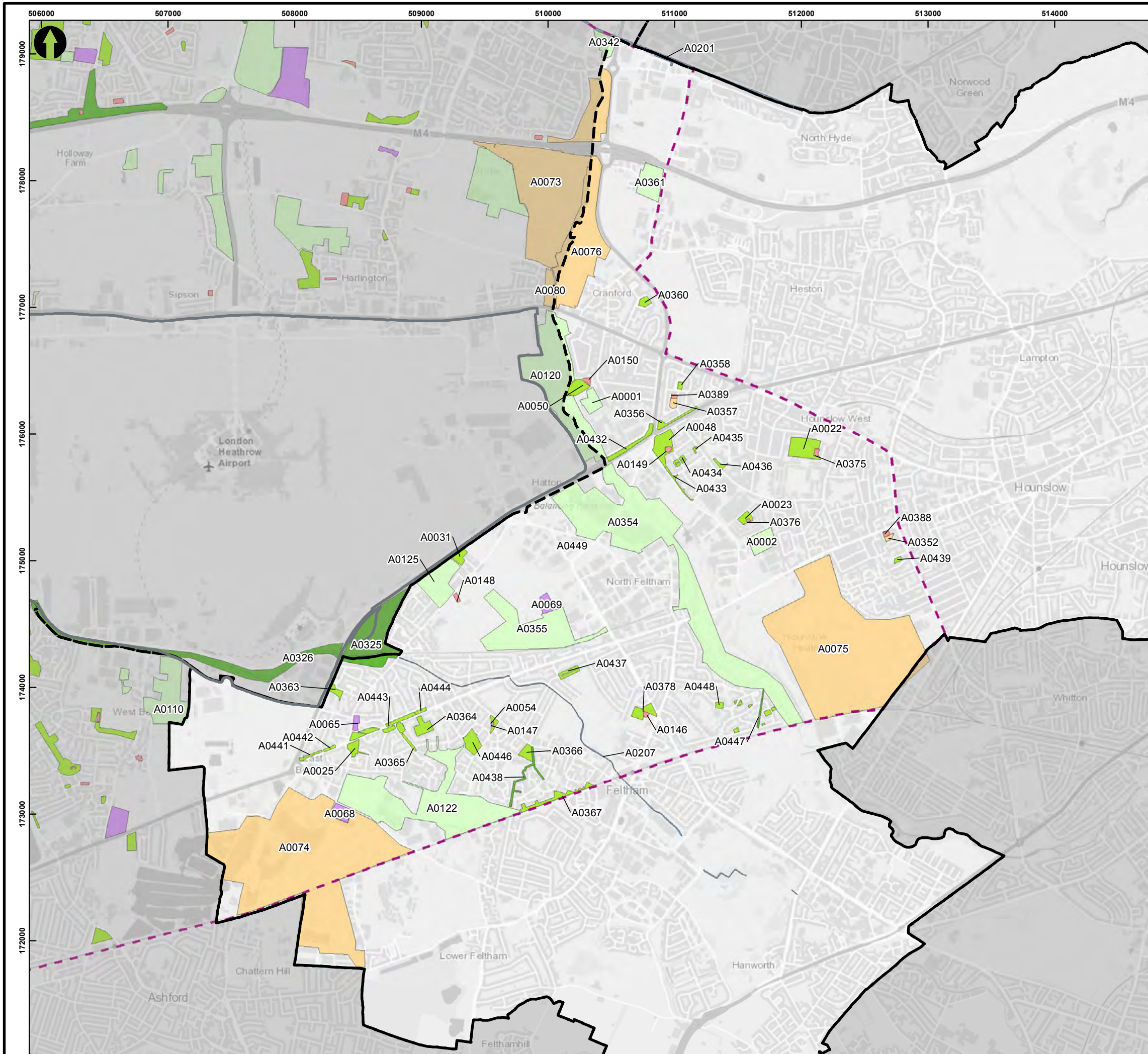


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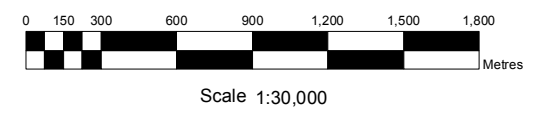
Title
 Figure 9.3.2: Areas of informal recreation identified within the recreational spaces and routes study area within the London Borough of Hillingdon

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- Heathrow Planning Boundary
 - Recreational spaces and routes study area
 - Local Planning Authority boundaries
- Areas of informal recreation**
- Amenity Green Space
 - Cemeteries and Churchyards
 - Green Corridor
 - Parks and Gardens
 - Play Area
 - Semi-natural Green Space
 - Waterbody

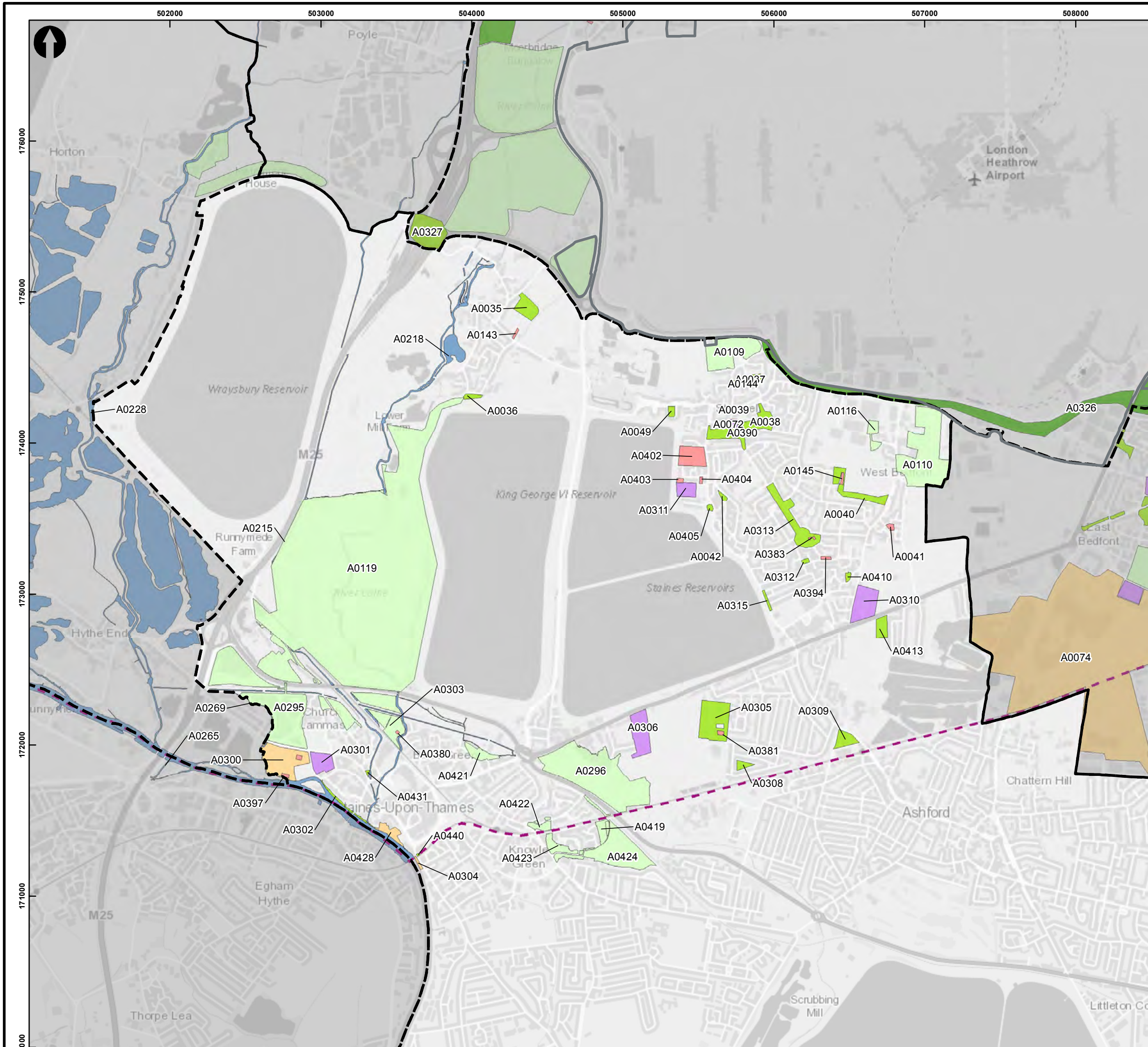


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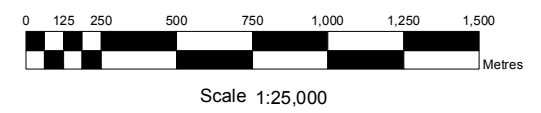
Title
 Figure 9.3.3: Areas of informal recreation identified within the recreational spaces and routes study area within the London Borough of Hounslow

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- Heathrow Planning Boundary
 - Recreational spaces and routes study area
 - Local Planning Authority boundaries
- Areas of informal recreation**
- Amenity Green Space
 - Cemeteries and Churchyards
 - Green Corridor
 - Parks and Gardens
 - Play Area
 - Semi-natural Green Space
 - Waterbody

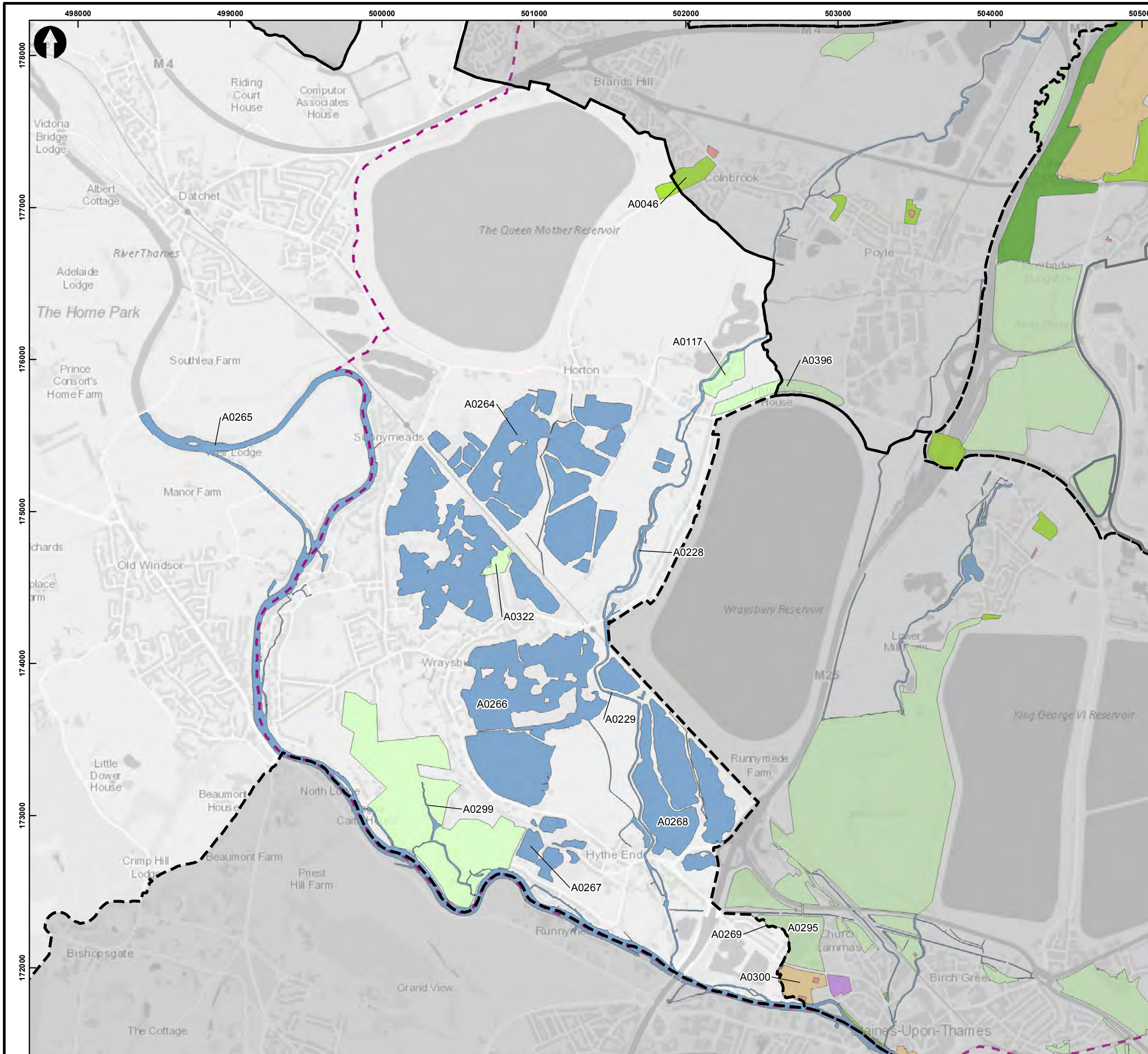


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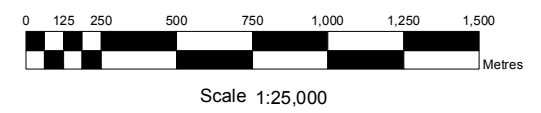
Title
 Figure 9.3.4: Areas of informal recreation identified within the recreational spaces and routes study area within the London Borough of Spelthorne

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- Heathrow Planning Boundary
 - Recreational spaces and routes study area
 - Local Planning Authority boundaries
- Areas of informal recreation**
- Amenity Green Space
 - Cemeteries and Churchyards
 - Green Corridor
 - Parks and Gardens
 - Play Area
 - Semi-natural Green Space
 - Waterbody

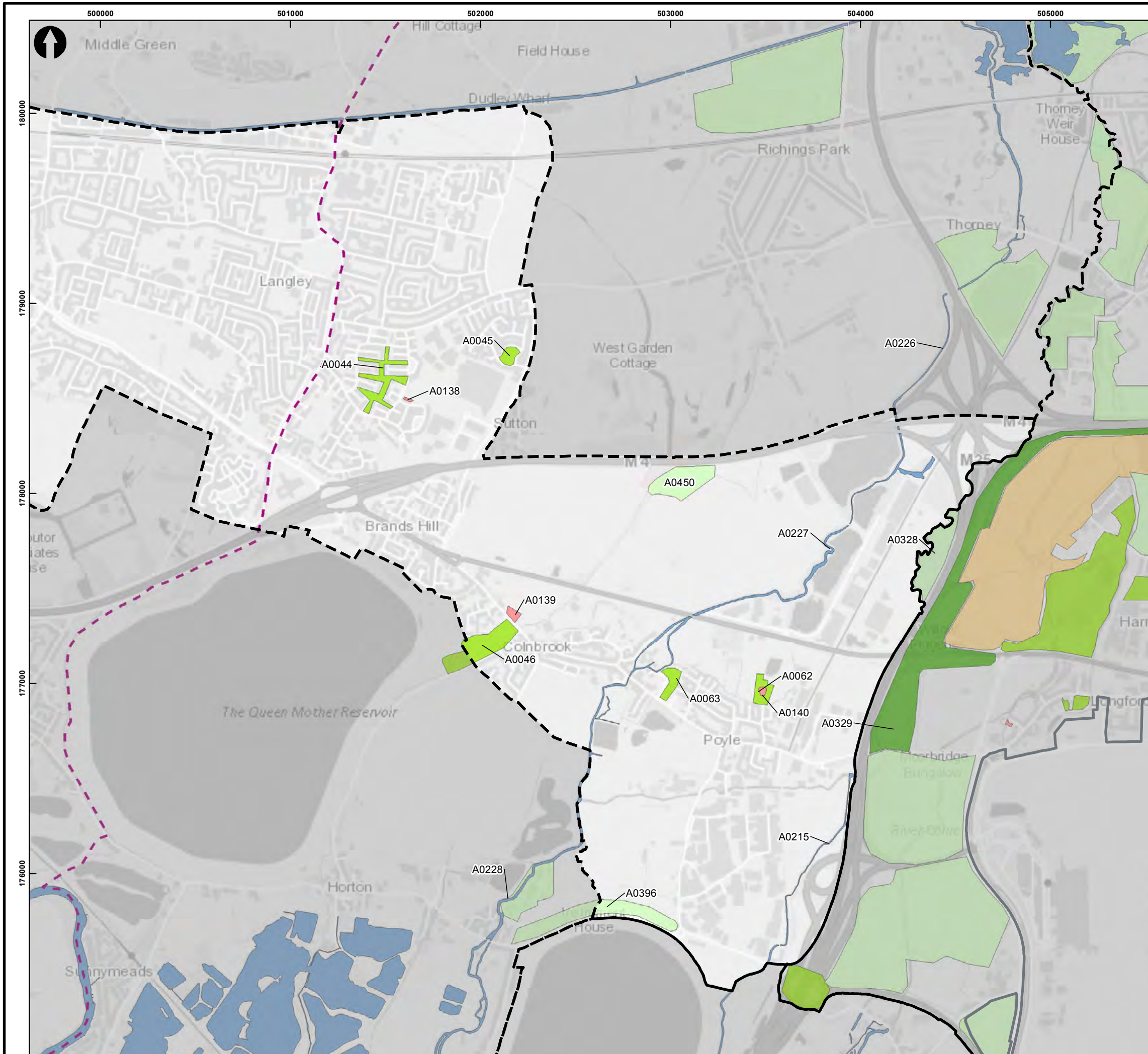


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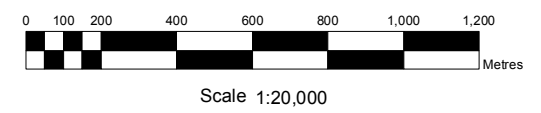
Title
 Figure 9.3.5: Areas of informal recreation identified within the recreational spaces and routes study area within the London Borough of Windsor and Maidenhead

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- Heathrow Planning Boundary
 - Recreational spaces and routes study area
 - Local Planning Authority boundaries
- Areas of informal recreation**
- Amenity Green Space
 - Cemeteries and Churchyards
 - Green Corridor
 - Parks and Gardens
 - Play Area
 - Semi-natural Green Space
 - Waterbody

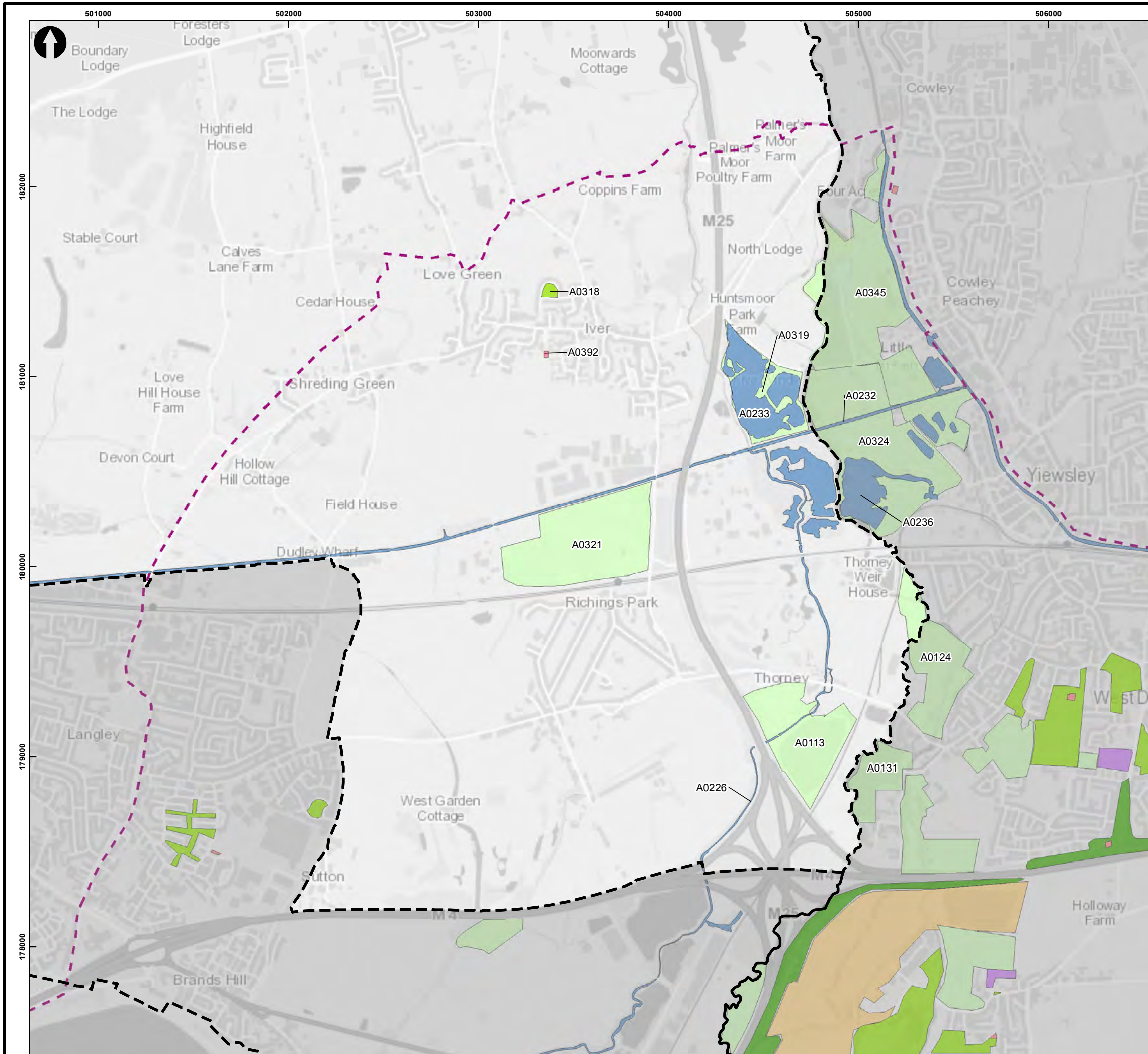


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Title
 Figure 9.3.6: Areas of informal recreation identified within the recreational spaces and routes study area within the Borough of Slough

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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Local Planning Authority boundaries

- Areas of informal recreation**
- Amenity Green Space
 - Cemeteries and Churchyards
 - Green Corridor
 - Parks and Gardens
 - Play Area
 - Semi-natural Green Space
 - Waterbody



Scale 1:20,000

Key plan

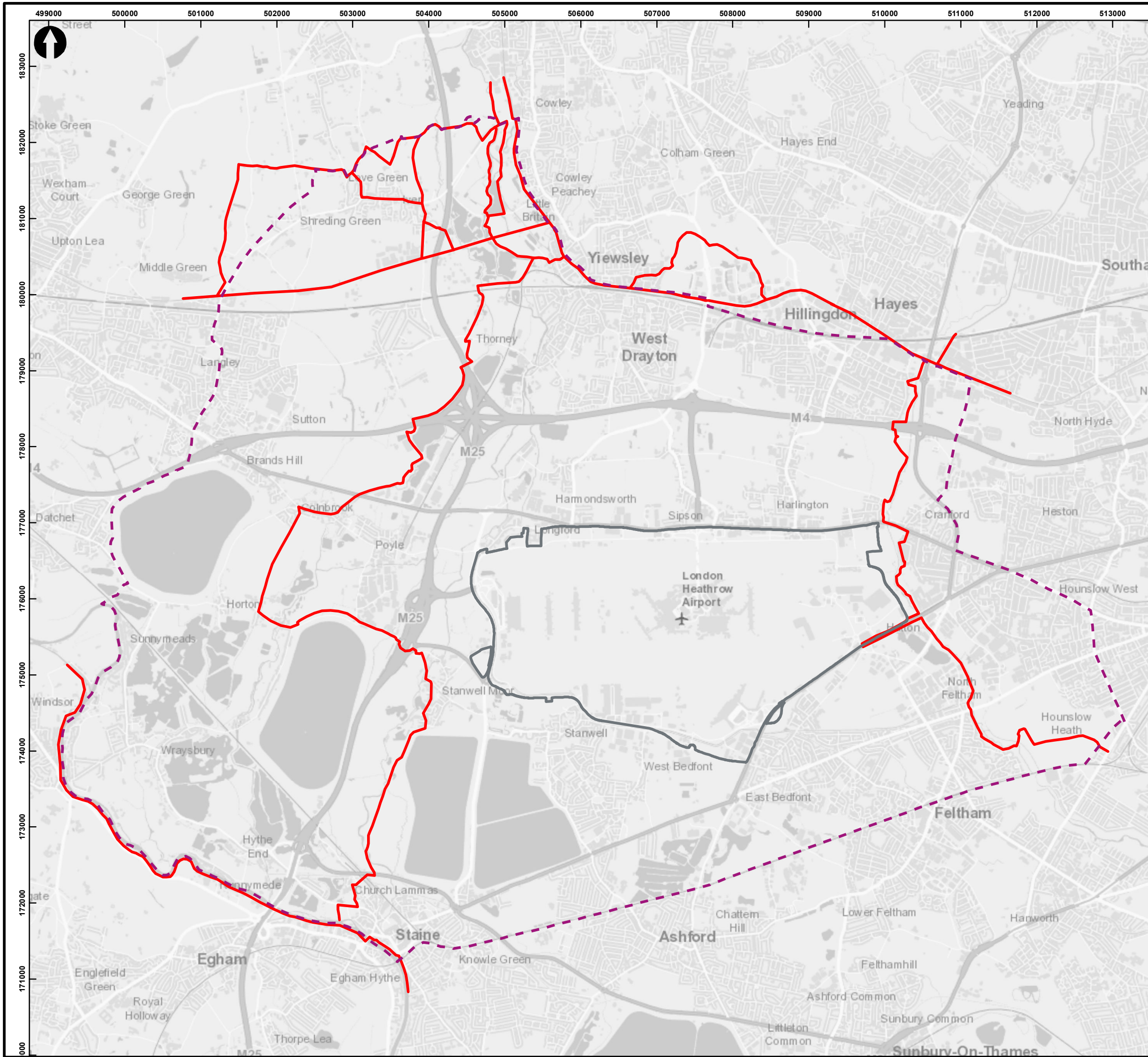


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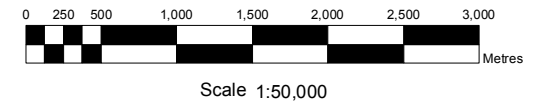
Title
 Figure 9.3.7: Areas of informal recreation identified within the recreational spaces and routes study area within South Bucks District

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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Long Distance Routes

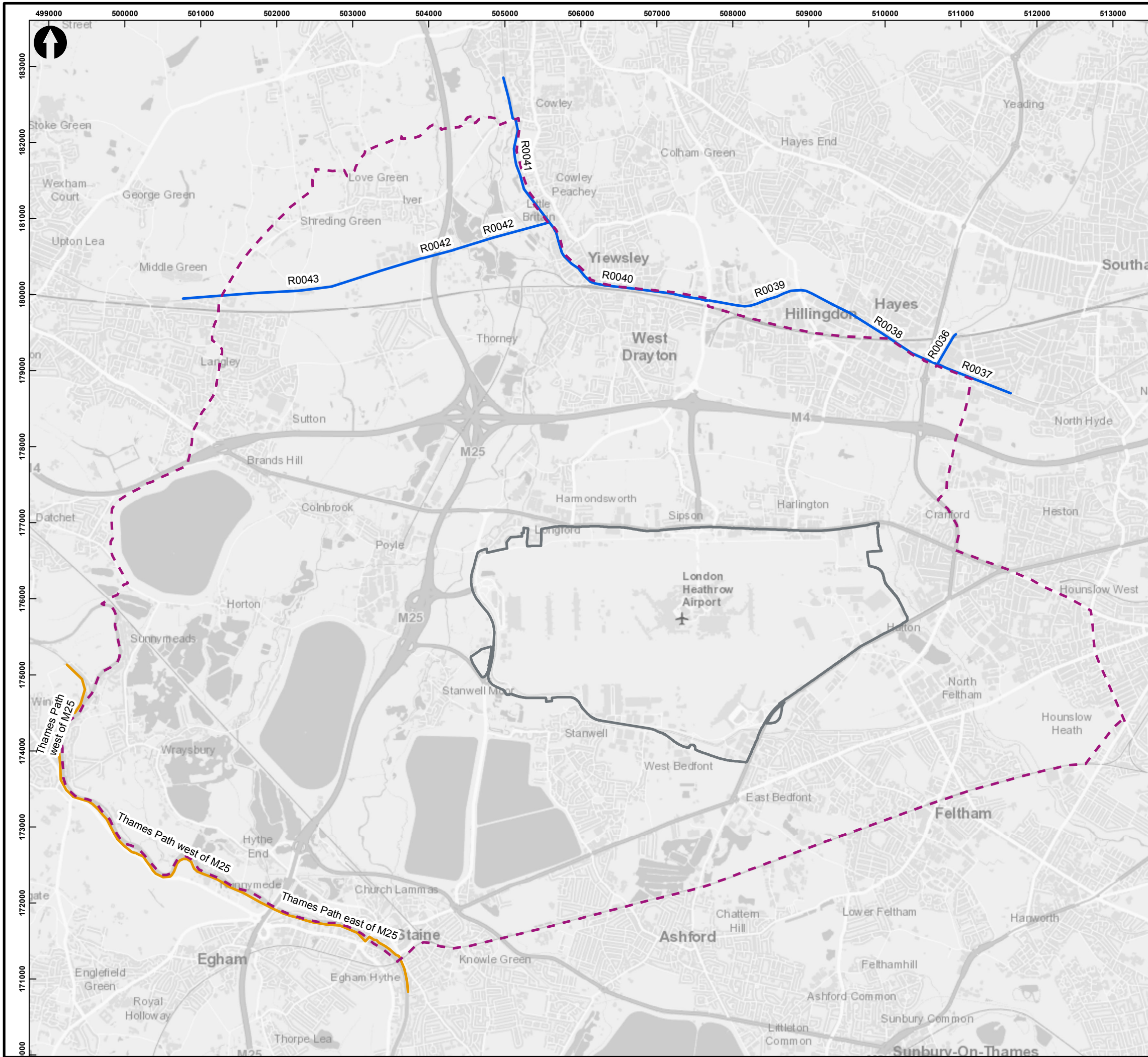


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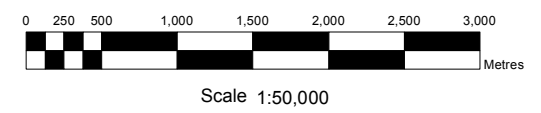
Title
 Figure 9.3.8: All Long Distance Footpaths identified within the recreational spaces and routes study area

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000139				Version 1.0



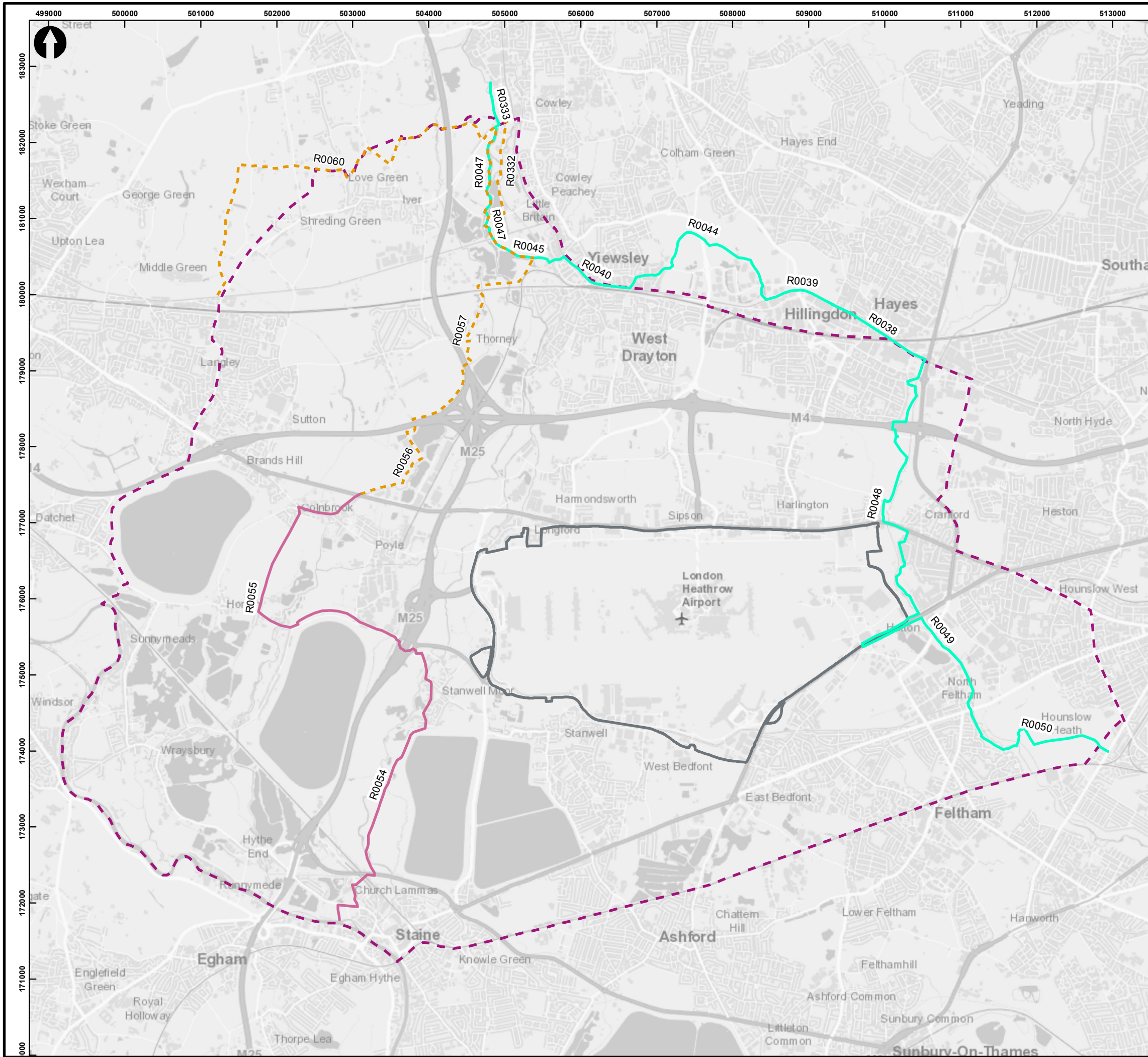
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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Grand Union Canal
- Thames Path National Trail



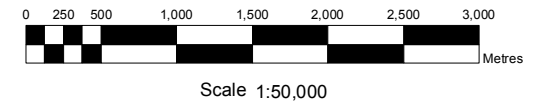
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Title Figure 9.3.9: Thames Path National Trail and Grand Union Canal Walk within the recreational spaces and routes study area				
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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000140				Version 1.0



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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Long Distance Routes**
- Colne Valley Way
- Colne Valley Trail
- London Loop

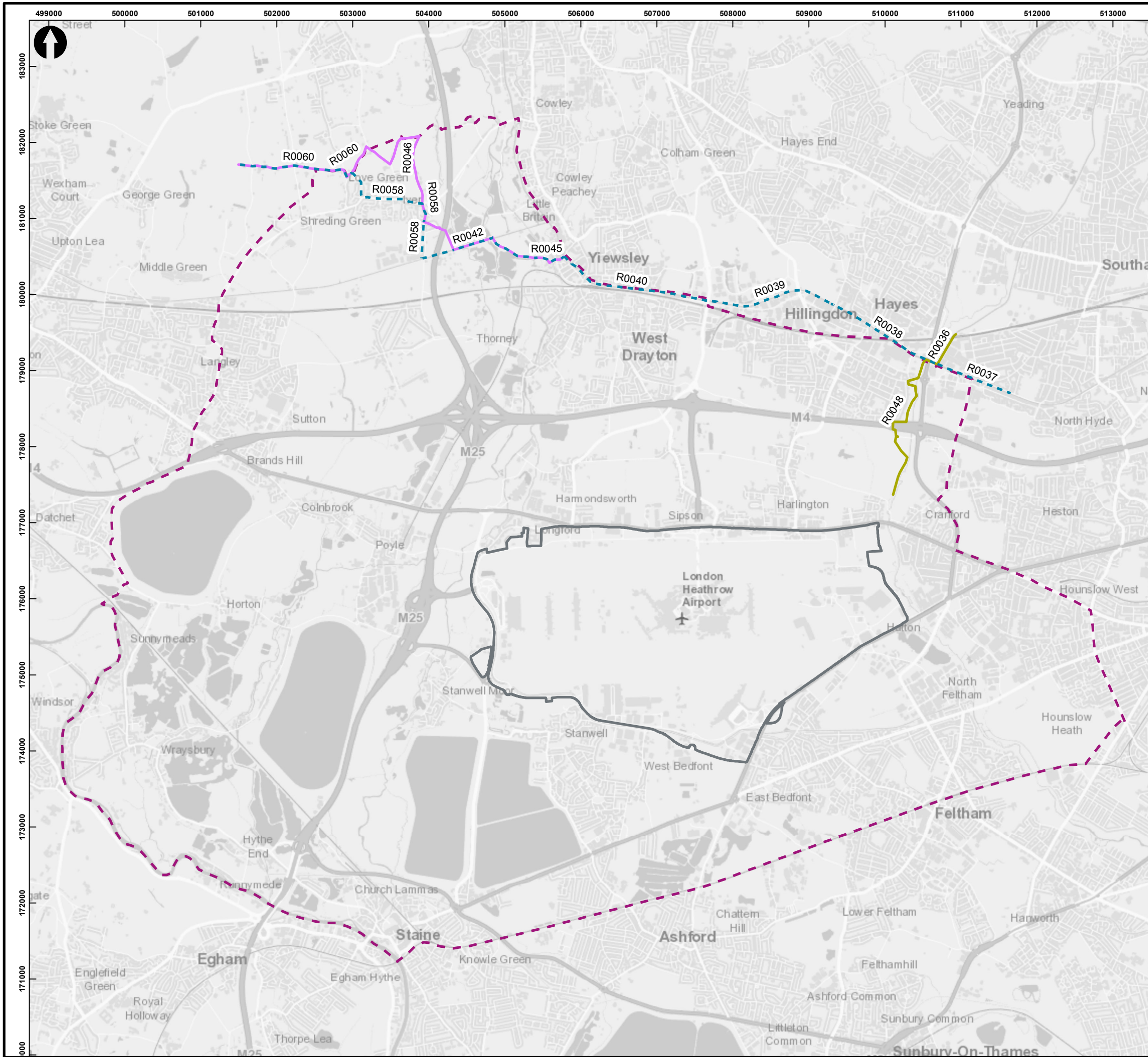


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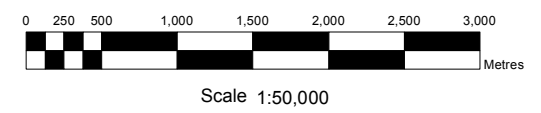
Title
Figure 9.3.10: Colne Valley Way, Colne Valley Trail and London Loop within the recreational spaces and routes study area

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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Beeches Way
-  Hillingdon Trail
-  Shakespeare's Way

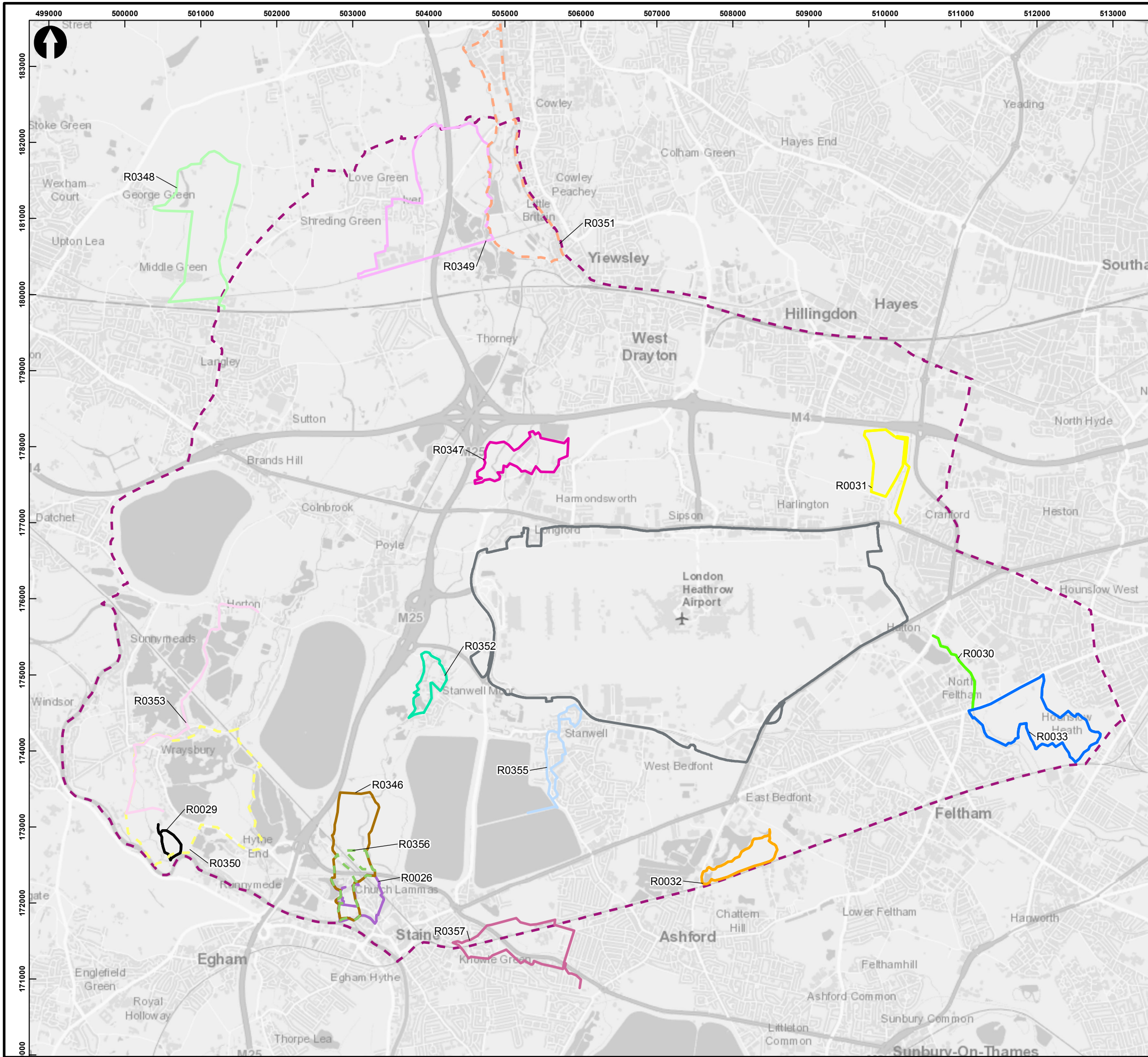


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Title
 Figure 9.3.11: Beeches Way, Hillingdon Trail and Shakespeare's Way within the recreational spaces and routes study area

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Legend

- Heathrow Planning Boundary
- Recreational spaces and routes study area

Locally Promoted Walks

- Ankerwycke to Runnymede
- Bedfont Lakes
- CVRP Hamondsworth Moor
- CVRP Iver Walk
- CVRP Langley Walk
- CVRP River Colne Walk
- CVRP Staines Walk
- CVRP Wraysbury Walk
- Cranford Park & Avenue Park
- Donkey Wood
- Hounslow Heath
- Lammas Lakes to Staines Moor
- New Route of Section 3 of the Colne Valley Trail
- Spelthorne Church Lammas & Staines Moor
- Spelthorne Fordbridge Park via Bronzefield Walk
- Spelthorne Stanwell Moor & Hithermoor Stream
- Spelthorne Stanwell Village Walk

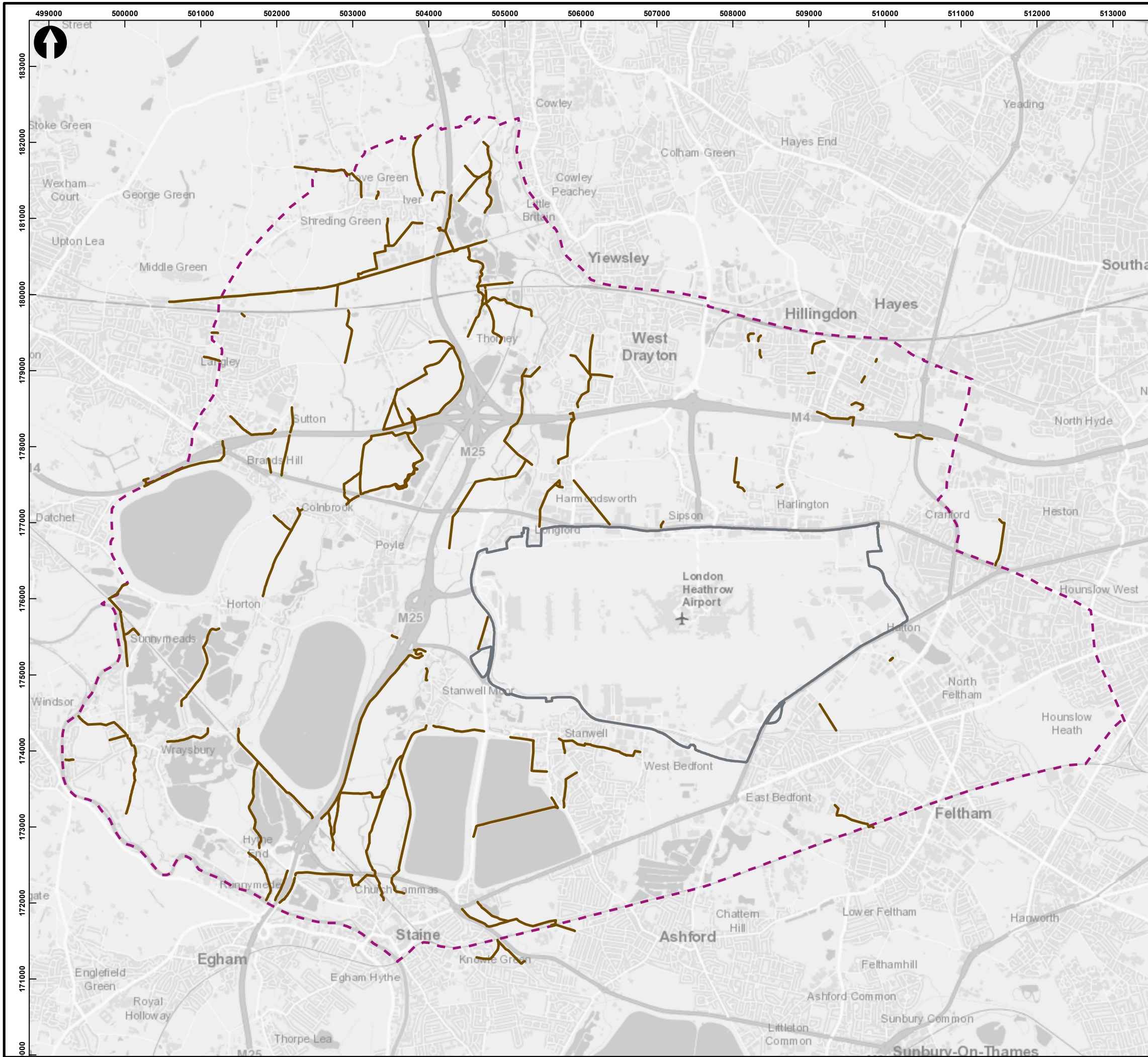
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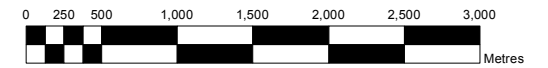
Title
 Figure 9.3.12: Locally Promoted Walks within the recreational spaces and routes study area

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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Public Rights of Way



Scale 1:50,000

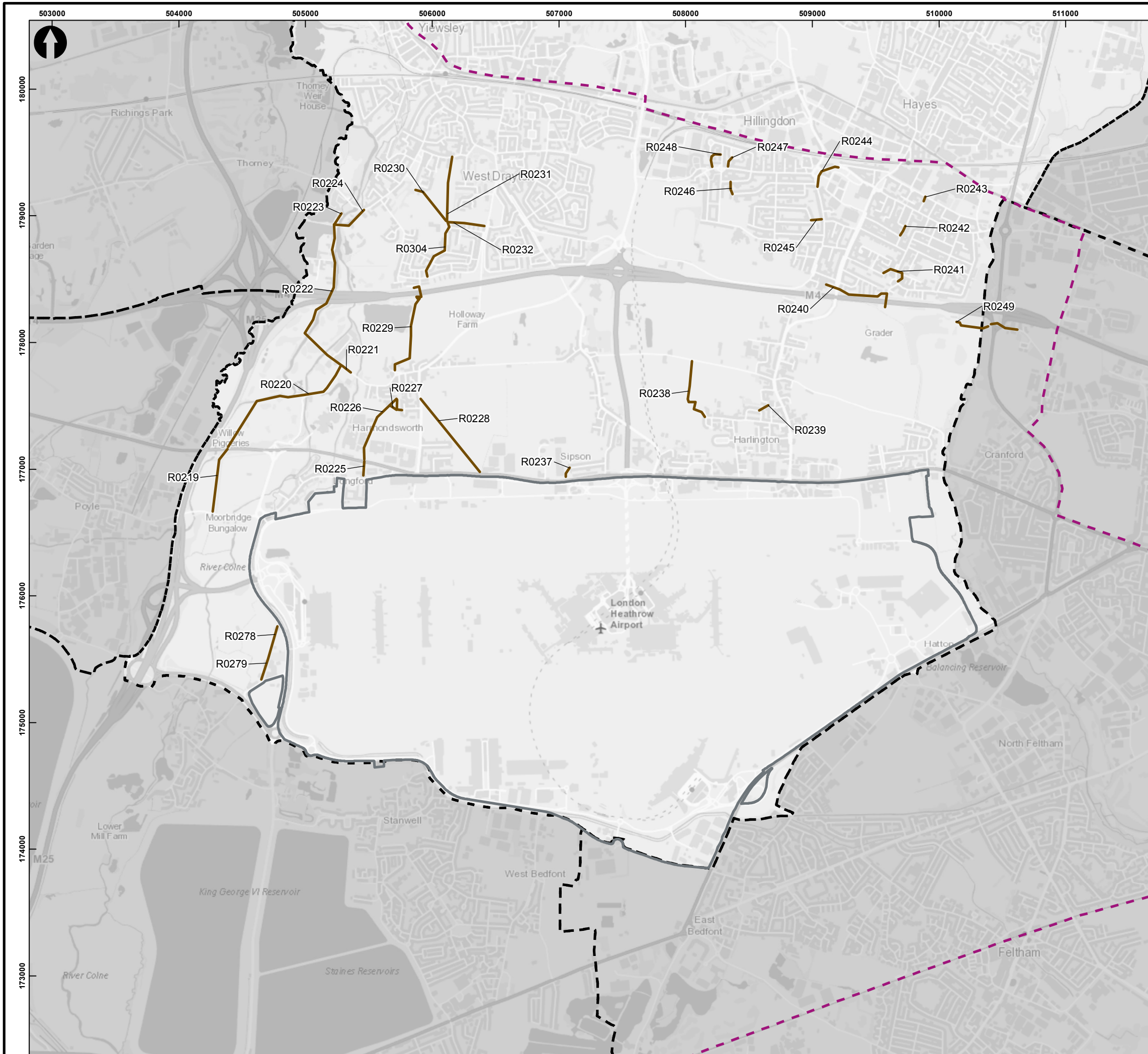
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Title
Figure 9.3.13: All Local PRoWs identified within the recreational spaces and routes study area

Company Wood	Drawn By BUTLS	Chk/Approved MURRC	Drawn Date 10/05/2018	Status FINAL
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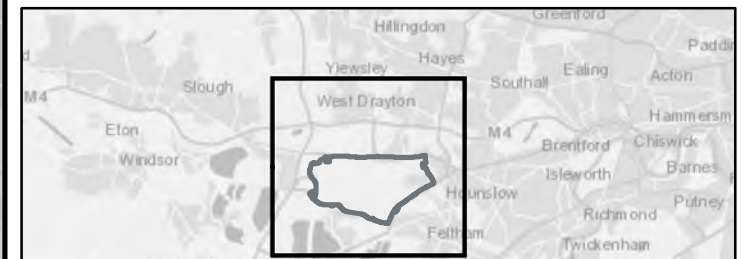
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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Local Planning Authority boundaries
-  Public Rights of Way



Scale 1:30,000

Key plan



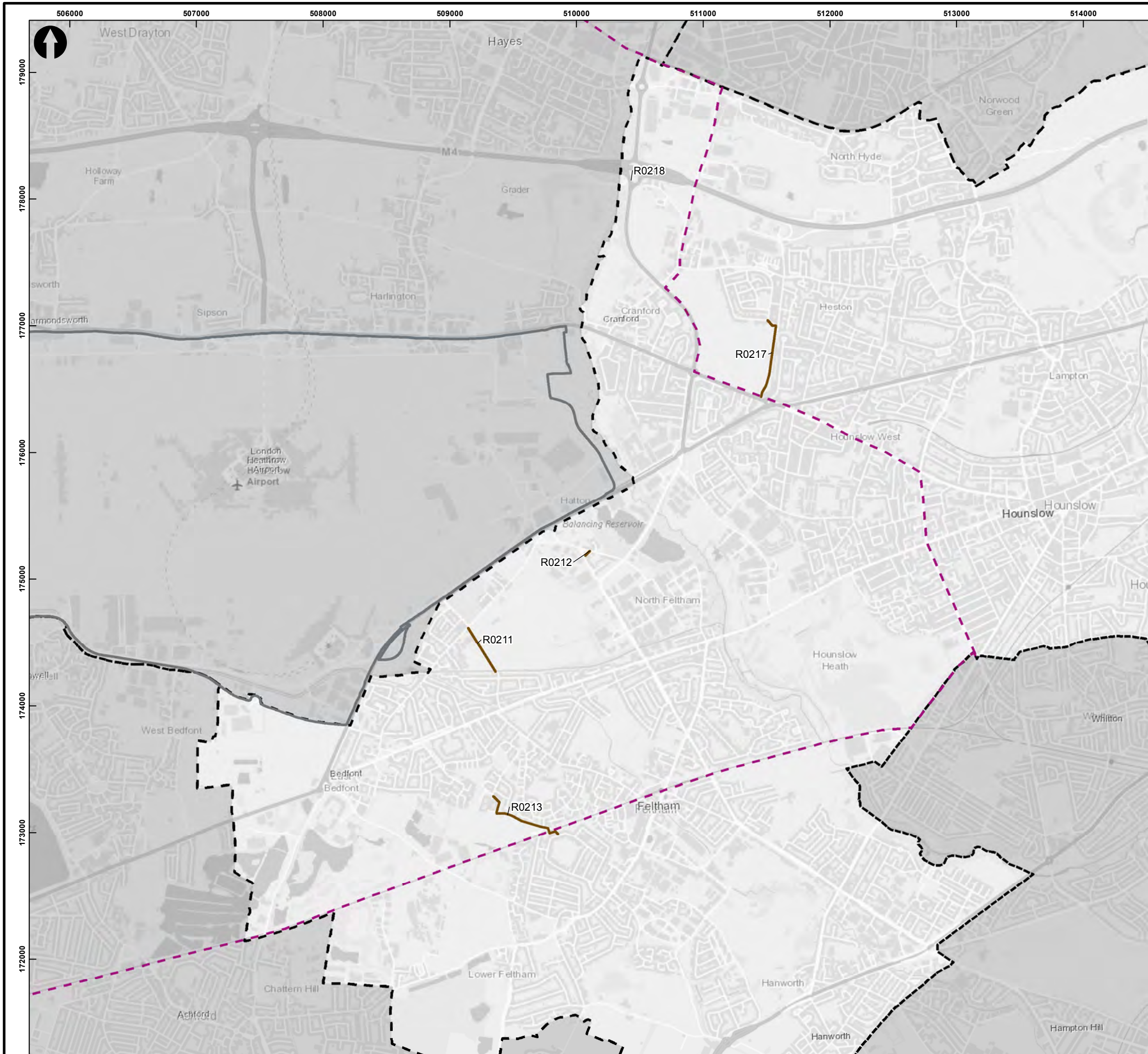
Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 9.3.14: PRoWs identified within the recreational spaces and routes study area within the London Borough of Hillingdon

Company Wood	Drawn By BUTLS	Chk/Approved MURRC	Drawn Date 10/05/2018	Status FINAL
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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Local Planning Authority boundaries
- Public Rights of Way



Scale 1:30,000

Key plan

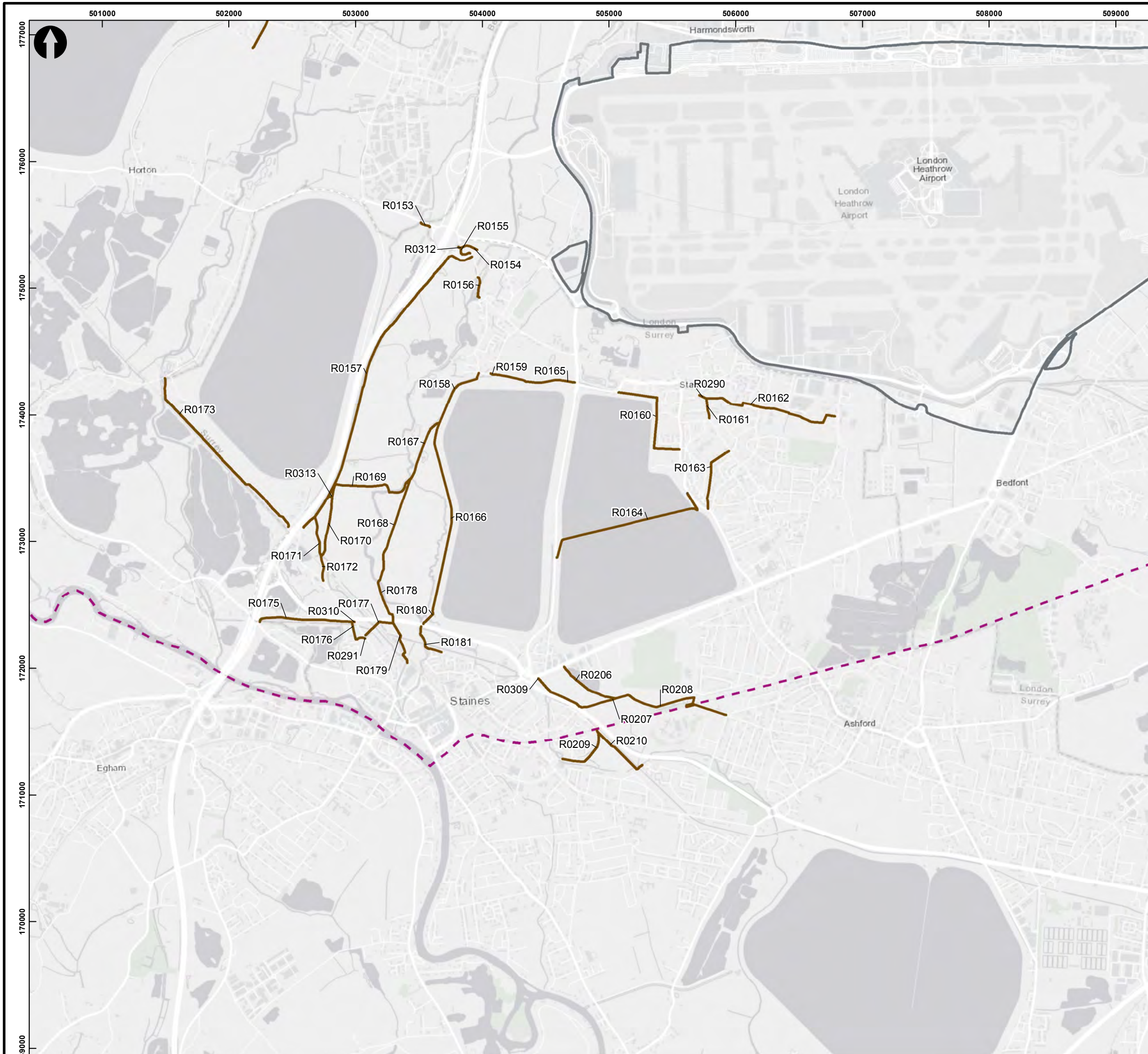


Heathrow



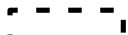

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

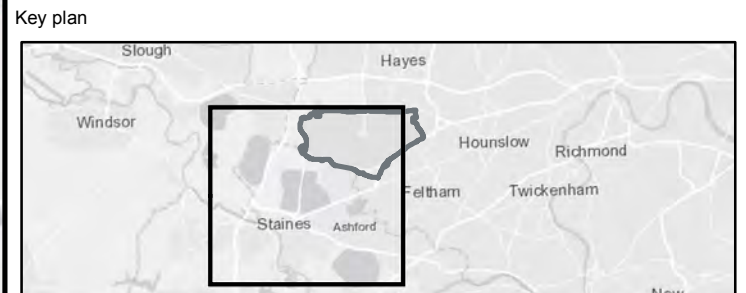
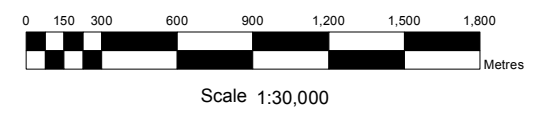
Title
 Figure 9.3.15: PRoWs identified within the recreational spaces and routes study area within the London Borough of Hounslow

Company Wood	Drawn By BUTLS	Chk/Approved MURRC	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000146				Version 1.0



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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Local Planning Authority boundaries
-  Public Rights of Way

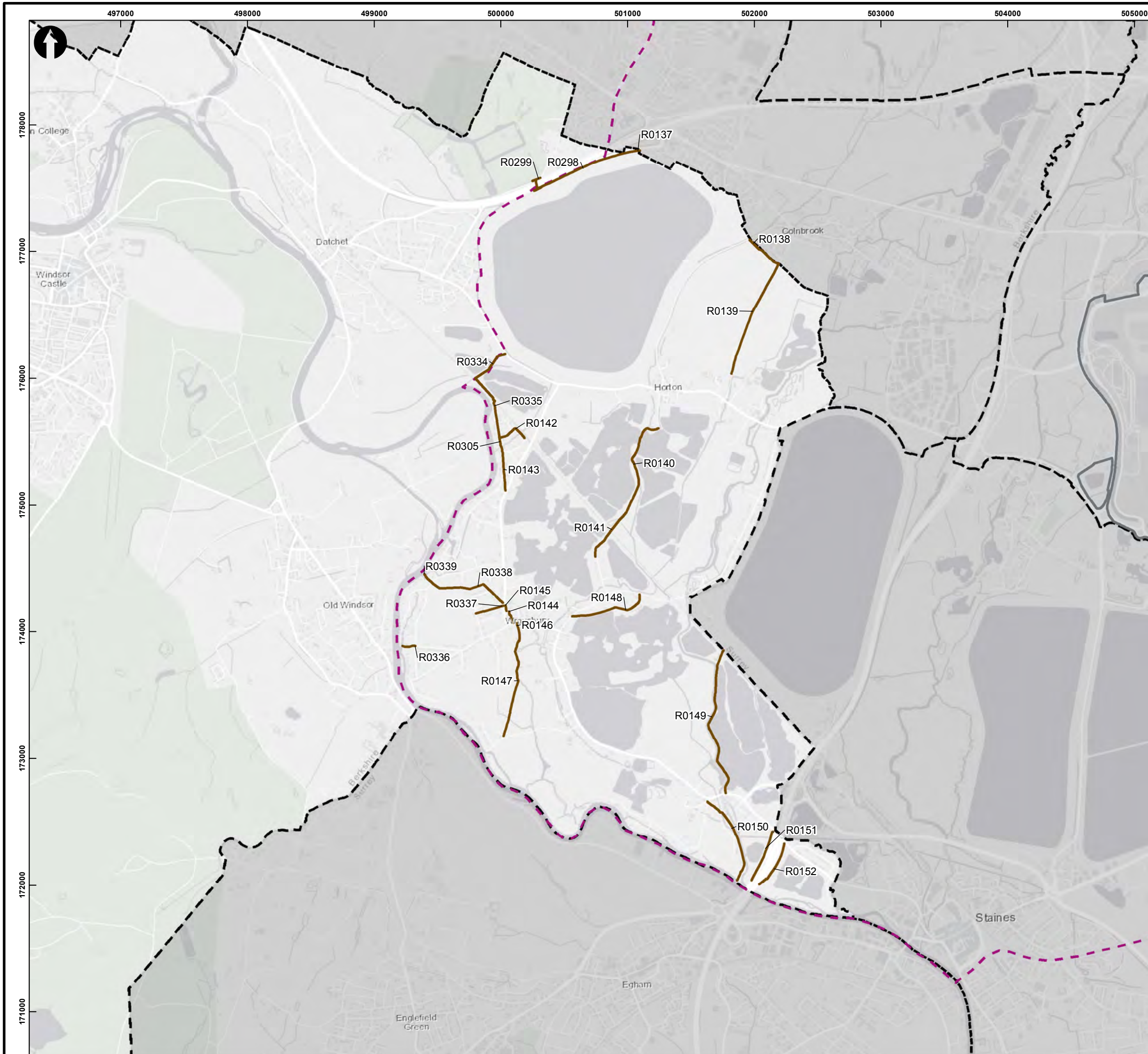


Heathrow





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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

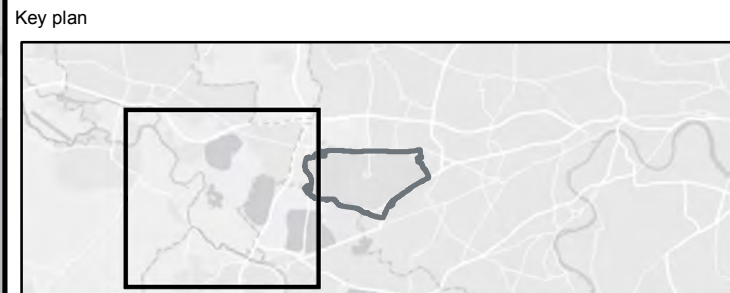
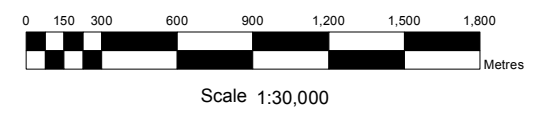
Title
 Figure 9.3.16: PRoWs identified within the recreational spaces and routes study area within the Borough of Spelthorne

Company Wood	Drawn By GREES	Chk/Approved MURRC	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000147				Version 1.0



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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Local Planning Authority boundaries
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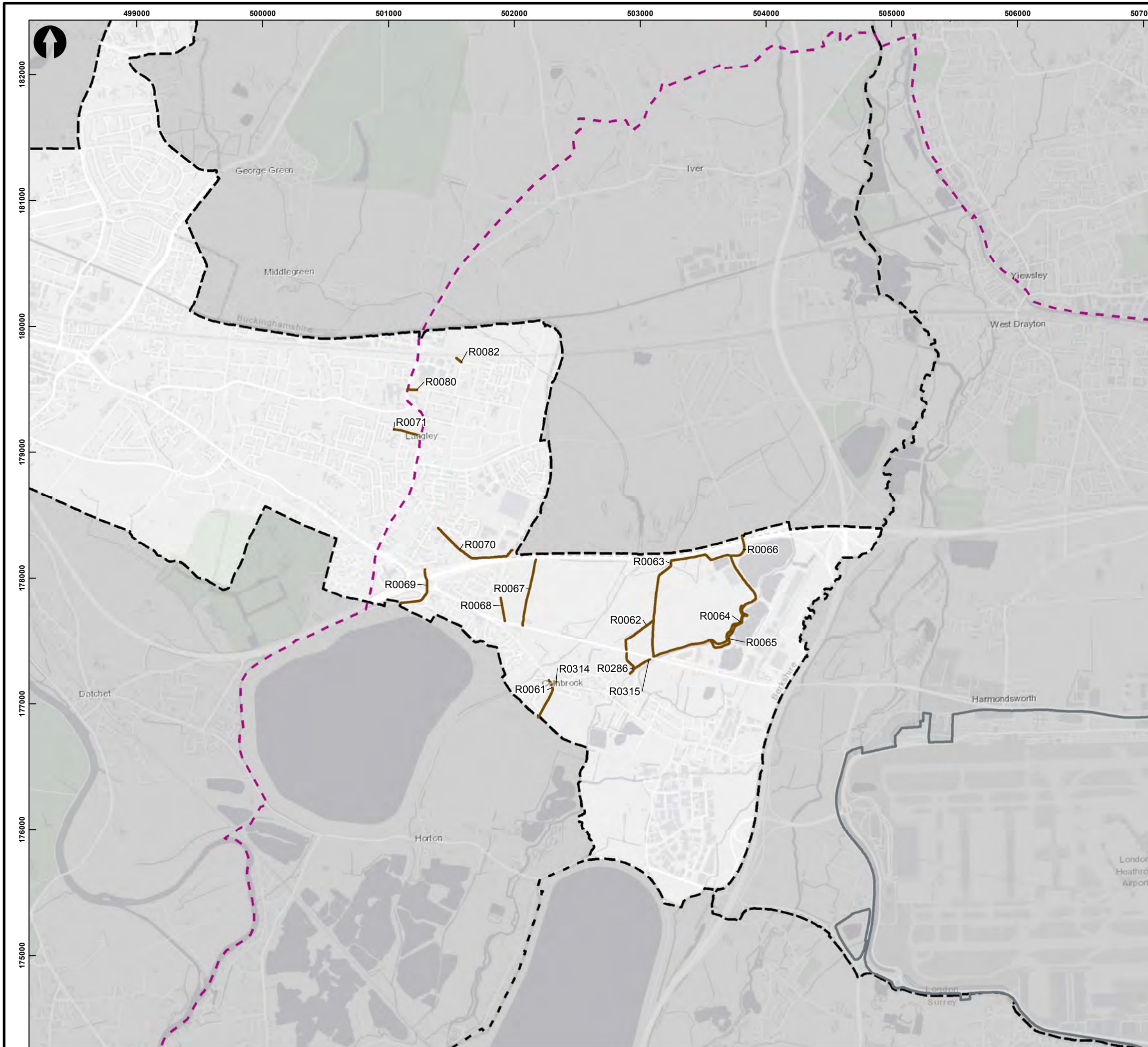


Heathrow





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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 9.3.17: PRoWs identified within the recreational spaces and routes study area within the Royal Borough of Windsor and Maidenhead

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000148				Version 1.0



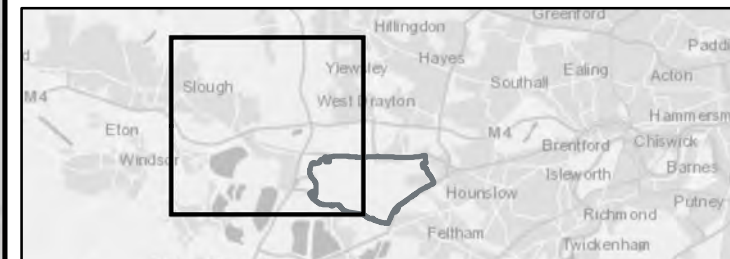
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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Local Planning Authority boundaries
-  Public Rights of Way



Scale 1:30,000

Key plan



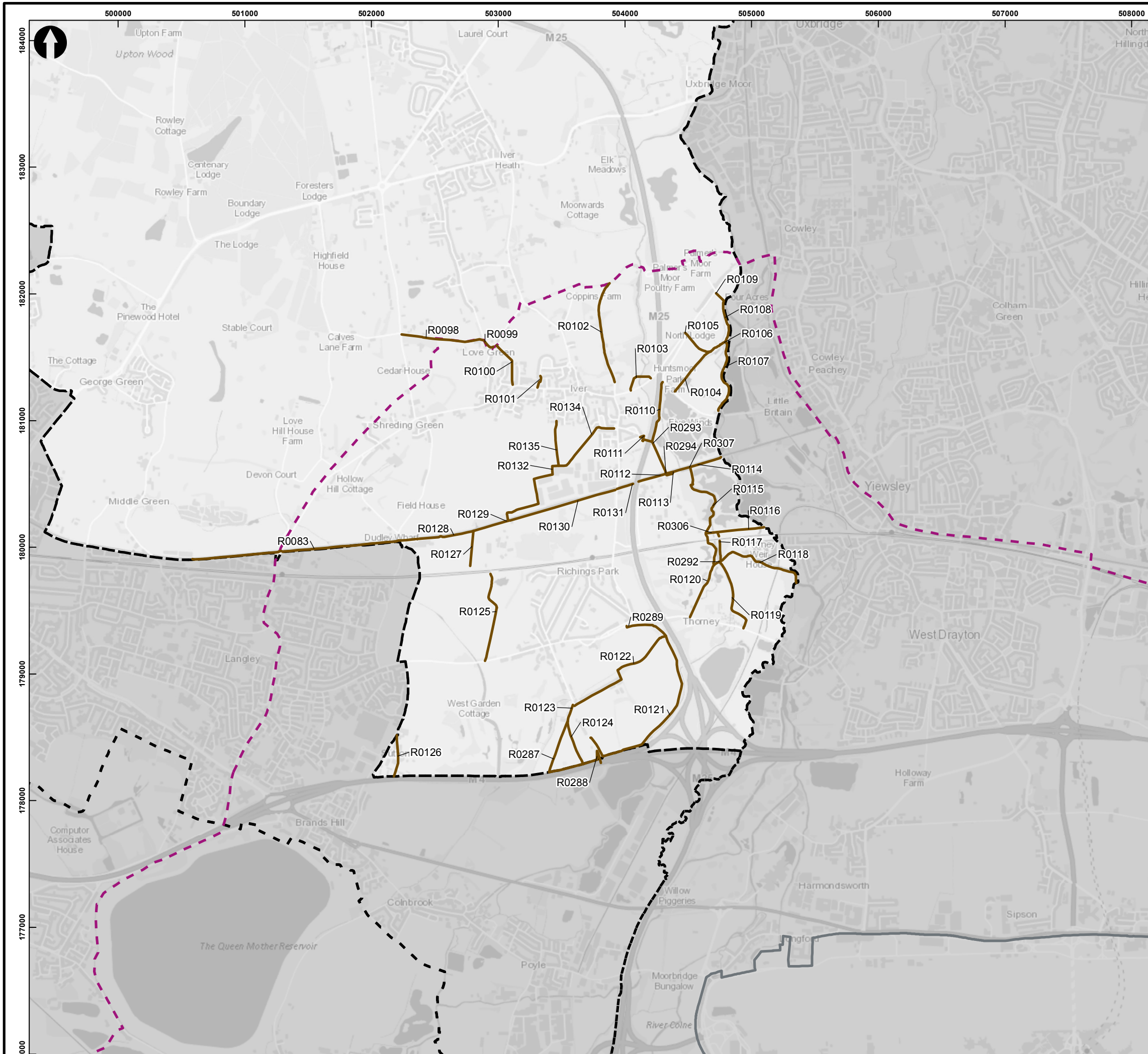
Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53





Title
 Figure 9.3.18: PRoWs identified within the recreational spaces and routes study area within the Borough of Slough

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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Local Planning Authority boundaries
-  Public Rights of Way



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Key plan



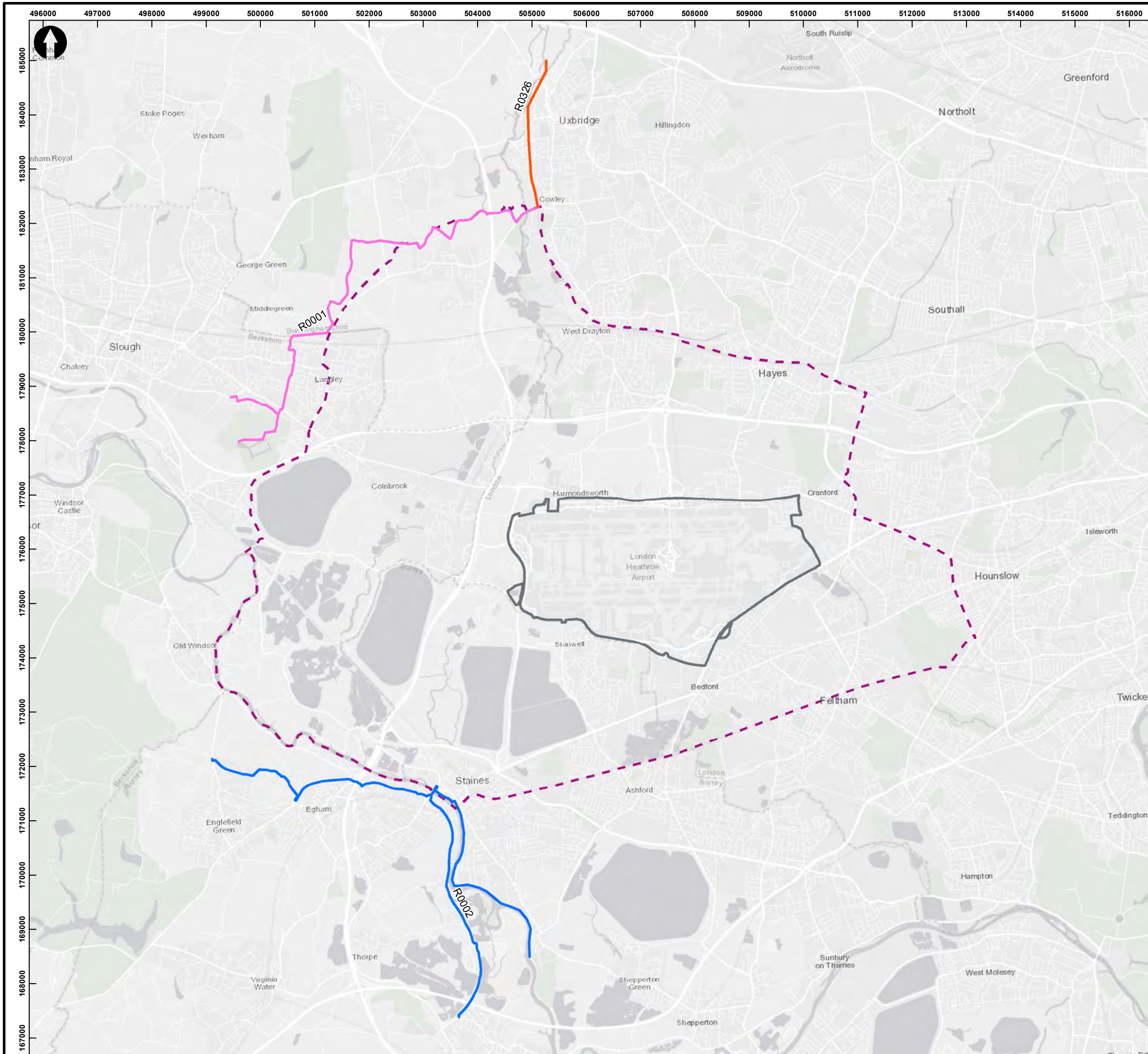
Heathrow

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Title
 Figure 9.3.19: PRoWs identified within the recreational spaces and routes study area within South Bucks District

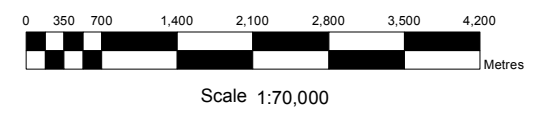
Company Wood	Drawn By GREES	Chk/Approved MURRC	Drawn Date 10/05/2018	Status FINAL
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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000150	Version 1.0
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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Sustrans National Cycle Routes**
- National Route 4
- National Route 6
- National Route 61

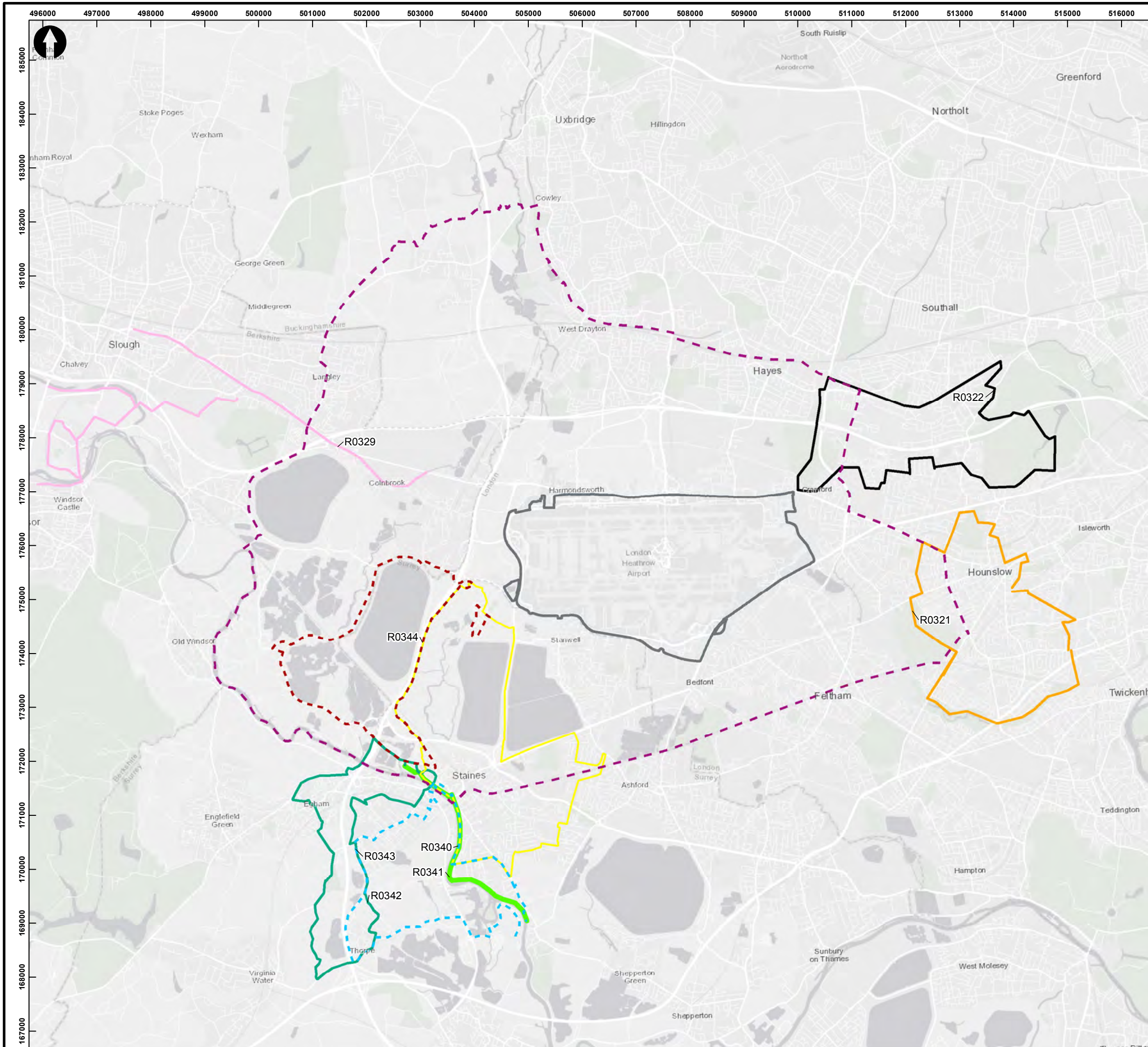


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 9.3.20: Sustrans National Cycle Routes identified within the recreational spaces and routes study area

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Legend

- Heathrow Planning Boundary
- Recreational spaces and routes study area

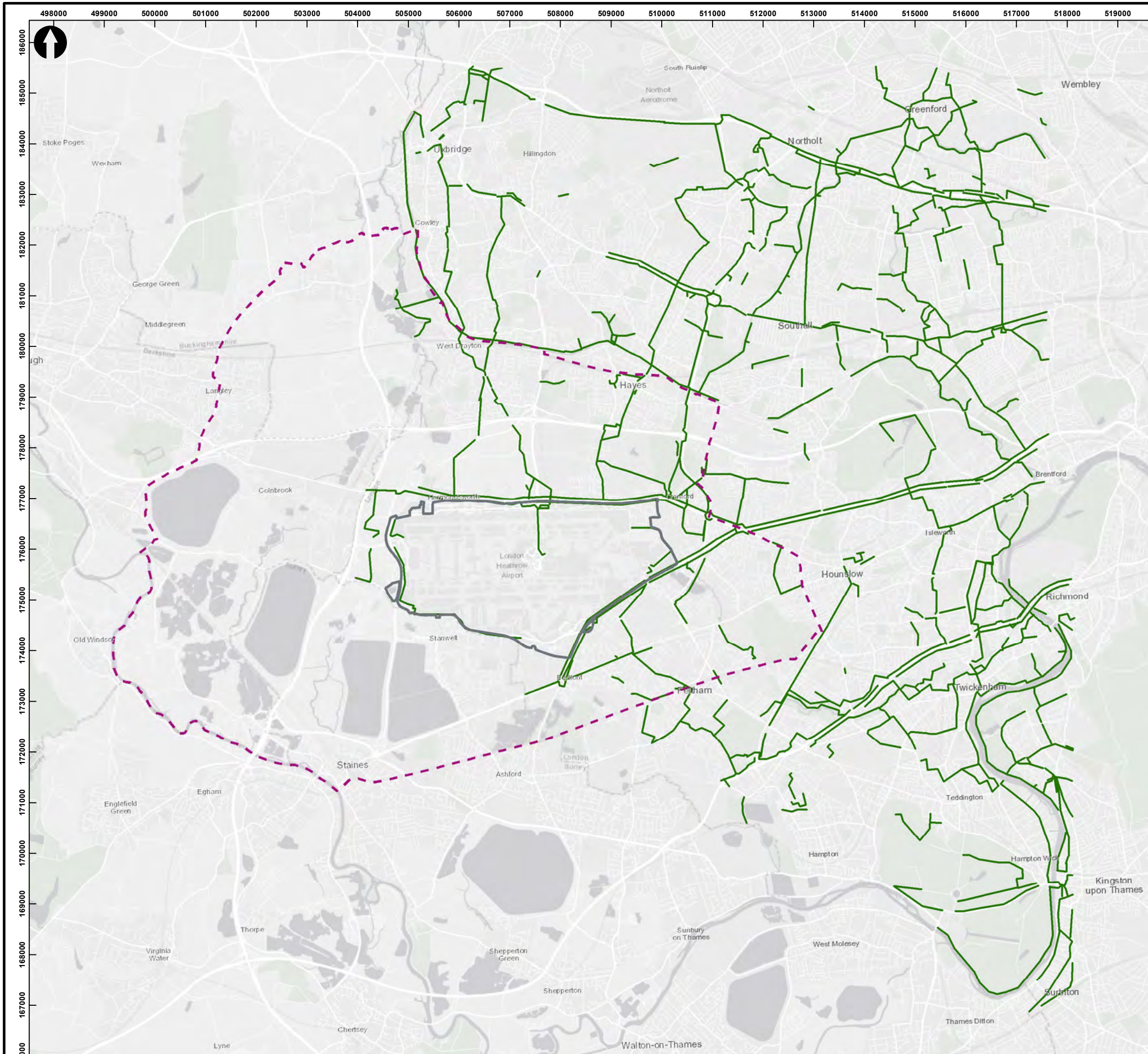
Locally Promoted Routes

- Cranford and Heston ride
- Hounslow Park ride
- Spelthorne Route 1 Ashford to Staines upon Thames
- Spelthorne Route 4
- Spelthorne Route 5 Staines upon Thames to Thorpe
- Spelthorne Route 6 Laleham to Chertsey
- Spelthorne Route 8 Stanwell Moor to Wraysbury to Staines upon Thames
- The Jubilee River & Slough Linear park route




0 350 700 1,400 2,100 2,800 3,500 4,200
 Metres
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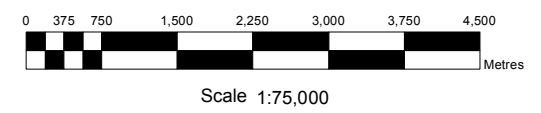
Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No. HEP53	
Title Figure 9.3.21: Locally Promoted Cycle Routes within the recreational spaces and routes study area			
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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000152			Version 1.0



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-  Heathrow Planning Boundary
-  Recreational spaces and routes study area
-  Transport for London Promoted Cycle Network Routes



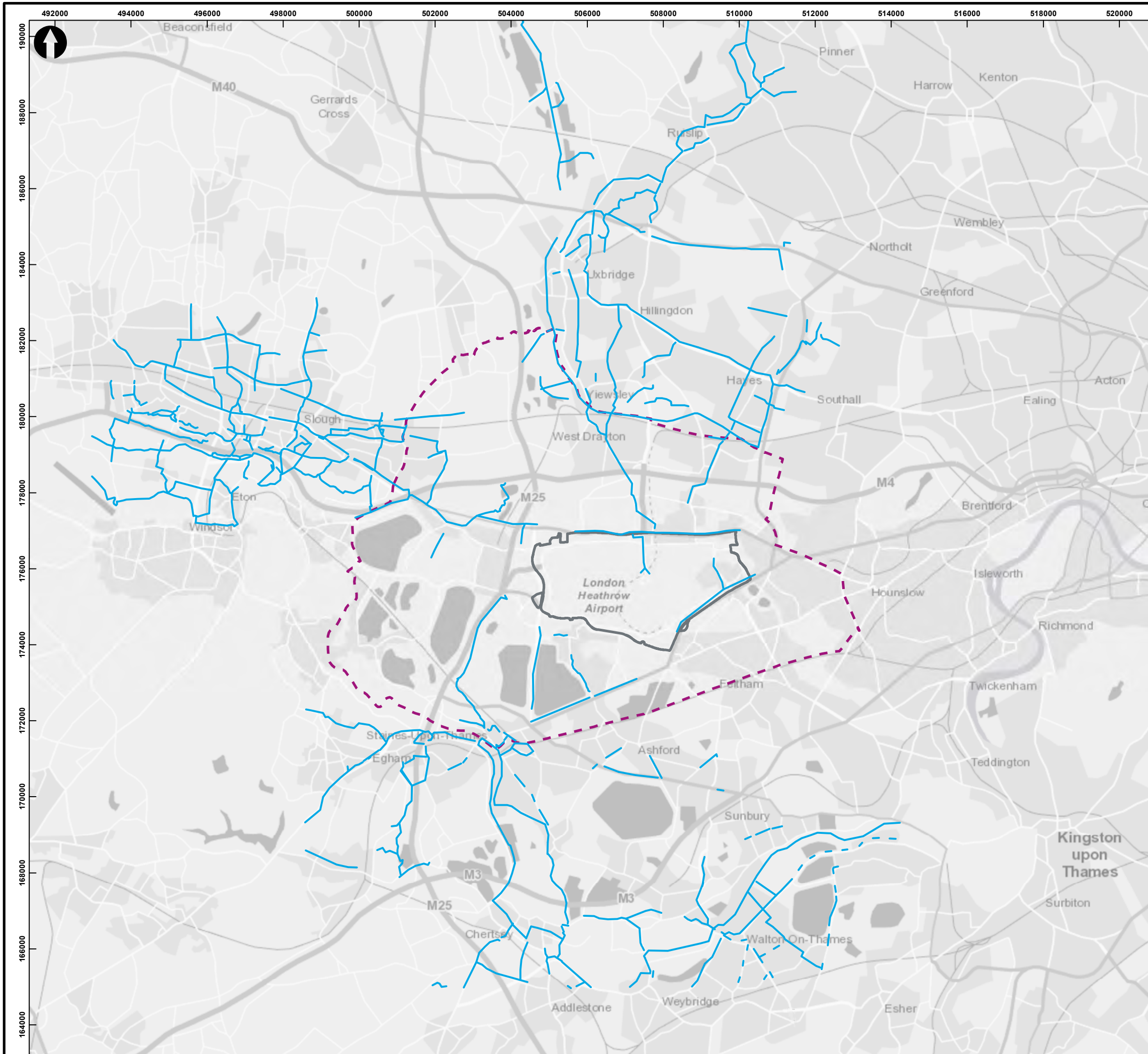
Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 9.3.22: Regionally Promoted Cycling Network within the recreational spaces and routes study area

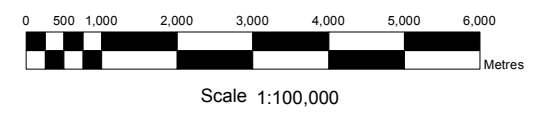
Company Wood	Drawn By GRES	Chk/Approved MURRC	Drawn Date 10/05/2018	Status FINAL
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- Heathrow Planning Boundary
- Recreational spaces and routes study area
- Local Cycle Network



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Title
 Figure 9.3.23: Local Cycle Network within the recreational spaces and routes study area

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000154	Version 1.0
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Heathrow Expansion

Recreational spaces and routes resource attribute table



Appendix 9.4 Recreational spaces and routes resource attribute table

Heathrow Expansion

Recreational spaces and routes resource attribute table



1. RECREATIONAL SPACES AND ROUTES RESOURCE ATTRIBUTE TABLE

- 1.1.1 The baseline conditions at each of the open spaces and routes identified within the recreational spaces and routes study area will be recorded using the following attribute table.

Heathrow Expansion
Recreational spaces and routes resource attribute table

Proforma Attribute Table

Category	Attribute	Data	Guidance	Included in Desk Study Scope?
Housekeeping / QA	Resource ID		RAIA ID. Either taken from initial master list (e.g. 40001, R0001 etc.) or enter 'NEW' if resource is not on master list. If an area on the master list needs to be subdivided, enter its RAIA ID followed by 'SUBDIVISION'. Use this ID to name both the Excel file and the Worksheet.	Yes
	Resource Name		Enter the name of the resource	Yes
	Level 1 Typology		Pick from drop-down list	Yes
	Level 2 Typology		Enter Level 2 Typology if appropriate (e.g. 'Canal' or 'ProW Footpath'). Try to be consistent so that collated data can be filtered	Yes
	Quantity		Amount of provision e.g. the area of recreational open space or length of route. State as hectares (ha) or metres (m)	Yes
	Ownership		May be just 'Public' or 'Private' at this stage	Yes
	Location		e.g. North of Accommodation Lane, west of Harmondsworth	Yes
	Desk Study Undertaken by		Name of researcher (use RESID not full name)	Yes
	Desk Study Date		Date of research	Yes
	Field Survey Undertaken by		Name of surveyor (use RESID not full name)	No
	Field Survey Date		Date of survey	No
	References		List of information sources referred to e.g. web address and access date, publication references etc.	Yes
Functionality	Primary Purpose		Identifying an open spaces' primary purpose in order to assess whether it is 'fit for purpose'.	Yes
	Multi-functionality		Ability to perform various environmental and social functions.	Yes
	Quality		Is the open space 'fit for purpose'? Depending on user needs and requirements and the design and management of the site.	No. Requires field survey and user survey
	Condition		State of repair, appropriateness of management regime	Initial opinion from on-line photography. Requires field survey to finalise
	Safety		Safety of infrastructure/facilities and 'furniture' particularly that which is ageing.	No. Requires field survey
Accessibility / Connectivity	Public Accessibility		How accessible is the open space? This should include sustainable access options such as footpaths and cycle paths but also accessibility to children's play space.	Yes
	Proximity to recreational routes		Consider proximity to any paths crossing an open space. List relevant AFW IDs	Yes
	Proximity to other R&A resources		Consider adjacencies, connectivity and wider context. List relevant AFW IDs	Yes
	Barrier /Traffic		Identify if any barriers to entry to an open space i.e. Control of dogs, dog fouling, anti-social behaviour, a perceived lack of information about parks and open spaces, toilet provision, lack of facilities for certain ages, security, no disabled provision/traffic levels can be an impediment to recreational value of open spaces.	No. Requires field survey and user survey
	Access to walking routes		Consider access for all i.e. disability needs etc/ signage/ entrances/ terrain.	No. Requires field survey
Physical Attributes	Grassed Areas		Grassed areas can add social and environmental value.	Yes
	Water Features		Water features can add social and environmental value.	Yes
	Trees		Broad description of available resource	Yes
	Amenities		Lighting, picnic table, toilets, drink fountains, informal sports equipment/outdoor gyms etc.	Only if published information is available
	Walking Infrastructure		Pathways / footbridges etc.	Initial opinion from on-line photography. Requires field survey to finalise
	Dog-related facilities		Waste bins etc.	No. Requires field survey
Biodiversity	Wildlife and Ecology		Wildlife and ecological attributes can deliver social and environmental benefits.	Only if published information is available
Perceptual Attributes	Aesthetics		Attractiveness including the contribution made by adjacent areas/features.	Initial opinion from on-line photography. Requires field survey to finalise
	Other perceptual attributes		Noise, odour, movement etc.	No. Requires field survey and user survey
	Perception of crime		How a space is designed can impact on the perception of crime.	No. Requires field survey and user survey
Miscellaneous	Additional Comments		Enter any other pertinent information or observations	Optional





Appendix 10.1

Community and Employment/Economic EIA


Technical Note (2) for HSPG (May 2018)

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report



Heathrow Expansion
Community and Employment/Economic EIA
Technical Note (2) for HSPG (May 2018)

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Community and Employment/Economic EIA

Technical Note (2) for HSPG (May 2018)

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Role: Defined Role eg "Task Order Principal Designer"

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1. Background and recap

1. This Technical Note follows a meeting (held on 1st February 2018) and accompanying Technical Note (issued 25th January 2018) that provided members of the HSPG with an overview of the proposed approach to the Community and Economic & employment assessments. The previous meeting addressed:
 - Overall approach to socio-economic (Community and Economic & employment) EIA
 - Context of Airports Commission process, and Draft Airports NPS
 - Proposed scope of the community assessment
 - Proposed scope of the economic and employment assessment
 - An adaptive approach to impact assessment
 - Spatial assessment areas:
 - Community
 - Economics and employment
 - Approach to baseline and assessment years
 - Future engagement during 2018.
2. This Technical Note, and the previous one, are part of a series that will inform EIA scoping and the Preliminary Environmental Impact Report (PEIR) to be consulted on during pre-application formal consultation (Phase Two Consultation), and the Environmental Statement (ES) that will be submitted as part of the Development Consent Order (DCO).

2. Introduction and purpose

3. The purpose of this Technical Note and the meeting to be held on 1st May 2018 is to:
 - a. Agree the overall approach to socio-economic assessment, including the spatial assessment areas as discussed previously (effectively agree the content of Technical Note 1, unless where amended by comment and response in this Technical Note 2;
 - b. Agree:
 - i) The types of effect to be assessed by these assessments;
 - ii) The sensitive receptors; and
 - iii) The approach to baseline.
4. As such, this Technical Note is split into two parts:

Part 1 provides HSPG members with the Applicant’s response to comments received on the previous Technical Note and an update on actions from the previous workshop.

Part 2 seeks to agree an approach to baseline data, sensitive receptors and potential effects within the study areas discussed previously (as amended by Part 1).

5. This Technical Note will be discussed at a meeting on 1st May 2018 that will provide a forum for explanation of details by the Applicant, and feedback from HSPG members. HSPG members will have four weeks to provide comments on this Technical Note.
6. Our intended outcome is to agree the content of Technical Notes 1 and 2 moving forward through and forming part of scoping and onto PIER (in order to limit areas of disagreement or misunderstanding in our Scoping Report in the first instance, and begin to agree the parameters of the assessment). HSPG members will therefore be asked to agree or state disagreement (or suggest additional content) to these Technical Notes.

PART 1

3. Applicant response to comments on Technical Note 1

7. The following table sets out the comments received on Technical Note 1 from HSPG members and provides an Applicant response on each.

Table 1: Summary of response from HSPG on Technical Note 1

Action / comment	Applicant’s response
Overall approach to Community / Economics and Employment EIA scope of assessment	
Spelthorne <ul style="list-style-type: none"> • The scope should be at the appropriate geographical and temporal level for each receptor and resource. • In addition to the areas set out in Figure 1 (in Technical Note 1), the scope could also cover: <ul style="list-style-type: none"> - Connectivity (looking at how this impacts isolation and community cohesion) - Impacts of the expansion on quality of life - Consideration of the impacts on different groups and cultures - Areas in the north of Spelthorne are occupied by large mineral workings and these are subject to S106 agreements associated with their restoration, with an expectation from local communities to do so. It would be helpful if it was clarified how this will be considered in the EIA in terms of community impacts and amenity. 	Scope by receptor/resource <ul style="list-style-type: none"> • The study area will be defined based on the spatial extent of the Project, and its subsequent effects on any receptor. We recognise that the different Community and Economic receptors have different sensitivities to change, and in some cases different catchments. • The inner study area is intended to capture effects on physical facilities; and the wider study area captures effects on wider populations including users of those community facilities and other public services. Connectivity <ul style="list-style-type: none"> • International connectivity provided by the Airport is addressed on a national scale by the revised draft ANPS. Changes to access to/from places, services and facilities around the Airport will be assessed in terms of journey time and route by the Transport Assessment. The Community assessment will undertake a qualitative assessment of the subsequent effects of that on people and the viability of community facilities. Quality of Life

	<ul style="list-style-type: none"> • When effects on amenity or ‘quality of life’ are qualitative, it is hard to assign significance, but these will be reported and quantified where possible. An in-combination assessment will be undertaken that will set out the qualitative in-combination effects on local communities. • “Quality of Life” is not a single measure – many things contribute to it and these will be assessed throughout the PEIR and ES, not just in this chapter. For example, the Revised Draft ANPS section on noise says that the decision maker will need to consider the effect of noise on quality of life. • HAL is developing a series of measures of Quality of Life under Heathrow 2.0 <p>Different groups/cultures (Equality)</p> <ul style="list-style-type: none"> • The assessment will have regard to the potential inequity of effects and their significance to groups with protected characteristics as identified by the Equality Act 2010. A full assessment of effects on groups with protected characteristics will be in the Equality Impact Assessment which is separate to the EIA. <p>Changes to land use (restoration)</p> <ul style="list-style-type: none"> • Existing planning requirements including restoration orders will need to be addressed by the planning application, and will be factored in to the future baseline (i.e. where there is an agreed expectation that an area would become a community-use in the future, and that community use is effectively lost, an assessment of the significance of that change will be undertaken and mitigation proposed).
<p>Surrey CC</p> <ul style="list-style-type: none"> • One of the concerns we have is the potential impacts on Stanwell and Stanwell Moor which is not just about the displacement of homes (and currently there seems to be some uncertainty as to this until the various transport options for the M25 and A3044 are decided) and displacement and severance of community facilities. • Potential outcomes, depending on which menu of options ends up in the preferred scheme, suggest that this area could experience much more traffic activity around and through these communities (including freight) which will certainly impact on air quality, or they could be isolated if all local access to the airport and anywhere northwards is prevented by the expanded campus westwards and by the severance of a motorway standard airport access link from the M25 and this could also impact residents in these communities who work at the airport. • We would be interested to learn how these issues will be addressed in the EIA. 	<p>Effects on Stanwell and Stanwell Moor</p> <ul style="list-style-type: none"> • The Community assessment will identify any potential significant effects on displacement of or changes in access to/from communities, homes, community facilities and places of work (including the Airport). • Prior to EIA, an evaluation process is being undertaken to influence the design and phasing of the Project design in regard of potential community severance issues. • Other environmental effects will be assessed elsewhere in the ES. The in-combination assessment will set out the non-additive, in-combination effects from other environmental topics (such as air quality) on communities at a local scale (this will include Stanwell and Stanwell Moor). • The health EIA chapter will assess the effect of severance and changes in access between homes and community facilities/services on physical and mental health and wellbeing.
<p>Spatial assessment areas</p>	
<p>Spelthorne</p> <ul style="list-style-type: none"> • In terms of economic assessment, it is acknowledged that effects may be farther reaching than the area set out in Figure 3 (in Technical Note 1). It is therefore queried whether key transport nodes and corridors, business clusters and travel patterns will be considered and the impacts of the expansion on these. • It could also be useful to distinguish other construction projects taking place in the wider area. This could have knock on effects regarding an available workforce and when 	<p>Economic assessment area</p> <ul style="list-style-type: none"> • It is understood that economic effects will be experienced wider than the area within Figure 3 (in Technical Note 1). • HAL and HSPG are working on a study called the ‘Joint Evidence Base and Infrastructure Study (JEBIS), which is helping to set areas of Heathrow’s economic influence (explained later in this note). • This will include a ‘Sub-regional context area’ covering a wider area informed by existing markets and functional economic areas and business communities, and policy designations. That area will cover the Berkshire and Buckinghamshire Thames Valley LEAs, the Enterprise M3 LEP and much of west London (the Elizabeth Line West

<p>subsequent community and employment effects occur.</p>	<p>area as defined by the London Plan). The extent of the Core Study Area and Sub Regional Context Area are set out in Figures 1a and 1b appended to this Technical Note.</p> <ul style="list-style-type: none"> The effects on transport nodes, corridors and travel patterns will be assessed by the Transport Assessment but will be drawn upon in an economic sense in the economic and employment assessment where relevant. The impact on business clusters and key sectors will be included. <p>Effect of other construction projects</p> <ul style="list-style-type: none"> There will be a cumulative assessment undertaken as part of the EIA which will identify other projects likely to overlap with the Project (including some NSIPs like the M4 Smart Motorway, and High Speed 2). We are working on an approach to labour supply at a regional and national scale to ensure that demand for people and skills is incorporated.
<p>South Bucks</p> <ul style="list-style-type: none"> We were surprised that for South Bucks the area is drawn quite tightly for community effects i.e. just Iver and Richings Park. While these two locations are both within 2-3km of the airport and are likely to receive direct (certainly negative but hopefully positive as well) impacts from the expanded airport in terms of land use proposals – pressure on the Green Belt etc, negative construction impacts and impacts on the communities quality of life – it should be noted other parts of the District may benefit more in terms of improved public transport access to Heathrow and an increase in attractiveness as an employment location. 	<p>Extent of Community study area in South Bucks</p> <ul style="list-style-type: none"> We recognise that wider areas will benefit from the combined economic effects of employment generation and infrastructure improvements, and this is reflected in the scale of the study areas for economic and employment effects (the Core Area and Sub-Regional Context Area). The Community study area reflects the area that has the potential to be affected by displacement or changes to homes and community facilities and their users, and as such includes Iver and Richings Park as a precautionary measure.
<p>Approach to baseline and assessment years</p>	
<p>Spelthorne</p> <ul style="list-style-type: none"> There needs to be a consistent baseline across all of the Local Authorities assessed and where gaps are identified these should be addressed to enable a robust evidence base to be established and minimise disparities. The EIA should also have regard for the Local Plan progress of each surrounding authority and how plans for growth areas interact with the effects of the airport expansion. Work being undertaken by Spelthorne Borough Council that could inform the EIA baseline is as follows: <ul style="list-style-type: none"> Strategic Housing Market Assessment (2015) Draft Strategic Land Availability Assessment (2018) Function Economic Area Analysis (2017) Local Economic Assessment and Local Economic Strategy (2016/17) Sustainability Appraisal Scoping Report (2017) Employment Land Needs Assessment (under production- to be published in late Spring) These reports are available online on the Spelthorne Borough Council website. 	<p>Consistent baseline</p> <ul style="list-style-type: none"> Our aim is to identify a consistent baseline in terms of demographic data, facilities and stakeholders – we will use published datasets and research where possible, but would welcome sense-checking and additional information where possible from HSPG members to ensure a common baseline. <p>Local Plans and growth</p> <ul style="list-style-type: none"> The JEBIS workstream will create a joint evidence base for economic and population change (and implications for infrastructure demand) between Heathrow and HSPG members, capturing the differences between a 2R and 3R scenario(s). <p>Local Authority published research and analysis</p> <ul style="list-style-type: none"> We are grateful to receive this information on local assessments and research that will help inform our EIA and will (along with JEBIS) refer to it where relevant to our assessment.
<p>Runnymede</p> <ul style="list-style-type: none"> The main source of evidence for Runnymede Borough will be the evidence documents prepared for the Local Plan plus the Economic Development Strategy and Economic Assessment. All of these documents are available on the Council's website. 	

Future engagement

Spelthorne

- Overall, the EIA should draw on the experience and good practice from similar infrastructure projects elsewhere.
- It may also be beneficial to align the EIA with the Surface Transport Strategy when available. This will allow socio-economic impacts to be assessed alongside the transport changes, with particular consideration of the impacts on local communities, such as isolation, and also the impacts on the economy and employment.
- It would also be helpful if the assessment could set out whether the EIA relates to the DCO alone or the whole airport expansion. There will be significant impacts beyond the 'red line' and it would be helpful if this was set out for clarity.
- In terms of officers to interact with, the Strategic Planning team, Environmental Health team, Economic Development team and Leisure team at Spelthorne Borough Council should be able to provide information on specific technical issues and provide stakeholders to engage with.

Other NSIPs and experience

- We intend to use experience from previous expansion of Heathrow (T2 and T5) as well as NSIPs that identify good practice in terms of socio-economic impact assessments and will include this in our EIA Scoping Report.

Alignment with Surface Access Strategy

- As outlined above, an understanding of community severance effects will be critical to help influence the Project's surface access strategy and is being factored in to the design.
- The community and economic and employment assessments will draw on the findings of the Transport Assessment to assess effects on communities and the local economy.

DCO / Airport Expansion

- The EIA relates to the Project – anything included within the DCO. This will be the new runway and on-airport expansion and may include Associated Development and infrastructure.
- The core topic assessments in the EIA will assess the DCO development; The Cumulative Effects Assessment will consider development related to airport expansion but outside of the DCO.

Engagement / interaction

- The primary source of engagement will be through members of this EIA sub-group on Socio-economics, but from time-to-time we will require bi-lateral engagement with individual Local Authorities and departments / technical officers within them – this information on key contacts is helpful to aid that.

Runnymede

- The Planning Policy department have a comprehensive list of stakeholders in the Borough, and the Runnymede Business Partnership also has a database of over 1,000 companies and holds regular events and sends out a regular bulletin to businesses based in the Borough.

Stakeholders

- We would welcome access to this database of stakeholders to help inform our assessment and will make contact directly to obtain access.
- HAL has an existing list of business and community stakeholders for consultation purposes and engagement and will use OS AddressBase and on-going land referencing to identify commercial property affected but would welcome any information on additional stakeholders – for example where it would aid understanding of local construction or operational supply chain opportunities.

4. Updates to issues raised at previous meeting

8. The following table provides updated information on questions asked of the Applicant at the previous meeting, on which progress has been made since 1st February 2018.

Table 2: Updates – response to questions raised at previous meeting (1st February 2018)

Questions raised by HSPG members at our last meeting (February 1 st 2018) and Applicant update (where possible)
<p>What is the status of the Heathrow Community Engagement Board? What other engagement is happening (in addition to statutory consultation)?</p> <p>Heathrow Community Engagement Board</p> <ul style="list-style-type: none">The Heathrow Community Engagement Board (HCEB) is an independently chaired body constituted to provide the functions of an airport consultative committee for Heathrow Airport (in accordance with Section 35 of the Civil Aviation Act 1982) and the functions of the Heathrow Airport community engagement board (as set out in the draft Airports National Policy Statement).The HCEB was established following a recommendation by the Airports Commission to ensure airport stakeholders, local authorities, communities, passengers and interest groups can contribute effectively to the planning process for the proposed expansion of the airportOn 4/4/18, HCEB announced Rachel Cerfontyne as its new Chair. A selection panel made up of representatives from the new HCEB, Heathrow, the Department for Transport and a local resident group unanimously agreed that Rachel Cerfontyne would provide the necessary open and independent leadership to evolve the work of the new Board and represent the interests of all communities associated with Heathrow Airport.The first meeting of the HCEB, which is open to the public and media, occurred at 2pm on Wednesday 18th April 2018 at the Heathrow Academy <p>Listening Events</p> <ul style="list-style-type: none">Heathrow has set up a series of 'listening events' with communities around the Airport. These are intended to gain insight into the key factors that local residents consider most important about their communities (such as community facilities), and to identify concerns and perceptions about the airport that will help us to ensure we have identified (and given sufficient weight to) sensitive community receptors.To date, events have taken place in a number of communities around the airport including Stanwell/Stanwell Moor, Colnbrook/Poyle and Harmondsworth.Feedback from these sessions will inform Heathrow's masterplan and assessment of environmental effects on sensitive receptors. It will enable HAL to fully understand local sensitivities and therefore help direct mitigation or enhancement/implementation strategies where effects can't be avoided through embedded mitigation or design changes.Through the sessions we want to:<ul style="list-style-type: none">understand what is important to the communities who live in the neighbouring villages, and will be impacted by our expansion proposalshear from them about their aspirations, fears and concernsunderstand what they feel is good/not good about where they live and its proximity to the Airportunderstand what if any opportunities they feel an expanded Heathrow could bring to the areaensure they feel heard and are given a voice in shaping the changes that will affect them. <p>On-going liaison with key stakeholders</p> <ul style="list-style-type: none">Alongside the formal consultation process, Heathrow Airport Limited continues to engage with local community facilities - such as schools and other education, skills and training providers, businesses and business groups, key vulnerable facilities like Heathrow Special Needs Centre and nurseries to understand the issues currently being faced by these key facilities.
<p>What progress has been made on the Joint Evidence Base and Infrastructure Study (JEBIS)? And how does it influence the EIA assessment of Community and Economic & Employment effects?</p> <ul style="list-style-type: none">HAL (and Quod and Arup) have been meeting regularly with HSPG to set the scope of JEBIS. As of the date of issue of this TN, three workshops have occurred along with regular conference calls.To date, the following have been discussed and agreed:

- **Stage 1a – Study areas** – a Technical Note has been circulated, reviewed and agreed that sets the spatial study areas for the project. These wider study areas will be used as the basis for EIA data collection and assessment of effects on employment, skills and the labour market generally.
- **Stage 1b and 1c - Growth Scenarios** – A review has been undertaken of published economic needs assessments and employment land reviews from HSPG members. The main data sources and assumptions for the study have been subsequently agreed. Several assessments and forecasts of employment effects have been undertaken through the AC process – including by HAL and by DfT – these have been collated and reviewed.
- Next steps (**Stage 2**):
 - Confirm employment scenarios and data points
 - Disaggregate employment impacts by Type, Broad SIC and Location
 - Test 'additionality' against base trend OE data
 - Input 'additional' jobs by SIC, Location and Timing to OE model
 - 'Combined Forecast'
- Stage 3: Implications for Economic Development and the Labour Market
- Stage 4: Housing Growth and Implications for SHMAs
- Stage 5: Infrastructure Requirements

How will the 'future baseline' be accounted for?

- As far as possible the assessment will aim to reflect the dynamic nature of the socio-economic environment by using future population and economic projections, identifying planned interventions or new developments and/or identifying sensitivities to change, in order to consider the effects of the Project on local communities, public services, community facilities, labour markets and the economy in the future compared to today.
- These population and economic projections will be primarily drawn from the JEBIS workstream (which has reviewed all existing published information at Local Authority scale, and jointly commissioned projections and scenarios from Oxford Economics).
- We are also working with Transport and Noise teams, which have their own guidance/standards for the use of future baseline information, to ensure that assumptions are consistent across the EIA.

What changes have been made to the study areas based on comments received from HSPG and progress of JEBIS?

Community (See Figure 2 appended)

- Following feedback from our last session, the 'Hounslow' community area in the inner study area presented previously has been split into smaller areas to reflect the different and finer-grained socio-economic and housing characteristics within it.
- This figure also shows the area for assessment of effects on recreational spaces and routes, which has been set in principle via a parallel HSPG workstream.

Economic & Employment

- Following feedback from our last session, and on-going work on the JEBIS project, the wider study area has been split into two areas (see Figure 1a and 1b appended):
 - A **core study area** - defined as a specific Heathrow 'catchment', reflecting the immediate area where the greatest employment and property effects are likely to be felt. This is effectively considered the overall Functional Economic Market Area (FEMA)¹. It is based on local planning authorities with membership of HSPG, but has been validated by comparison to ONS Travel to Work areas and FEMAs established by each individual local planning authority, which cover broadly the same area
 - A **sub-regional context area** - to be used as a basis for analysis of the labour market and wider property needs/impacts. The main function of this sub-regional area will be to provide an economic baseline and to consider its capacity to meet the 'wider' Heathrow generated growth. It is comprised of the 'Elizabeth Line West' area identified by the draft New London Plan, three LEP areas (Thames Valley Berkshire, Enterprise M3 and Buckinghamshire Thames Valley).
- A Heathrow 'commuting area' for consideration of where directly employed labour and labour around the site will be drawn – this will be based on modelling of accessibility to Heathrow by the potential construction and operational workforce.

What is the scope of the 'In-combination' assessment of environmental effects on communities?

- Community effects may arise where there is an accumulation of effects from other environmental topics. These effects may occur both simultaneously and sequentially. The key requirement is to identify whether combined effects on particular locations, resources or receptors may give rise to any new or more significant effects. There is no established method for comparing non-additive, in-combination effects from a range of environmental topics and so professional judgement will be used. This assessment will be drawn upon and informed by the

¹ MHCLG Planning Practice Guidance recommends assessment via 'Functional Economic Market Areas' (FEMAs). These are areas within which there is a relatively self-contained labour market, business market or local economy and may be in part determined by administrative areas and travel-to-work patterns. They are often comprised of Local Enterprise Partnerships (LEP) (groups of public bodies and business representatives in a spatial area), administrative boundaries like local planning authorities, travel to work areas (Office for National Statistics (ONS) defined areas with a relatively self-contained workforce), catchments of facilities, and flows of goods, services and information

PART 2

5. Baseline, sensitive receptors and type of effects

9. As set out in Technical Note 1, initial desk-based research is being carried out to collect statistical information about the demographic, economic, and housing characteristics, and community facilities within the study areas. This will be presented within the forthcoming Scoping Report for each scale of study area and will form the source of current baseline information on which the community and economic and employment assessments will be based.

5.1. Baseline

10. The assessment will draw on public datasets at all available spatial scales to set the baseline - this will include National Statistics (ONS), and local published assessments as directed by Local Authorities (including those identified through our previous meeting and responses received). The following table summarises the key sources of data that will be used:

Table 3: Socio-economic data sources

Source	Data
Community	
Office of National Statistics www.nomisweb.co.uk	Including (but not limited) to National Statistics and datasets such as Census (2011) and the Annual Population Survey (2017)
Ordnance Survey (OS) data www.ordnancesurvey.co.uk/business-and-government/products/vectormap-local.html	Including VectorMap and other OS open products to identify land use, property and community facilities
Online maps and aerial photograph resources http://maps.live.com www.magic.gov.uk	Resources include GIS datasets for planning constraints and definitions of public open space
Sports England datapatform.activeplacespower.com	Including Active Places database of sports facilities
Studies from Local Authorities, Local / Regional Government and other Public Bodies including www.hillingdon.gov.uk www.spelthorne.gov.uk www.hounslow.gov.uk www.southbucks.gov.uk www.slough.gov.uk www.buckscc.gov.uk www.buckscc.gov.uk www.buckscc.gov.uk www.surreycc.gov.uk www.colnevalleypark.org.uk	Strategies, assessments and other published evidence relating to community life and social cohesion, local provision of community facilities including sport and leisure, public services, and housing Published open space strategies and assessments including relevant open space standards Land use surveys Publicly available user surveys capturing usage data for any recreational spaces and routes Public Rights of Way definitive maps

Www3.rbwm.gov.uk www.london.gov.uk	
Local Plans and the London Plan	Standards for provision, and designations of land uses and community facilities such as play areas and allotments
Economic & Employment	
Office of National Statistics (Accessed via: www.nomisweb.co.uk)	Census data (2011) Department for Work and Pensions (DWP) data Annual Population Survey (2017) Business Register and Employment Survey (BRES) Inter-Departmental Business Register (IDBR)
Valuation Office Agency (https://www.gov.uk/government/organisations/valuation-office-agency)	Business rates data
Land Registry (https://eservices.landregistry.gov.uk)	Community-facing businesses
HAL Property data and commissioned studies r.e. employment estimates	HAL Property Business Unit database Studies used in JEBIS Study (Joint Evidence Base and Infrastructure Study) inc. Optimal Economics (2011), Frontier Economics (2014)
Airports Commission Documents and DfT Analysis	Airports Commission Interim and Final Reports DfT Final Report
Local planning authorities	Published research and sector-specific data on skills, business, inward investment
Local Enterprise Partnerships	Published research and sector-specific data on skills, business, inward investment
Heathrow Airport Limited (www.heathrow.com)	Data held on employment, skills and training and business support Employee Survey (latest 2012/13) Feedback from ongoing activities including skills interventions and business support
Information generated by other environmental topics within the ES	Transport Historic Environment Land Quality

11. As outlined in Part 1, a future baseline will also be defined that incorporates economic and population forecasts, and confirmed planned land uses relevant to communities and the economy (e.g. restoration orders on land currently used for extraction, where there is an expectation of community benefit).

5.2. Socio-economic receptors and potential effects (Inner Study Area)

See Figures 2, 2a, 2b, 2c, 2d, and 2e

12. The inner study area (Figure 2) includes 'community' areas within 5 local authorities (LB Hillingdon, LB Hounslow, Spelthorne, Slough, South Bucks). Figures 2a-e and Appendix 1 set out the demographic and economic baseline and community facilities within communities in the inner study area areas, by Local Authority.
13. Table 4 sets out the receptors of community, economic and employment effects at the inner study area scale, and the type of effects they may experience.

Table 4: Socio-economic receptors and potential effects at the local scale (Inner Impact Area)

Receptor	Potential effects
Community	
<ul style="list-style-type: none"> Homes, Occupiers and Tenants <ul style="list-style-type: none"> Landlords Owner-occupiers Renters Social renters Supported accommodation 	<ul style="list-style-type: none"> Loss and displacement due to CPZ Sustainability and viability of remaining communities
<ul style="list-style-type: none"> Community Facilities <ul style="list-style-type: none"> Schools Childcare (e.g. nurseries) Sports & Leisure facilities including allotments, equipped play areas and indoor and outdoor sport (cross-over with RAIA) Healthcare – GP surgeries, pharmacies, opticians, dentists Libraries Community centres, Village halls etc. Community-facing businesses (e.g. pubs) Places of worship Special Needs provision 	<ul style="list-style-type: none"> Loss / displacement due to land use change Changes to access / severance Effects on users, user groups / catchments In-combination or other environmental effects on viability (drawing on other ES assessments)
<ul style="list-style-type: none"> People (residents and visitors) 	<ul style="list-style-type: none"> In-combination or other environmental effects on people and their amenity
Economic & Employment	
<ul style="list-style-type: none"> Business premises, commercial activities and land and their employees and customers / users Local economy as influenced by resources and receptors as identified by other environmental topics including minerals (Land Quality) and heritage assets (Historic Environment). 	<ul style="list-style-type: none"> Potential temporary or permanent displacement of businesses or commercial activity including property, land and minerals Potential effects on sustainability or viability of businesses resulting from the Project (such as temporary or permanent loss of catchment population, change in environment, or severance as a result of changes to access) Potential effects on the local and wider economy as a result of significant residual significant environmental effects which have the potential for economic consequences
<ul style="list-style-type: none"> People (employees and customers) 	<ul style="list-style-type: none"> Effects related to access to users of community-facing businesses Changes in access (e.g. severance and journey time) from communities to employment locations

5.3. Socio-economic receptors and potential effects (Wider Study Areas)

See Figure 1a and Figure 1b

14. Table 5 sets out the receptors of community, economic and employment effects at the wider scales, and the type of effects they may experience.

Table 5: Socio-economic receptors and potential effects (at wider scales)

Receptor	Potential effects
Community	
<ul style="list-style-type: none"> Public & Regulatory Services <ul style="list-style-type: none"> Social care, adult and children's services Housing 	<ul style="list-style-type: none"> Demand for services Effects on vulnerable populations Effects on changing tenure and HMOs

<ul style="list-style-type: none"> • Planning 	
<ul style="list-style-type: none"> • Homes and communities 	<ul style="list-style-type: none"> • Effects related to uptake of WPO e.g. changes to tenure, demography, demand for community facilities and community cohesion
Economic & Employment	
<ul style="list-style-type: none"> • Local and regional economy / Supply chain / Business community 	<ul style="list-style-type: none"> • Indirect, Induced employment including sectors such as freight/cargo, accommodation etc. • Procurement opportunities in construction and operational phases • Inward investment and raising competency • Connectivity benefits
<ul style="list-style-type: none"> • Public sector 	<ul style="list-style-type: none"> • Retention of business rates
<ul style="list-style-type: none"> • Labour market and skills base 	<ul style="list-style-type: none"> • Effects of the construction workforce • Employment creation (direct, indirect, induced) • Skills gains
<ul style="list-style-type: none"> • Business 	<ul style="list-style-type: none"> • Supply chain effects • Inward investment and catalytic effects
<ul style="list-style-type: none"> • Housing market / Local Planning Authorities 	<ul style="list-style-type: none"> • Potential demand for housing as a result of above-trend housing growth

6. Next steps

15. This Technical Note has been issued in advance of the programmes Community/Economic and Employment HSPG meeting on **1st May 2018**. Our intention is to discuss the content of this note and its appendices at that session, and gain any feedback on the potential effects, receptors and study areas in order to help us design our formal EIA scope through verbal and post-meeting written responses from HSPG.



APPENDICES

Heathrow Expansion

Community, Economic and Employment EIA TN2 - Draft



Appendix 1

Socio-economic baseline (Inner Study Area)

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1. INNER STUDY AREA

- 1.1.1 The inner study area consists of 19 community study areas. The community study areas are comprised of wards and output areas as set out in Table 9.2.1, using the lowest possible boundaries for which National Statistics (such as Census data) are available.
- 1.1.2 The inner study area has been drawn to encompass areas that may be directly affected and adjacent areas to which they have physical or functional connection. The individual community areas have been chosen based on an understanding of existing communities around Heathrow (in some cases using a best-fit to output area boundaries).
- 1.1.3 Where appropriate, the study area utilises physical break-lines such as the railway corridors. Elsewhere the boundary reflects existing networks of connectivity or potential opportunities for new linkages.

Table 9.2.1 Community (inner) study areas

Community Area	Local Authority	Output Areas & Wards within area
Stanwell Moor	Spelthorne	Output areas: E00156776, E00156777, E00156778, E00156779, E00156780, E00156781, E00156782, E00156783, E00156784, E00156785, E00156786, E00156787, E00156788, E00156789, E00156790, E00156791, E00156792, E00156794, E00156798, E00156799, E00156800, E00156801
Hounslow (West and Heath)	Hounslow	Hounslow West ward, Hounslow Heath ward, and the following output areas: E00012859, E00012861, E00012863, E00012865, E00012866, E00012867, E00012868, E00012869, E00012870, E00012871, E00012872, E00012873, E00012874, E00012875, E00012876, E00012877, E00012878
Hounslow (Central and South)	Hounslow	Hounslow Central ward, Hounslow South ward
Heston	Hounslow	Heston Central ward, Heston East ward and the following output areas: E00013085, E00013086, E00013087, E00013088, E00013090, E00013092, E00013093, E00013094, E00013095, E00013096, E00013097, E00013098, E00013099, E00013100, E00013101, E00013102, E00013103, E00013104, E00013105, E00013106, E00013107, E00013108, E00013109, E00013110, E00013111, E00013113, E00013114, E00013115
Iver and Richings Park	South Bucks	Output Areas: E00089950, E00089956, E00089958, E00089959, E00089960, E00089961
Feltham North	Hounslow	Feltham North ward
Sipson	Hillingdon	Output Areas: E00012175, E00012183, E00012191

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Community Area	Local Authority	Output Areas & Wards within area
Colnbrook	Slough	Output Areas: E00083215, E00083216, E00083221, E00083223, E00083224, E00083226
Harlington	Hillingdon	Output Areas: E00012176, E00012177, E00012178, E00012180, E00012182, E00012186, E00012187, E00012189, E00012190, E00012192, E00012194, E00012195, E00012197, E00012199
Cranford	Hounslow	Output Areas: E00012858, E00012860, E00012862, E00012864, E00012879, E00012880, E00012881, E00012882, E00012883, E00012884, E00012885, E00012886, E00012887, E00012888, E00013089, E00013091, E00013112
Stanwell	Spelthorne	Output Areas: E00156776, E00156777, E00156778, E00156779, E00156780, E00156781, E00156782, E00156783, E00156784, E00156785, E00156786, E00156787, E00156788, E00156789, E00156790, E00156791, E00156792, E00156794, E00156798, E00156799, E00156800, E00156801,
Bedfont	Hounslow	Bedfont ward
Hayes	Hillingdon	Pinkwell ward
Poyle	Slough	Output Areas: E00083225, E00083227, E00083228, E00083229, E00083230
Cranford Cross	Hillingdon	Output Areas: E00012193, E00012196, E00012200, E00012201
Harmondsworth	Hillingdon	Output Areas: E00012181, E00012184, E00012185, E00012188, E00012198
Brands Hill	Slough	Output Areas: E00083214, E00083217, E00083218, E00083219, E00083220, E00083222, E00083231
West Drayton	LB Hillingdon	West Drayton ward and the following output areas: E00012174, E00012203, E00012204, E00012205, E00012206, E00012207, E00012208
Longford	LB Hillingdon	Output Areas: E00012179, E00012202

- 1.1.4 Demographic, housing and economic baseline data for each community study area is set out in turn within each community study area section (Sections 1.1-1.19), and presented alongside the data averages for the inner study area, and London and the South East for comparison purposes. The metrics and source presented for the demographic, housing and economic baseline are set out respectively in Table 9.2.2, Table 9.2.3 and Table 9.2.4.



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Table 9.2.2 Demographic baseline data sources

Measure	Source	Year	Spatial Level
Total Population	Census	2011	Community Area, inner study area, and London and the South East
Population Growth (2001-2011)		2001 and 2011	
Age Profile		2011	
Gender			
Self-Identified Ethnicity			
Main Language			
Religion			
Self-Reported Health			
Disability and Long-Term Health Problems			

Table 9.2.3 Housing baseline data sources

Measure	Source	Year	Spatial Level
Total Number of Households	Census	2011	Community Area, inner study area, and London and the South East
Accommodation Type			
Accommodation Tenure			
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
Household Composition			

Table 9.2.4 Economic baseline data sources

Measure	Source	Year	Spatial Level
Total Number of Working Age Residents	Census	2011	Community Area, inner study area, and London and the South East
Economic Activity			
Highest Level of Qualification			
Occupation			
Car or Van Availability			

- 1.1.5 As community facilities are geographically specific, these are listed within each community section based on the area they fall within.

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1.2 Harmondsworth

Table 9.2.5 Harmondsworth demographic baseline data

Measure	Harmondsworth	Inner study area	London and the South East
Population			
Total Population	1,850	193,000	16,800,000
Population Growth (2001-2011)	50 (2%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	350 (19%)	41,000 (21%)	3,270,000 (19%)
16-74	1,400 (75%)	143,000 (74%)	12,400,000 (74%)
75+	100 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	950 (51%)	98,200 (51%)	8,270,000 (49%)
Female	900 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,110 (60%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	100 (5%)	6,800 (4%)	573,000 (3%)
Asian/Asian British	490 (27%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	90 (5%)	13,000 (7%)	1,220,000 (7%)
Other	60 (3%)	7,000 (4%)	332,000 (2%)
Main Language			
English	1,430 (80%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	980 (53%)	74,100 (38%)	9,120,000 (54%)
No Religion	310 (17%)	22,900 (12%)	4,080,000 (24%)
Sikh	200 (11%)	26,000 (13%)	181,000 (1%)
Muslim	150 (8%)	30,500 (16%)	1,210,000 (7%)
Self-Reported Health			
Good Health	1,550 (84%)	161,000 (83%)	14,100,000 (84%)
Fair Health	220 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	80 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	260 (14%)	27,600 (14%)	2,510,000 (15%)

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Table 9.2.6 Harmondsworth housing baseline data

Measure	Harmondsworth	Inner study area	London and the South East
Households			
Total Number of Households	650	67,300	6,820,000
Accommodation Type			
House	590 (84%)	46,300 (67%)	4,510,000 (64%)
Flats	110 (16%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	370 (57%)	35,300 (52%)	3,980,000 (58%)
Social Rented	110 (16%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	160 (25%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	5 (2%)	1,560 (2%)	81,400 (1%)
Living Rent Free	10 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	80 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	20 (6%)	3,260 (9%)	126,000 (3%)
Privately Rented	40 (22%)	4,340 (26%)	197,000 (13%)
Social Rented	20 (15%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	160 (25%)	15,800 (23%)	2,050,000 (30%)
One Family	370 (56%)	39,500 (59%)	4,020,000 (59%)
Other	120 (19%)	12,000 (18%)	750,000 (11%)

Table 9.2.7 Harmondsworth economic baseline data

Measure	Harmondsworth	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,400	143,000	12,400,000
Economic Activity			
Economically Active	1,040 (75%)	103,000 (72%)	8,910,000 (72%)
Unemployed	60 (5%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			

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Measure	Harmondsworth	Inner study area	London and the South East
No Formal Qualifications	310 (21%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	650 (43%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	320 (21%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	230 (15%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	250 (25%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	310 (32%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	420 (43%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	520 (80%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	130 (20%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.8 Harmondsworth community facilities data

Map ref.	Name	Description of facility
PS1	Harmondsworth Primary School	Mixed 1FE primary school with approximately 189 students on roll
PW1	St Mary's Church, Harmondsworth	Medieval Church of England parish church with churchyard (OS3) and church hall (C6)
PW2	Harmondsworth Baptist Church	Small Baptist chapel on Harmondsworth High Street
N1	Wonderland Day Nursery	Nursery located in Harmondsworth Community Hall (C1)
N2	Heathrow Day Nursery	Nursery located on Harmondsworth High Street
C1	Harmondsworth Community Hall	Small community hall located next to Harmondsworth Primary School, for hire and used by Wonderland Day Nursery (N1)
C6	St Mary's Church Hall	Hall connected to St Mary's Church and used by church groups
C30	Harmondsworth Scout Hut	Scout hall used by 1st Harmondsworth Scout Group
OS1	Harmondsworth Recreation Ground	Local park with tennis courts, playground and grass areas used for football and informal recreation
OS2	Harmondsworth Village Green	Small village green triangle
OS4	Pinglestone Close Allotments	Public, council-owned allotments

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Map ref.	Name	Description of facility
OS8	Moor Lane Allotments	Public, council-owned allotments in Harmondsworth Moor
OS9	Colne Valley Regional Park – Harmondsworth Moor	Section of Colne Valley Regional Park comprising Harmondsworth Moor
LB1	Ansell Garden Centre	Local community-facing business on Holloway Lane, includes community café and garden centre
LB2	Harmondsworth Village Stores	Local newsagent and shop
LB3	Gable Stores/Post Office	Post office branch and newsagent
LB5	Shell	Service station on Holloway Lane
P1	The Crown	Pub on Harmondsworth High Street
P2	The Five Bells	Pub on Harmondsworth High Street

1.3 Sipson

Table 9.2.9 Sipson demographic baseline data

Measure	Sipson	Inner study area	London and the South East
Population			
Total Population	970	193,000	16,800,000
Population Growth (2001-2011)	90 (11%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	220 (23%)	41,000 (21%)	3,270,000 (19%)
16-74	700 (72%)	143,000 (74%)	12,400,000 (74%)
75+	50 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	520 (54%)	98,200 (51%)	8,270,000 (49%)
Female	450 (46%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	600 (62%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	40 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	240 (25%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	60 (6%)	13,000 (7%)	1,220,000 (7%)
Other	30 (3%)	7,010 (4%)	332,000 (2%)
Main Language			

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Measure	Sipson	Inner study area	London and the South East
English	710 (78%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	490 (50%)	74,100 (38%)	9,120,000 (54%)
No Religion	170 (17%)	22,900 (12%)	4,080,000 (24%)
Muslim	150 (15%)	30,500 (16%)	1,210,000 (7%)
Sikh	50 (5%)	26,000 (13%)	181,000 (1%)
Self-Reported Health			
Good Health	820 (84%)	161,000 (83%)	14,100,000 (84%)
Fair Health	120 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	40 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	110 (11%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.10 Sipson housing baseline data

Measure	Sipson	Inner study area	London and the South East
Households			
Total Number of Households	360	67,300	6,820,000
Accommodation Type			
House	340 (88%)	46,300 (67%)	4,510,000 (64%)
Flats	40 (11%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	170 (47%)	35,300 (52%)	3,980,000 (58%)
Social Rented	40 (12%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	140 (39%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	2 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	5 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	40 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	7 (4%)	3,260 (9%)	126,000 (3%)
Privately Rented	30 (18%)	4,340 (26%)	197,000 (13%)
Social Rented	8 (19%)	2,490 (18%)	175,000 (14%)

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Measure	Sipson	Inner study area	London and the South East
Household Composition			
One Person	90 (26%)	15,800 (23%)	2,050,000 (30%)
One Family	220 (60%)	39,500 (59%)	4,020,000 (59%)
Other	50 (14%)	12,000 (18%)	750,000 (11%)

Table 9.2.11 Sipson economic baseline data

Measure	Sipson	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	700	143,000	12,400,000
Economic Activity			
Economically Active	550 (78%)	103,000 (72%)	8,910,000 (72%)
Unemployed	40 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	140 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	330 (45%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	190 (26%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	90 (11%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	140 (29%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	150 (31%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	200 (41%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	280 (78%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	80 (22%)	18,900 (28%)	2,020,000 (30%)

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Table 9.2.12 Sipson community facilities data

Map ref.	Name	Description of facility
PS2	Heathrow Primary School	Mixed 2FE primary school with 399 pupils currently on roll. Includes school pitch and tennis court.
N4	The Co-Operative Childcare Heathrow	Nursery in Sipson Village
PW6	Sipson Christian Fellowship	Small Baptist/evangelical Christian chapel, mostly used as housing
C2	Sipson Community Centre	Community centre run by Sipson Community Association, at Sipson Recreation Ground
OS5	Sipson Recreation Ground	Open space with tennis courts, playing fields, playground
OS7	Grow Heathrow	Site formerly squatted and used as community garden by protest group, now vacant
LB4	Sipson Post Office	Post office branch
P3	The King William IV	Pub on Sipson Road
P4	The Plough	Pub on Sipson Road

1.4 Longford

1.4.1 The Longford Community Area covers two output areas (E00012179, E00012202). Output Area E00012179 contains the Colnbrook/Harmondsworth Immigration Removal Centre; to avoid this facility skewing demographic, housing and economic for normal residents, only Census data from Output Area E00012202 has been reported for the Longford tables only. Data for the inner study area as a whole is not affected.

Table 9.2.13 Longford demographic baseline data

Measure	Longford	Inner study area	London and the South East
Population			
Total Population	250	193,000	16,800,000
Population Growth (2001-2011)	20 (6%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	30 (10%)	41,000 (21%)	3,270,000 (19%)
16-74	210 (86%)	143,000 (74%)	12,400,000 (74%)
75+	9 (4%)	9,440 (5%)	1,150,000 (7%)

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Measure	Longford	Inner study area	London and the South East
Gender			
Male	140 (57%)	98,200 (51%)	8,270,000 (49%)
Female	110 (43%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	180 (72%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	7 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	40 (16%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	10 (5%)	13,000 (7%)	1,220,000 (7%)
Other	10 (4%)	7,010 (4%)	332,000 (2%)
Main Language			
English	190 (81%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	160 (63%)	74,100 (38%)	9,120,000 (54%)
No Religion	30 (13%)	22,900 (12%)	4,080,000 (24%)
Muslim	10 (6%)	30,500 (16%)	1,210,000 (7%)
Hindu	10 (5%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	220 (90%)	161,000 (83%)	14,100,000 (84%)
Fair Health	20 (9%)	23,200 (12%)	1,950,000 (12%)
Bad Health	3 (1%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	20 (8%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.14 Longford housing baseline data

Measure	Longford	Inner study area	London and the South East
Households			
Total Number of Households	130	67,300	6,820,000
Accommodation Type			
House	80 (53%)	46,300 (67%)	4,510,000 (64%)
Flats	70 (47%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			

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Measure	Longford	Inner study area	London and the South East
Owner-Occupied	60 (47%)	35,300 (52%)	3,980,000 (58%)
Social Rented	4 (3%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	60 (48%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	0 (0%)	1,560 (2%)	81,400 (1%)
Living Rent Free	3 (2%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	10 (9%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	2 (3%)	3,260 (9%)	126,000 (3%)
Privately Rented	10 (15%)	4,340 (26%)	197,000 (13%)
Social Rented	0 (0%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	60 (45%)	15,800 (23%)	2,050,000 (30%)
One Family	60 (42%)	39,500 (59%)	4,020,000 (59%)
Other	20 (12%)	12,000 (18%)	750,000 (11%)

Table 9.2.15 Longford economic baseline data

Measure	Longford	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	210	143,000	12,400,000
Economic Activity			
Economically Active	180 (82%)	103,000 (72%)	8,910,000 (72%)
Unemployed	9 (5%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	30 (15%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	80 (38%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	80 (35%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	30 (13%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	60 (36%)	31,000 (33%)	3,920,000 (47%)

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Measure	Longford	Inner study area	London and the South East
Admin / Skilled Trades / Services	40 (24%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	70 (39%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	100 (78%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	30 (22%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.16 Longford community facilities data

Map Ref.	Name	Description of Facility
N3	Littlebrook Nursery	Nursery on Bath Road, Longford
EC6	Heathrow Special Needs Centre	Special needs centre and urban farm, providing animal husbandry lessons for special needs children
OS6	Heathrow Biodiversity Site – Peggy Bedford	Publicly accessible biodiversity site
P5	The White Horse	Pub in Longford village
P6	The King's Arms	Pub in Longford village

1.5 Harlington

Table 9.2.17 Harlington demographic baseline data

Measure	Harlington	Inner study area	London and the South East
Population			
Total Population	4,670	193,000	16,800,000
Population Growth (2001-2011)	90 (11%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	870 (19%)	41,000 (21%)	3,270,000 (19%)
16-74	3,620 (78%)	143,000 (74%)	12,400,000 (74%)
75+	180 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	2,430 (52%)	98,200 (51%)	8,270,000 (49%)

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Measure	Harlington	Inner study area	London and the South East
Female	2,240 (48%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	2,140 (46%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	220 (5%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	1,730 (37%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	380 (8%)	13,000 (7%)	1,220,000 (7%)
Other	190 (4%)	7,010 (4%)	332,000 (2%)
Main Language			
English	2,810 (64%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	2,080 (44%)	74,100 (38%)	9,120,000 (54%)
Muslim	700 (15%)	30,500 (16%)	1,210,000 (7%)
No Religion	520 (11%)	22,900 (12%)	4,080,000 (24%)
Hindu	470 (10%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	4,020 (86%)	161,000 (83%)	14,100,000 (84%)
Fair Health	460 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	190 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	540 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.18 Harlington housing baseline data

Measure	Harlington	Inner study area	London and the South East
Households			
Total Number of Households	1,860	67,300	6,820,000
Accommodation Type			
House	920 (47%)	46,300 (67%)	4,510,000 (64%)
Flats	1,020 (52%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	870 (47%)	35,300 (52%)	3,980,000 (58%)
Social Rented	200 (11%)	13,800 (20%)	1,270,000 (19%)

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Measure	Harlington	Inner study area	London and the South East
Privately Rented	750 (40%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	10 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	20 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	290 (16%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	80 (9%)	3,260 (9%)	126,000 (3%)
Privately Rented	180 (23%)	4,340 (26%)	197,000 (13%)
Social Rented	30 (15%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	560 (30%)	15,800 (23%)	2,050,000 (30%)
One Family	960 (52%)	39,500 (59%)	4,020,000 (59%)
Other	340 (18%)	12,000 (18%)	750,000 (11%)

Table 9.2.19 Harlington economic baseline data

Measure	Harlington	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	3,620	143,000	12,400,000
Economic Activity			
Economically Active	2,780 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	180 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	670 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	1,420 (37%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	990 (26%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	720 (19%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	680 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	770 (30%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	1,120 (43%)	33,500 (36%)	1,860,000 (23%)

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Measure	Harlington	Inner study area	London and the South East
Car or Van Availability			
1+ Car/Van Available	1,230 (66%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	630 (34%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.20 Harlington community facilities data

Map ref.	Name	Description of facility
PS4	William Byrd Primary School	Mixed 3FE junior school with 591 pupils on roll; includes some nursery provision
N5	Littlebrook Nursery, Sipson	Nursery on Sipson Road
SC2	Harlington Hospice	Hospice in Harlington providing range of care and end of life services including outreach service
GP1	Glendale Medical Centre	GP surgery, Harlington High Street
GP2	Heathrow Medical Centre	GP surgery, Harlington High Street
D2	The Village Dental Care	Dentist surgery, Harlington High Street
PW4	Harlington Baptist Church	Baptist church with church hall (C10), Harlington High Street
PW5	St Peter and St Paul Church	Medieval Church of England parish church with churchyard and church hall
PW7	Sant Nirankari Mandal - International Nirankari Bhaven	Building on Sipson Lane owned by branch of spiritual movement based in India
C12	St Peter and St Paul Church Hall	Church hall owned by St Peter and St Paul church
C13	Harlington Scouts Hall	Hall owned by Harlington Scouts
LB9	Harlington Locomotive Society Miniature Railway	Local community business
LB12	Harlington Post Office	Post office branch
LB20	Harlington Hospice Charity Shop	Community business supporting Harlington Hospice
S5	William Byrd Pool	Public swimming pool used by schools, clubs and general public
S6/OS13	Little Harlington Playing Fields	Grass football and cricket pitches/playing fields with changing rooms and café
S8/OS14	Imperial College Sports Grounds	Sports fields owned by Imperial College London including grass pitches, artificial pitches and sports centre with changing rooms

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Map ref.	Name	Description of facility
PH3	The Village Pharmacy	Pharmacy on Harlington High Street
P11	The Pheasant Inn	Pub in Harlington village
P12	The Three Magpies	Pub on Bath Road
P13	The Wheatsheaf	Pub in Harlington village
P14	The White Hart	Pub in Harlington village
OS10	Harlington open space	Open space with public right of way
OS11	Browngraves Green	Public green with playground
OS12	Harlington School Grounds	Playing fields owned by Harlington school (no longer in use)
OS15	Sipson Meadow	Open space with playground
OS16	William Byrd Grounds	School grounds with playing field
OS17	Victoria Lane Burial Ground	Public cemetery
OS18	St Peter and St Paul's Churchyard	Churchyard connected to St Peter and St Paul's Church
OS19	Brickfield Lane Playground	Playground
OS20	Imperial College Sports Ground	Sports pitches owned by Imperial College London

1.6 West Drayton

Table 9.2.21 West Drayton demographic baseline data

Measure	West Drayton	Inner study area	London and the South East
Population			
Total Population	16,700	193,000	16,800,000
Population Growth (2001-2011)	3,030 (22%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	3,970 (24%)	41,000 (21%)	3,270,000 (19%)
16-74	11,800 (70%)	143,000 (74%)	12,400,000 (74%)
75+	980 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	8,180 (49%)	98,200 (51%)	8,270,000 (49%)
Female	8,560 (51%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			

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Measure	West Drayton	Inner study area	London and the South East
White	10,980 (66%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	450 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	3,170 (19%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	1,390 (8%)	13,000 (7%)	1,220,000 (7%)
Other	450 (3%)	7,010 (4%)	332,000 (2%)
Main Language			
English	13,100 (83%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	8,640 (52%)	74,100 (38%)	9,120,000 (54%)
No Religion	3,560 (21%)	22,900 (12%)	4,080,000 (24%)
Muslim	1,740 (10%)	30,500 (16%)	1,210,000 (7%)
Hindu	760 (5%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	13,850 (83%)	161,000 (83%)	14,100,000 (84%)
Fair Health	2,040 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	850 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	2,610 (16%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.22 West Drayton housing baseline data

Measure	West Drayton	Inner study area	London and the South East
Households			
Total Number of Households	6,190	67,300	6,820,000
Accommodation Type			
House	4,350 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	2,030 (32%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	3,160 (51%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,700 (27%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	1,110 (18%)	15,900 (24%)	1,400,000 (20%)

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Measure	West Drayton	Inner study area	London and the South East
Shared Ownership	160 (3%)	1,560 (2%)	81,400 (1%)
Living Rent Free	60 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	710 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	190 (6%)	3,260 (9%)	126,000 (3%)
Privately Rented	210 (13%)	4,340 (26%)	197,000 (13%)
Social Rented	320 (14%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,520 (25%)	15,800 (23%)	2,050,000 (30%)
One Family	3,890 (63%)	39,500 (59%)	4,020,000 (59%)
Other	780 (13%)	12,000 (18%)	750,000 (11%)

Table 9.2.23 West Drayton economic baseline data

Measure	West Drayton	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	11,800	143,000	12,400,000
Economic Activity			
Economically Active	8,400 (71%)	103,000 (72%)	8,910,000 (72%)
Unemployed	620 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	3,150 (25%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	5,420 (42%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	2,970 (23%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,230 (10%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	2,570 (34%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,720 (36%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,370 (31%)	33,500 (36%)	1,860,000 (23%)

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Measure	West Drayton	Inner study area	London and the South East
Car or Van Availability			
1+ Car/Van Available	4,510 (73%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,680 (27%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.24 West Drayton community facilities data

Map ref.	Name	Description of facility
PS3	West Drayton Primary School	State-funded primary school
PS5	St Catherine Catholic Primary School	State-funded primary school
PS6	Cherry Lane Primary School	State-funded primary school
PS8	Laurel Lane Primary School	State-funded primary school
PS9	St Martin's Church of England Primary School	State-funded primary school
EC1	Cherry Lane Children's Centre	Children's centre, with play, outreach and general children's services
EC2	West Drayton Library	Library
EC7	Abacus Childrens Centre	Children's centre
EC8	West Drayton Youth Centre	Youth Centre
EC24	Southlands Arts Centre	Public arts centre with exhibition space and classes
N20	Happy Tree Nursery	Nursery
SC7	Drayton Village Care Centre	Residential care centre for the elderly
SC8	Franklin House Care Home	Residential care centre for the elderly
SC9	The Burroughs Care Home	Residential care centre for the elderly
C35	West Drayton Scout Hall	Small scout hall
C3	The Meadows Community Centre	Community centre with hall for hire
C4	Yiewsley & West Drayton Community Centre	Community centre with hall for hire
C5	Drayton Garden Village Hall	Village hall for hire
LB6	Laurel Lane Post Office	Post office

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Map ref.	Name	Description of facility
LB7	West Drayton Post Office	Post office
PW54	St Catherine RC Church	Catholic church
PW55	West Drayton Baptist Church	Baptist church
PW48	Bell Farm Church	Evangelical Protestant church
PW50	St Martins Church West Drayton	Church of England church
GP4	The Medical Centre	GP practice
D1	Mydentist	Dental surgery
PH4	Orchard Pharmacy	Pharmacy
PH5	Carewell Chemists	Pharmacy
PH6	Winchester Pharmacy	Pharmacy
PH7	Boots (West Drayton)	Pharmacy
S1	Spirit Health And Fitness	Indoor gym
S2	Heathpark Golf Club	Small golf course adjacent to A408
OS112	The Closes	Open, green space
OS119	West Drayton Primary School playing fields	School playing fields
OS9	Colne Valley Regional Park	Harmondsworth Moor (north of M4)
OS123	West Drayton Depot Allotments	Council-owned allotments
OS197	Stockley Recreation Ground	Open, green space
OS198	Bell Farm Green	Open, green space
OS199	Beech Close Green	Open, green space
SO200	Autumn Green	Open, green space
OS127	Townmead Recreation Ground	Open, green space
OS201	Evergreen Drive Playground	Children's playground
OS202	Spring Green	Open, green space
OS203	Parklodge Avenue courtyards	Council-owned allotments
OS129	Cherry Lane Primary School playing fields	School playing fields
OS204	Holly Gardens	Open, green space

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Map ref.	Name	Description of facility
OS130	Heath Park Golf Club	Golf course
OS205	Spring Promenade Playground	Children's playground
OS132	Longmead/St. Martin's Primary School playing fields	School playing fields
OS206	West Drayton Cemetery	Public cemetery
OS207	West Drayton Cemetery Allotments	Council-owned allotments
OS134	MUGA west of Milton Way	Paved mixed-use games area
OS208	Southland Arts Centre Gardens	Grounds and gardens at Southland Arts Centre
OS209	The Green	Open, green space
OS210	St Martin's Church	Churchyard
OS211	Fray's Island Nature Reserve	Lake, river and nature reserve, part of Colne Valley Regional Park

1.7 Hayes

Table 9.2.25 Hayes demographic baseline data

Measure	Hayes	Inner study area	London and the South East
Population			
Total Population	14,800	193,000	16,800,000
Population Growth (2001-2011)	2,420 (20%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	3,890 (26%)	41,000 (21%)	3,270,000 (19%)
16-74	10,300 (70%)	143,000 (74%)	12,400,000 (74%)
75+	550 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	7,420 (50%)	98,200 (51%)	8,270,000 (49%)
Female	7,350 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	4,700 (32%)	82,900 (43%)	12,700,000 (76%)

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Measure	Hayes	Inner study area	London and the South East
Mixed/Multiple	560 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	7,030 (48%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	1,810 (12%)	13,000 (7%)	1,220,000 (7%)
Other	680 (5%)	7,010 (4%)	332,000 (2%)
Main Language			
English	9,290 (67%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	4,560 (31%)	74,100 (38%)	9,120,000 (54%)
Sikh	3,170 (21%)	26,000 (13%)	181,000 (1%)
Muslim	3,030 (20%)	30,500 (16%)	1,210,000 (7%)
Hindu	1,600 (11%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	12,400 (84%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,710 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	660 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,940 (13%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.26 Hayes housing baseline data

Measure	Hayes	Inner study area	London and the South East
Households			
Total Number of Households	4,650	67,300	6,820,000
Accommodation Type			
House	3,830 (81%)	46,300 (67%)	4,510,000 (64%)
Flats	910 (19%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	2,680 (58%)	35,300 (52%)	3,980,000 (58%)
Social Rented	950 (20%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	920 (20%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	20 (1%)	1,560 (2%)	81,400 (1%)

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Measure	Hayes	Inner study area	London and the South East
Living Rent Free	40 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	820 (18%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	310 (11%)	3,260 (9%)	126,000 (3%)
Privately Rented	290 (30%)	4,340 (26%)	197,000 (13%)
Social Rented	230 (24%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	840 (18%)	15,800 (23%)	2,050,000 (30%)
One Family	2,940 (63%)	39,500 (59%)	4,020,000 (59%)
Other	870 (19%)	12,000 (18%)	750,000 (11%)

Table 9.2.27 Hayes economic baseline data

Measure	Hayes	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	10,300	143,000	12,400,000
Economic Activity			
Economically Active	7,210 (70%)	103,000 (72%)	8,910,000 (72%)
Unemployed	550 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	2,390 (22%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	4,420 (41%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	2,480 (23%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,590 (15%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	1,780 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,050 (31%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,700 (41%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			

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Measure	Hayes	Inner study area	London and the South East
1+ Car/Van Available	3,490 (75%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,150 (25%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.28 Hayes community facilities data

Map ref.	Name	Description of facility
SS1	Harlington School	State-funded secondary school
PS7	Cranford Park Academy	State-funded primary school
PS10	Pinkwell Primary School	State-funded primary school
EC3	Harlington Library	Library
EC4	Harlington Adult Learning Centre	Adult education centre
EC5	Pinkwell Children's Centre	Children's centre
C11	Harlington and Hayes Community Centre	Community centre with rooms for hire
C34	Wentworth Crescent Scout's Hall	Small hall used by local Scouts groups
PW52	Christ Church Hayes	Church of England church
PW53	Life Oasis Centre	Evangelical Protestant church and centre
GP3	Shakespeare Medical Centre	GP surgery
GP31	Hayes Medical Centre	GP surgery
GP32	North Hyde Road Surgery	GP surgery
S3	Goals Soccer Centre (Heathrow)	Indoor and outdoor private football centre with pitches to hire
S4	Harlington Sports Centre	Sports centre owned by Harlington School, open to the public when not in school use
OS122	Bourne Farm Allotment	Council-owned allotments
OS21	Cranford Park	Part of Cranford Park north of M4
OS189	Cherry Lane Cemetery	Public cemetery
OS190	Goals Football Ground	Football pitches owned by Goals Soccer Centre
OS191	Station Road Allotments	Council-owned allotments
OS192	Lundy Drive MUGA	Mixed-use games area

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Map ref.	Name	Description of facility
OS110	Bourne Farm Recreation Ground	Open, green space
OS193	Lundy Drive Playground	Children's playground
OS111	Pinkwell Park	Open, green space
OS194	Hoskins Close Playground	Children's playground
OS195	Croyde Avenue Playground	Children's playground
OS196	Snowdon Crescent Green	Open, green space
OS131	Playing Fields W Pinkwell Primary, E Harlington Community School	School playing fields
OS117	Sam Philp Recreation Ground - The Moats	Open, green space
OS133	Cranford Park Primary School Playing Field	School playing fields

1.8 Cranford Cross

Table 9.2.29 Cranford Cross demographic baseline data

Measure	Cranford Cross	Inner study area	London and the South East
Population			
Total Population	1,630	193,000	16,800,000
Population Growth (2001-2011)	300 (22%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	360 (22%)	41,000 (21%)	3,270,000 (19%)
16-74	1,210 (74%)	143,000 (74%)	12,400,000 (74%)
75+	60 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	830 (51%)	98,200 (51%)	8,270,000 (49%)
Female	800 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	490 (30%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	60 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	890 (54%)	83,700 (43%)	1,960,000 (12%)

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Measure	Cranford Cross	Inner study area	London and the South East
Black/Black British	90 (5%)	13,000 (7%)	1,220,000 (7%)
Other	100 (6%)	7,010 (4%)	332,000 (2%)
Main Language			
English	890 (59%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	540 (33%)	74,100 (38%)	9,120,000 (54%)
Muslim	320 (20%)	30,500 (16%)	1,210,000 (7%)
Sikh	310 (19%)	26,000 (13%)	181,000 (1%)
Hindu	230 (14%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	1,390 (85%)	161,000 (83%)	14,100,000 (84%)
Fair Health	180 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	60 (3%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	160 (10%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.30 Cranford Cross housing baseline data

Measure	Cranford Cross	Inner study area	London and the South East
Households			
Total Number of Households	550	67,300	6,820,000
Accommodation Type			
House	420 (76%)	46,300 (67%)	4,510,000 (64%)
Flats	130 (24%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	310 (57%)	35,300 (52%)	3,980,000 (58%)
Social Rented	20 (3%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	210 (38%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	2 (0%)	1,560 (2%)	81,400 (1%)
Living Rent Free	6 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			

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Measure	Cranford Cross	Inner study area	London and the South East
All Tenures	110 (19%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	30 (10%)	3,260 (9%)	126,000 (3%)
Privately Rented	70 (32%)	4,340 (26%)	197,000 (13%)
Social Rented	5 (26%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	110 (20%)	15,800 (23%)	2,050,000 (30%)
One Family	330 (61%)	39,500 (59%)	4,020,000 (59%)
Other	110 (19%)	12,000 (18%)	750,000 (11%)

Table 9.2.31 Cranford Cross economic baseline data

Measure	Cranford Cross	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,210	143,000	12,400,000
Economic Activity			
Economically Active	930 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	60 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	160 (13%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	450 (35%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	380 (30%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	280 (22%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	240 (28%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	260 (31%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	350 (41%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	410 (76%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	130 (24%)	18,900 (28%)	2,020,000 (30%)

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Table 9.2.32 Cranford Cross community facilities data

Map Ref.	Name	Description of Facility
PW11	St. Dunstan's Church	Medieval parish church and churchyard in Cranford park
OS21	Cranford Park	Parkland and woodland
OS22	Crane Meadows	Parkland and woodland
OS23	Berkeley Meadows	Open space with playground
OS27	Crane Meadows	Open space in river valley with public right of way

1.9 Cranford

Table 9.2.33 Cranford demographic baseline data

Measure	Cranford	Inner study area	London and the South East
Population			
Total Population	6,760	193,000	16,800,000
Population Growth (2001-2011)	630 (10%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	1,370 (20%)	41,000 (21%)	3,270,000 (19%)
16-74	5,100 (75%)	143,000 (74%)	12,400,000 (74%)
75+	290 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	3,490 (52%)	98,200 (51%)	8,270,000 (49%)
Female	3,270 (48%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,470 (22%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	190 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	4,390 (65%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	410 (6%)	13,000 (7%)	1,220,000 (7%)
Other	310 (5%)	7,010 (4%)	332,000 (2%)
Main Language			
English	3,610 (56%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Sikh	1,990 (29%)	26,000 (13%)	181,000 (1%)

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Measure	Cranford	Inner study area	London and the South East
Christian	1,590 (24%)	74,100 (38%)	9,120,000 (54%)
Muslim	1,560 (23%)	30,500 (16%)	1,210,000 (7%)
Hindu	910 (13%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	5,530 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	900 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	340 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,020 (15%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.34 Cranford housing baseline data

Measure	Cranford	Inner study area	London and the South East
Households			
Total Number of Households	2,080	67,300	6,820,000
Accommodation Type			
House	1,550 (73%)	46,300 (67%)	4,510,000 (64%)
Flats	560 (26%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	1,130 (54%)	35,300 (52%)	3,980,000 (58%)
Social Rented	350 (17%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	560 (27%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	10 (0%)	1,560 (2%)	81,400 (1%)
Living Rent Free	30 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	400 (19%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	140 (12%)	3,260 (9%)	126,000 (3%)
Privately Rented	190 (32%)	4,340 (26%)	197,000 (13%)
Social Rented	80 (22%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	380 (18%)	15,800 (23%)	2,050,000 (30%)

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Measure	Cranford	Inner study area	London and the South East
One Family	1,170 (56%)	39,500 (59%)	4,020,000 (59%)
Other	530 (25%)	12,000 (18%)	750,000 (11%)

Table 9.2.35 Cranford economic baseline data

Measure	Cranford	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	5,100	143,000	12,400,000
Economic Activity			
Economically Active	3,540 (69%)	103,000 (72%)	8,910,000 (72%)
Unemployed	260 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	950 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	1,900 (35%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	1,470 (27%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,080 (20%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	880 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	870 (27%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	1,440 (45%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	1,520 (73%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	560 (27%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.36 Cranford community facilities data

Map ref.	Name	Description of facility
SS2	Cranford Community College	Mixed 7FE Secondary School with 1,017 pupils on roll
SN2	The Cedars Primary School	Special school with 62 pupils currently on roll

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Map ref.	Name	Description of facility
PS23	Cranford Primary School	Mixed 3FE primary school with 605 pupils on roll
PW12	Holy Angels Church	Church of England church, Cranford High Street
PW13	Church of Our Lady and St. Christopher	Catholic church, Cranford High street
PW14	Heathrow Jamia Masjid Mosque	Mosque and Islamic cultural centre, Bath Road
PW15	Masjid Us Sunnah	Small Salafi mosque and prayer room in Bath Road house
PW16	Cranford Baptist Church	Baptist/evangelical Christian church
EC10	Meadowbank Adult Learning Centre	Adult education centre providing vocational and recreational daytime classes for adults
EC11	Cranford Children's Centre	SureStart children's centre based at Cranford Primary School
EC12	Cranford Library	Public library including meeting rooms and study areas
GP6	Dr Sandhu, PS & Partner	GP practice
GP7	Cranford Medical Centre	GP practice
N6	The Old Rectory Nursery School	Nursery on Church Road/ High Street Cranford
D3	Claradent Dental Care	Dentist surgery
D4	Berkeley Dental Practice	Dentist surgery
C7	Cranford Memorial Hall	Community hall with kitchen
PH9	Dunn Chemist	Pharmacy, Bath Road, Cranford
S9/OS26	Imperial College Sports Grounds Heston	Sports facilities owned by Imperial College London, including grass pitches and playing fields, tennis courts, artificial pitches and sports centre with changing facilities
S10	Cranford Community College Sports Facilities	Sports hall and grounds owned by school, open to public outside of school hours
S20	David Lloyd Sports Centre	Sports centre with gym, swimming pool, tennis court
OS24	Avenue Park	Public open space including tennis/basketball courts and children's playground
OS25	Cranford Community College Grounds	School grounds with grass playing fields, tennis courts and artificial pitches
OS27	Crane Meadows	River valley open space with public right of way
OS28	Way Avenue Green	Green with playground
OS29	Cranford School grounds	School playing field and courtyard
OS30/ OS31	Firs Drive Green	Roadside greens
OS32	Avenue Gardens	Roadside greens

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Map ref.	Name	Description of facility
OS120	Waye Avenue Allotments	Public allotments

1.10 Heston

Table 9.2.37 Heston demographic baseline data

Measure	Heston	Inner study area	London and the South East
Population			
Total Population	36,200	193,000	16,800,000
Population Growth (2001-2011)	3,930 (12%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	7,700 (21%)	41,000 (21%)	3,270,000 (19%)
16-74	26,800 (74%)	143,000 (74%)	12,400,000 (74%)
75+	1,670 (5%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	18,400 (51%)	98,200 (51%)	8,270,000 (49%)
Female	17,800 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	8,260 (23%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	1,090 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	22,300 (62%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	2,550 (7%)	13,000 (7%)	1,220,000 (7%)
Other	1,980 (5%)	7,010 (4%)	332,000 (2%)
Main Language			
English	20,800 (60%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Sikh	9,340 (26%)	26,000 (13%)	181,000 (1%)
Christian	8,810 (24%)	74,100 (38%)	9,120,000 (54%)
Muslim	7,780 (22%)	30,500 (16%)	1,210,000 (7%)
Hindu	5,640 (16%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	29,700 (82%)	161,000 (83%)	14,100,000 (84%)

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Measure	Heston	Inner study area	London and the South East
Fair Health	4,520 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	1,940 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	5,410 (15%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.38 Heston housing baseline data

Measure	Heston	Inner study area	London and the South East
Households			
Total Number of Households	11,600	67,300	6,820,000
Accommodation Type			
House	7,800 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	3,900 (33%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	6,190 (54%)	35,300 (52%)	3,980,000 (58%)
Social Rented	2,510 (22%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	2,580 (22%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	120 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	160 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	2,080 (18%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	700 (11%)	3,260 (9%)	126,000 (3%)
Privately Rented	780 (28%)	4,340 (26%)	197,000 (13%)
Social Rented	600 (24%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	2,330 (20%)	15,800 (23%)	2,050,000 (30%)
One Family	6,720 (58%)	39,500 (59%)	4,020,000 (59%)
Other	2,500 (22%)	12,000 (18%)	750,000 (11%)

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Table 9.2.39 Heston economic baseline data

Measure	Heston	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	26,800	143,000	12,400,000
Economic Activity			
Economically Active	18,300 (68%)	103,000 (72%)	8,910,000 (72%)
Unemployed	1,440 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	5,170 (18%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	9,880 (35%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	8,610 (30%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	4,790 (17%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	5,610 (34%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	4,940 (30%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	5,940 (36%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	8,350 (72%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	3,200 (28%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.40 Heston community facilities data

Map ref.	Name	Description of facility
PS21	Berkeley Primary School	State-funded primary school
PS36	The Rosary Catholic Primary School	State-funded primary school
PS40	Norwood Green Junior School	State-funded primary school
PS26	Westbrook Primary School	State-funded primary school
PS39	Heston Primary School	State-funded primary school
SS8	Lampton Academy	State-funded secondary school
PS41	Edison Primary School	State-funded primary school

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Map ref.	Name	Description of facility
PS31	Norwood Green Infant and Nursery School	State-funded primary school
PS16	Springwell Junior School	State-funded primary school
PS17	Springwell Infant and Nursery School	State-funded primary school
PS18	Wellington Primary School	State-funded primary school
SS9	Heston Community School	State-funded secondary school
EC22	Hounslow Library	Public library
EC14	Heston Library	Public library
N19	Nursery on the Green	Nursery
N14	Little Cherubs Day Nursery	Nursery
N15	Kinderoos Nursery	Nursery
SC6	Vicarage Farm Care Home	Care centre for the elderly
C21	Heston Village Hall	Community hall
C22	Heston Royal British Legion Hall	Community hall owned by local Royal British Legion
C29	Heston Community Centre	Community centre
C31	Hounslow Conservative Club/Hounslow Sports and Social Club	Community and sports centre with venue for hire
C32	Sutton Lane Community Centre	Community centre
LB18	Brabazon Road Post Office	Post Office
LB22	Heston Post Office	Post Office
PW42	St Paul's Church	Church of England church
PW44	Lakshmi Narayan Temple	Hindu Temple
PW45	St Leonard's Church	Church of England church
PW46	Heston Methodist Church	Methodist church
PW30	Darussalam Mosque	Mosque and Islamic cultural centre
PW31	Heston United Reformed Church	Evangelical Protestant church
PW32	All Saints Church	Evangelical Protestant church
GP19	Skyways Medical Centre	GP surgery
GP20	Dr. K M Singh	GP surgery
GP21	Heston Health Centre	GP surgery

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Map ref.	Name	Description of facility
GP25	The Crosslands Surgery	GP surgery
D19	Heston Health Clinic Dentists	Dental surgery
D20	Smile 32 Dentist	Dental surgery
D11	CareDental Smile Studios	Dental surgery
D12	Toothsome Dentists	Dental surgery
D13	Ghuri Dental Surgery	Dental surgery
D14	Badenhorst & Associates Dental Surgery	Dental surgery
PH18	Jade Pharmacy	Pharmacy
PH19	Medico Pharmacy	Pharmacy
S20	David Lloyd Sports Centre	Sports centre with gym, swimming pool, tennis courts etc
S21	Airlinks Golf Club	Private golf course
S22	Hounslow Sports and Social Club	Sports and community centre
S23	Heston Community School Sports Hall	School sports hall
S24	The Hounslow Dome	Badminton facility owned by Hounslow Badminton Association
S30	Hounslow Indoor Bowls Club	Indoor bowls club facilities
S31	Heston Pools and Fitness	Indoor swimming pools and fitness centre
OS184	Westbrook Road Allotments	Public allotments
OS185	Clunberry Avenue Green	Open, green space
OS186	Barnes Farm Allotments	Public allotments
OS187	Norwood Green School Grounds	School grounds and sports facilities
OS188	King's Arbour Park	Open, green space
OS156	Hounslow Bowls Club	Sports club grounds and facilities
OS158	New Brentford Cemetery	Public cemetery
OS159	Sutton Lane Allotments	Public allotments
OS160	Lampton Park	Open, green space
OS161	Hounslow Sports and Social Club	Sports club grounds and facilities
OS177	Claypole Drive MUGA	Public mixed-use games area
OS106	Brabazon Road Green	Open, green space

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Map ref.	Name	Description of facility
OS178	Sutton Lane Community Centre MUGA	Public mixed-use games area
OS107	Berkeley School Grounds	School grounds and sports facilities
OS179	Sutton Playing Field	Public open space/sports pitch and playground
OS108	Convent Way Green	Open, green space
OS180	Springwell School Grounds	School grounds and sports facilities
OS109	Airlinks Golf Course	Private golf course, now closed
OS181	Heston Park/Heston Sports and Leisure	Public park and sports facilities
OS182	St Leonard's Churchyard	Churchyard and cemetery
OS183	Heston Primary School/Community Sports Hall Grounds	School grounds and sports facilities
OS219	Lampton School Grounds	School grounds and sports facilities

1.11 Hounslow (Central and South)

Table 9.2.41 Hounslow (Central and South) demographic baseline data

Measure	Hounslow (Central and South)	Inner study area	London and the South East
Population			
Total Population	26,600	193,000	16,800,000
Population Growth (2001-2011)	4,990 (23%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	5,010 (19%)	41,000 (21%)	3,270,000 (19%)
16-74	20,200 (76%)	143,000 (74%)	12,400,000 (74%)
75+	1,360 (5%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	13,700 (52%)	98,200 (51%)	8,270,000 (49%)
Female	12,900 (48%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	10,700 (40%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	950 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	12,800 (48%)	83,700 (43%)	1,960,000 (12%)

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Measure	Hounslow (Central and South)	Inner study area	London and the South East
Black/Black British	1,220 (5%)	13,000 (7%)	1,220,000 (7%)
Other	910 (3%)	7,010 (4%)	332,000 (2%)
Main Language			
English	16,200 (64%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	9,980 (38%)	74,100 (38%)	9,120,000 (54%)
Hindu	5,310 (20%)	24,600 (13%)	504,000 (3%)
Muslim	3,850 (14%)	30,500 (16%)	1,210,000 (7%)
No Religion	2,730 (10%)	22,900 (12%)	4,080,000 (24%)
Self-Reported Health			
Good Health	22,700 (85%)	161,000 (83%)	14,100,000 (84%)
Fair Health	2,890 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	1,000 (4%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	3,290 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.42 Hounslow (Central and South) housing baseline data

Measure	Hounslow (Central and South)	Inner study area	London and the South East
Households			
Total Number of Households	9,330	67,300	6,820,000
Accommodation Type			
House	6,080 (64%)	46,300 (67%)	4,510,000 (64%)
Flats	3,440 (36%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	4,980 (53%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,110 (12%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	2,840 (30%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	310 (3%)	1,560 (2%)	81,400 (1%)
Living Rent Free	90 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			

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Measure	Hounslow (Central and South)	Inner study area	London and the South East
All Tenures	1,490 (16%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	410 (8%)	3,260 (9%)	126,000 (3%)
Privately Rented	880 (30%)	4,340 (26%)	197,000 (13%)
Social Rented	200 (18%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	2,140 (23%)	15,800 (23%)	2,050,000 (30%)
One Family	5,320 (57%)	39,500 (59%)	4,020,000 (59%)
Other	1,870 (20%)	12,000 (18%)	750,000 (11%)

Table 9.2.43 Hounslow (Central and South) economic baseline data

Measure	Hounslow (Central and South)	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	20,200	143,000	12,400,000
Economic Activity			
Economically Active	15,000 (74%)	103,000 (72%)	8,910,000 (72%)
Unemployed	910 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	3,030 (14%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	6,900 (32%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	8,320 (39%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	3,320 (15%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	5,680 (41%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	4,080 (30%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	4,050 (29%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	6,070 (65%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	3,260 (35%)	18,900 (28%)	2,020,000 (30%)

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Table 9.2.44 Hounslow (Central and South) community facilities data

Map ref.	Name	Description of facility
IS3	Oak Heights Independent School	Independent school
PS30	Hounslow Town Primary School	State-funded primary school
PS32	Spring Grove Primary School	State-funded primary school
PS38	Chatsworth Primary School	State-funded primary school
PS42	Alexandra Primary School	State-funded primary school
SN3	Oaklands School	State-funded special school
SS10	Kingsley Academy	State-funded secondary school
OS169	Hounslow Avenue Allotments	Public allotments
OS170	Gainsborough Gardens Allotments	Public allotments
OS171	Gainsborough Gardens Green	Public park
OS172	Whitton Dene Open Space	Green, open space
OS173	Chatsworth Primary School Grounds	School grounds and sports facilities
OS174	Kinglesey Avenue Park	Public park
OS175	Colwyn Crescent Green	Green, open space
OS176	The Highlands Open Space	Green, open space
OS162	WERFA Park	Public park, maintained by community organisation
OS163	Thornbury Playing Fields	Open space and sports facility
OS164	Farnell Road Green	Green, open space
OS165	Depot Road Allotments	Public allotments
OS166	Inwood Park	Public park
OS167	Stanley Road Allotments	Public allotments
OS168	Inwood Road Allotments	Public allotments
OS220	Kingsley Academy Grounds	School grounds and sports facilities
EC23	Hounslow Youth Centre	Council-owned youth centre
SC5	Voyage Care 177-179 Spring Grove Road	Care for young people with range of disabilities
S26	The Gym (London Hounslow)	Privately-run gym/fitness centre

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Map ref.	Name	Description of facility
S27	Gold's Gym	Privately-run gym/fitness centre
S29	Anytime Fitness	Privately-run gym/fitness centre
GP24	Hounslow Family Practice	GP practice
GP27	Spring Grove Medical Practice	GP practice
GP28	Cecil Road Surgery	GP practice
GP29	Firstcare Practice	GP practice
GP30	Redwood Practice, Maswell Park Health Centre	GP practice

1.12 Hounslow (West and Heath)

Table 9.2.45 Hounslow (West and Heath) demographic baseline data

Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Population			
Total Population	33,800	193,000	16,800,000
Population Growth (2001-2011)	6,680 (25%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	7,100 (21%)	41,000 (21%)	3,270,000 (19%)
16-74	25,300 (75%)	143,000 (74%)	12,400,000 (74%)
75+	1,390 (4%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	17,300 (51%)	98,200 (51%)	8,270,000 (49%)
Female	16,500 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	9,200 (27%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	1,150 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	19,700 (58%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	2,470 (7%)	13,000 (7%)	1,220,000 (7%)
Other	1,300 (4%)	7,010 (4%)	332,000 (2%)
Main Language			
English	18,400 (57%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			

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Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Christian	10,000 (30%)	74,100 (38%)	9,120,000 (54%)
Muslim	7,140 (21%)	30,500 (16%)	1,210,000 (7%)
Hindu	6,850 (20%)	24,600 (13%)	504,000 (3%)
Sikh	4,410 (13%)	26,000 (13%)	181,000 (1%)
Self-Reported Health			
Good Health	28,100 (83%)	161,000 (83%)	14,100,000 (84%)
Fair Health	3,950 (12%)	23,200 (12%)	1,950,000 (12%)
Bad Health	1,810 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	4,930 (15%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.46 Hounslow (West and Heath) housing baseline data

Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Households			
Total Number of Households	11,100	67,300	6,820,000
Accommodation Type			
House	6,810 (60%)	46,300 (67%)	4,510,000 (64%)
Flats	4,470 (40%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	4,720 (43%)	35,300 (52%)	3,980,000 (58%)
Social Rented	2,760 (25%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	3,200 (29%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	220 (2%)	1,560 (2%)	81,400 (1%)
Living Rent Free	160 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	2,310 (21%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	690 (14%)	3,260 (9%)	126,000 (3%)
Privately Rented	1,090 (32%)	4,340 (26%)	197,000 (13%)
Social Rented	520 (19%)	2,490 (18%)	175,000 (14%)
Household Composition			

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Measure	Hounslow (West and Heath)	Inner study area	London and the South East
One Person	2,420 (22%)	15,800 (23%)	2,050,000 (30%)
One Family	6,100 (55%)	39,500 (59%)	4,020,000 (59%)
Other	2,550 (23%)	12,000 (18%)	750,000 (11%)

Table 9.2.47 Hounslow (West and Heath) economic baseline data

Measure	Hounslow (West and Heath)	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	25,300	143,000	12,400,000
Economic Activity			
Economically Active	17,800 (70%)	103,000 (72%)	8,910,000 (72%)
Unemployed	1,290 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	4,680 (17%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	8,670 (32%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	8,620 (32%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	4,780 (18%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	5,290 (33%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	4,550 (28%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	6,300 (39%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	7,000 (63%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	4,070 (37%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.48 Hounslow (West and Heath) community facilities data

Map ref.	Name	Description of facility
PS33	Grove Road Primary School	State-funded primary school

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Map ref.	Name	Description of facility
PS20	Beavers Community Primary School	State-funded primary school
PS22	St Michael and St Martin RC Primary School	State-funded primary school
PS37	Orchard Primary School	State-funded primary school
SS7	The Heathland School	State-funded secondary school
IS2	Lady Nafisa Independent Secondary School for Girls	Independent school
PS13	Hounslow Heath Junior School	State-funded primary school
PS14	Hounslow Heath Infant and Nursery School	State-funded primary school
SS5	St Mark's Catholic School	State-funded secondary school
IS4	Suffah Primary School	Independent school
EC21	Midsummer Park Children's Centre	Council-run children's Sure Start centre
EC17	The Hub Library and Children's Centre	Community Hub
N7	The Co-Operative Childcare Hounslow	Nursery
N16	Midsummer Park Pre-School	Public pre-school
N17	Bambinos Montesori Nursery	Nursery
N18	Parkside Playgroup	Nursery in church hall
C24	The Hub Community Centre	Community centre
C33	Islamic Integration Community Centre	Islamic cultural and community centre
PW35	Jalaram Jupadi Virpur Dham Hounslow	Hindu Temple
PW36	Hounslow Central Mosque	Main mosque for Hounslow area
PW37	Emmanuel Baptist Church	Baptist church
PW38	Gurdwara Sri Guru Singh Sabha	Sikh temple for Hounslow area
PW39	Kingdon Hall Jehovah Witnesses	Jehovah Witnesses church
PW56	St Stephen's Church	Church of England church

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Map ref.	Name	Description of facility
PW57	St John's Mar Thoma Church	Church building, part of the Mar Thoma Church (originally based in India)
PW40	Unified Body of Christ Church International	Evangelical Protestant chapel
PW41	Ss Michael and Martin Catholic Church	Catholic church
PW43	Hounslow Gospel Hall	Evangelical Protestant chapel
PW47	Islamic Integration Community Centre	Islamic cultural and community centre with prayer rooms
PW17	Church of the Good Shepherd	Church of England church
PW34	Hounslow Methodist Church	Methodist church
GP18	Clifford Road Surgery	GP surgery
GP22	Heart of Hounslow Medical Centre	GP surgery
GP23	Hounslow Centre for Health	GP surgery
GP16	The Great West Surgery	GP surgery
GP17	The MWH Practice	GP surgery
D18	T J L Want Dentists	Dental surgery
D10	Hounslow West Dentists	Dental surgery
D15	Orthosmile Hounslow	Dental surgery
D16	Ealing and Hounslow PCT Community Dental Service	Dental surgery
D17	Mydentist Staines Road	Dental surgery
PH13	Boots Hounslow West	Pharmacy
PH17	Hobb's Pharmacy	Pharmacy
S19	Heathrow Gymnastics Club	Indoor sports hall
S28	Xercise4less Gym	Commercial gym
OS147	Midsummer Park and Playground	Public open space and playground
OS113	Beaversfield Park	Public open, green space
OS148	Cobbs Road Open Space	Public open space
OS149	The Orchard Primary School Grounds	School grounds and sports facilities
OS150	Grove Road Primary School Ground	School grounds and sports facilities

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Map ref.	Name	Description of facility
OS151	St Mark's Catholic School Grounds	School grounds and sports facilities
OS152	Maitland Close Playground	Children's playground
OS118	Hounslow Heath	Public open space and rights of way on Hounslow Heath
OS153	Logans Close Playground	Children's playground
OS154	St Michaels and St Martins Catholic School Grounds	School grounds and sports facilities
OS155	Maitland Close Open Space	Public open, green space
OS121	Open Space East of Clements Court	Public open, green space
OS157	Clements Court Playground	Children's playground
OS99	Green Lane Recreation Ground	Public open, green space
OS100	Hounslow Heath Golf Club	Golf course
OS101	Calvary Close	Public open, green space
OS27	Crane Meadows	Open space and public rights of way along Crane River
OS102	Chester Road Open Space	Public open, green space
OS103	Beavers School Grounds	School grounds and sports facilities
OS104	Aston Green	Public open, green space
OS105	Grantley Road	Public open, green space and playground
OS143	Heathland School Grounds	School grounds and sports facilities
OS144	Frampton Road Playspace	Children's playground
OS145	Vimy Close Playspace	Children's playground
OS146	Blackburn Way Playspace	Children's playground
OS221	Hounslow Heath School Grounds	School grounds and sports facilities

1.13 Feltham North

Table 9.2.49 Feltham North demographic baseline data

Measure	Feltham North	Inner study area	London and the South East
Population			

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Measure	Feltham North	Inner study area	London and the South East
Total Population	11,600	193,000	16,800,000
Population Growth (2001-2011)	1,990 (21%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	2,310 (20%)	41,000 (21%)	3,270,000 (19%)
16-74	8,480 (73%)	143,000 (74%)	12,400,000 (74%)
75+	780 (7%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	5,750 (50%)	98,200 (51%)	8,270,000 (49%)
Female	5,820 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	7,070 (61%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	460 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	3,080 (27%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	680 (6%)	13,000 (7%)	1,220,000 (7%)
Other	280 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	8,310 (75%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	5,950 (51%)	74,100 (38%)	9,120,000 (54%)
No Religion	1,950 (17%)	22,900 (12%)	4,080,000 (24%)
Muslim	1,270 (11%)	30,500 (16%)	1,210,000 (7%)
Hindu	920 (8%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	9,290 (80%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,600 (14%)	23,200 (12%)	1,950,000 (12%)
Bad Health	670 (6%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,930 (17%)	27,600 (14%)	2,510,000 (15%)

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Table 9.2.50 Feltham North housing baseline data

Measure	Feltham North	Inner study area	London and the South East
Households			
Total Number of Households	4,220	67,300	6,820,000
Accommodation Type			
House	3,100 (72%)	46,300 (67%)	4,510,000 (64%)
Flats	1,200 (28%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	2,490 (59%)	35,300 (52%)	3,980,000 (58%)
Social Rented	940 (22%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	680 (16%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	50 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	60 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	510 (12%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	210 (8%)	3,260 (9%)	126,000 (3%)
Privately Rented	160 (22%)	4,340 (26%)	197,000 (13%)
Social Rented	130 (14%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,060 (25%)	15,800 (23%)	2,050,000 (30%)
One Family	2,520 (60%)	39,500 (59%)	4,020,000 (59%)
Other	640 (15%)	12,000 (18%)	750,000 (11%)

Table 9.2.51 Feltham North economic baseline data

Measure	Feltham North	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	8,480	143,000	12,400,000
Economic Activity			
Economically Active	6,060 (71%)	103,000 (72%)	8,910,000 (72%)
Unemployed	360 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			

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Measure	Feltham North	Inner study area	London and the South East
No Formal Qualifications	2,410 (26%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	3,690 (40%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	1,950 (21%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,200 (13%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	1,500 (27%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	1,920 (34%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,200 (39%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	3,100 (73%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,120 (27%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.52 Feltham North community facilities data

Map Ref.	Name	Description of Facility
SS4	Space Studio West London	Studio school and sixth form specialising in skills, STEM and technical education
SS6	Rivers Academy West London	Secondary school academy and Sixth Form
PS15	Sparrow Farm Infant and Nursery School	State-funded nursery and infant school
PS19	Sparrow Farm Junior School	State-funded junior school
SC4	Coniston Lodge	Care centre providing a range of residential care including full nursing care, dementia care and care for people with mental health conditions
PW27	Salvation Army Church	Evangelical Christian chapel and charity centre run by the Salvation Army
PW28	Calvary Free Grace Baptist Church	Baptist church, Bedfont Lane
PW29	Southville Methodist Church	Methodist church, Bedfont Lane
C27	Feltham Assembly Hall	Community hall with meeting room, kitchen and bar

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Map Ref.	Name	Description of Facility
C28	Sparrow Farm Residents Association Club	Community centre, Sparrow Farm
GP13	Pentelow Practice	GP surgery
GP14	Carlton Surgery	GP surgery
GP15	Gill Medical Practice	GP surgery
P26	The Beehive	Pub
P27	The Green Man	Pub
D8	Feltham Park Dentists	Dentist surgery
D9	Feltham Dental Care	Dentist surgery
PH16	Boots Harlington Road West	Pharmacy
LB17	Harlington Road West Post Office	Post office branch
OS76	Hounslow Urban Farm	Urban farm and business
OS78	Hatton Cemetery	Public cemetery
OS87	Rivers Academy Playing Field	School grass playing fields and basketball courts
OS90	Blenheim Park	Public park and playing fields
OS91	Feltham Park	Public park with grass pitches, tennis courts, basketball courts, bowling green, playground, pond and Feltham Assembly Hall buildings/facilities
OS92	Glebelands Playing Fields	Public park and playing fields, including riverside path and former Feltham Arena
OS93	Brainton Ave Open Space	Public park and green
OS94	Sparrow Farm open space	Open green spaces in housing estate
OS95	Viola Ave Allotments	Public allotments
OS96	Sparrow Farm school grounds	School grounds and playing fields
OS97	Hatton Green	Small open space in housing courtyard
OS98	Heron Road Allotments	Public allotments

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**1.14 Bedfont**

Table 9.2.53 Bedfont demographic baseline data

Measure	Bedfont	Inner study area	London and the South East
Population			
Total Population	12,700	193,000	16,800,000
Population Growth (2001-2011)	2,600 (26%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	2,820 (22%)	41,000 (21%)	3,270,000 (19%)
16-74	9,160 (72%)	143,000 (74%)	12,400,000 (74%)
75+	720 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	6,270 (49%)	98,200 (51%)	8,270,000 (49%)
Female	6,430 (51%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	8,170 (64%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	480 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	2,930 (23%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	860 (7%)	13,000 (7%)	1,220,000 (7%)
Other	270 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	9,500 (79%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	6,360 (50%)	74,100 (38%)	9,120,000 (54%)
No Religion	2,600 (20%)	22,900 (12%)	4,080,000 (24%)
Muslim	1,330 (10%)	30,500 (16%)	1,210,000 (7%)
Hindu	750 (6%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	10,400 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,600 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	650 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	1,970 (15%)	27,600 (14%)	2,510,000 (15%)

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Table 9.2.54 Bedfont housing baseline data

Measure	Bedfont	Inner study area	London and the South East
Households			
Total Number of Households	4,860	67,300	6,820,000
Accommodation Type			
House	3,370 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	1,680 (33%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	2,340 (48%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,310 (27%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	780 (16%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	360 (7%)	1,560 (2%)	81,400 (1%)
Living Rent Free	50 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	500 (10%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	190 (7%)	3,260 (9%)	126,000 (3%)
Privately Rented	150 (17%)	4,340 (26%)	197,000 (13%)
Social Rented	170 (13%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,330 (27%)	15,800 (23%)	2,050,000 (30%)
One Family	2,920 (60%)	39,500 (59%)	4,020,000 (59%)
Other	610 (13%)	12,000 (18%)	750,000 (11%)

Table 9.2.55 Bedfont economic baseline data

Measure	Bedfont	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	9,160	143,000	12,400,000
Economic Activity			
Economically Active	6,750 (74%)	103,000 (72%)	8,910,000 (72%)
Unemployed	450 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			

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Measure	Bedfont	Inner study area	London and the South East
No Formal Qualifications	2,370 (24%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	4,320 (44%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	1,990 (20%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	1,200 (12%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	1,780 (29%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,160 (35%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,290 (37%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	3,620 (75%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,240 (25%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.56 Bedfont community facilities data

Map ref.	Name	Description of facility
PS12	Bedfont Primary School	State-funded primary school
PS29	Fairholme Primary School	State-funded primary school
SN1	Marjory Kinnon School	State-funded special school
C19	St Mary's Church Hall Bedfont	Church hall
C20	Stoney Wall Community Centre	Community centre, currently closed
C23	Bedfont and Hatton Royal British Legion	Community hall and British Legion club
C25	Southville Community Centre	Community centre with children's centre
C26	Bedfont Public Hall	Community hall with nursery
N11	Bumbles Preschool	Nursery and pre-school
N12	The Alphabet Pre-School	Nursery and pre-school based in Bedfont Public Hall
N13	Little Dreams Day Nursery	Nursery
EC15	Bedfont library	Public library

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Map ref.	Name	Description of facility
EC18	Southville Youth and Children's Centre	Children's, youth and Sure Start centre based in Southville Community Centre
LB16	Bedfont Post Office	Post office branch
PW25	St Mary's Church Bedfont	Church of England parish church and churchyard
PW26	Airport Church Revival Centre	Evangelical Christian chapel
PW33	Bethany Church	Evangelical Protestant church
GP10	Hatton Medical Practice	GP Surgery
GP11	Bedfont Clinic	GP Surgery
GP12	Grove Village Medical Centre	GP Surgery
PH14	Boots Bedfont	Pharmacy
PH15	Edwards and Taylor	Pharmacy
D6	Bedfont Green Dental Practice	Dentist surgery
D7	Ealing and Hounslow PCT Community Dental Service	Dentist surgery
S17/OS80	Bedfont Recreation Grounds	Public outdoor sports ground with football and cricket pitches, tennis courts, pavilion and changing rooms
S18	Bedfont & Feltham Football & Social Club	Outdoor, club-owned football club and buildings with pavilion and changing rooms
P23	The Bell on the Green	Pub
P24	The Duke of Wellington	Pub
P25	The Load of Hay	Pub
OS74	Bedfont Lakes Country Park	Lakeland and nature reserve open to public
OS75	Bedfont Cemetery	Public cemetery
OS77	Southville Green	Open green space in housing estates
OS79	Hatton Road Allotments	Public allotments
OS81	Heathrow Biodiversity Site – Cain's Lane	Publicly accessible Heathrow biodiversity site
OS82	Heathrow Biodiversity Site – Two Bridges	Publicly accessible Heathrow biodiversity site
OS83	Bedfont Lake open space	Open, publicly accessible fields
OS84	Bedfont Green	Open green space
OS85	Fairholme Green	Open green space in housing estate

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Map ref.	Name	Description of facility
OS86	Bedfont Close Green	Open green space
OS88	East Bedfont Lake open space	Open, publicly accessible meadow
OS89	Cage Park	Open green space with playground

1.15 Stanwell

Table 9.2.57 Stanwell demographic baseline data

Measure	Stanwell	Inner study area	London and the South East
Population			
Total Population	14,600	193,000	16,800,000
Population Growth (2001-2011)	1,040 (8%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	2,970 (20%)	41,000 (21%)	3,270,000 (19%)
16-74	10,600 (73%)	143,000 (74%)	12,400,000 (74%)
75+	950 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	7,290 (50%)	98,200 (51%)	8,270,000 (49%)
Female	7,260 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	11,400 (79%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	400 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	2,090 (14%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	430 (3%)	13,000 (7%)	1,220,000 (7%)
Other	200 (1%)	7,010 (4%)	332,000 (2%)
Main Language			
English	12,400 (89%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	8,760 (60%)	74,100 (38%)	9,120,000 (54%)
No Religion	3,160 (22%)	22,900 (12%)	4,080,000 (24%)
Sikh	550 (4%)	26,000 (13%)	181,000 (1%)
Muslim	470 (3%)	30,500 (16%)	1,210,000 (7%)

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Measure	Stanwell	Inner study area	London and the South East
Self-Reported Health			
Good Health	11,900 (82%)	161,000 (83%)	14,100,000 (84%)
Fair Health	1,900 (13%)	23,200 (12%)	1,950,000 (12%)
Bad Health	720 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	2,280 (16%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.58 Stanwell housing baseline data

Measure	Stanwell	Inner study area	London and the South East
Households			
Total Number of Households	5,840	67,300	6,820,000
Accommodation Type			
House	4,170 (69%)	46,300 (67%)	4,510,000 (64%)
Flats	1,860 (31%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	3,490 (60%)	35,300 (52%)	3,980,000 (58%)
Social Rented	1,350 (23%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	760 (13%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	180 (3%)	1,560 (2%)	81,400 (1%)
Living Rent Free	60 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	400 (7%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	170 (5%)	3,260 (9%)	126,000 (3%)
Privately Rented	110 (13%)	4,340 (26%)	197,000 (13%)
Social Rented	140 (10%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	1,680 (29%)	15,800 (23%)	2,050,000 (30%)
One Family	3,550 (61%)	39,500 (59%)	4,020,000 (59%)
Other	610 (10%)	12,000 (18%)	750,000 (11%)

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Table 9.2.59 Stanwell economic baseline data

Measure	Stanwell	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	10,600	143,000	12,400,000
Economic Activity			
Economically Active	8,020 (75%)	103,000 (72%)	8,910,000 (72%)
Unemployed	460 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	2,860 (25%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	5,510 (48%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	2,320 (20%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	890 (8%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	2,500 (33%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	2,637 (35%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	2,370 (32%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	4,750 (81%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	1,090 (19%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.60 Stanwell community facilities data

Map ref.	Name	Description of facility
PS11	Stanwell Fields CofE Primary School	State-funded primary school
PS28	Town Farm Primary School and Nursery	State-funded primary school and nursery
SS3	Thomas Knyvett College	State-funded secondary school
IS1	St. James Senior Boys' School	Independent school for boys
RU1	Fordway Centre	Pupil Referral Unit

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Map ref.	Name	Description of facility
C14/GP9	Stanwell Health and Community Centre	Community hub with health centre, GP practice (St. David's Family Practice), library, and café
C15	Stanwell Rose Community Centre	Community centre
C18	Stanwell Village Hall	Community hall
N8	Mini Tots Daycare	Nursery
N10	First Start Day Nursery	Nursery
SC1	Church View Care Home	Nursing home for long- and short-term care and respite services for carers
SC3	Ashford House Care Centre	Residential care for the elderly and people with dementia
LB14	Stanwell Post Office	Post Office Branch
LB15	Clare Road Post Office	Post Office Branch
PW19	St Mary the Virgin	Church of England parish church and churchyard
PW20	St David's Catholic Church	Catholic church
PW21	Stanwell Congregational Church	Evangelical Protestant church
PW22	Stanwell Cemetery Chapel	Cemetery chapel
PW23	Ashford Burial Ground Chapel	Cemetery chapel
PW24/C17	Ashford Mosque	Mosque and Islamic cultural/community centre
GP8	Ashford Health Centre	GP practice
PH10	Herman Pharmacy	Pharmacy
PH11	Herman Pharmacy	Pharmacy
PH12	Tesco Pharmacy	Pharmacy
D5	Stanwell Dental Practice	Dentist surgery
S11	Ashford Sports Club	Sports grounds with cricket and football pitches, games courts and club house/pavilion
S12	Ashford Town (Middlesex) FC Grounds	Football club grounds with grass pitch, changing rooms and stands
S13	Long Lane Recreation Ground	Playing courts, skate park, changing rooms, grass pitches
S15	Stanwell Recreation Ground Facilities	Tennis courts, bowling green, cricket pitch, bowling club building
P18	The Wheatsheaf	Pub
P19	The Swan Inn	Pub

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Map ref.	Name	Description of facility
P20	The Five Bells	Pub
P21	The Rising Sun	Pub
P22	The Sir John Gibson	Pub
OS43	Ashford Cemetery	Public cemetery
OS44	Ashford Sports Club Grounds	Sports pitches and clubhouse facilities
OS45	Ashford Town (Middlesex) FC Grounds	Football pitch, stands and clubhouse
OS46	Long Lane Recreation Ground	Open, green space with playground, skate park and tennis/basketball courts
OS47	Stanwell Fields Primary School Grounds	School grounds and sports fields
OS48	Victory Close Green & Playground	Open space and children's playground
OS49	Stanwell Village Park	Open, green space and children's playground
OS50	Stanwell Recreation Ground	Open, green space, children's playground, tennis courts and bowling green
OS51	Heathrow Biodiversity Site - Oaks Road	Biodiversity site with public pathways
OS52	Selwood Gardens Green	Open, green space
OS53	Nuthatch Close Playground	Children's playground
OS54	Lauser Road Park (Town Lane)	Open, green space
OS55	Stanwell Cemetery	Public cemetery
OS56	Stanwell Cemetery Allotments	Council-owned allotments
OS57	Town Farm Primary School Grounds	School grounds and sports fields
OS58	Clyde Road Park	Open, green space
OS60	Stanwell Village Green	Open, green space
OS61	Comet Road Green	Open, green space
OS62	Mulberry Ave/Holywell Way Green	Open, green space
OS63	Cambria Gardens Green	Open, green space
OS64	Eddystone Walk Green	Open, green space
OS65	Hadrian Way Green	Open, green space
OS66	Elsinore Avenue Green	Open, green space

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Map ref.	Name	Description of facility
OS67	Caledonia Road Green	Open, green space
OS68	Diamedes Avenue Green	Open, green space
OS69	Jordans Close Green	Open, green space
OS70	Staines Reservoir	Open lake and SSSI, open to public including birdwatchers

1.16 Stanwell Moor

Table 9.2.61 Stanwell Moor demographic baseline data

Measure	Stanwell Moor	Inner study area	London and the South East
Population			
Total Population	1,370	193,000	16,800,000
Population Growth (2001-2011)	30 (2%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	250 (18%)	41,000 (21%)	3,270,000 (19%)
16-74	1,080 (79%)	143,000 (74%)	12,400,000 (74%)
75+	40 (3%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	700 (51%)	98,200 (51%)	8,270,000 (49%)
Female	680 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,080 (78%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	50 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	190 (14%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	30 (2%)	13,000 (7%)	1,220,000 (7%)
Other	30 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,200 (90%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	800 (58%)	74,100 (38%)	9,120,000 (54%)
No Religion	280 (21%)	22,900 (12%)	4,080,000 (24%)
Sikh	80 (6%)	26,000 (13%)	181,000 (1%)

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Measure	Stanwell Moor	Inner study area	London and the South East
Hindu	60 (5%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	1,170 (85%)	161,000 (83%)	14,100,000 (84%)
Fair Health	130 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	70 (5%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	160 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.62 Stanwell Moor housing baseline data

Measure	Stanwell Moor	Inner study area	London and the South East
Households			
Total Number of Households	550	67,300	6,820,000
Accommodation Type			
House	490 (84%)	46,300 (67%)	4,510,000 (64%)
Flats	90 (16%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	400 (73%)	35,300 (52%)	3,980,000 (58%)
Social Rented	40 (7%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	100 (19%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	6 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	4 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	40 (8%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	20 (5%)	3,260 (9%)	126,000 (3%)
Privately Rented	10 (13%)	4,340 (26%)	197,000 (13%)
Social Rented	7 (19%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	130 (23%)	15,800 (23%)	2,050,000 (30%)
One Family	370 (68%)	39,500 (59%)	4,020,000 (59%)
Other	50 (9%)	12,000 (18%)	750,000 (11%)

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Table 9.2.63 Stanwell Moor economic baseline data

Measure	Stanwell Moor	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,080	143,000	12,400,000
Economic Activity			
Economically Active	840 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	30 (4%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	230 (21%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	600 (53%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	200 (18%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	90 (8%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	230 (29%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	320 (40%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	250 (31%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	510 (93%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	40 (7%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.64 Stanwell Moor community facilities data

Map ref.	Name	Description of facility
LB13	Stanwell Moor Post Office	Post office branch
C16	Stanwell Moor Village Hall	Community hall
PW18	Faith in God Ministries	Evangelical Christian church based in Stanwell Moor Village Hall
S14/OS42	Stanwell Moor Recreation Ground	Open green space with grass pitches, playground and basketball court
P17	The Anchor	Pun
OS59	The Vineries Allotments	Public allotments
OS71	King George VI Reservoir	Open water

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Map ref.	Name	Description of facility
OS72	Hithermoor Road Green	Green space in housing estate
OS73	Hithermoor Lake	Publically accessible fish ponds and open space

1.17 Poyle

Table 9.2.65 Poyle demographic baseline data

Measure	Poyle	Inner study area	London and the South East
Population			
Total Population	1,730	193,000	16,800,000
Population Growth (2001-2011)	260 (17%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	290 (17%)	41,000 (21%)	3,270,000 (19%)
16-74	1,380 (80%)	143,000 (74%)	12,400,000 (74%)
75+	60 (3%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	910 (53%)	98,200 (51%)	8,270,000 (49%)
Female	820 (47%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,010 (58%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	60 (3%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	660 (32%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	80 (5%)	13,000 (7%)	1,220,000 (7%)
Other	40 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,290 (78%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	790 (46%)	74,100 (38%)	9,120,000 (54%)
No Religion	290 (16%)	22,900 (12%)	4,080,000 (24%)
Sikh	250 (14%)	26,000 (13%)	181,000 (1%)
Muslim	170 (10%)	30,500 (16%)	1,210,000 (7%)
Self-Reported Health			

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Measure	Poyle	Inner study area	London and the South East
Good Health	1,500 (87%)	161,000 (83%)	14,100,000 (84%)
Fair Health	190 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	40 (2%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	175 (10%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.66 Poyle housing baseline data

Measure	Poyle	Inner study area	London and the South East
Households			
Total Number of Households	720	67,300	6,820,000
Accommodation Type			
House	500 (68%)	46,300 (67%)	4,510,000 (64%)
Flats	240 (32%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	400 (55%)	35,300 (52%)	3,980,000 (58%)
Social Rented	20 (3%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	300 (41%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	5 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	1 (0%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	80 (11%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	30 (7%)	3,260 (9%)	126,000 (3%)
Privately Rented	50 (16%)	4,340 (26%)	197,000 (13%)
Social Rented	3 (14%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	230 (32%)	15,800 (23%)	2,050,000 (30%)
One Family	420 (58%)	39,500 (59%)	4,020,000 (59%)
Other	70 (10%)	12,000 (18%)	750,000 (11%)

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Table 9.2.67 Poyle economic baseline data

Measure	Poyle	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,380	143,000	12,400,000
Economic Activity			
Economically Active	1,120 (81%)	103,000 (72%)	8,910,000 (72%)
Unemployed	70 (6%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	220 (15%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	670 (47%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	360 (25%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	190 (13%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	330 (32%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	350 (33%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	370 (35%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	630 (87%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	90 (13%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.68 Poyle community facilities data

Map ref.	Name	Description of facility
PS25	Pippins School	State-funded primary school
P10	The Punch Bowl	Pub
OS33	Pippins Park	Public park with playground, tennis court and basketball court
OS34	Albany Park	Public open space and garden
OS41	Colnbrook Golf Driving Range	Golf driving range, now closed
OS224	Orlitts Lake	Lake used for fishing, includes visitor centre
OS225	Old Slade Lake	Lake used for fishing

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Map ref.	Name	Description of facility
OS226	Colnbrook West Lake	Lake used for fishing
OS227	Richings Park Shooting Club	Shooting club grounds, accessed by Old Slade Lane, Richings Park

1.18 Colnbrook

Table 9.2.69 Colnbrook demographic baseline data

Measure	Colnbrook	Inner study area	London and the South East
Population			
Total Population	1,840	193,000	16,800,000
Population Growth (2001-2011)	90 (5%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	390 (21%)	41,000 (21%)	3,270,000 (19%)
16-74	1,390 (76%)	143,000 (74%)	12,400,000 (74%)
75+	60 (3%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	930 (51%)	98,200 (51%)	8,270,000 (49%)
Female	910 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,350 (74%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	70 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	270 (15%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	110 (6%)	13,000 (7%)	1,220,000 (7%)
Other	30 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,450 (84%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	1,010 (55%)	74,100 (38%)	9,120,000 (54%)
No Religion	390 (21%)	22,900 (12%)	4,080,000 (24%)
Muslim	150 (8%)	30,500 (16%)	1,210,000 (7%)
Sikh	100 (5%)	26,000 (13%)	181,000 (1%)

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Measure	Colnbrook	Inner study area	London and the South East
Self-Reported Health			
Good Health	1,530 (83%)	161,000 (83%)	14,100,000 (84%)
Fair Health	210 (11%)	23,200 (12%)	1,950,000 (12%)
Bad Health	100 (6%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	240 (13%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.70 Colnbrook housing baseline data

Measure	Colnbrook	Inner study area	London and the South East
Households			
Total Number of Households	850	67,300	6,820,000
Accommodation Type			
House	480 (55%)	46,300 (67%)	4,510,000 (64%)
Flats	390 (45%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	290 (34%)	35,300 (52%)	3,980,000 (58%)
Social Rented	220 (26%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	290 (34%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	40 (5%)	1,560 (2%)	81,400 (1%)
Living Rent Free	7 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	80 (9%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	9 (3%)	3,260 (9%)	126,000 (3%)
Privately Rented	50 (15%)	4,340 (26%)	197,000 (13%)
Social Rented	20 (11%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	340 (40%)	15,800 (23%)	2,050,000 (30%)
One Family	440 (52%)	39,500 (59%)	4,020,000 (59%)
Other	70 (8%)	12,000 (18%)	750,000 (11%)

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Table 9.2.71 Colnbrook economic baseline data

Measure	Colnbrook	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,390	143,000	12,400,000
Economic Activity			
Economically Active	1,070 (77%)	103,000 (72%)	8,910,000 (72%)
Unemployed	80 (7%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	290 (20%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	660 (46%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	320 (22%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	180 (12%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	360 (36%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	310 (32%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	320 (32%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	670 (80%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	170 (20%)	18,900 (28%)	2,020,000 (30%)

Table 9.2.72 Colnbrook community facilities data

Map ref.	Name	Description of facility
PS24	Colnbrook Church of England Primary School	State-funded primary school
EC9	Vicarage Way Children's Centre and Library	Children's centre and public library
C8	Colnbrook Village Hall	Village hall and community centre
LB11	Colnbrook Post Office	Post office branch
PW8	Colnbrook and Poyle United Reform Church	Methodist church
PW9	Colnbrook Baptist Chapel	Baptist church

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Map ref.	Name	Description of facility
PW10	St. Thomas's Church	Church of England parish church and churchyard
GP5	Dr. Adam NS and Partners	GP surgery
PH8	Colnbrook Pharmacy	PH8
P7	The Queen's Arms	Pub
P8	The Ostrich Inn	Pub
P9	Ye Olde George	Pub
OS35	Colnbrook Recreation Ground	Public park with playground and grass pitch
OS137	St Thomas's Quiet Garden	Small garden behind church

1.19 Brands Hill

Table 9.2.73 Brands Hill demographic baseline data

Measure	Brands Hill	Inner study area	London and the South East
Population			
Total Population	2,590	193,000	16,800,000
Population Growth (2001-2011)	400 (18%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	610 (23%)	41,000 (21%)	3,270,000 (19%)
16-74	1,930 (74%)	143,000 (74%)	12,400,000 (74%)
75+	60 (2%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	1,330 (51%)	98,200 (51%)	8,270,000 (49%)
Female	1,270 (49%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,270 (49%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	120 (4%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	910 (35%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	230 (9%)	13,000 (7%)	1,220,000 (7%)
Other	70 (3%)	7,010 (4%)	332,000 (2%)
Main Language			
English	1,850 (76%)	126,000 (68%)	13,900,000 (86%)

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Measure	Brands Hill	Inner study area	London and the South East
Religion (top 4)			
Christian	1,220 (47%)	74,100 (38%)	9,120,000 (54%)
Muslim	400 (15%)	30,500 (16%)	1,210,000 (7%)
Sikh	330 (13%)	26,000 (13%)	181,000 (1%)
No Religion	310 (12%)	22,900 (12%)	4,080,000 (24%)
Self-Reported Health			
Good Health	2,250 (87%)	161,000 (83%)	14,100,000 (84%)
Fair Health	270 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	80 (3%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	260 (10%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.74 Brands Hill housing baseline data

Measure	Brands Hill	Inner study area	London and the South East
Households			
Total Number of Households	970	67,300	6,820,000
Accommodation Type			
House	660 (67%)	46,300 (67%)	4,510,000 (64%)
Flats	330 (33%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	520 (53%)	35,300 (52%)	3,980,000 (58%)
Social Rented	130 (13%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	310 (32%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	9 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	6 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	90 (10%)	10,100 (15%)	498,000 (7%)
Owner-Occupied	30 (6%)	3,260 (9%)	126,000 (3%)
Privately Rented	40 (14%)	4,340 (26%)	197,000 (13%)
Social Rented	20 (16%)	2,490 (18%)	175,000 (14%)

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Measure	Brands Hill	Inner study area	London and the South East
Household Composition			
One Person	250 (26%)	15,800 (23%)	2,050,000 (30%)
One Family	580 (60%)	39,500 (59%)	4,020,000 (59%)
Other	140 (14%)	12,000 (18%)	750,000 (11%)

Table 9.2.75 Brands Hill economic baseline data

Measure	Brands Hill	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,930	143,000	12,400,000
Economic Activity			
Economically Active	1,500 (78%)	103,000 (72%)	8,910,000 (72%)
Unemployed	120 (8%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	320 (16%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	870 (44%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	520 (26%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	280 (14%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	420 (31%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	440 (33%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	490 (36%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	810 (84%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	160 (16%)	18,900 (28%)	2,020,000 (30%)

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Table 9.2.76 Brands Hill community facilities data

Map ref.	Name	Description of facility
C9	Westfield Estate Community Centre	Small council-owned community centre
LB10	Brands Hill Post Office	Post Office branch
LB21	Colnbrook Special Needs Farm	Small animal farm in grounds owned by business, open to public
OS36	Crown Meadow	Public open green space
OS37	Crown Meadow Green	Small green in housing estate
OS38	Severn Crescent tennis court	MUGA, playground, basketball court
OS39	Severn Crescent green	Small green in housing estate
OS40	Trent Road green	Small green in housing estate

1.20 Iver and Richings Park

Table 9.2.77 Iver and Richings Park demographic baseline data

Measure	Iver and Richings Park	Inner study area	London and the South East
Population			
Total Population	2,350	193,000	16,800,000
Population Growth (2001-2011)	340 (17%)	30,600 (19%)	1,640,000 (11%)
Age Profile			
0-15	420 (18%)	41,000 (21%)	3,270,000 (19%)
16-74	1,790 (76%)	143,000 (74%)	12,400,000 (74%)
75+	150 (6%)	9,440 (5%)	1,150,000 (7%)
Gender			
Male	1,190 (50%)	98,200 (51%)	8,270,000 (49%)
Female	1,170 (50%)	95,200 (49%)	8,540,000 (51%)
Self-Identified Ethnicity			
White	1,500 (64%)	82,900 (43%)	12,700,000 (76%)
Mixed/Multiple	50 (2%)	6,810 (4%)	573,000 (3%)
Asian/Asian British	730 (31%)	83,700 (43%)	1,960,000 (12%)
Black/Black British	30 (1%)	13,000 (7%)	1,220,000 (7%)

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Measure	Iver and Richings Park	Inner study area	London and the South East
Other	50 (2%)	7,010 (4%)	332,000 (2%)
Main Language			
English	2,060 (91%)	126,000 (68%)	13,900,000 (86%)
Religion (top 4)			
Christian	1,140 (48%)	74,100 (38%)	9,120,000 (54%)
Sikh	440 (19%)	26,000 (13%)	181,000 (1%)
No Religion	350 (15%)	22,900 (12%)	4,080,000 (24%)
Hindu	180 (8%)	24,600 (13%)	504,000 (3%)
Self-Reported Health			
Good Health	2,070 (88%)	161,000 (83%)	14,100,000 (84%)
Fair Health	230 (10%)	23,200 (12%)	1,950,000 (12%)
Bad Health	60 (3%)	9,400 (5%)	780,000 (5%)
Disability and Long-Term Health Problems			
Day-to-day activities limited	280 (12%)	27,600 (14%)	2,510,000 (15%)

Table 9.2.78 Iver and Richings Park housing baseline data

Measure	Iver and Richings Park	Inner study area	London and the South East
Households			
Total Number of Households	800	67,300	6,820,000
Accommodation Type			
House	740 (89%)	46,300 (67%)	4,510,000 (64%)
Flats	90 (11%)	22,700 (33%)	2,560,000 (36%)
Accommodation Tenure			
Owner-Occupied	680 (85%)	35,300 (52%)	3,980,000 (58%)
Social Rented	20 (2%)	13,800 (20%)	1,270,000 (19%)
Privately Rented	90 (11%)	15,900 (24%)	1,400,000 (20%)
Shared Ownership	5 (1%)	1,560 (2%)	81,400 (1%)
Living Rent Free	9 (1%)	790 (1%)	88,400 (1%)
Levels of Over-Crowding (bedrooms, occupancy rating of -1 or less)			
All Tenures	30 (3%)	10,100 (15%)	498,000 (7%)

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Measure	Iver and Richings Park	Inner study area	London and the South East
Owner-Occupied	20 (2%)	3,260 (9%)	126,000 (3%)
Privately Rented	7 (7%)	4,340 (26%)	197,000 (13%)
Social Rented	1 (6%)	2,490 (18%)	175,000 (14%)
Household Composition			
One Person	130 (16%)	15,800 (23%)	2,050,000 (30%)
One Family	570 (70%)	39,500 (59%)	4,020,000 (59%)
Other	110 (13%)	12,000 (18%)	750,000 (11%)

Table 9.2.79 Iver and Richings Park economic baseline data

Measure	Iver and Richings Park	Inner study area	London and the South East
Working Age Residents			
Total Number of Working Age Residents	1,790	143,000	12,400,000
Economic Activity			
Economically Active	1,340 (75%)	103,000 (72%)	8,910,000 (72%)
Unemployed	50 (4%)	7,060 (7%)	535,000 (6%)
Highest Level of Qualification			
No Formal Qualifications	260 (13%)	29,700 (20%)	2,490,000 (18%)
GCSEs and A Level equivalent	880 (45%)	57,500 (38%)	5,470,000 (40%)
Further and Higher Education	660 (34%)	42,800 (28%)	4,560,000 (34%)
Other Qualifications	140 (7%)	22,400 (15%)	1,020,000 (8%)
Occupation			
Management / Professional / Technical	660 (52%)	31,000 (33%)	3,920,000 (47%)
Admin / Skilled Trades / Services	410 (32%)	29,300 (31%)	2,470,000 (30%)
Sales / Process / Elementary	200 (16%)	33,500 (36%)	1,860,000 (23%)
Car or Van Availability			
1+ Car/Van Available	760 (95%)	48,400 (72%)	4,800,000 (70%)
No Car/Van Available	40 (5%)	18,900 (28%)	2,020,000 (30%)

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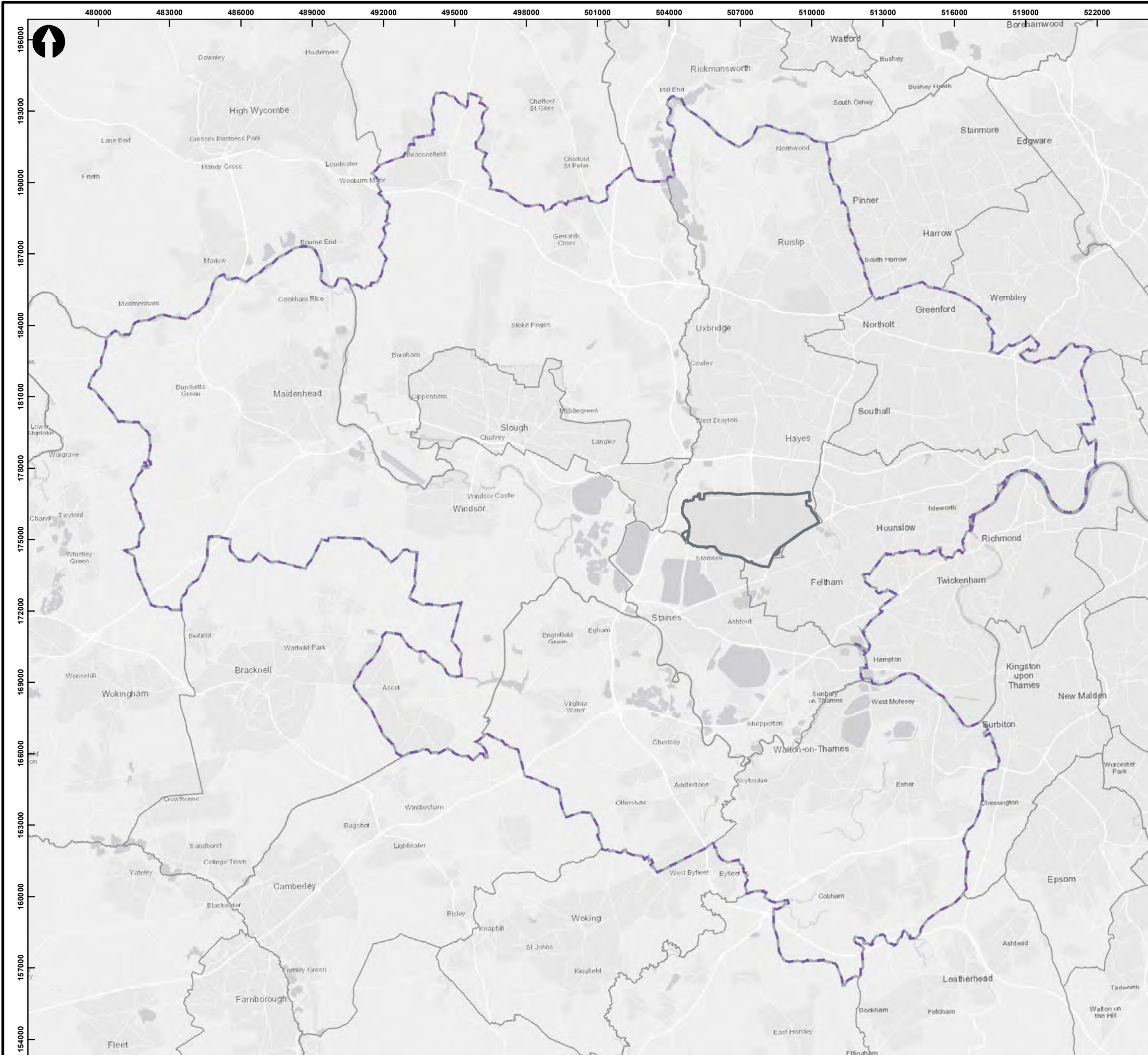
Table 9.2.80 Iver and Richings Park community facilities data

Map ref.	Name	Description of facility
PW49	St Leonard's Church Richings Park	Church of England parish church
PW51	St Andrew's United Reformed Church	Presbyterian church
LB23	Richings Park Post Office	Post office
S25	Richings Sports Park	Sports club and leisure centre with clubhouse
OS124	Thorney Park Golf Club	Golf course
OS212	Richings Sports Park	Sports fields and sports centre
OS128	Richings Park Golf Course	Golf course
OS213	Thorney Country Park	Nature reserve and lake in Colne Valley Regional Park
OS214	Huntsmoor Park	Public open green space
OS215	Huntsmoor Park Farm	Stud farm
OS216	Farlows Lake	Nature reserve and lake in Colne Valley Regional Park
OS217	Thorney Weir/Mets Lake	Nature reserve and lake in Colne Valley Regional Park
OS222	St Leonard's Mound	Wooded area by St Leonard's Church
OS223	St Leonard's Churchyard	Grounds of St Leonard's Church

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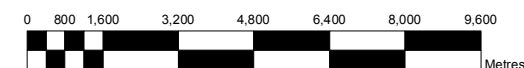


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-  Heathrow Planning Boundary
-  Core study area
-  Local authorities

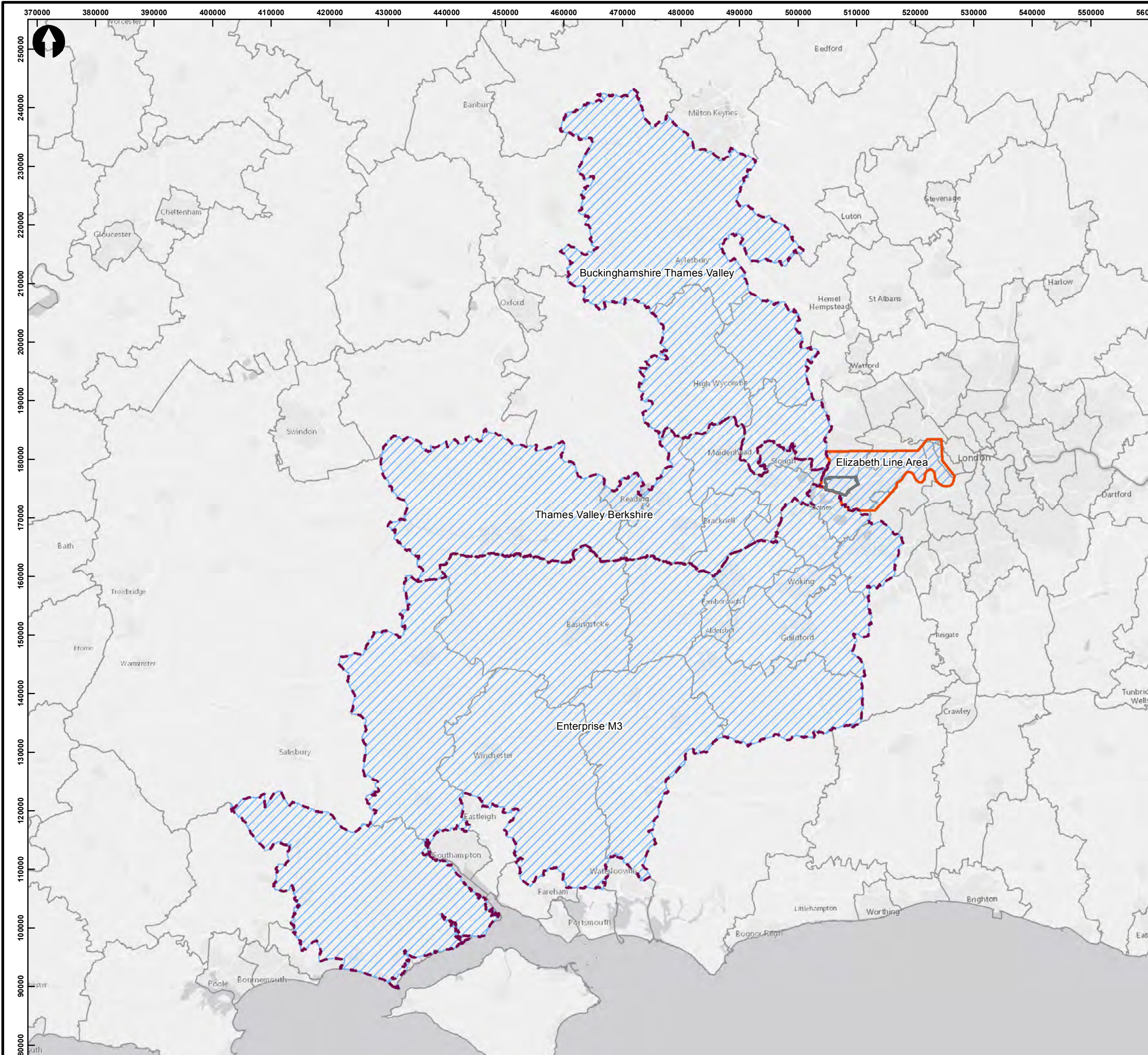


Heathrow

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Project Name Heathrow Expansion Project		Heathrow Project No.

Title
**Figure 10.1: Economics and employment
 core study area**

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Project/Location-Level-Doc Type-System-Unique Identifier 39153-Lon589.mxd				Version 1.0

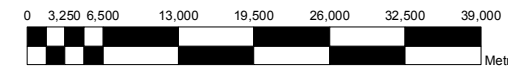


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- Heathrow Planning Boundary
- Sub-regional context area combined boundary
- Local authorities
- Local Enterprise Partnership
- Elizabeth Line Area (London Plan)



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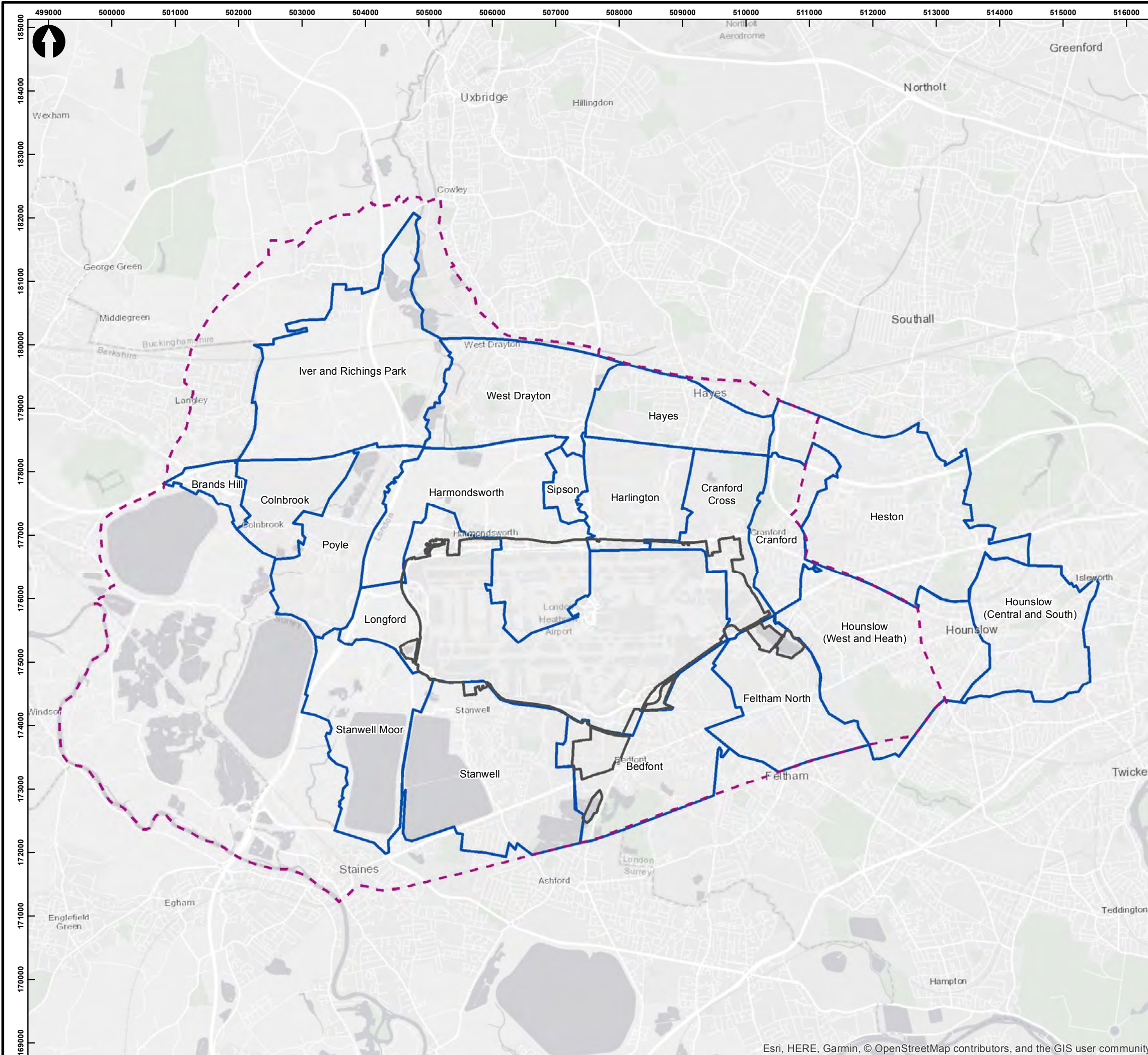
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Figure 10.2: Sub-Regional Context Area




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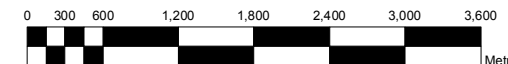


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-  Existing Heathrow airport boundary
-  Initial recreational spaces and routes study area
-  Community areas







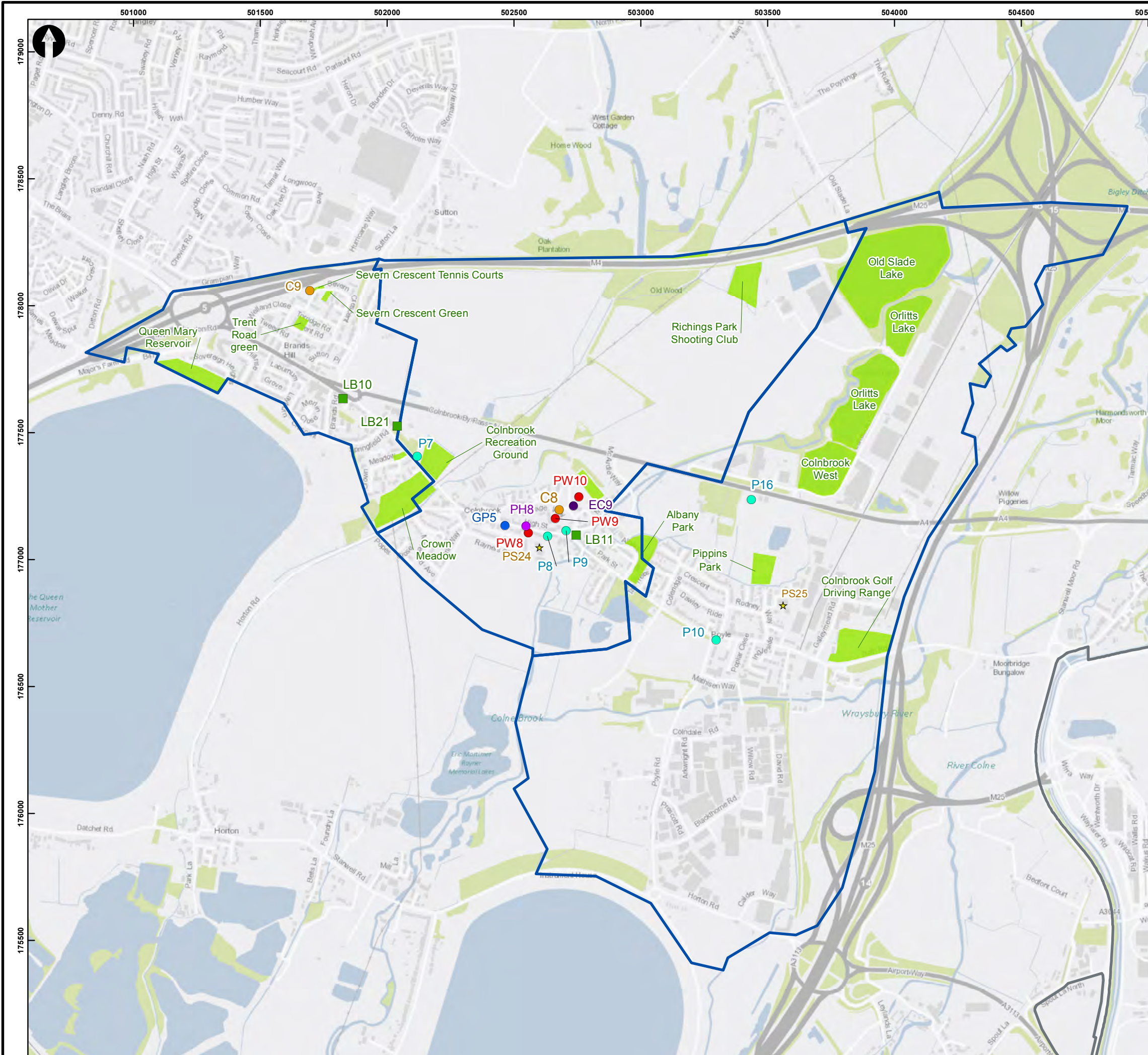



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Figure 9.1: Community study areas

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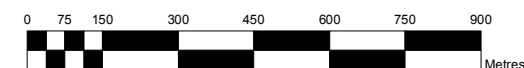


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- Heathrow Planning Boundary
- Combined community areas February 2018
- Open space
- Adult education or childrens centre
- Community hall
- Community service business
- GP surgery
- Pharmacy
- Place of worship
- Public house
- Schools



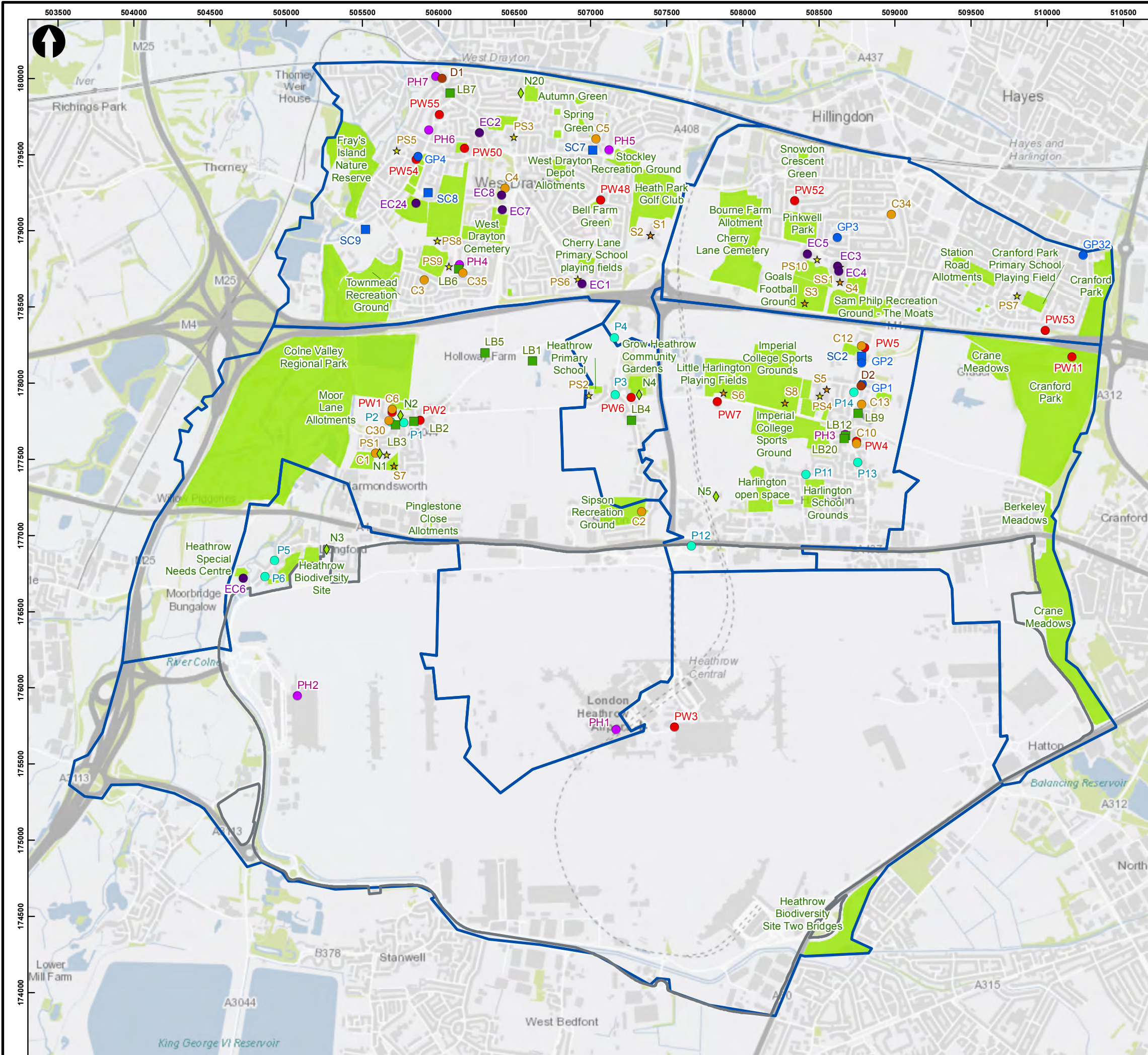
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Figure 9.2.1: Community facilities - Slough

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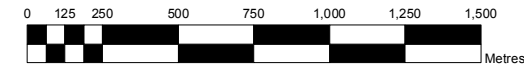


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- Community hall
- Community service business
- Dentist
- GP surgery
- Pharmacy
- Place of worship
- Public house
- ★ Schools
- Social care
- ★ Sports facility

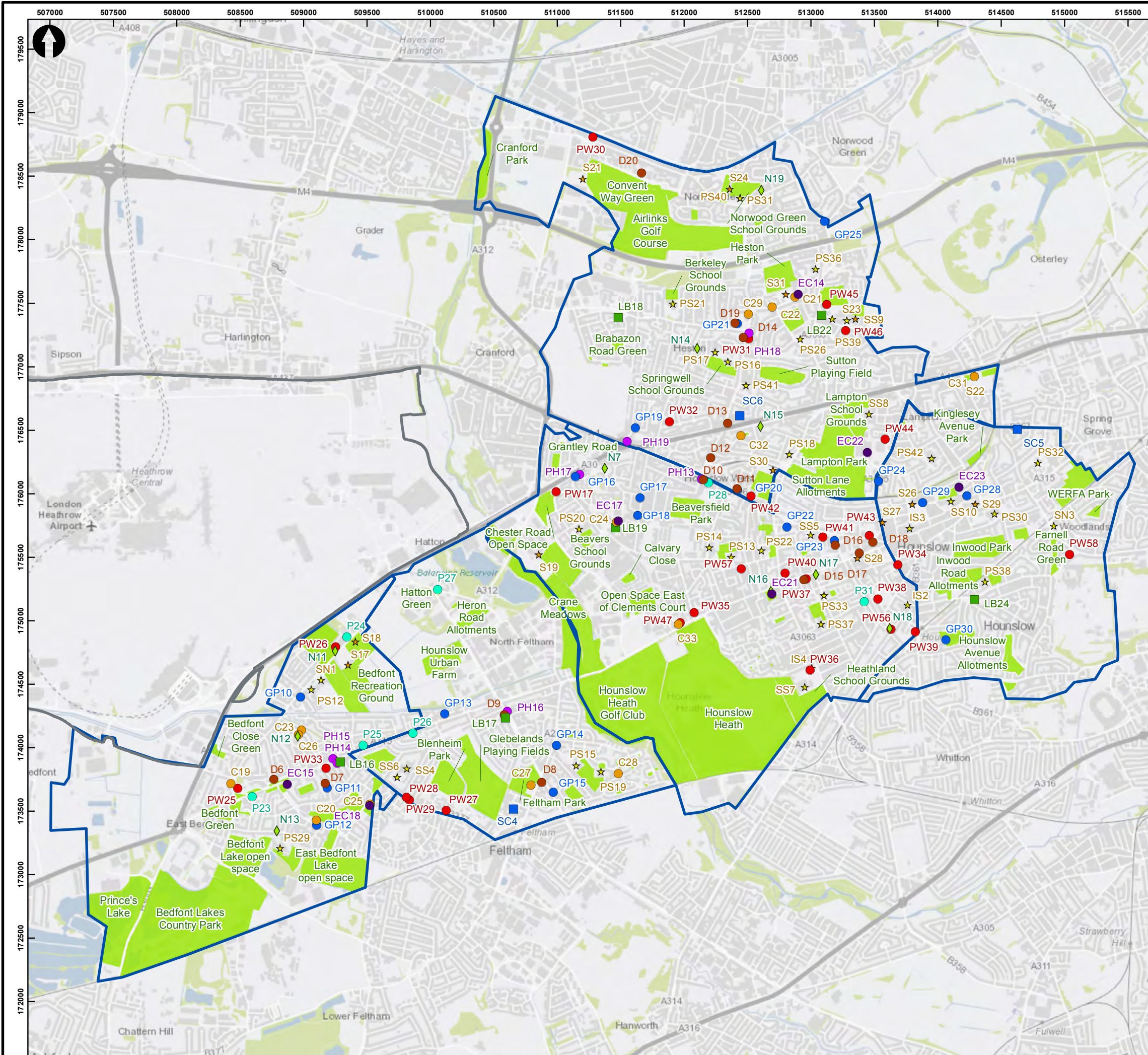


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Figure 9.2.2: Community facilities - Hillingdon

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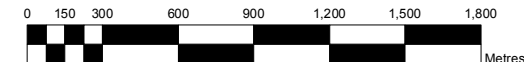


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- Place of worship
- Public house
- ★ Schools
- Social care
- ★ Sports facility





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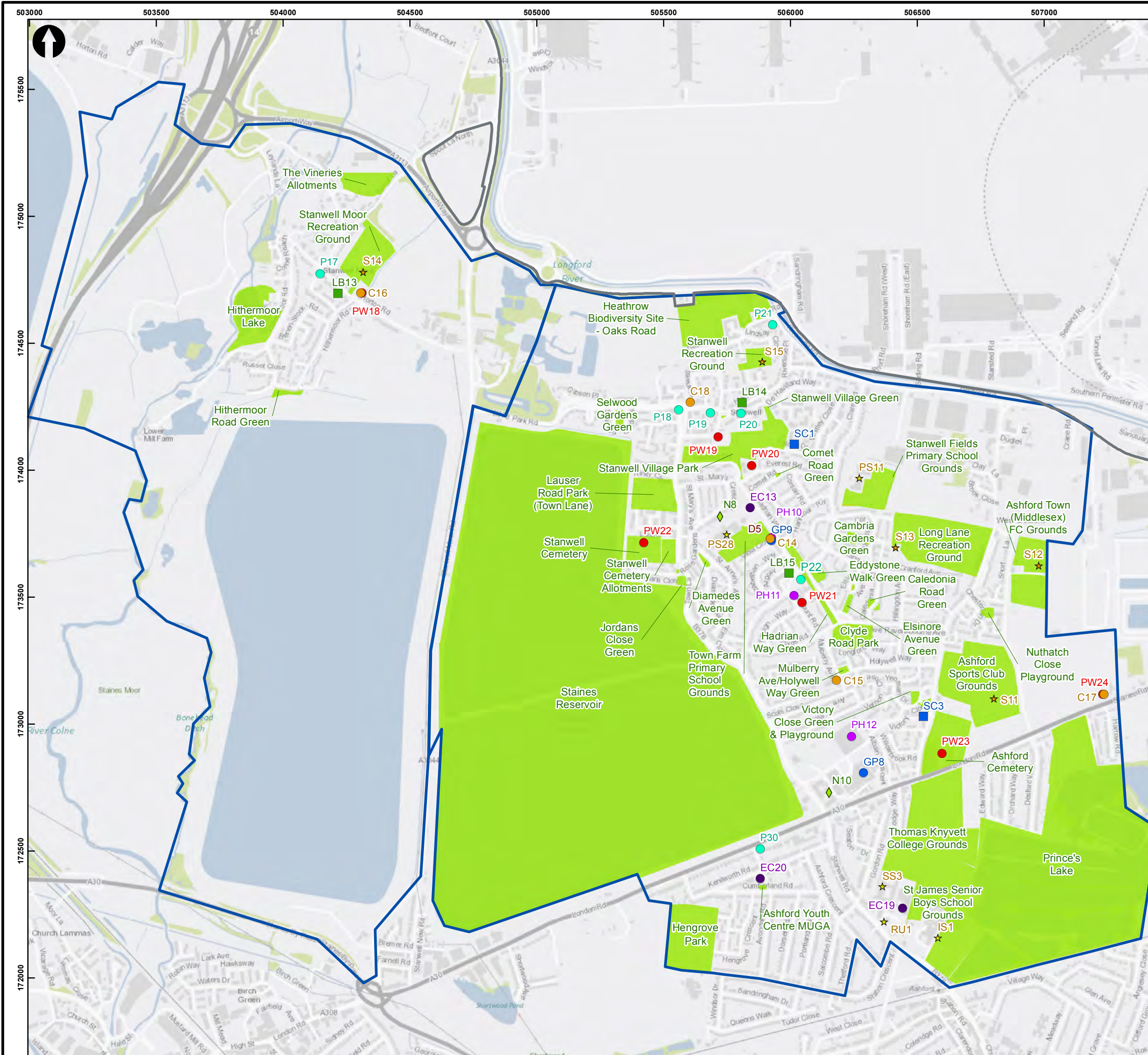


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Title
Figure 9.2.3: Community facilities - Hounslow

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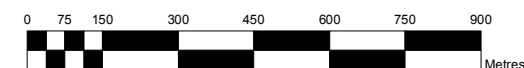


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- GP surgery
- Pharmacy
- Place of worship
- Public house
- ★ Schools
- Social care
- ★ Sports facility





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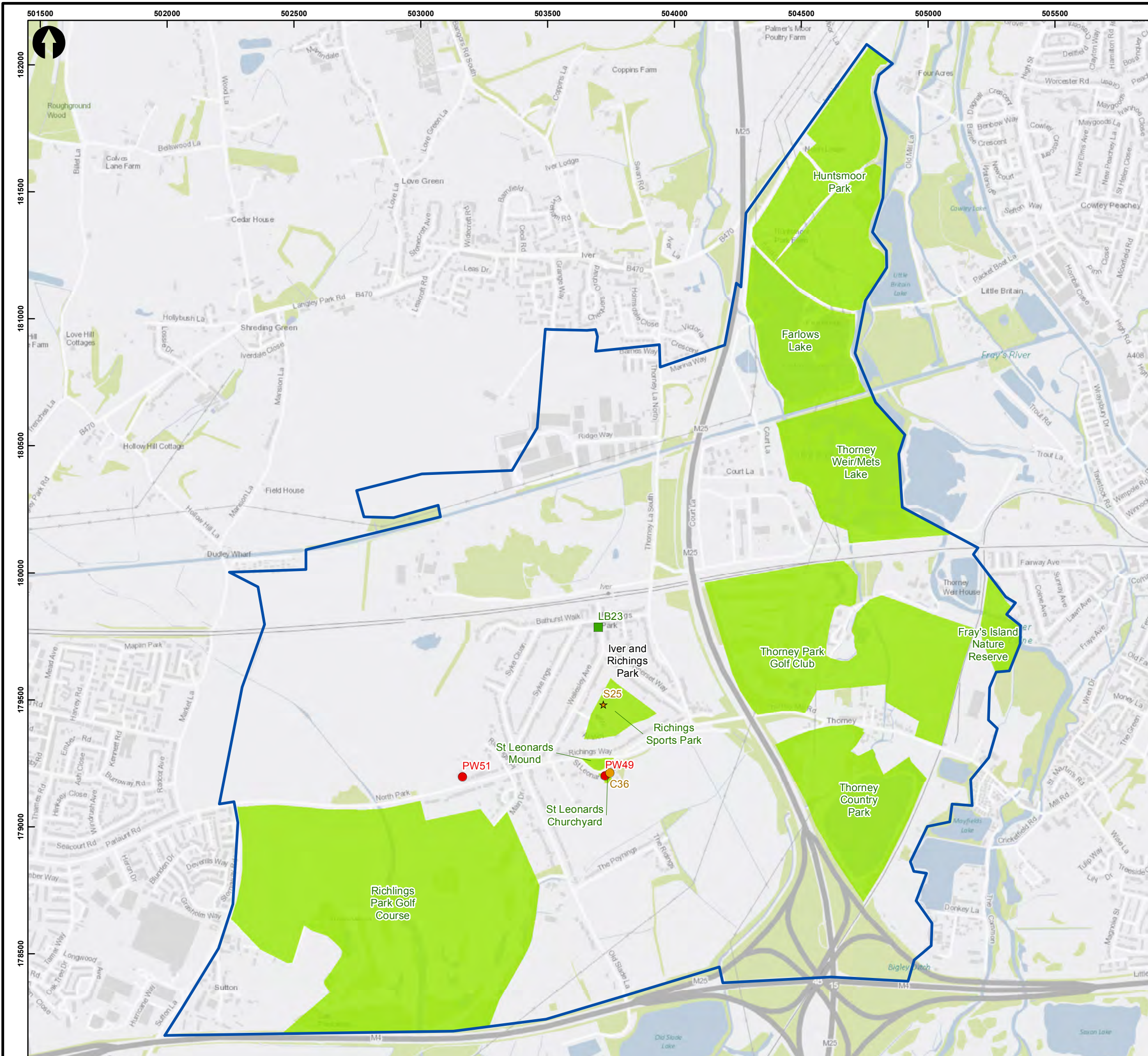
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Figure 9.2.4: Community facilities - Spelthorne

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- Community service business
- Place of worship
- Sports facility



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Figure 9.2.5: Community facilities - South Bucks

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Appendix 11.1

Historic environment

Characterising places

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report

Heathrow Expansion
Historic environment
Characterising places



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Historic environment

Characterising places

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wood. Heathrow

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0.2	09/11/2017	IDT EIAMT review
0.3	16/11/2017	Update following IDT EIAMT review
0.4	16/11/2017	Release for Heathrow review
0.5	02/02/2018	Amended for Historic England comments.
0.6	12/02/2018	Amended for HSPG comments

Stakeholders

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[REDACTED]	Senior Investigator, Historic England
[REDACTED]	Aerial Investigation and Mapping Manager, Historic England
[REDACTED]	Principal Archaeological Adviser, GLAAS
[REDACTED]	Colne Valley Park CIC
[REDACTED]	Principal Conservation Officer, LB Hounslow
[REDACTED]	Strategic Infrastructure Projects Lead, Bucks CC
[REDACTED]	Principal Planning Officer Policy, South Bucks and Chiltern District Councils
[REDACTED]	Heritage Conservation Team Manager, Surrey County Council
[REDACTED]	Ealing Council

Checked by: Name: [REDACTED]

Role: TO5.3 Natural Environment Workstream Lead

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1. Introduction

1.1. Historic characterisation

- 1.1.1. The value of historic landscape character has been recognised in the Airport Commission appraisal framework.¹ Historic England guidance advocates a logical approach to making decisions affecting England's historic environment. It stresses the importance of understanding the fabric and evolution of places that are subject to change.²
- 1.1.2. In *Understanding Place: Character and context in local planning* Historic England describes historic characterisation as 'area-based ways of identifying and interpreting the historic dimension of present day townscape and landscape. It looks beyond individual heritage assets to the understanding of the overall character of a whole neighbourhood or area that is central to securing good quality, well designed and sustainable places'.³
- 1.1.3. This document describes the methodology for generating Historic Environment baseline data to assess the effects of Heathrow Expansion on the immediate environs, which includes areas that are both urban and semi-rural in character. It covers mapping, description and interpreting significance of the historic landscape, that will be used to inform proposals for Heathrow Expansion. It excludes the methodology for generating baseline data for the wider historic environment, particularly in terms of the wider noise and traffic impacts, which will be addressed separately. The document also excludes the assessment process, which will be developed through parallel EIA consultation (scoping, PEIR, ES).
- 1.1.4. This study will develop an understanding of how the present landscape is shaped by the past; and will explore distinctive historic places at a landscape scale and within a broad historic framework. Recognised local historic narratives and heritage themes will inform the characterisation process and are essential to the definition of character types.
- 1.1.5. A staged approach is proposed, first setting out the historical use and development of the wider landscape through historic landscape characterisation (HLC). This will lead into:
 1. rapid historic area assessment (HAA) for areas of interest potentially affected by the expansion of Heathrow;
 2. detailed HAA directed at areas where additional information is required, or a risk of significant impact is identified.

¹ Airports Commission, *Airports Commission: Appraisal Framework*, 2014

² Historic England, *Conservation Principles, Policies and Guidance*, 2008

³ Historic England, *Understanding Place: Character and context in local planning* (Published by English Heritage 2011, revised 2012)

- 1.1.6. This nested characterisation strategy provides a flexible approach suited to the diverse nature of the historic environment evident at Heathrow.

1.2. Context

- 1.2.1. The expansion of Heathrow has the potential for far reaching construction and operational effects within an extensive and varied historic environment.
- 1.2.2. Paragraph 128 of the National Planning Policy Framework (NPPF) and recent guidance in the *Historic Environment Good Practice Advice in Planning: 2* (GPA2)⁴ emphasises ‘that the information required in support of applications ... should be no more than is necessary to reach an informed decision, and that activities to conserve or investigate the asset needs to be proportionate to the significance of the heritage assets affected and the impact on that significance’.⁵
- 1.2.3. The Revised Draft Airport National Policy Statement (NPS): new runway capacity and infrastructure at airports in the South East of England⁶ and NPPF describe the historic environment as ‘all aspects of the environment resulting from the interaction between people and places through time, including all surviving physical remains of past human activity, whether visible, buried or submerged, and landscaped and planted or managed flora.’⁷
- 1.2.4. NPPF requires a description of the significance of heritage assets that might be affected by development during consideration of consent applications. It defines significance as ‘the value of a heritage asset to this and future generations because of its heritage interest. That interest may be archaeological, architectural, artistic or historic. Significance derives not only from a heritage asset’s physical presence, but also from its setting’.
- 1.2.5. A summary desk-based assessment was undertaken to inform the case for a third runway at Heathrow during the Davies Commission⁸. Various data resources were examined but generally this was limited to existing core baseline data sets held by the local planning authorities (LPA) or Historic England including:
1. Conservation area assessments: sensitive historic areas identified in local plans;
 2. Local Authority Historic Environment Records (HER) data: spatially referenced data identifying designated and non-designated heritage assets, including listed buildings and scheduled monuments;
 3. Historic Ordnance Survey mapping.

⁴ Historic England, GPA2 Managing Significance in Decision-Taking in the Historic Environment, 2015

⁵ DCLG, National Planning Policy Framework, 2012

⁶ DfT, Draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England, 2017

⁷ Ibid

⁸ Heathrow Airport Limited, Understanding our heritage, Section 5.6 in, Taking Britain Further: Heathrow’s plan for connecting the UK to growth, 2015

- 1.2.6. Historic characterisation will generate a consistent baseline, against which effects on heritage significance can be accurately understood and assessed; ensuring environmental information considered through the Development Consent Order (DCO) planning process is reliable and resilient.

1.3. Purpose

- 1.3.1. This methodology sets out an approach to establishing baseline data in line with the Revised Draft Airport NPS definition and NPPF guidance. Heathrow's approach to assessment is to provide a robust yet proportionate baseline, targeting detailed assessment where it is required⁶. Broad character types and sub-character types will be identified, described and mapped, to show the distribution and nature of structured historic characteristics that exist within the present landscape, and to reveal the significance of heritage assets likely to be affected by the proposed scheme. The more detailed characterisation will be undertaken for places where there is a richness and depth of historic assets.
- 1.3.2. It will also provide adequate evidence to demonstrate areas of low or negligible historic character value or interest, so that these can be appropriately scoped out in the Environmental Impact Assessment (EIA) component of the DCO application.

1.4. Location and description of project area

- 1.4.1. Heathrow is a major international airport located to the west of London in a landscape covering parts of the counties of Surrey, Berkshire, Buckinghamshire and the London Boroughs of Hillingdon and Hounslow. The airport's international status makes it the busiest airport in Europe for passenger traffic and it has evolved to become a major transport hub. It is situated just west of the M25 and south of the M4, accessed by Junctions 13, 14 and 15 on the M25 and Junction 4 of the M4. In addition, a network of A roads, including the A4 and A30, surround the airport. Rail transport includes the Heathrow Express and Heathrow Connect from London Paddington and the London Underground Piccadilly Line serving the four terminals (Terminals 2 and 3, Terminal 4 and Terminal 5).
- 1.4.2. Heathrow is located within the Metropolitan Green Belt, with the Colne Valley Regional Park to the west. The airport is on the fringe of the suburban conurbations to the east and surviving villages to the north, south and west. Villages, such as Cranford, Colnbrook, Harlington, Harmondsworth and Longford, trace their origins to the early medieval period and still retain historic cores despite proximity to major urban infrastructure.

1.5. Aims

- 1.5.1. To create an historic environment baseline that will support a robust assessment, in line with NPPF paragraphs 126, 156, 157, 158, 169 and 170, of

the effects of the expansion of Heathrow on the historic environment.

Expected impacts include:

1. The third runway and ancillary infrastructure; such as surface drainage, pollution control facilities, ecological mitigation sites, landscaping, fencing and fuel farms;
 2. On-airport rationalisation, including aprons, taxiways, terminal buildings, etc;
 3. Surface access alterations; M25 motorway and junctions, local roads and railhead;
 4. River realignment;
 5. Borrow pits and associated temporary transport infrastructure;
 6. Urban & community integration (green infrastructure);
 7. Commercial land-use, including airport parkway and gateways;
- 1.5.2. To provide baseline data that will be used to prepare EIA documentation required as part of a DCO application. The resulting baseline information will contribute to:
1. the design development of the Heathrow expansion scheme and associated green infrastructure;
 2. assessment of the effects of the proposed development during the EIA process;
 3. mitigation and design measures, including proposals for historic environment enhancement and interpretation.
- 1.5.3. Mitigation and design measures may also include interventions to improve the appreciation of heritage assets within the study area.
- 1.5.4. Where elements of the expansion scheme are located outside the study area, professional judgement will be used to assess whether the study area should be extended or a targeted assessment completed to supplement this baseline.

1.6. Objectives

- 1.6.1. The characterisation study will produce a comprehensive baseline map of historic character areas reflecting the distribution of defined character types. This will take into consideration key built heritage, historic landscapes and archaeological assets.
- 1.6.2. Character descriptions and assessment results will be provided in a series of assessment reports. These will clearly outline the key historic narratives, heritage assets and significance within the landscape.
- 1.6.3. The completed study will provide enhanced information and data as an important stakeholder legacy arising from the expansion of Heathrow. As part of the data collection and analysis process, we will consult with relevant stakeholders to determine how to supply the data in a suitable format for future use. To realise the legacy value, characterisation data will be collected,

organised and curated so that on completion enhanced data sets can be easily shared with contributory stakeholders, including:

1. Heathrow;
 2. Historic England;
 - a. Historic England Archive;
 - b. Greater London Historic Environment Record (GLHER);
 - c. Potential List Entry Review
 3. Berkshire Historic Environment Record (BeHER);
 4. Buckinghamshire Historic Environment Record (BuHER); and
 5. Surrey Historic Environment Record (SHER).
 6. Colne Valley Regional Park CIC
- 1.6.4. Mechanisms will be explored to publicise the results of research undertaken for the HLC/HAA and wider programme of archaeological works. To optimise the legacy benefits, the characterisation methodology described in this document has been designed to align with wider heritage management programme processes operated by stakeholders. In particular:
1. Aerial photography methodology broadly follows that of the Historic England Aerial Investigation and Mapping (AIM) standards as agreed with Historic England's advice (see Appendix C)
 2. Potential List Entry reviews will follow the format and data requirements as to be advised on and agreed with the Historic England listing team.

1.7. Scope

Study Area

- 1.7.1. The study area encompasses all land within historic parish boundaries (based on 1851 Ordnance Survey) associated with the principal historic settlements likely to experience direct or indirect effects arising from the expansion of Heathrow (see Figure 2-1). The study area may be further extended to cover wider setting issues, such as aligning spatial boundaries to coincide with visual 'zone of theoretical visibility' (ZTV) and noise contours, as they are defined during further analysis. Where features of recent date, or potentially of prehistoric date, cross cut the parish structure these will be considered.

Nested hierarchy

- 1.7.2. A hierarchical approach to characterisation of the landscape will deliver three levels of characterisation, with a trend towards increasing detail and finer resolution (see Figure 1-1).
- 1.7.3. Research will be commensurate with the resolution of character analysis.
1. Level 1 Outline Assessment - Historic Landscape Characterisation: setting out the socio-economic narrative that defines the character of an area or historic land-use. This will comprise an HLC with a focus on the

evolving land-use history.⁹ It will be used to set out character types, areas and the sub-character areas, supplemented by a written report.

2. Level 2 Rapid Assessment - HAA: focusing on settlements and areas potentially susceptible to the impact from the expansion of Heathrow. The HAA will require a degree of research involving varied primary historic sources.
3. Level 3 Detailed Assessment - Targeted HAA: used in areas of known or potential historic importance which will be directly impacted by the expansion of Heathrow. It will involve detailed research to inform the appraisal of character. The level of detail will be in proportion to the potential significance of the assets and the nature of the impact.

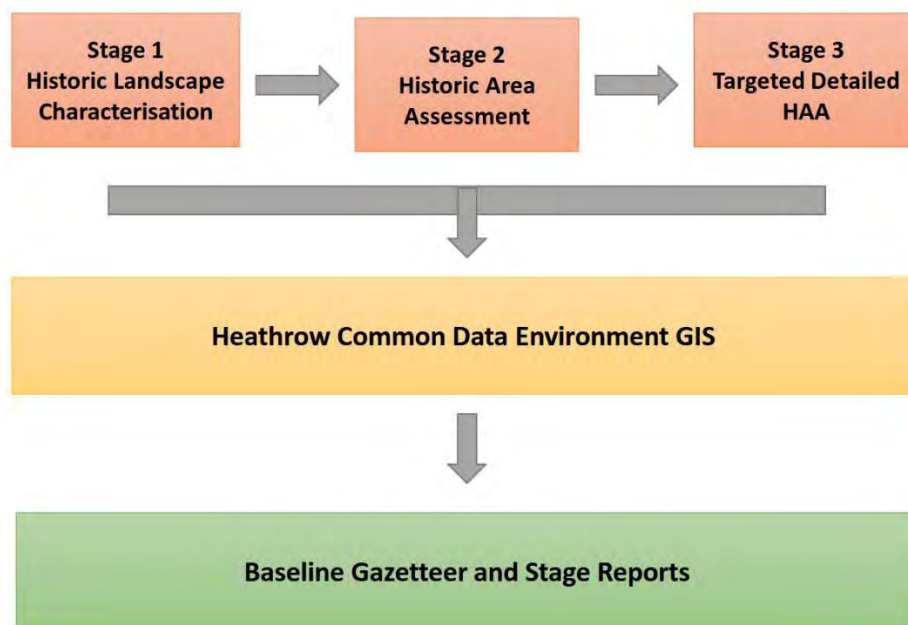


Figure 1-1 Indicative assessment process diagram

Historic character areas

- 1.7.4. Characterisation will involve describing and mapping discrete areas based upon a process of identifying historic landscape character types.¹⁰ Character types will be defined at two levels, so that character area map analysis is performed at both a broader and a more refined level of detail – i.e. ‘HLC broad types’ will encompass a set of more specific ‘HLC sub-types’. This

⁹ Historic Areas Assessments are based on guidance within Understanding Place: Historic Area Assessments⁸.

¹⁰ Historic England, Using Historic Landscape Characterisation, 2004.

provides a consistent baseline that is compatible with other county level or sub-regional HLC datasets.

- 1.7.5. Whilst drawing on established HLC broad type classifications¹⁰, additional sub-character types will reflect the circumstances within the study area. This will reflect the varied nature of the Heathrow landscape, including the extensive 20th century contribution to historic character. For instance, there will be an international airport broad type, with associated sub-types that reflect attributes of the evolving Heathrow configuration.
- 1.7.6. For each historic landscape character sub-type, a distinct and recognisable common character will be defined against specific historic landscape attributes identified from the initial broad-type mapping.
- 1.7.7. Individual character areas will be mapped to reflect the distribution of character type based on distinguishing attributes present across the study area. Areas will be based upon the homogeneity and predominance of landscape types. Character areas will be mapped to their full extent, whether or not they cross historic or current administrative boundaries.
- 1.7.8. Heritage significance will be assigned to each character area to provide a baseline value from which the impact of the Heathrow Expansion will be assessed in the EIA. Where areas are demonstrated to be of low or negligible historic character value, they will be scoped out of the EIA process.

Heritage assets

- 1.7.9. Heritage assets are primary attributes used to define historic character type. As defined in Annex 2 of NPPF heritage assets include: 'A building, monument, site, place, area or landscape identified as having a degree of significance meriting consideration in planning decisions, because of its heritage interest. Heritage asset includes designated heritage assets and assets identified by the local planning authority (including local listing).'
- 1.7.10. NPPF also defines designated heritage assets in Annex 2 as "World Heritage Site, Scheduled Monument, Listed Building, Protected Wreck Site, Registered Park and Garden, Registered Battlefield or Conservation Area designated under the relevant legislation." In addition, the Draft Airports NPS additionally defines Protected Military Remains as designated heritage assets.
- 1.7.11. Alongside statutory designations, other heritage assets may have recognised value as archaeological areas, locally listed buildings or important hedgerows (Hedgerows Regulations 1997).
- 1.7.12. Archaeological sites, monuments and landscapes form a key component of the heritage resource although they are not always identified through statutory designation. However, they form an important component of the heritage baseline, such as the major prehistoric landscape identified in the Thames

Valley and at Heathrow. Non-designated heritage assets are not directly defined within the NPPF however the phrase “non-designated asset” is used within the policy text. A non-designated heritage asset should be considered as an asset that fulfils the definition of heritage asset as “having a degree of significance meriting consideration in planning decisions” but are not included in the list of designated assets⁵.

1.7.13. Guidance on the identification of heritage assets is provided Appendix A.

2. Methodology

2.1. Level 1 Outline Assessment: Historic Landscape Characterisation

Scope

- 2.1.1. The primary historic landscape character analysis is structured on historic parish administrative units that covers Heathrow and its surrounding landscape. The study area includes eleven historic parishes: Cranford, East Bedfont, Harlington, Harmondsworth, Horton, Iver (part), Langley Marsh (part), Stanwell, Staines (part), West Drayton and Wraysbury (see Fig 2-1). The purpose using parish boundaries is to provide a meaningful boundary around the airport rather than simply impose a fixed radius. There are obvious cases where both modern developments and prehistoric archaeology will cross these boundaries.

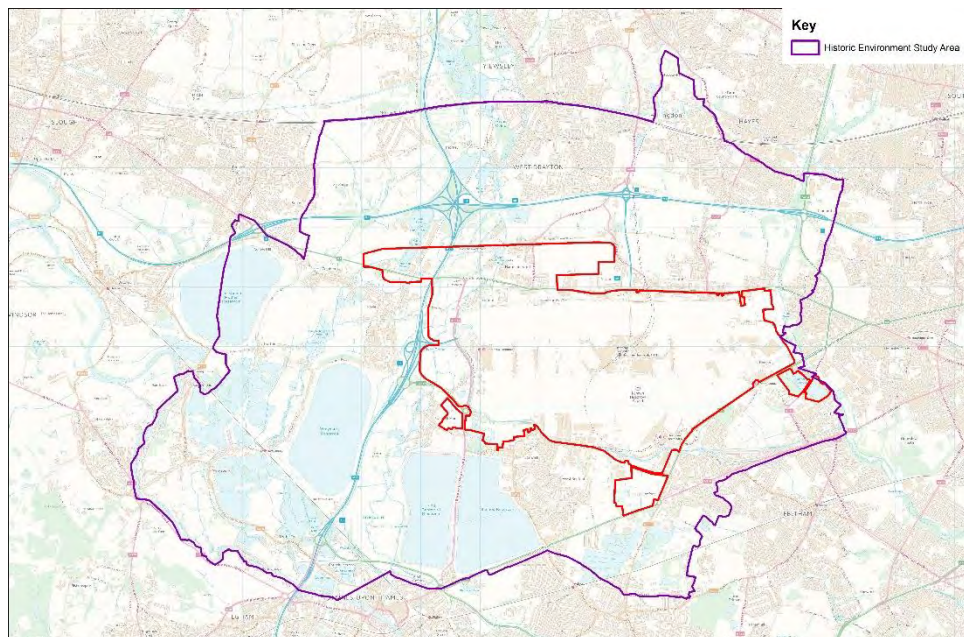


Figure 2--1 Characterisation study area (based on 1851 parish boundaries)

- 2.1.2. In addition to the parish character assessment, four themed landscape topic assessments will further examine the character contribution of locally significant historic land use management and arrangement formerly or currently prevalent across parish units:
1. Rivers and waterways (including references to bridges and mills);
 2. Heaths, moors and woodland;
 3. Non-airport transport
- 2.1.3. The exact detail and coverage of these papers will be considered during the HLC Level 1 research.

2.1.4. The Historic Parish and Themed Landscape Topic Outline HLC Level 1 assessments will:

1. Describe the outline land-use history and socio-economic development;
2. Distinguish broad historic landscape character types and define sub-types pertinent to the historic narratives and themes that apply to the Heathrow study area;
3. Incorporate existing HLC data sets sourced from county HLC studies, and critically review this data identifying strengths and weaknesses sourced from the Greater London Archaeology Advisory Service (GLAAS), Berkshire, Buckinghamshire, Surrey and the Colne Valley Park Historic Landscape Characterisation, resolving variance in character type definitions and mapping parameters;
4. Provide distinguishing attributes for the character types identified;
5. The presence of known, non-designated heritage assets – archaeological monuments, data sourced from Historic Environment Records, the aerial photographic interpretation (detailed in Appendix C), locally listed buildings and locally designated archaeology areas, will be recorded in the GIS proformas for an area.
6. Digitally map character areas to develop a broad understanding of the variable nature and quality of heritage significance displayed at the landscape scale. This includes areas of prehistoric archaeology that are likely to be present at a landscape scale across the study area;
7. Provide a report for the character areas and land-use history of the study area and themed landscape topics. The exact format of the final report from this research will be determined during the research.

Approach

- 2.1.5. The Level 1 HLC will follow the approach outlined in Historic England's guidance publications Using Historic Landscape Characterisation¹⁰. A recent HLC method statement has been produced by Oxfordshire County Council and will be used to supplement Historic England's guidance where appropriate¹¹. The assessment will characterise different areas of land-use on a parish by parish or landscape topic basis, to generate geographical spatial data using an appropriate geographic information system (GIS). The mapped data will represent the pattern and grouping of landscape attributes (character types) that reveal the distribution of similar historic land use and associated processes (character areas).
- 2.1.6. Boundaries to the mapped character and sub-character areas will be categorised according to broad date of origin. This data will complement the character descriptions, providing structured evidence for the evolution and durability of historic land divisions and their influence on landscape forms

¹¹ Oxfordshire County Council, Thompkins A., Oxfordshire Historic Landscape Characterisation Project, 2017
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prevalent within the study area. Based on their earliest appearance in historic map sources (see table 2-2) boundaries will be categorised as:

1. Pre-1757 (Rocque period maps and mid-18th century county maps);
2. 1757-1819 Pre-Parliamentary Inclosure Act (early 19th century manuscript sources, including Ordnance Survey One inch to mile 1780s-1840 and other manuscript sources);
3. Post-Inclosure 1820-1940 (Ordnance Survey maps from first edition to 1940); and
4. Post 1940s.

- 2.1.7. This approach provides a fully characterised landscape area and boundary analysis that also contextualises the higher resolution historic area assessment, to be developed in Levels 2 and 3. The GIS approach also ensures flexibility and allows further refinement of character types through Level 2 or 3 survey, or extension of the study area, as necessary.
- 2.1.8. The study will focus on the eight historic parishes that incorporate and surround the expansion of Heathrow, but will also involve themed landscape topic studies. Reports setting out the historic landscape character or themed landscape topic, will include, in addition to key historic land-use character types, a summary socio-economic narrative relevant to the subject focus and an understanding of the scale and nature of temporal and spatial landscape change. By referencing long-term tenorial/ administrative units originating in the 12th/13th centuries (principally the historic parish units), that, until the late 19th century, reflected socio-economic processes that influenced historic settlement and rural land-use, the assessment will highlight:
 1. Potential pre-existing landscape features or boundaries that may have influenced the demarcation of the historic parish boundaries;
 2. Major scale landscape changes associated with 19th and 20th century urbanism.
- 2.1.9. The heritage significance of character and sub-character areas will be assigned through the recording process. This will be informed by information compiled during the character analysis, primarily with regard to archaeological (evidential), historic and architectural interests.
- 2.1.10. The Heathrow area has experienced major changes throughout the 20th century, not only with the creation of an international hub airport, but also a connecting motorway transport network and associated development. Character types will be defined that recognise the historic landscape contribution of mid-late 20th century infrastructure and other forms of urbanism. Where information on former historic landscape features is identified this will be used to inform potential green infrastructure design.

Method

- 2.1.11. The Level 1 HLC will involve systematic identification and description of the contemporary rural and urban landscape, previous character will be described, mapped and characterised to capture time depth within the landscape. Each parish will be divided into character areas following guidance set out in Using Historic Landscape Characterisation¹⁰. It is recognised that types and character will cross parish boundaries. This involves grouping landscape character types by their attributes. At a high-level, areas will be characterised by broad types as defined within the national guidance and set out in Table 2-1. The broad series HLC types allow for characterisation to be referenced at a regional level to existing local HLC studies, i.e. the Colne Valley Regional Park HLC and Surrey County HLC.
- 2.1.12. Broad types will be sub-divided and classified using professional judgement informed by the character and narratives specific to the Heathrow landscape. In most circumstances, character sub-type nomenclature will follow that detailed in the Forum on Information Standards in Heritage¹².
- 2.1.13. Character areas will be digitally mapped to create GIS polygons. These will include metadata (a set of attributes) assigned by completion of a Level 1 survey proforma for each broad character type and sub-type. Template proforma worksheets are provided in Appendix B section 7.1.2.
- 2.1.14. Metadata, detailing broad date of origin, present attributes and 'previous character types', will also be assigned to the mapped boundaries that delineate character areas. Metadata will include an audit trail showing who has created the record, modified the record and the dates of changes.
- 2.1.15. The digital mapping and metadata will form a digital database of character areas and boundaries. This will be supplemented by a series of parish HLC outline reports that summarise the evolution of settlement and land use. Each report will be reference historic parish boundaries as defined by Ancient Parishes of England and Wales, 1500-1850 (see Figure 2-1).
- 2.1.16. The reports will detail the systematic map regression and analysis of selected secondary source information, used to generate the digital data. Selected data sources are provided in Table 2-2 below, however, these are meant as a guide and additional source data should be used where pertinent. The analysis and reporting will follow guidance outlined in Understanding Place: Historic Area Assessments¹³ and the Victoria County History (VCH) guidance on writing parish and urban history¹⁴ with existing VCH parish summaries providing a key

¹² Forum on Information Standards in Heritage (FISH), Historic Characterisation Thesaurus, 2015

¹³ Historic England, Understanding Place: Historic Area Assessments, 2004

¹⁴Victoria County History 'Writing for the VCH' website <https://www.victoriacountyhistory.ac.uk/writing-for-the-vch>, consulted 2017 (accessed 03 May 2018)

source of information. Further details on reporting are outlined in Section 3.3 below.

HLC Broad Types	<ul style="list-style-type: none"> • Unenclosed or unimproved land • Enclosed land • Woodland • Industrial land • Mineral extraction • International Airport • Military • Ornamental • Recreational • Settlements • Orchards • Communications • Transportation • Water and valley floor • Water bodies
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Table 2-1: Broad HLC types (adapted from Historic England, 2004)

Data sources

- 2.1.17. Georeferenced spatial data for each character area will be mapped on the current OS Masterplan base.
- 2.1.18. It is proposed to use 1851 parish boundary digital mapping sourced from Southall and Burton (2004) for the demarcation of historic parish boundaries.
- 2.1.19. The parish HLC outline reports will use relevant VCH studies as a key resource. The origins of the parishes located within Middlesex will also reference the analysis provided by Phillpotts landscape evolution study for Heathrow Terminal 5.¹⁵ The origins of other parishes, historically part of Buckinghamshire, will be reviewed within the framework described by Phillpotts.
- 2.1.20. Fieldwork data is not anticipated necessary to deliver the Level 1 landscape characterisation across the study area, but will make recommendations that inform the scope of fieldwork to be undertaken during Level 2 and 3 surveys. Where necessary site visits will be made to areas of each narrow HLC type to take illustrative photographs and gain an understanding of the character. Such fieldworks will be combined, where possible, with fieldwork for the Level 2 and level 3 reports.

¹⁵ Phillpotts C., BAA Heathrow, Landscape Evolution in the Middle Thames Valley, Heathrow Terminal 5 Excavations Volume 2, Documentary Research Report: Section 22, 2011
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Core data	Format	Location
Vertical aerial photographs	GIS and hard copy	National archive / Heathrow archive
LIDAR survey	GIS	Environment Agency / Heathrow archive
OS Raster Map 1:10,000	Digital	Heathrow database
OS MasterMap	Digital	Heathrow database
A map of the County of Middlesex Reduced from An Actual Survey in four sheets by John Rocque 1757	Digital	Online archive
A topographic Survey of the County of Berks, 18 Sheets John Rocque 1761. Mid 18 th century maps for Buckinghamshire	Hard Copy	National Archive/Local Record Office
OS 2 inch drawings from the early 19 th century	Digital	British Library Online Archive
OS 1st edition 6" maps	Digital	Online archive
OS 2nd edition 6" maps	Digital	Online archive
OS 1938 map sequence	Digital	Online archive
Victoria Country History (Middlesex and Buckingham)	Digital and hard copy	Online archive and National archive
Phillpotts: Landscape Evolution in the Middle Thames Valley, Heathrow Terminal 5 Excavations, Volume 2, Section 22, Documentary Research Report	Digital	Online archive
Ancillary data	Format	Location
Enclosure maps	Hard copy	National archive / Local Record Office
Tithe maps	Hard copy	National archive / Local Record Office
Estate plans	Hard copy	National archive / Local Record Office
Geological maps	Digital	Online archive
Historic Environment Record (HER) database	Digital	Local Authority database
National Heritage List for England (NHLE)	Digital	Online archive
Regional and period studies	Hard	Local Record Office
Landscape history studies	Hard	Local Record Office

Table 2-2: Example sources for Level 1 outline assessment.

2.2. Level 2: Rapid Historic Area Assessment

Scope

- 2.2.1. Rapid HAA characterisation, mapping and reports will focus on Heathrow and historic settlements, and relevant associated sub-areas characterised during Level 1, that might be susceptible to the expansion of Heathrow. This includes but is not limited to: East Bedfont, Heathrow Airport, Horton, Poyle, Stanwell, Stanwell Moor and Wraysbury. In cases where it is anticipated that the expansion of Heathrow will result in an additional significant effect on an area of heritage value, then a further Level 3 detailed assessment will be undertaken.
- 2.2.2. Areas currently expected to receive greater impacts from the airport development will directly undergo a Level 3 detailed HAA assessment without the need for the Level 2 process. It is anticipated that significant level 3 survey locations, are Colnbrook, Cranford, Harlington, Harmondsworth, Longford and Sipson. Accordingly, these areas are exempt from the Level 2 survey. Where existing documentation detailing the character and significance of the historic area exists this will be appraised for quality and, where possible, used to inform assessment.
- 2.2.3. There may be further areas that will require Level 3 assessment as identified through the Level 2 reports. The anticipated Level 2 and Level 3 areas of assessment are mapped in Figure 2-2 below.

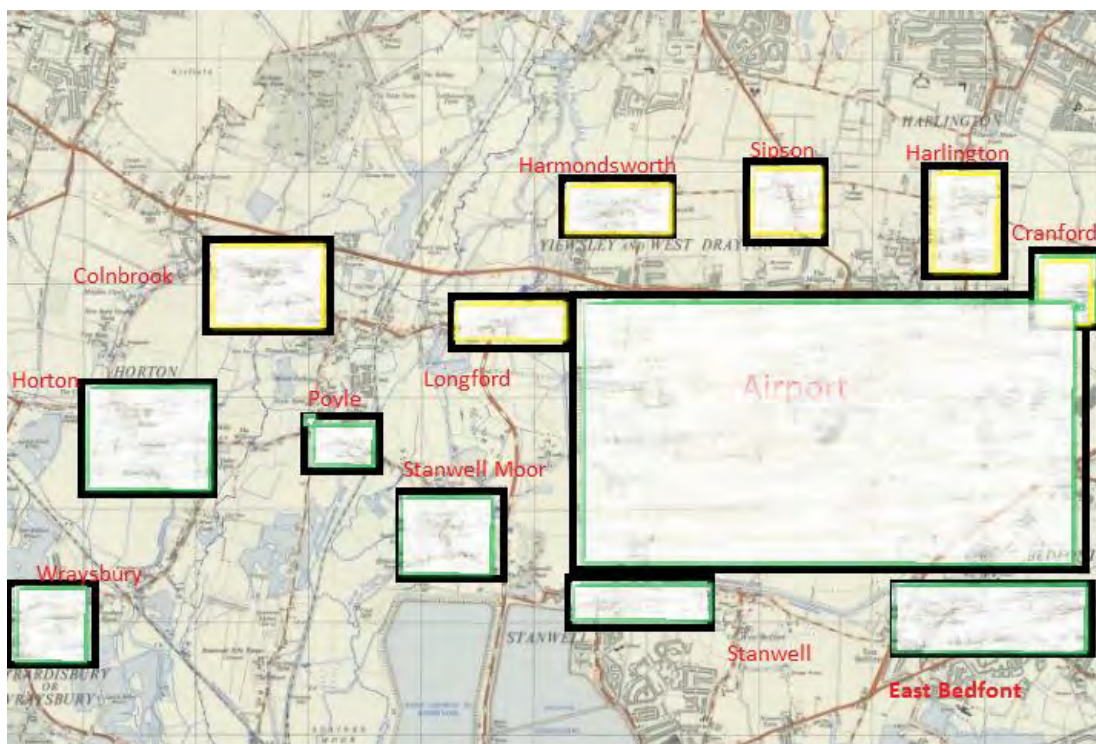


Figure 2--2 Anticipated HAA (green-Level 2 rapid HAA: yellow-Level 3 detailed HAA)

- 2.2.4. The study area boundaries for each Level 2 and 3 HAA will be defined by the results of the Level 1 characterisation. Within historic settlement areas the spatial scope will focus on built heritage, but may extend into the surrounding landscape if there are attributes relevant to understanding the settlement form. In some, patterns of development or barriers such as rivers, motorways and rail lines may form suitable boundaries, or may be incorporated into the HAA for the relevant settlement. In other areas, such as those defined by archaeological character, various attributes pertinent to heritage significance may be more appropriate.
- 2.2.5. Level 2 Rapid HAA assessments will:
1. Describe the historical development, identifying the main drivers of change;
 2. Refine, where appropriate, character areas described during the Level 1 reports and describe additional sub-character type attributes;
 3. Identify the present range of landscape and building attributes, their dates and forms, and relate them to the wider development of the area;
 4. Provide individual records of heritage assets in the area that have been identified as having value, where necessary, or to expand or correct existing data;
 5. Draw upon a wider range of evidence, including primary documentary sources;
 6. Digitally map, using GIS, key features contributing to historic character areas, including, where appropriate, individual assets.
 7. Identify and assess heritage significance of the assets and character areas.

Approach

- 2.2.6. The Level 2 Rapid HAA will follow the assessment process described in Historic England's guidance *Understanding Place: Historic Area Assessments*¹³. The assessment is largely based on historic mapping, field observation and secondary documentary sources. Primary documentary research, if required, will be proportionate rather than exhaustive. Where existing assessment documents, such as conservation area appraisals, have been identified these will be critically assessed and used to inform work where possible.

Method

- 2.2.7. The Rapid HAA will follow from the Level 1 HLC and focus on areas where there is a potential impact associated with the expansion of Heathrow, defined with reference to masterplan or relevant design documents available via the Heathrow Common Data Environment GIS.

- 2.2.8. The methodology will follow the principal of characterisation applied to Level 1, but with a higher resolution of detail leading to identification of specific features or assets that contribute to historic character. Each feature or asset will be assessed using the proforma template in Appendix B Section 7.1.3 and digitally mapped in GIS by creating GIS polygons. Data generated from proforma recording will be attached as attributes to the GIS polygons. Level 2 data will be stored as a separate GIS layer.
- 2.2.9. This information will be included in a report that describes the historical narrative of the character and development, key heritage assets and heritage value of each identified settlement area. It will include photos and illustrations, a gazetteer of known and new heritage asset records and mapping to show the location of the heritage assets. The report will also assess heritage significance of the assets and character areas. Further details on reporting are outlined in Section 3.3 below.
- 2.2.10. The Rapid HAA assessment will delineate character and sub-character areas based on divisions and development patterns, with reference to the historic narrative relevant and specific to each Rapid HAA study area. The historic environment character of an area is defined in Historic England guidance Understanding Place: Historic Area Assessment¹³ as:
1. Topography and landscape elements, including relief and aspect
 2. Layout: parcel (field or plot) size, shape and land use; regularity and density of street pattern; disposition of buildings in relation to plots, sight-lines and street width; building scale and density
 3. Buildings: functional types; morphology, including plan-forms and roof shapes; architectural styles, features and motifs; prevalent building materials
 4. Enclosure and definition of open spaces; linear routes (e.g. roads, waterways, railways); physical boundaries (e.g. walls, hedges, railings)
 5. Designed landscapes: ornamental structures, earthworks, sculpture and water features; planting schemes (public and private); naturally occurring trees and vegetation; park furniture.
- 2.2.11. Elements of setting and context will also impact on how a place is experienced and valued. These are not always constant, but consideration must be given to factors such as:
- 1, Dynamism and activity, including traffic or people
 - 2, Senses, including noise and scent
 - 3, Daily and seasonal variations, including a rush hour, market or ceremony
- 2.2.12. Level 2 assessment will identify where buildings, neighbourhoods, landscapes, features or other assets have historic interest and assign a heritage value. Appendix A sets out guidance on the identification of heritage assets and assigning value.

2.2.13. Level 2 assessment will also identify areas where additional research is required through a Level 3 Detailed HAA. It will only be necessary to undertake detailed assessment where there is the potential for significant impacts as a result of the expansion of Heathrow. The requirement for further assessment will be assigned incrementally as follows:

1. High: potential of heritage significance unknown and requires further assessment;
2. Medium: known heritage significance but requires further assessment to identify attributes of value;
3. Low: known heritage significance and attributes of value identified
4. Nil: area of negligible or no heritage value.

Fieldwork

2.2.14. Limited fieldwork will be required during the Level 2 Rapid HAA. The aim of fieldwork is to ground-truth records and gain an understanding of the areas in question. This will be undertaken from publicly accessible land.

2.2.15. Suitably qualified heritage professionals will survey an area using mapping data generated following initial Level 2 data collection, including proforma recording sheet data (see Appendix B. 7.1.3).

Data sources

2.2.16. Alongside the Level 1 sources (Table 2-2) an additional list of examples HAA sources is provided in Table 2-3 below. This is not an exhaustive list, but is meant as a starting point to be expanded as appropriate. Where appropriate, initial research will be supplemented by field survey to supplement and support the desk-based sources.

Cartographic and pictorial documents	<ul style="list-style-type: none"> • Online street view • Ordnance Survey maps, as detailed scale as possible • Early maps, tithe, enclosure and estate plans (where readily available).
Historic Environment databases and documents	<ul style="list-style-type: none"> • Historic Environment Records (HER) • National Heritage List for England (NHLE) • Historic England Archive • Aerial Investigations and Mapping (AIM) • Conservation area appraisals • Townscape or landscape characterisation studies • List of locally important buildings • Archaeological survey data • Grey-literature reports • Archaeological data service (ADS) • Portable Antiquities Scheme (PAS) • Local authority Local Plans, (including land use planning maps) • 20th century mapping/ town and regional plan maps.
Remote sensing data	<ul style="list-style-type: none"> • Aerial photographs held by Heathrow and at relevant repositories • LiDAR data produced by Heathrow.
Secondary sources	<ul style="list-style-type: none"> • Regional and period studies • Landscape studies • Research frameworks • Historic Images • Relevant publications (Buildings of England volumes, Victoria County History and RCHME inventories, for example) •

Table 2-3: Example Level 2 assessment sources.

2.3. Level 3: Detailed Historic Area Assessment

Scope

- 2.3.1. Detailed assessment will be targeted on areas of known or potential heritage value that could be directly or indirectly impacted by the expansion of Heathrow. The Detailed HAA assessment will be used to enhance the baseline for the purpose of refining design and assessing impact.
- 2.3.2. In some cases, the expected level of significance or the potential impact from the expansion of Heathrow will mean detailed assessment is deemed necessary from the outset. It has been anticipated, in consultation with Historic England, that this will be the case for Harmondsworth and Longford that are located within the area of land take, and Colnbrook, Cranford, Harlington and

Sipson, located within the immediate surrounds. These areas are not intended to be subject to a Level 2 Rapid HAA assessment due to their significance already being identified. These areas of known heritage significance require further detailed Level 3 assessment to identify attributes of value within them.

2.3.3. The Detailed HAA assessment will:

1. Refine, where appropriate, character areas described during the Level 1/2 reports and describe additional sub-character type attributes;
2. Identify the range of landscape and building types, their dates and forms, and relate them to the wider development of the area
3. Provide individual records for all buildings (or building groups) and landscapes in the area, describing characteristics and condition.
4. Describe the historical development narrative, identifying the main drivers of change
5. Provide a summation of one or more epochs for the historic area and interpret the influence on the present landscape or area.
6. Draw upon a wide range of evidence, including interrogation of primary documentary sources, secondary sources, site visits and internal surveys of buildings where possible.
7. Digitally map areas, and selected individual assets, using GIS.

Approach

- 2.3.4. The Level 3 Detailed HAA will equate to a Level 3 assessment described in Historic England's guidance Understanding Place: Historic Area Assessments¹³. Baseline research will include a review of information gathered during the Level 1/Level 2 assessments. The scope of Level 3 baseline research will be proportionate to the heritage complexity, significance and the impact of the scheme.

Method

- 2.3.5. The Level 3 assessment will further refine character areas and sub-character areas, following the same principal and methodology outlined at Level 2 (2.2.7-2.2.12), however it will apply in-depth research to inform assessment of significance and condition. This will involve systematic research of primary and secondary sources combined with fieldwork survey. Alongside the Level 2 sources (Table 2-2) an additional list of example data sources is provided in Table 2-4 below. Each feature or heritage asset contributing to historic character will be recorded using the proforma template in Appendix B Section 7.1.4. Character areas will be digitally mapped in GIS and include meta-data generated from the template.
- 2.3.6. Level 3 assessment will require the creation of records for individual assets, such as buildings or upstanding archaeological remains. Furthermore, the level of recording may be detailed for individual asset with a complex development history or where detailed research is required to understand its

value. In all circumstances, individual assets should be characterised to inform the wider understanding of an area's development.

- 2.3.7. A Level 3 report will summarise the assessment findings. The report will describe the character, historical development, key historic features and heritage assets and the heritage value of the area. The report will use a narrative approach to present the development history of the area. Assets and areas of heritage significance will be identified within the report and heritage values applied to such areas. The report will include photos and illustrations, the gazetteer of asset records and mapping to show the location of assets. Further details on reporting are outlined in Section 3.3 below.

Fieldwork

- 2.3.8. For Level 3 assessments, fieldwork will be necessary for all areas being assessed. Site investigation will help to identify whether heritage value is still apparent on the ground and to identify any further heritage value or alteration not evident in the documentary sources.
- 2.3.9. A suitably qualified heritage professional will undertake the fieldwork assessment following the initial documentary research and using proforma spreadsheets (see Appendix B Section 7.1.4). The forms will be used to produce the meta data uploaded into a GIS database.
- 2.3.10. Printed maps of each area will be produced for annotation on site. Mapped data will include initial Level 3 data using GIS, and the fieldwork will be used to check the extents and character.
- 2.3.11. In some cases, internal inspections of buildings or intrusive investigation may be required to inform the assessment of significance and condition. This will be arranged where possible. All access arrangements will be made through the Heathrow land access team.

Data sources

- 2.3.12. A list of example sources is provided in Table 2-4 below, this is not an exhaustive list but meant as a starting point to be expanded as appropriate for the asset and location.

Local heritage	<ul style="list-style-type: none"> • Local authority archaeologists • Local authority conservation officers • Local interest groups
Historic Environment databases and documents	<ul style="list-style-type: none"> • Historic Environment Records (HER) • National Heritage List for England (NHLE) • Aerial Investigations and Mapping (AIM) • Historic England Archives • Conservation area appraisals • Townscape or landscape characterisation studies • List of locally important buildings • Archaeological survey data • Grey-literature reports • Archaeological data service (ADS) • Regional inventories • Public and private collections • Portable Antiquities Scheme (PAS) • Local authority Local Plan
Historical documents	<ul style="list-style-type: none"> • Charters • Registers • Manuscript collections (secular and ecclesiastical) • Deeds • Wills • Estate papers • Electoral rolls • Contemporary publications • Planning Records
Cartographic and pictorial documents	<ul style="list-style-type: none"> • Ordnance Survey maps, as detailed scale as possible • Early maps, prints and paintings • Tithe, enclosure and other parish maps • Estate plans • Historic Images
Remote sensing data	<ul style="list-style-type: none"> • Aerial photographs held by Heathrow and at relevant repositories • LiDAR data produced by Heathrow.
Geotechnical information	<ul style="list-style-type: none"> • Borehole and test pit logs • Site surveys • Geological maps
Secondary sources	<ul style="list-style-type: none"> • Regional and period studies • Landscape studies • Research frameworks • Studies of particular building types • Historic Images

	<ul style="list-style-type: none"> • Relevant publications (Buildings of England volumes, Victoria County History and RCHME inventories, for example) • RIBA archives • Local authority planning records
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Table 2-4: Example Level 3 assessment sources

3. Deliverables

3.1. Database and GIS

- 3.1.1. Data will be Building Information Modelling (BIM) compliant. It will be gathered and collected as GIS shapefiles and stored as feature classes within an online geodatabase which will be managed within the Heathrow Expansion Project common data environment (Heathrow CDE).
- 3.1.2. The historic environment character assessments will adhere to the standard approach of data delivery, set out in the BIM execution plan. Standardised metadata implementation procedures are integrated into the CDE and will be applied through each publishing level. Mapping and spatial data deliverables will conform to the agreed standard templates to ensure a consistent approach on all Heathrow assessments. Although integrated into the Heathrow CDE, archiving and dissemination of outputted data from the project will be discussed with relevant local authority HERs and other data recipients/curatorial bodies to ensure a useful legacy is provided.

Templates

- 3.1.1. Proforma templates are provided in Appendix B to be used on the Level 1 HLC and Level 2 and 3 HAA assessments. Recording will be undertaken directly into the Heathrow CDE GIS system. Where data is recorded in the office this will be done via a live link to the CDE GIS system. Offline data editing will also be available. Out of the office recording will be undertaken with a specialist application on tablet computers, which will enable data to be inputted and synced directly to the Heathrow CDE.
- 3.1.2. All historic environment data generated within the Heathrow CDE will utilise predefined form fields. This will enable consistent baseline data to be entered in both office and field settings. The digital data collection and storage approach also allows for cross disciplinary data integration and sharing, with the added potential of multiple source connectivity, centralised storage and archiving.
- 3.1.3. The templates are set out for the three stages of assessment and each stage expands on the previous. This will provide continuity of data collection and allow for progressive stages of assessment to be applied to an area, where necessary. In all cases, the assessment will start from the outline HLC, but can then be refined to an appropriate level for areas and individual assets.

GIS

- 3.1.4. Data will be spatially mapped using ArcGIS and made compatible with GIS standards set out in the BIM execution plan. The character areas and assets identified will be mapped point, line or polygon feature classes as appropriate.

Attribute fields associated with appropriate feature classes will include a unique identifier (UID) to facilitate linkage to relevant entries within the baseline gazetteer. The symbology used in mapping will distinguish the different types of character areas and heritage assets. The mapping and presentation will conform to project BIM standards.

3.2. Baseline gazetteer

- 3.2.1. The meta data generated through the Level 1 HLC and Level 2 and 3 HAA proforma templates will contribute evidence towards the baseline gazetteer. This will comprise character areas, sub-areas and assets covering built heritage, historic landscapes and archaeology. This will form a digital database of all assets that is linked to GIS mapping. The digital baseline will be used throughout the project and be used as a live document, this will allow for enhancement or updating of information during the project life cycle.
- 3.2.2. This HLC/HAA digital data comprises a core EIA baseline data set. The gazetteer will be included as part of the baseline reports (Historic Parish/Themed Landscape Topic HLC Reports and Rapid/Detailed HAA Reports), as documentation supporting the core EIA baseline data set. Gazetteer entries for each character area or asset will vary in detail depending on the level of assessment and the value of the heritage asset. Information will be proportionate to the level of detail required for assessment and the context of the potential impacts in relation to assess value.

3.3. Reports

- 3.3.1. Following completion of the characterisation process a series of reports will be produced to outline the assessment results:
 - 1. Overarching HLC report placing the study area within its landscape context as characterised by surrounding county HLC data.
 - 2. Level 1 HLC reports, each providing a summation of the socio-economic and land use history resulting from the Level 1 assessment;
 - 3. Three themed historic landscape reports generated from the Level 1 HLC data;
 - 4. HAA reports, based on settlements and areas that have been assessed at the Rapid Level 2 and Detailed Level 3 scope. These will vary in detail in proportion to the scale of potential impact, by the expansion of Heathrow, and the value of heritage assets.
- 3.3.2. The reporting will follow guidelines set out in the Historic England's guidance *Understanding Place: Historic Area Assessments*¹³. The reports will be presented in standard Heathrow A4 report templates and follow Heathrow report style guidance. The structure of the reports and content will vary depending on the stage of assessment but will normally include the following:
 - 1. An executive summary that outlines the main findings

2. An introduction setting out the location, stage of assessment, purpose and context of the assessment
3. An illustrated narrative of the character area and sub-areas within, describing the socio-economic and historical development, including archaeological baseline of the area, based upon HER data, aerial photographic plotting and previous archaeological work, identifying principal features and assets, their form and chronology and social context, highlighting archaeological potential and other elements of the landscape
4. A summary of the archaeological and heritage significance of the character area. The condition of assets, including those of an archaeological significance, within the area indicating areas at risk or susceptible to change
5. A description of heritage significance, used to determine the value of assets and character areas
6. Recommendations for areas requiring further research, such as archaeological fieldwork
7. Mapping to represent all the character areas and assets covered within the report
8. Supporting photographs and illustrations where appropriate
9. A bibliography of all referenced material and sources consulted
10. A supporting gazetteer of records contained within the report study area, included as an appendix to the report.

Aerial investigation and mapping

- 3.3.3. An assessment of aerial photographs and aerial remote sensing technologies, such as lidar, will be undertaken to investigate the Heathrow landscape. The assessment will be used to identify unknown archaeological or historic landscape assets or better reveal the extent and form of known heritage assets. Sites can be seen as cropmarks, soilmarks, parchmarks or features such as earthworks or structures. A detailed methodology for the Aerial Photography data gathering and reporting is set out in Appendix C.

List Entry Review

- 3.3.4. In addition to characterisation the Level 2 and Level 3 HAA reports will include recommendations for formal statutory designation review where appropriate, to ensure evidence supporting the DCO application takes proper account of the special interest of buildings and monuments of national importance, including undesignated heritage assets potentially of equivalent significance to scheduled monuments (Revised Draft Airports NPS s 5.189).
- 3.3.5. Historic England will be notified of any anticipated recommendations, with a request for additional guidance on information they require to meet the formal review process. Information will be supplied to Historic England based upon

templates sourced from Historic England concerning different categories of heritage asset.

4. Glossary of Terms

Term/ abbreviation	Description
Archaeological Asset	A site, deposit or artefact that holds, or potentially may hold, evidence of past human activity worthy of expert investigation at some point.
Heritage Asset	A site, landscape, deposit, structure or artefact of historical or archaeological interest.
Baseline	The existing historic environment by which things are measured or compared.
Built Heritage	The man-made structures within the historic environment.
Character Area	Unique and geographically discrete, sharing characteristics of the generic Character Type to which they conform.
Character Type	Distinct generic types of landscape that are relatively homogeneous in character and can be allocated to a number of locations.
Character Sub-Type	Distinct generic types of a broader character type.
Communications	A Broad Character Type relating to land used for exchanging of information.
Designated Asset	A World Heritage Site, Scheduled Monument, Listed Building, Protected Wreck Site, Registered Park and Garden, Registered Battlefield or Conservation Area designated under the relevant legislation (NPPF, 2012).
Development Components	Individual discrete elements of the wider proposed development such as runways, roads or landscaping.
Direct Effect	Effects that directly and physically impact upon a heritage asset.
Enclosed Land	Land that has undergone cultivation or demarcation for the purposes of ownership.
Heritage Interest	Aspects of an assets value. This may be archaeological, architectural, artistic or historic (NPPF, 2012).
Historic Environment	All aspects of the environment resulting from the interaction between people and places through time, including all surviving physical remains of past human activity, whether visible, buried or submerged, and landscaped and planted or managed flora (NPPF, 2012).
Historic Landscape	A landscape that has been developed, changed, used and exploited by people over time.
Indirect Effect	Effects that can impact upon the experience of a heritage asset and its setting.
Industrial Land	Land occupied by manufacturing, and utility developments.
International Airport	Land occupied by an airport and ancillary structures which provide connection to other countries.
Land-use	What the land is physically used for.

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Military	Of or relating to the armed forces.
Mineral extraction	Extractive industries, such as mining or quarrying including short-lived workings
Orchards	Enclosed land used for growing food producing trees.
Ornamental	Relating to land that has been designed as a decorative landscape.
Place	Any part of the historic environment, of any scale, that has a distinctive identity perceived by people (EH 2008, Conservation Principles)
Recreational	Relating to land that has been designed for public enjoyment.
Setting	The surroundings in which a heritage asset is experienced. (NPPF)
Settlement	Land occupied by a community of people.
Significance	The value of a heritage asset to this and future generations because of its heritage interest. Significance derives not only from a heritage asset's physical presence, but also from its setting (NPPF,2012).
Transportation	The movement of people or goods from one location to another.
Unenclosed or Unimproved Land	Farm land that has not been cultivated.
Value	An aspect of the worth or importance attached by people to qualities of places, categorised as aesthetic, evidential, communal or historical value (English Heritage Conservation Principles, 2008). These values provide an asset with heritage interest.
Water Bodies	An area of water forming a geographical feature.
Water and Valley Floor	A Broad Character Type relating to a long depression in the land surface, usually containing a river, formed by erosion or by movements in the earth's crust. The flat, wet lands to either sides of river are used as meadow or pasture.
Woodland	Land covered with trees.

5. Bibliography

Creator	Title	Publisher and place of publication	Date of publication
Department for Communities and Local Government (DCLG)	National Planning Policy Framework (NPPF)	DCLG	2012
Airport Commission	Airport Commission Appraisal Framework	Airport Commission	2014

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Creator	Title	Publisher and place of publication	Date of publication
Department for culture, media and sport (DCMS)	Principles of Selection for Listing Buildings	DCMS	2010
Department for Transport (DfT)	Draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England,	DfT	2017
Forum on Information Standards in Heritage	Historic Characterisation Thesaurus (http://heritage-standards.org.uk/wp-content/uploads/2016/05/HistoricCharactFull_Aug2015.pdf)	FISH	2015
Heathrow Airport Limited	Understanding our heritage, section 5.6, In: Taking Britain Further: Heathrow's plan for connecting the UK to growth	Heathrow	2015
Historic England	Using Historic Landscape Characterisation	Historic England	2004
Historic England	Change and Creation: historic landscape character 1950 – 2000	Historic England	2005
Historic England	Conservation Principles and Guidance, London	Historic England	2008
Historic England	Understanding Place: Character and context in local planning	Historic England	2011 (revised 2012)
Historic England	Historic England Advice Note 7: Local Heritage Listing	Historic England	2012 (revised 2016)
Historic England	GPA2 Managing Significance in Decision-Taking in the Historic Environment	Historic England	2015
Historic England	Understanding Place: Historic Area Assessments	Historic England	2017
Parliament of the United Kingdom	Planning (Listed Building and Conservation Areas) Act 1990	Stationary Office	1990 (reprinted 2002)
PCA	Historic Environment Characterisation of Harmondsworth	PCA	2001
Phillpott, C.	Landscape Evolution in the Middle Thames Valley, Heathrow Terminal 5 Excavations Volume 2, Documentary Research Report: Section 22	Heathrow	2011

Creator	Title	Publisher and place of publication	Date of publication
Thompkins, A.	Oxfordshire Historic Landscape Characterisation Project	Oxfordshire County Council	2017
Southall and Burton	GIS of the Ancient Parishes of England and Wales, 1500-1850	UK Data Service	2004

6. Appendix A

6.1. Identifying the value of heritage assets

Identifying heritage value – Significance

- 6.1.1. Significance is defined as the value of a heritage asset to this and future generations because of its heritage interest. Such value might be derived from archaeological, architectural, artistic or historic values. Significance derives from the asset’s physical presence and its setting, the areas in which the asset is experienced.
- 6.1.2. It should be noted that the design of the scheme is still in development with new options being explored. If new elements are added to the scheme, or the design changes in ways which may affect the scope of the expansion of Heathrow historic characterisation study, the identification of non-designated heritage assets process will be undertaken at the new locations, and the results added to the study database.
- 6.1.3. Once the geographic scope has been established, the following methods and resources will be used to identify non-designated assets using the criteria outlined below.
- 6.1.4. Criteria set out in the Historic England Advice Note 7 for Local Heritage Listing identify the degree of significance to warrant inclusion in the scoping and impact assessment process as a non-designated heritage asset.¹⁶
- 6.1.5. The practical application of these components is outlined in the Principles of Selection for Listed Buildings,¹⁷ along with the individual selection guides for different asset types published by Historic England and Local Heritage Listing, Historic England Advice Note 7¹⁶. These criteria are applied to help articulate why a heritage asset is important and can be summarised as indicated in Table 5-1 below.

Criterion	Description
Age	The age of an asset may be an important criterion and the age range can be adjusted to take into account distinctive local characteristics
Rarity	Appropriate for all assets, as judged against local characteristics.

¹⁶ Historic England, Historic England Advice Note 7: Local Heritage Listing, first published 2012, revised 2016

¹⁷ Department for Culture Media and Sport, Principles of Selection for Listing Buildings, 2010

Aesthetic Interest	The intrinsic design value of an asset relating to local styles, materials or any other distinctive local characteristics
Group value	Groupings of assets with a clear visual, design or historic relationship
Archaeological Interest	The asset may contain evidence for past human activity in the form of buried remains, or within the structure or development and change of a building or landscape.
Evidential Value	The significance of a local heritage asset of any kind may be enhanced by a significant contemporary or historic written record
Historic association	The significance of a local heritage asset of any kind may be enhanced by a significant historical association of local or national note, including links to important local figures
Designed landscapes	Relating to the interest attached to locally important designed landscapes, parks and gardens
Landmark status	An asset with strong communal or historical associations, or because it has especially striking aesthetic value, may be singled out as a landmark within the local scene
Social and communal value	Relating to places perceived as a source of local identity, distinctiveness, social interaction and coherence; often residing in intangible aspects of heritage contributing to the “collective memory” of a place

Table 6-1: Guide criteria for local listing (Historic England, 2016)

- 6.1.6. The level of survival of historic fabric and character, along with the condition of an asset will also inform the decision as to whether something is a non-designated heritage asset, particularly where there are better surviving examples locally. Change and adaptation of an asset can also be considered to contribute to significance or interest in some examples. In the majority of cases, the visual and historic character of a heritage asset should be readily appreciable from an external visual inspection. Where buildings, structures or designed landscaped have been subject to a level of insensitive modern

alterations, or intrusion into their setting, that have removed original features and context, and consequently the ability to understand the historic nature and character of the asset, these are unlikely to be considered to be non-designated heritage assets. For example, where a terrace has been subject to the insertion of modern windows, modern shopfronts, rendered brickwork, different roof coverings and poor extensions which remove historic features, symmetry and rhythm of the frontages.

- 6.1.7. There may be heritage assets where local historic or community associations override the loss of historic fabric and character. However, these will be exceptional cases and a clear case will be made for their inclusion, where required.

Assessing comparative value

- 6.1.8. All heritage assets will be assigned a comparative value. Designation is a key indicator of comparative heritage value. All designated assets are of national importance, with Scheduled Monuments and Grade I listed buildings considered to be of exceptional interest, Grade II* buildings are of more than special interest and Grade II buildings being of special interest. Conservation areas are also nationally recognised, although locally designated. However, it is possible that designated assets have been altered or had their setting impacted to the extent where their value assigned through designation is no longer relevant. With these assets, it is important to understand what individual heritage value is retained and assign them a comparative value accordingly.
- 6.1.9. Non-designated assets also need to be assigned a comparative value. Most non-designated assets will be of local value and assigned a comparative value accordingly, however specific, distinctive local features may contribute to significance. It is possible that non-designated heritage assets could be considered nationally important and reach the threshold for designation. Where this is the case, they will be assigned an appropriate comparative value.

Heritage assets will be assigned comparative values based on Table 5-2 below. Heritage value	Description
High	Heritage assets of international and high national importance, for example Grade I and II* listed buildings and scheduled monuments.
Medium	Heritage assets of moderate national importance and regional importance, for example Grade II listed buildings, conservation areas and sites of moderate archaeological resource which

	contribute to the understanding of historic development on a national or regional level
Low	Heritage assets of local importance including locally identified buildings and structures with surviving qualities in their fabric or historic associations or sites of limited archaeological resource which contribute to the understanding of local historic development.
Negligible	Heritage assets where the value is compromised by poor preservation, survival or contextual associations to justify inclusion is a higher grade.

Table 6-2: Comparative heritage values

7. Appendix B

7.1. Characterisation proforma recording sheets

7.1.1. The tables detailed in this section represent broad ideas for the recording of data within the Heathrow CDE GIS system. Data entry will be defined in the Heathrow CDE and detailed in the Compiler's Guide. Each unit of record will be a single polygon. The following table structure reflects that which shall be constructed within the Heathrow CDE.

7.1.2. Level 1 Historic Landscape Characterisation

Survey Reference	XX	Date	XX/XX/XX	Surveyor	Jo Bloggs	
Historic Parish:						
Cranford / East Bedfont / Harlington / Harmondsworth / Horton / Langley Marsh / Stanwell / Wraysbury						
Unit of record						
Character area / complex / block / street / development / neighbourhood / building / other feature						
Broad character type						
Unenclosed or unimproved land / Enclosed land / Woodland / Industrial land / Military / Ornamental/ Recreational / Settlements / Orchards / Communications / Water and valley floor / Water bodies						
Sub character type						
Pasture / Scrubland / Meadow / Heath / Planned Enclosure... etc						
Attributes						
(Free descriptive text)						
Period of origin	Unknown	Confident From (date)	Confident to (date)	From (period)	To (period)	User defined (Y/N)
Designations	Scheduled Monument / Listed building grade I II* II / Conservation Area Locally listed / Parks and garden / London Square / None					
Previous type HLC						
Previous broad type	(Insert as appropriate)					
Previous sub type	(Insert as appropriate)					
Period	(Insert as appropriate)					
Confidence	(Insert as appropriate)					
Notes	(Insert as appropriate)					
Sources						
Source ID	(Insert as appropriate)					

Source	(Insert as appropriate)
Specific reference	(Insert as appropriate)

7.1.3. Level 2 HAA

Asset details

Survey Reference	XX	Date	XX/XX/XX	Surveyor	Jo Bloggs	
Historic Parish:						
Cranford / East Bedfont / Harlington / Harmondsworth / Horton / Langley Marsh / Stanwell / Wraysbury						
Unit of record						
Character area / complex / block / street / development / neighbourhood / building / other feature						
Broad character type						
Unenclosed or unimproved land / Enclosed land / Woodland / Industrial land / Military / Ornamental / Recreational / Settlements / Orchards / Communications / Water and valley floor / Water bodies						
Sub character type						
(Insert as appropriate)						
Attributes						
(Free descriptive text)						
Period of origin	Unknown	Confident From (date)	Confident to (date)	From (period)	To (period)	User defined (Y/N)
Designations	Scheduled Monument / Listed building grade I II* II / Conservation Area Locally listed / Parks and garden / London Square / None					
Address	Place name/House number(s)					
	Street name(s)					

Description

Asset type(s)	Terraced house / villa / factory / park / sculpture / shop / workshop / warehouse etc
Asset setting	
Age / Date:	
Phases of development:	
Materials:	
Heritage value	High / Medium / Low / Negligible

Value of further investigation:	High / Medium / Low / Nil
Summary notes	

Photographs

Primary elevation (general photograph)	

7.1.4. Level 3 Detailed HAA

Asset details

Survey Reference	XX	Date	XX/XX/XX	Surveyor	Jo Bloggs	
Historic Parish:						
Cranford / East Bedfont / Harlington / Harmondsworth / Horton / Langley Marsh / Stanwell / Wraysbury						
Unit of record						
Character area / complex / block / street / development / neighbourhood / building / other feature						
Broad character type						
Unenclosed or unimproved land / Enclosed land / Woodland / Industrial land / Military / Ornamental / Recreational / Settlements / Orchards / Communications / Water and valley floor / Water bodies						
Sub character type						
(Insert as appropriate)						
Attributes						
(Free descriptive text)						
Period of origin	Unknown	Confident From (date)	Confident to (date)	From (period)	To (period)	User defined (Y/N)
Designations	Scheduled Monument / Listed building grade I II* II / Conservation Area Locally listed / Parks and garden / London Square / None					
Address	Place name/House number(s)					
	Street name(s)					

Description

Asset type(s)	Terraced house / villa / factory / park / sculpture / shop / workshop / warehouse etc
Asset setting	
Current use:	
Previous Use (If Obvious)	
Age / Date:	
Phases of development:	

Materials:	
Heritage value	High / Medium / Low / Negligible

Condition of building

	Condition					
Building elements	Good	Fair	Bad	Not visible	Missing	Materials
Roof						
Gutters and downpipes						
Walls						
Door						
Windows						
Architectural detail						
Boundary wall/ subsidiary features						
Additional building elements						

Photographs

Principal elevation (general photograph)	
Chimney location in relation to primary elevation	
Flank elevation 1 (give orientation)	
Flank elevation 2 (give orientation)	
Roof (detail)	
Window (detail)	
Door (detail)	
Building material detail/ brick bond	
Architectural feature/ string course, window heads, mouldings	
Setting (including streetscape)	
Associated boundaries/garden features	
Street furniture	
Other photographs as necessary	

Assessment

Criteria	Detail
Completeness (have parts of the building been lost or significantly changed, has a house been divided into flats or has the building had a significant change of use that may impact upon its fabric)	
Uniformity (do the features of the building i.e. windows/ doors rainwater goods etc. reflect the original period of the building or have they been changed)	
Condition (are the majority of building elements, where visible, or present, in good or fair condition)	
Date (broad assessment based upon map evidence and visible features of the building or other information, such as list entry or conservation area appraisal, where available)	

8. Appendix C

8.1. Aerial Analysis and Transcription Methodology

Introduction

- 8.1.1. It is proposed that an archaeological aerial analysis and transcription survey be undertaken for the Heathrow Expansion Project. This is also sometimes referred to as a remote sensing survey, aerial survey, or aerial investigation and mapping. This comprises the systematic analysis, interpretation, mapping and recording of archaeological features from modern and historic aerial photographs, as well as lidar imagery.
- 8.1.2. The aim is to accurately map and record the form and extent of archaeological features visible as cropmarks, soilmarks, earthworks or structures, to inform the baseline assessment of the cultural heritage resource. Although this assessment will be undertaken alongside the HLC and HAA work; it is intended that the results will contribute to the baseline assessment work as this analysis and transcription work progresses.
- 8.1.3. This document is intended as a brief overview of the proposed aerial analysis and transcription methodology, to assist in the project planning. A further, more detailed project design will not be produced.

National Mapping Programme

- 8.1.4. It has not yet been determined whether any part of the wider area around Heathrow has been previously surveyed in this way by Historic England's National Mapping Programme (NMP).
- 8.1.5. It is likely that the wider HER baseline study area (yet to be finalised) will protrude into Buckinghamshire, Oxfordshire, the Greater London Authority, and Surrey. This area appears to fall between the coverage of the Thames Valley NMP¹⁸ project to the west, the Hertfordshire NMP¹⁹ project slightly further to the north, and the Kent NMP²⁰ project some way to the south-east. This will need to be confirmed via a search request to the Historic England Archive.
- 8.1.6. It is possible that a number of additional small non-NMP (commercial) aerial investigation and mapping projects may also fall within the study area. If this data is available to the project team, it is likely that the aerial analysis and transcription of these areas will not be duplicated by our project.

¹⁸ Fenner, V., Dyer, C. Thames Valley Project: A Report for the National Mapping Programme. Air Photography Unit, Royal Commission on the Historical Monuments of England (RCHME), 1994

¹⁹ Fenner, V., Crop Marks in Hertfordshire: A Report for the National Mapping Programme. Air Photography Unit, Royal Commission on the Historical Monuments of England (RCHME), 1992

²⁰ Edis, J., The Classification of Cropmarks in Kent: A Report for the Monuments Protection Programme. Air Photography Unit, Royal Commission on the Historical Monuments of England (RCHME), 1989

Study area

- 8.1.7. The wider heritage baseline study area is yet to be confirmed as finalised, but is likely to include areas of Berkshire, Buckinghamshire, the Greater London Authority and Surrey (see Figure 8—1, below). It is envisaged that this will be based on historic parishes, to facilitate an understanding of the narrative of historic settlement in the area (see Section 1.7, above).

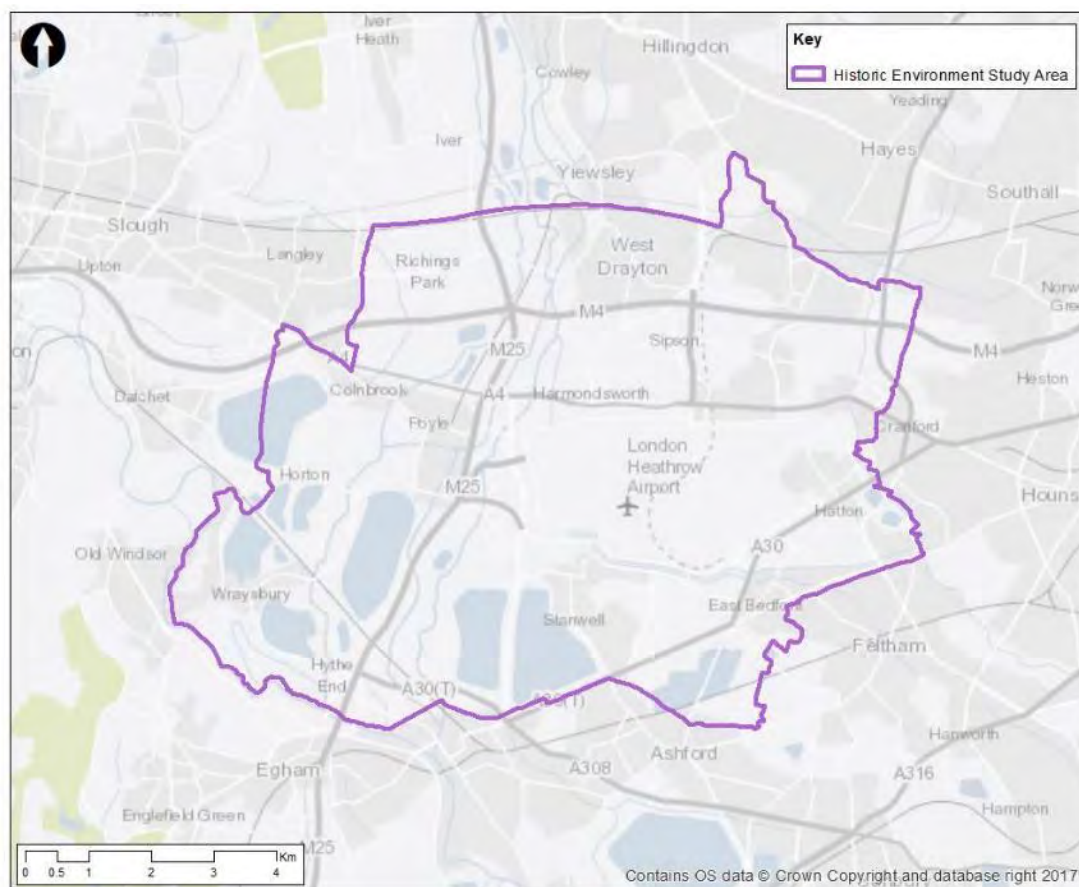


Figure 8--1 Characterisation study area (based on 1851 parish boundaries)

- 8.1.8. This encompasses a total area of approximately 75km², although not all of this will be subject to aerial analysis and transcription. This includes several areas of substantial gravel extraction already extant by the time of the earliest available aerial images. Any areas of previous NMP projects or other aerial analysis and transcription work will also be excluded (details yet to be confirmed).
- 8.1.9. The area of the Heathrow Terminal 5 archaeological excavations will not be included within the aerial analysis and transcription study area, due to the unnecessary duplication of data this would be likely to create.

- 8.1.10. The area of the historic WWII airfield (and a transcription documentation of its expansion over the subsequent decades) is not to be included within this aerial analysis and transcription project, as it does not fall within the areas of direct impact for the airport expansion. The expansion and development of the airfield and airport will be discussed elsewhere in the historic environment baseline assessment.
- 8.1.11. The total area within the polygon shown in Figure 8-1 to be included within the aerial analysis and transcription project is therefore likely to be approximately 60km². The precise extent of this area, with any exclusions clearly defined, will be detailed and illustrated in the final report.

Sources

Historic England Archive

- 8.1.12. All readily available historic vertical and oblique aerial photographs of the study area held within the Historic England archive will be consulted for this project.
- 8.1.13. Vertical aerial photographs were taken for non-archaeological purposes from approximately 1940 onwards, by organisations such as the Royal Air Force (RAF) and the Ordnance Survey (OS). These photographs often captured sites of historic interest incidentally, especially those shots taken in the first half of the 20th century, before archaeological remains may have been damaged or destroyed by the intensification of arable farming. In some areas, vertical photographs dating from even earlier are also available.
- 8.1.14. Historic oblique aerial photographs dating from approximately 1920 onwards usually targeted known sites of architectural or archaeological interest. They were typically taken at a much larger scale than the 'blanket' vertical aerial photography and were often timed to capture images of archaeological sites when they were at their most visible, i.e. when dry ground conditions favoured the development of clear cropmarks, or when low winter sun would reveal subtle earthworks.
- 8.1.15. All aerial photographs in the Historic England archive which fall within the study area will be viewed in person and examined stereoscopically and under magnification where applicable. Copies will be obtained with the use of a digital SLR camera where potential features are identified and the relevant photographs are considered to be of use either for transcription or reference purposes.

Cambridge University Collection of Aerial Photographs (CUCAP)

- 8.1.16. Projects of this type would usually include reference to vertical and oblique historic aerial photographs held within the CUCAP archive, in the same way as for the Historic England archive, above. The CUCAP collection however is

currently unavailable for consultation, while arrangements for its ongoing status are put in place.²¹

Historic Environment Records (HERs)

8.1.17. Aerial analysis and interpretation projects also routinely include reference to historic aerial photographs held by the local HER. Some HER aerial photographs duplicate those held at the Historic England Archive, though it is also often the case that unique collections deposited by local flyers are unavailable anywhere else. Some HER aerial photograph collections have been donated to the Historic England Archive. It will be necessary for this project to check with the local HERs whether that is the case or not.

Heathrow Archive

8.1.18. Heathrow commission an annual vertical aerial photograph survey for an area of 12km² centred on the airport itself. Since 2011 this has been fully digital and is captured to a spatial resolution of 10cm. Additionally, the Heathrow historic vertical photographs have also been fully digitised and orthorectified. These are available for every decade from the 1940s onwards, though not necessarily for each individual year in the case of the older photographs.

8.1.19. Although the historic Heathrow aerial photographs cover a smaller area than the modern annual survey, it is likely that historic coverage from the Historic England Archive was able to include areas closer to the modern Heathrow airspace than is currently the case. It is therefore likely that between the Heathrow and Historic England archives there will be contiguous coverage across the study area of at least some, if not all dates. Should any substantial gaps in the coverage be identified in the course of the project, this will be made clear in the report.

8.1.20. The Heathrow aerial photograph dataset can be viewed online via the Heathrow GIS viewer portal. If features of archaeological interest are identified this way then the relevant orthorectified GeoTIFF tile will be requested from the Heathrow Asset Management team. The orthorectification of this image will be refined if necessary, targeted on the specific area of interest. Height data (DTM) and OS Mastermap data will be supplied by Heathrow to the project team for this purpose. The source and accuracy of the height data supplied will be confirmed in the final report.

Lidar

8.1.21. Environment Agency lidar imagery is available for the study area at spatial resolutions of 50cm, 1m and 2m. There will be some airspace omissions within this dataset, due to the practicalities of surveying over of Europe's busiest airports. Lidar data supplied by Heathrow is likely to compliment the

²¹ University of Cambridge, Cambridge air photos <http://www.cambridgeairphotos.com/contacts/> (accessed on 27 July 2017)

Environment Agency lidar data by filling some, if not all, of the airspace gaps. Should any substantial gaps in the combined lidar coverage be identified in the course of the project, this will be made clear in the report.

8.1.22. The lidar DSM (Digital Surface Model) and DTM (Digital Terrain Model) data will be used to create the following advanced visualisation models within software called RVT (Relief Visualisation Toolkit) in order to aid the interpretation and transcription of the features observed:

1. Hillshade;
2. Multi-Direction Hillshade;
3. Slope;
4. Simple Local Relief;
5. Sky View Factor;
6. Anisotropic Sky View Factor; and
7. Openness (positive and negative).

8.1.23. All eight advanced visualisation models will be reviewed during the course of the analysis and interpretation, in combination with all other image sources. For accuracy, transcriptions will then be made only from the Openness models, as the others are proxy models of the landscape.

8.1.24. The DTM is lidar data that has been processed to provide a representation of the ground surface without objects such as vegetation or buildings. This means that archaeological earthworks can be revealed on the lidar imagery, even if they lie beneath areas of woodland. However, this can sometimes depend on the time of year the survey was undertaken, as a dense woodland canopy can slightly hinder data collection, even for lidar.

Modern aerial photographs

8.1.25. As noted above, high resolution (10cm) vertical aerial orthophotography commissioned annually by Heathrow is available for the purposes of this project. This covers an area of 12km², centred on Heathrow.

8.1.26. Additionally, Heathrow recently commissioned a drone survey of the airport perimeter. It is possible that this imagery will also be available as a source for the aerial analysis and transcription project, though it's suitability for this has not yet been assessed. It is not thought to be available online via the Heathrow GIS viewer portal, and it is not yet known whether this source is already orthorectified or not.

8.1.27. Modern vertical orthophotographs are also available for the entirety of the study area, in the form of ESRI World Imagery. It is possible that we may also be able to use both Google Earth and Bing imagery, though licencing restrictions for the use of these latter two datasets for commercial projects need to be investigated. This will be confirmed in the final report.

Historic Environment Record (HER) data

- 8.1.28. Monument and event records (where available) from the Buckinghamshire, Oxfordshire, Kent, and Greater London Authority HER databases will be obtained for the purposes of this project. These records will be used as a reference to aid interpretation of features visible on remote sensed imagery. This may be either through the pre-existing identification of a visible feature, or by providing information that could help characterise the likely heritage potential of the area.
- 8.1.29. The HER data is likely to be supplied as vector data (points, lines and polygons), with identifying attribute data attached. Full monument and event record reports are also likely to be supplied as PDF documents.

National Record of the Historic Environment (NRHE) data

- 8.1.30. Monument and event records from the NRHE database will be obtained from Historic England for the purposes of this project. As with the HER data (above), this will be used as a reference to aid interpretation of features visible on remote sensed imagery. This data is also likely to be supplied as both vector data with identifying attributes attached, and as accompanying PDF monument and event records.

Cartographic sources

- 8.1.31. Historic OS mapping is an important reference source when assessing features visible on remote sensed imagery. This will be sourced by the project team as a part of the wider historic environment baseline assessment for the area. Generally, epochs 1-4 of the 1: 2,500 scale County Series maps are the most useful source when comparing with possible historic features visible on aerial imagery.
- 8.1.32. In general, where features such as field boundaries, trackways, extractive pits or ponds are marked on a historic OS map, they will not be mapped and recorded as part of this aerial analysis and transcription project. This is because the objective of this project is to add to the known record, not duplicate it. Nevertheless, where the full extent or form of a feature is not recorded in its entirety on the historic OS maps, it will be included in the transcription for this project.

Additional sources

- 8.1.33. Information on the underlying geology and soils should also be taken into account when reviewing aerial photographs for evidence of sub-surface archaeological remains, as this can affect the visibility of these features as soilmarks and cropmarks.

8.1.34. Information on the underlying bedrock and superficial geology will be obtained from the British Geological Survey Geology of Britain viewer.²² Soil types can be reviewed via the Cranfield University Soilscales viewer.²³

Methodology

8.1.35. In order to provide consistency with other similar datasets, namely Historic England (formerly English Heritage) NMP projects noted in Section 8.1.5, above, this aerial analysis and transcription will be undertaken in line with NMP standards.²⁴, ²⁵ Historic England guidance on the planning and management of projects that involve interpretation and mapping from aerial imagery has also been consulted.²⁶ The interpretations applied to identified features will be consistent with the preferred terms within the Historic England Monument Type Thesaurus.²⁷

Interpretation, orthorectification and transcription

8.1.36. All aerial images from the sources identified above will be systematically examined for any archaeological or historic features visible as cropmarks, soilmarks, earthworks or structures (e.g. WWII pillboxes). In accordance with best practice for remote sensing surveys, all available sources for each field or land parcel will be viewed in conjunction in order to enable the most accurate interpretation possible. During this process reference will be made to the HER and NRHE records, as well as the OS historic maps.

Orthorectification

8.1.37. Where archaeological features are visible on the aerial imagery, these images will be orthorectified (where necessary) using the software Aerial 5.33 prior to their import into ArcMap (GIS) for transcription. The source and accuracy of the height data supplied for this purpose will be confirmed in the final report.

8.1.38. Digital OS Mastermap 1:1250 scale base maps will be used to establish control points, and a DTM likely to consist of 5m point or line data (precise format yet to be confirmed) will be used to apply an elevation to each of them. Six or more control points will be used for each photograph, with the RMS (root mean squared) errors kept below 1m for each control point. This will

²² British Geological Survey, Geology of Britain Viewer <http://mapapps.bgs.ac.uk/geologyofbritain/home.html> (accessed on 27 July 2017)

²³ Cranfield University, *Soilscales* <http://www.landis.org.uk/soilscales/> (accessed on 27 July 2017)

²⁴ Winton, H., Standards for National Mapping Programme projects, Version 0.1 Draft, Historic England, Aerial Investigation and Mapping, 2018.

²⁵ Historic England (2017) *Aerial Investigation and Mapping*. Available at: <https://historicengland.org.uk/research/methods/airborne-remote-sensing/aerial-investigation/> (accessed on 27 July 2017)

²⁶ English Heritage, Management of Research Projects in the Historic Environment (MoRPHE) Project Planning Note (PPN) 7: Interpretation and mapping from aerial photographs and other aerial remote sensed data, 2012, Version 1.0. <https://historicengland.org.uk/images-books/publications/morphe-project-planning-note-7/> (accessed on 27 July 2017)

²⁷ Historic England, Forum in Information Standards in Heritage (FISH) Thesauri: EH Monument Type Thesaurus. http://thesaurus.historicengland.org.uk/thesaurus.asp?thes_no=1 (accessed on 27 July 2017)

provide accuracy of within 1m to the OS Mastermap for the orthorectified images.

- 8.1.39. The OS advise that their 1:2,500 scale Mastermap data has an accuracy of 0.5m RMSE (root mean squared error). Therefore, archaeological features transcribed from images orthorectified using this data will on average be accurate to within 1m-2m of their British national grid (BNG) coordinates.

Transcription

- 8.1.40. Orthorectified images will then be imported into ArcMap 10.4.1, which will be used to create the detailed digital transcription necessary to fully interpret the archaeological or historic features visible on the aerial imagery. Where possible, all features are to be transcribed as polygons; avoiding the use of lines.
- 8.1.41. T-hachures will be used to represent scarp edges or other similar earthworks. As there is no facility within GIS to create these, two lines representing the top and bottom edges of the slope will be exported to AutoCAD, where the T-hachures will be drawn using an automated tool. They will then be imported into GIS as shapefiles (.shp) and copied into the transcription geodatabase. The lines representing the top and bottom edges of the slope will then be discarded.
- 8.1.42. As already noted under Section 8.1.35 above, to ensure consistency with other similar remote sensing datasets, this aerial analysis and transcription will be undertaken in accordance with current NMP standards and guidance. As such the identified features will be transcribed onto the standard NMP drawing layers using standard NMP conventions. The layers and colours indicated can vary between NMP projects, as appropriate (e.g. some may include specific layers for WWII anti-tank cubes or barbed wire, where necessary). Those to be used in this project are set out in Table 8-1, below:

Layer name	Colour	Description
Bank	Red	Defines the outline of positive features such as boundary banks or windmill mounds. Thin banks, or those too diffuse to define accurately, are included on this layer as a single line.
Ditch	Light green	Defines the outline of negative features such as boundary ditches or hollow ways. Thin ditches, or those too diffuse to define accurately, are included on this layer as a single line.
Large cut feature	Blue	Defines the outline of sizeable negative features such as quarries or extractive pits.
Levelled ridge and furrow outline or direction	Magenta	Defines the outline of a single block of ridge and furrow seen either as a cropmark or an earthwork later known to have been levelled. An arrow within each single block indicates the direction of ploughing.
Extant ridge and furrow outline or direction	Cyan	Defines the outline of a single block of ridge and furrow seen as earthworks on the latest available remote sensed imagery. An arrow within each single block indicates the direction of ploughing.

Layer name	Colour	Description
Extent of area / large area feature	Malachite green	Defines the extent of large features such as the perimeters of WWII airfields and military camps. Although the NMP usually uses grey for this layer, teal has been selected here to avoid confusion with the basemap.
T-hachure	Dark blue	Top of the 'T' defines the top of a slope or scarp edge such as a lynchet or house platform. Body of the 'T' indicates the length and direction of the slope.
Structure / building	Purple	Defines the extent of surviving buildings and structures such as individual World War II Nissen Huts and pillboxes. Thin structures such as walls or concrete paths are included in this layer as a single line.

Table 8-1: Layers used in GIS for digital transcription of archaeological features

Table based on Winton, H., (2018), Section 7.5. P31.

8.1.43. Tables 8-2 and 8-3 show period ranges and evidence types that will be used in the GIS attribute tables. The evidence types identify the form in which a feature is visible on the aerial imagery used for the transcription.

Period	Date range
Neolithic	4,000 – 2,200 BC
Bronze Age	2,200 – 700 BC
Iron Age	800 BC – AD 43
Roman	AD 43 – 410
Early medieval	AD 410 - 1066
Medieval	AD 1066 - 1540
Post-medieval	AD 1540 - 1901
20 th century	AD 1901 - 2000
World War II	1939 - 1945
Uncertain	

Table 8-2: Period ranges to be used in the GIS attribute data

Evidence
Cropmark (includes soilmarks)
Earthwork
Levelled earthwork
Destroyed monument (i.e. quarried-away)
Structure
Demolished structure

Table 8-3: Evidence types to be used in the GIS attribute data

8.1.44. Information relating to each of the transcribed features will be recorded in the ArcMap attribute data table. This will include details such as the interpretation of each feature, with a brief description, as well as the existing HER and NRHE record numbers (if applicable). The references of aerial images used in each transcription from the Historic England Archive, HER, or Heathrow aerial imagery catalogue number will be cited in the Source column, to facilitate retrieval and review of this data source at a future date if necessary. Each feature will also be assigned a unique identifier, which will be used to group multiple polygons used to map a single settlement site, for example. An example of an attribute data table is shown in Table 8-4, below.

Unique identifier	NRHE	HER	Period	Type	Evidence	Description	Source

Table 8-4: Example attribute data table for each feature transcribed

Table 1 based on Winton, H., (2018), Section 7.5. P31.

8.1.45. It is possible that upon wider dissemination of the project results to local HERs and the Historic England Archive etc (see Section 8.1.48, below); an additional attribute data column containing a copyright statement (if applicable) and the project name may be included. This will assist in identifying the source of this survey data.

Quality Assurance (QA)

- 8.1.46. Historic England will be undertaking a quality assurance exercise as part of this project. It has been agreed that this will comprise a half day meeting at the Historic England Archive Public Search Room (PSR). This will focus on the results of a 5% sample of the aerial analysis and transcription study area, to be chosen by the IDT personnel undertaking this task. It will not be required to supply the source imagery or transcriptions in advance of this meeting.

Deliverables / output

Transcription

- 8.1.47. The primary output of the archaeological aerial analysis and transcription will be the detailed digital transcription of each identified potential archaeological feature. Information relating to the interpretation of these features is contained within the attribute data of every line and polygon drawn within ArcMap (see Section 8.1.42, above).

Report

- 8.1.48. The transcription will be accompanied by a brief report summarising the overall results, and highlighting any features of interest. It will also include a discussion of factors which may have affected the identification and interpretation of features.
- 8.1.49. This will contain a gazetteer of the results, which will be derived from the GIS attribute data of each line and polygon transcribed. This will be accompanied by a series of figures showing the overall transcriptions across the study area.
- 8.1.50. This is not intended to be a detailed and lengthy report as this dataset is to be integrated into the wider historic environment baseline assessment, which is where the discussion of local/regional/national significance of the features identified will take place.

Dissemination of results

- 8.1.51. As well as being distributed within the Heathrow Expansion Project historic environment team and wider IDT (Integrated Design Team); it is intended that the aerial analysis and transcription dataset should be disseminated to the relevant local HERs, for inclusion in their database. It will also be disseminated to the Historic England Archive, for inclusion with the NMP dataset. The copyright of this dataset will be defined prior to issue.
- 8.1.52. It is not intended to create a project database from the results of this aerial analysis and transcription project, nor will it be possible to create and input monument records directly into the HER and/or NRHE (as would sometimes be the case for an NMP project).

References

Creator	Title	Publisher	Date
British Geological Survey	<i>Geology of Britain Viewer.</i> ²²	British Geological Survey	2017
Cranfield University	<i>Soilscales.</i> ²³	Cranfield University	2017
Edis, J.	<i>The Classification of Cropmarks in Kent: A Report for the Monuments Protection Programme.</i> ²⁰	Air Photography Unit, Royal Commission on the Historical Monuments of England (RCHME)	1989
English Heritage	<i>Management of Research Projects in the Historic Environment (MoRPHE) Project Planning Note (PPN) 7: Interpretation and mapping from aerial photographs and other aerial remote sensed data. Version 1.0.</i> ²⁶	English Heritage	2012
Fenner, V., Dyer, C.	<i>Thames Valley Project: A Report for the National Mapping Programme.</i> ¹⁸	Air Photography Unit, Royal Commission on the Historical Monuments of England (RCHME)	1994
Fenner, V.	<i>Crop Marks in Hertfordshire: A Report for the National Mapping Programme.</i> ¹⁹	Air Photography Unit, Royal Commission on the Historical Monuments of England (RCHME).	1992
Historic England	<i>Aerial Investigation and Mapping.</i> ²⁵	Historic England	2017
Historic England	<i>Forum in Information Standards in Heritage (FISH) Thesauri: EH Monument Type Thesaurus.</i> ¹²	Historic England	2017
Winton, H	<i>Standards for National Mapping Programme projects, Version 0.1 Draft.</i> ²⁴	Historic England, Aerial Investigation and Mapping.	2018



Heathrow Expansion

Designated heritage assets within the study area
(scheduled monuments, listed buildings and conservation areas)

Appendix 11.2

**Designated heritage assets within the study area
(scheduled monuments, listed buildings and
conservation areas)**



Heathrow Expansion

Designated heritage assets within the study area
(scheduled monuments, listed buildings and conservation areas)

1.1 Designated heritage assets - scheduled monuments

- 1.1.1 Scheduled monuments (SM's) are nationally important archaeological sites included within the National Heritage List for England (NHLE). The NHLE is the official register of all nationally protected (designated) historic buildings and sites in England.
- 1.1.2 There are seven SM's within the historic environment study area.

Table 11.2.1 Scheduled Monuments within the historic environment study area

List number	Title	List description summary
1002042	Romano-British site 1000yds (910m) W of East Bedfont parish church	The monument consists of a complex of soilmarks and cropmarks showing circles, enclosures and small fields, possibly a Romano-British settlement. Together with SM 1002043, the monument forms part of a group of cropmarks on the southern edge of Heathrow Airport identified by air photography. The site includes a series of rectilinear enclosures and ring ditches, with a less distinct area of possible pits and curvilinear features to the south representing part of a later prehistoric/Romano-British settlement and its associated field systems. The area immediately to the north west was destroyed by Esso Petroleum Company's West London Terminal Depot and excavation in 1971-2 revealed in that area a single Bronze Age ring ditch, several Iron Age hut circles and a multi-phase ditch system. (Legacy Entry – Old County Number).
1002043	Part of a causewayed enclosure, 632m north-east of Mayfield Farm	The monument includes the western part of a causewayed enclosure surviving as archaeological remains which are visible as soilmarks and cropmarks on aerial photographs. It is situated on gently sloping ground bordering the A30, just south of Stanwell Road near Heathrow Airport. The enclosure has been truncated by the A30 and a housing estate but about three quarters of it survives to the west and is the subject of this scheduling. It is double-ditched and curvilinear in shape with a flattened south-west side. The outer ditch would have originally enclosed an area of approximately 245m by 220m (about 4 hectares). The inner ditch would have enclosed an area of approximately 170m by 155m (about 1.9 hectares). The two ditches vary between 22m and 43m apart. Several possible causeways are visible, with a well-defined entrance to the WNW and other breaks in both circuits. In 1987, a geophysical survey was carried out on the site and subsequent fieldwalking recovered a scatter of flints of predominantly Late Neolithic or Early Bronze Age type. In 1988, partial excavation recovered Late Bronze Age pottery from the secondary ditch silts. In 1996, the Royal Commission on the Historical Monuments of England (RCHME) carried out a



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Designated heritage assets within the study area

(scheduled monuments, listed buildings and conservation areas)

List number	Title	List description summary
		<p>photogrammetric survey of the area. The monument is similar in form to a Neolithic causewayed enclosure identified between Wraysbury and Staines. A narrow linear ditch abuts the outside of the enclosure on the north-west side and other faint rectilinear features have been identified, which are possible field boundaries. Together with surface finds of Romano-British pottery, these are likely to relate to later use and occupation of the area.</p>
1003807	Bronze Age settlement, W of Runnymede Bridge	<p>The monument includes a Late Bronze Age settlement surviving as buried archaeological remains. It is situated on a floodplain on the south bank of the River Thames, opposite the confluence of the Thames and the Colne Brook. The site is located to the west of Runnymede Bridge on an area of flat ground, within a sequence of river channel sediments and layers of alluvial deposition.</p> <p>Excavation has shown that the site includes a large number of post holes and a wattle and daub spread including a double row of in-situ pile driven timber uprights forming a river frontage. The finds recovered include part of a spearhead and socketed axe fragment, pins, 'buttons', rings, possible pommel, two pairs of tweezers, amber beads, spindle whorls, a loom weight and worked bone objects. This bronze assemblage was dated to the 9th-8th century BC.</p> <p>The area to the east was partially excavated in advance of the construction of a new bridge for the M25 between 1972 and 1980. Later research excavations were carried out to the west, between Runnymede Hotel and the M25, by the British Museum between 1984 and 1989. It indicates that indigenous metalworking was carried out on the site and that the settlement also formed an important point of trade. The present site represents a continuation of Bronze Age settlement remains uncovered immediately to the east, prior to the construction of the M25. Climatic deterioration was probably responsible for the later abandonment of the riverside site. The excavations also yielded earlier evidence of Mesolithic and Neolithic occupation.</p>
1003807	Bronze Age settlement, W of Runnymede Bridge	<p>The monument includes a Late Bronze Age settlement surviving as buried archaeological remains. It is situated on a floodplain on the south bank of the River Thames, opposite the confluence of the Thames and the Colne Brook. The site is located to the west of Runnymede Bridge on an area of flat ground, within a sequence of river channel sediments and layers of alluvial deposition.</p> <p>Excavation has shown that the site includes a large number of post holes and a wattle and daub spread including a double row of</p>



Heathrow Expansion

Designated heritage assets within the study area

(scheduled monuments, listed buildings and conservation areas)

List number	Title	List description summary
		<p>in-situ pile driven timber uprights forming a river frontage. The finds recovered include part of a spearhead and socketed axe fragment, pins, 'buttons', rings, possible pommel, two pairs of tweezers, amber beads, spindle whorls, a loom weight and worked bone objects. This bronze assemblage was dated to the 9th-8th century BC.</p> <p>The area to the east was partially excavated in advance of the construction of a new bridge for the M25 between 1972 and 1980. Later research excavations were carried out to the west, between Runnymede Hotel and the M25, by the British Museum between 1984 and 1989. It indicates that indigenous metalworking was carried out on the site and that the settlement also formed an important point of trade. The present site represents a continuation of Bronze Age settlement remains uncovered immediately to the east, prior to the construction of the M25. Climatic deterioration was probably responsible for the later abandonment of the riverside site. The excavations also yielded earlier evidence of Mesolithic and Neolithic occupation.</p>
1005920	Schoolhouse (Lord Knyvett's)	<p>The monument includes a former school building founded in 1624 from the will of Lord Thomas Knyvet. It is two storeys high and constructed of brick with a pitched tiled roof. The building originally formed a single composition of two three-bay halves. The west front has two doorways with heavy flat plastered surrounds and pediments. It was formerly a pattern school with separate boys and girls entrances. The left hand side was later altered into one high room and used as the main school building with the right hand side becoming the master's house.</p> <p>Flanking the left entrance are two tall 20th century two-light double transomed windows. A single storey extension was added to the north side in the 20th century. At the centre of the west front is a tablet with a coat of arms commemorating Lord Knyvet. Lord Knyvet was granted the Manor of Stanwell by King James I in 1603. He served a long and distinguished career at court and helped foil the gunpowder plot whilst working as Keeper of Whitehall Palace in 1605. He later acted as Privy Councillor to Queen Anne. Following his death in July 1622 he provided for the foundation of the free school at Stanwell in his will.</p> <p>The former school building is listed Grade II*.</p>
1006944	Two concentric ditches showing as crop marks at Thorney	Two concentric ditches showing as crop marks at Thorney (Legacy Entry - Old County Number).
1006995	Early medieval and medieval palace and	Early medieval and medieval palace and associated monuments, Kingsbury (Legacy Entry - Old County Number).



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Designated heritage assets within the study area

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List number	Title	List description summary
	associated monuments, Kingsbury	
1007943	Ankerwyke Priory: a Benedictine nunnery with associated moat and fishponds	The monument includes the site of Ankerwyke Priory, a Benedictine nunnery situated on the north bank of the River Thames. Today the remains consist of a portion of a ruined 13th century building, Listed Grade II, moat, fishponds and an extensive area of earthworks. The standing remains represent the north-eastern corner of a once substantial two storied building, orientated east to west with portions of walling surviving 8m to 10m long and up to 3m high. Three window openings can be recognised in the walling, their styles suggesting 13th, 15th and 17th century phases of construction. The fabric of the building is of random chalk boulder and rubble with chalk and sandstone dressings and later brick infilling. The earthwork remains are extensive and well preserved. In the pasture field to the immediate south of the standing walling and above the river floodplain is a substantial rectangular platform 50m square. Its interior is slightly hollowed and shows evidence for former occupation in the form of vegetation changes and surface irregularities. The platform is defined around the west and south sides by a ditch or moat, up to 12m wide and varying between 0.4m and 1.1m deep. The southern arm of this feature turns at its eastern end to run southwards for 100m, then turns north east to join with a natural water course. This feature probably functioned as part of a water management system, designed to protect the grounds of the nunnery from flooding. In the south-eastern corner of the enclosed area are two rectangular fishponds, both 50m long by 16m wide and set at right angles to one another. Beyond the enclosed grounds of the nunnery are various less clearly defined earthworks believed to be associated with the nunnery. These include, to the north, a series of ill-defined surface undulations and, in the south, a possible third fishpond and causeway. All modern buildings and boundary features are excluded from the scheduling although the ground beneath them is included.

1.2 Designated heritage assets - listed buildings

1.2.1 Listed buildings (LB's) are historic buildings of special interest that are contained within the NHLE. LB's can be listed at Grade I, II* or II.

1.2.2 There are 228 listed buildings within the historic environment study area:

1. Four Grade I listed buildings classed as being of exceptional interest;



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Designated heritage assets within the study area
(scheduled monuments, listed buildings and conservation areas)

2. 16 Grade II* listed buildings classed as being of more than special interest; and
3. 208 Grade II listed buildings classed as being of special interest.

Table 11.2.2 Listed buildings within the historic environment study area

List Number	Title	Grade	Location
1028925	Boat House North End Of Runnymede Meadows Between Windsor Road And River Thames	II	Runnymede, Surrey, SL4
1067584	Milestone 13 Miles From London	II	Hounslow, London, TW14
1067589	Bedfont House	II	Hounslow, London, TW14
1074922	Holmwood	II	Hounslow, London, TW14
1074923	The Farm [REDACTED]	II	Hounslow, London, TW14
1080118	K6 Telephone Kiosk In Front Of Five Bells Public House	II	Hillingdon, London, UB7
1080119	Pair Of K6 Telephone Kiosks In Front Of Number 85, North Of Church Road, The Green	II	Hillingdon, London, UB7
1080123	Harmondsworth Hall	II	Hillingdon, London, UB7
1080124	Wall And Gates To South Of Harmondsworth Hall	II	Hillingdon, London, UB7
1080125	Wall To West And North Of The Grange	II	Hillingdon, London, UB7
1080129	1, Swan Road	II	Hillingdon, London, UB7
1080138	Elder Farmhouse	II	Hillingdon, London, UB3
1080149	Bridge Over River Crane	II	Hillingdon, London, UB3
1080157	Cranford House Stables	II	Hillingdon, London, UB3
1080158	Walls To North Of Stables	II	Hillingdon, London, UB3
1080163	Church Of St Peter And St Paul	I	Hillingdon, London, UB3
1080164	The King William Iv Public House	II	Hillingdon, London, UB7
1080195	Harlington Baptist Church	II	Hillingdon, London, UB3
1080196	The Dower House	II	Hillingdon, London, UB3
1080197	Forecourt Wall To The Dower House	II	Hillingdon, London, UB3



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Designated heritage assets within the study area
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List Number	Title	Grade	Location
1080198	The White Hart Public House	II	Hillingdon, London, UB3
1080199	Acacia House	II	Hillingdon, London, UB7
1080200	Howcroft (Rear Part Only)	II	Hillingdon, London, UB7
1080201	Church Of St Mary, Harmondsworth	II*	Hillingdon, London, UB7
1080202	The Crown Public House	II	Hillingdon, London, UB7
1080217	The Lodge	II	Hillingdon, London, UB7
1080218	Wall To East Of The Lodge	II	Hillingdon, London, UB7
1080219	Lanz Farmhouse	II	Hillingdon, London, UB7
1080247	15, The Green	II	Hillingdon, London, UB7
1080248	Number 25, Including Wall And Stable Building Behind	II	Hillingdon, London, UB7
1080249	Elmsdale House	II	Hillingdon, London, UB7
1080250	The Old House	II	Hillingdon, London, UB7
1080251	Wall To East Of Barn To South Of Avenue Cottage	II	Hillingdon, London, UB7
1080252	Forecourt Walls To West Of Southlands	II	Hillingdon, London, UB7
1080253	Front Wall And Gates To Number 24	II	Hillingdon, London, UB7
1080275	Wall And Gate Piers To North Of The Old Gatehouse	II	Hillingdon, London, UB7
1080276	Walls To North And West Of Land Of Gatehouse Nurseries	II	Hillingdon, London, UB7
1080277	Wall In Front Of Numbers 30 To 36 (Even)	II	Hillingdon, London, UB7
1080296	King Henry Public House The Stables	II	Hillingdon, London, UB7
1080297	Longford Close	II	Hillingdon, London, UB7
1080298	Flats 1-3 (Yeomans)	II	Hillingdon, London, UB7
1080299	King's Bridge	II	Hillingdon, London, UB7
1080305	Stansfield House	II	Hounslow, London, TW5
1080306	The Village Lock-Up (Also Known As The Round House)	II	Hounslow, London, TW5



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Designated heritage assets within the study area
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List Number	Title	Grade	Location
1080324	Burlington House And Flanking Walls Of Burlington House	II	Hounslow, London, TW14
1080325	Green Man Public House	II	Hounslow, London, TW14
1088096	Baber Bridge	II	Hounslow, London, TW14
1096071	Brentford Fountain Western International Market	II	Hounslow, London, UB2
1096132	Gates Monument At St Marys Church	II	Hounslow, London, TW14
1096133	Brick Chest Tomb South Of Gates Monument At St Marys Church	II	Hounslow, London, TW14
1096134	Captain Millers Headstone At St Marys Church	II	Hounslow, London, TW14
1096135	Group Of Three 18th Century Headstones St Marys Church	II	Hounslow, London, TW14
1096136	18th Century Headstone St Marys Church	II	Hounslow, London, TW14
1096137	Headstone To Mary Taylor St Marys Church	II	Hounslow, London, TW14
1117604	Greenwood	II	Wraysbury, Windsor and Maidenhead, TW19
1117605	The Old Vicarage	II	Wraysbury, Windsor and Maidenhead, TW19
1117606	Church Of St Andrew	II*	Wraysbury, Windsor and Maidenhead, TW19
1117642	Little Court	II	Horton, Windsor and Maidenhead, SL3
1117643	The Old Rectory	II	Horton, Windsor and Maidenhead, SL3
1117644	Church Of St Michael	I	Horton, Windsor and Maidenhead, SL3
1117645	The Five Bells Public House	II	Horton, Windsor and Maidenhead, SL3
1117646	Magna Carta House	II	Wraysbury, Windsor and Maidenhead, TW19
1117647	Tithe Farm Cottage	II	Wraysbury, Windsor and Maidenhead, TW19
1119717	Monument At North Western End Of General Roys Survey Base	II	Hillingdon, London, TW6
1124367	The Ostrich Public House	II*	Colnbrook with Poyle, Slough, SL3
1124368	Town House	II	Colnbrook with Poyle, Slough, SL3



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List Number	Title	Grade	Location
1124369	Excelsior House	II	Colnbrook with Poyle, Slough, SL3
1124376	Barn At Tanhouse Farm To South East Of The Farmhouse	II	Colnbrook with Poyle, Slough, SL3
1124379	Sutton Court Farmhouse	II	Iver, South Bucks, Buckinghamshire, SL3
1124382	Stable Range At Thorney Farm	II	Iver, South Bucks, Buckinghamshire, SL0
1124383	St Thomas's Vicarage	II	Colnbrook with Poyle, Slough, SL3
1124403	Barn To Rear Of Aberdeen House	II	Colnbrook with Poyle, Slough, SL3
1124405	Ayres House (Bt And G Winston Premises)	II	Colnbrook with Poyle, Slough, SL3
1124406	Lucas (Newsagent)	II	Colnbrook with Poyle, Slough, SL3
1124407	Milestone Outside No 3 Milestone Cottages	II	Colnbrook with Poyle, Slough, SL3
1124408	Number 110 And House Adjoining To West (Anthonys (79) Ltd)	II	Colnbrook with Poyle, Slough, SL3
1135929	Horton Cedars	II	Horton, Windsor and Maidenhead, SL3
1135966	Lych Gate To North Of Church Of St Michael	II	Horton, Windsor and Maidenhead, SL3
1135976	King Johns Hunting Lodge	II*	Wraysbury, Windsor and Maidenhead, TW19
1164451	The Red Lion Public House	II	Colnbrook with Poyle, Slough, SL3
1164470	Park House And Ye Olde George Public House	II	Colnbrook with Poyle, Slough, SL3
1164740	Thorney House	II	Iver, South Bucks, Buckinghamshire, SL0
1164843	The Tower Arms Public House	II	Iver, South Bucks, Buckinghamshire, SL0
1164886	Former School (Now Colnbrook Youth Centre)	II	Colnbrook with Poyle, Slough, SL3
1180958	St George's Meadows	II	Hillingdon, London, UB7
1181190	Church Of St Dunstan	II*	Hillingdon, London, UB3
1181206	Curved Wall To South Of West End Of Stables	II	Hillingdon, London, TW5
1181370	Walls To North Of Church Of Saint Peter And Saint Paul	II	Hillingdon, London, UB3
1181607	Fray's Cottage Old Mill House	II*	Hillingdon, London, UB7



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List Number	Title	Grade	Location
1187016	Milestone At Madbridge	II	Hillingdon, London, SL3
1187017	Callis Farmhouse	II	Spelthorne, Surrey, TW19
1187039	13, High Street	II	Spelthorne, Surrey, TW19
1187040	Brook Cottage, Boundary Walls And Iron Railings	II	Spelthorne, Surrey, TW19
1187041	Coachman's Cottage	II	Spelthorne, Surrey, TW19
1187042	Church Of St Mary	I	Spelthorne, Surrey, TW19
1187043	Frances Paterson Tomb In St Mary's Churchyard	II	Spelthorne, Surrey, TW19
1187044	Charles Rowlls Tomb In St Mary's Churchyard	II	Spelthorne, Surrey, TW19
1187045	Forecourt Wall And Gate Piers Of Dunmore House	II	Spelthorne, Surrey, TW19
1187046	The Vicarage	II	Spelthorne, Surrey, TW19
1187047	Old Farm Guest House	II	Spelthorne, Surrey, TW19
1187048	Granary About 15 Yards East Of No 56	II	Spelthorne, Surrey, TW19
1187049	Hithermoor Farmhouse	II	Spelthorne, Surrey, TW19
1187050	Barn And Stables 30 Yards West Of Hithermoor Farmhouse	II	Spelthorne, Surrey, TW19
1187054	Moor Cottage	II	Spelthorne, Surrey, TW19
1187057	Perry Green	II	Spelthorne, Surrey, TW19
1187058	Gates Piers And Gates To Stanwell Place	II	Spelthorne, Surrey, TW19
1187059	Badminton House, Post Office, Adjoining House And Hampton House	II	Colnbrook with Poyle, Slough, SL3
1187060	Kenilworth And Adjoining House	II	Colnbrook with Poyle, Slough, SL3
1187061	Star And Garter Public House	II	Colnbrook with Poyle, Slough, SL3
1187062	Barn To King John's Palace	II	Colnbrook with Poyle, Slough, SL3
1187063	The Hollies	II	Colnbrook with Poyle, Slough, SL3
1188725	Fawns Manor	II	Hounslow, London, TW14
1192507	The White Horse Public House	II	Hillingdon, London, UB7
1192588	Weekly House	II	Hillingdon, London, UB7
1193001	The Old Gatehouse	II*	Hillingdon, London, UB7



Heathrow Expansion

Designated heritage assets within the study area

(scheduled monuments, listed buildings and conservation areas)

List Number	Title	Grade	Location
1193014	Walls To East And South Of Garden Of Number 28 (Coombe House)	II*	Hillingdon, London, UB7
1193679	Barn To South Of Avenue Cottage	II	Hillingdon, London, UB7
1193735	The Olde Cottage	II	Hillingdon, London, UB7
1194282	268-272, High Street	II	Hillingdon, London, UB3
1194310	The Vicarage Tower House	II	Hillingdon, London, UB7
1194332	The Great Barn, Harmondsworth	I	Hillingdon, London, UB7
1194343	The Five Bells Inn	II	Hillingdon, London, UB7
1204803	Milestone	II	Spelthorne, Surrey, TW19
1204809	The Swan Public House	II	Spelthorne, Surrey, TW19
1204814	Boundary Wall Between No 40b And Entrance To Coachman's Cottage	II	Spelthorne, Surrey, TW19
1204863	John Hodges Vault In St Mary's Churchyard	II	Spelthorne, Surrey, TW19
1204875	Dunmore House	II*	Spelthorne, Surrey, TW19
1204882	46 And 48, High Street	II	Spelthorne, Surrey, TW19
1204896	Lord Knyvett's Adult Education Centre	II*	Spelthorne, Surrey, TW19
1204903	Barn 15 Yards West Of Hithermoor Farmhouse	II	Spelthorne, Surrey, TW19
1204906	Old Oak Cottage	II	Spelthorne, Surrey, TW19
1204925	Yeovaney Manor Lodge (North Wing, South Wing, Coach House And Pineapple Capped Gate Pier) Yeoveney Manor Lodge	II	Spelthorne, Surrey, TW19
1204965	1, 2 And 3, Park Street	II	Colnbrook with Poyle, Slough, SL3
1204982	Fairmead And The Haven	II	Colnbrook with Poyle, Slough, SL3
1204986	The White Hart Inn	II	Colnbrook with Poyle, Slough, SL3
1205057	Windsor House	II	Colnbrook with Poyle, Slough, SL3
1205094	Former Staines West Station Moor House	II	Spelthorne, Surrey, TW18
1240382	Engine House, Thames Water Station	II	Spelthorne, Surrey, TW18



Heathrow Expansion

Designated heritage assets within the study area

(scheduled monuments, listed buildings and conservation areas)

List Number	Title	Grade	Location
1240403	Building Adjoining Engine House To North East Thames Water Station	II	Spelthorne, Surrey, TW19
1240644	Marjory Kinnon School The Old School	II	Hounslow, London, TW14
1240696	The Rectory	II	Hounslow, London, TW5
1244863	Royal Standard House	II	Colnbrook with Poyle, Slough, SL3
1250772	Monument To William And Elizabeth Brookes In Churchyard Of Church Of St Peter And St Paul	II	Hillingdon, London, UB3
1268530	Technical Block A, Heathrow Airport	II	Hillingdon, London, TW6
1280897	City Post	II	Colnbrook with Poyle, Slough, SL3
1280920	King Johns Palace	II*	Colnbrook with Poyle, Slough, SL3
1281005	Henry Bullock Tomb In St Mary's Churchyard	II	Spelthorne, Surrey, TW19
1284844	The Pheasant Public House	II	Hillingdon, London, UB3
1284985	Sipson House	II	Hillingdon, London, UB7
1285085	Ha Ha Walls To South And South West Of Cranford House Stables	II	Hillingdon, London, UB3
1285115	Cellars Of Former Cranford House	II	Hillingdon, London, UB3
1285225	Colne Mead	II	Hillingdon, London, UB7
1286038	Southlands	II*	Hillingdon, London, UB7
1286043	24, The Green	II	Hillingdon, London, UB7
1286057	Wall To North Of Number 31	II	Hillingdon, London, UB7
1286058	33 And 33a, The Green	II	Hillingdon, London, UB7
1286076	27, The Green And Industrial Buildings Adjoining Behind Number 27	II	Hillingdon, London, UB7
1286104	1-11, The Green	II	Hillingdon, London, UB7
1286348	Walls In Front Of Numbers 52-58 (Even) And Along West End Of Property	II	Hillingdon, London, UB7
1286366	Walls Around St Martin's Churchyard	II*	Hillingdon, London, UB7
1286544	Barn To West Of Weekly House	II	Hillingdon, London, UB7
1286577	Longford Cottage	II	Hillingdon, London, UB7



Heathrow Expansion

Designated heritage assets within the study area
(scheduled monuments, listed buildings and conservation areas)

List Number	Title	Grade	Location
1298894	Windsor Cottage	II	Spelthorne, Surrey, TW19
1298895	40b, High Street	II	Spelthorne, Surrey, TW19
1298896	Anonymous Vault In St Mary's Churchyard	II	Spelthorne, Surrey, TW19
1298897	The Croft	II	Spelthorne, Surrey, TW19
1298900	Duncroft House	II	Spelthorne, Surrey, TW18
1298901	Cheyne Cottage	II	Spelthorne, Surrey, TW19
1298902	The Wheatsheaf Inn And Wheatsheaf Cottages	II	Spelthorne, Surrey, TW19
1298903	Abington	II	Colnbrook with Poyle, Slough, SL3
1298904	Colne Cottage	II	Colnbrook with Poyle, Slough, SL3
1298905	Poyle Farmhouse	II	Colnbrook with Poyle, Slough, SL3
1298921	Water-Pump Approximately 75 Yards East Of The Punchbowl Inn	II	Colnbrook with Poyle, Slough, SL3
1298922	Stanwell Farmhouse	II	Spelthorne, Surrey, TW19
1312996	Dairy At Berkin Manor At North East Corner Of House	II	Horton, Windsor and Maidenhead, SL3
1313011	Horton Lodge	II	Horton, Windsor and Maidenhead, SL3
1313015	Ashgood Farmhouse	II	Horton, Windsor and Maidenhead, SL3
1313022	The Perserverance Public House	II	Wraysbury, Windsor and Maidenhead, TW19
1313030	Downhams	II	Wraysbury, Windsor and Maidenhead, TW19
1313048	The Crown Public House And Attached Barn	II	Horton, Windsor and Maidenhead, SL3
1317589	Church Of St Thomas	II	Colnbrook with Poyle, Slough, SL3
1317656	Mill House And Tanhouse Farmhouse J R Swanston Plant And Engineer (Longford) Limited	II	Colnbrook with Poyle, Slough, SL3
1317757	34, High Street	II	Colnbrook with Poyle, Slough, SL3
1317805	Aberdeen House	II	Colnbrook with Poyle, Slough, SL3
1319361	Brookfield	II	Horton, Windsor and Maidenhead, SL3
1319362	Mildridge Farmhouse	II	Horton, Windsor and Maidenhead, SL3



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Designated heritage assets within the study area

(scheduled monuments, listed buildings and conservation areas)

List Number	Title	Grade	Location
1319363	Churchyard Wall To West Of Church Of St Michael	II	Horton, Windsor and Maidenhead, SL3
1319364	Ankerwyke Priory Ruins	II	Wraysbury, Windsor and Maidenhead, TW19
1319382	The George Inn	II	Wraysbury, Windsor and Maidenhead, TW19
1319383	Manor Farmhouse (Immediately North Of Church)	II	Wraysbury, Windsor and Maidenhead, TW19
1332739	Old Timbers	II	Iver, South Bucks, Buckinghamshire, SL3
1332745	Old School House	II	Colnbrook with Poyle, Slough, SL3
1358318	Pates Manor	II	Hounslow, London, TW14
1358320	Cranford Park Bridge	II	Hounslow, London, UB3
1358325	Church Of St Martin	II*	Hillingdon, London, UB7
1358326	Wall Running South From The Old Gatehouse And West Along Front Of Gatehouse Nurseries	II*	Hillingdon, London, UB7
1358327	Wall In Front Of Numbers 40 To 50 (Even)	II	Hillingdon, London, UB7
1358336	Queen River Cottage Willow Tree Cottage	II	Hillingdon, London, UB7
1358337	Orchard Cottage	II	Hillingdon, London, UB7
1358338	Wall To North West Of Weekly House	II	Hillingdon, London, UB7
1358345	Drayton Hall (Council Offices)	II	Hillingdon, London, UB7
1358346	Offices Of The Valentine Varnish And Lacquer Company	II	Hillingdon, London, UB7
1358349	The Frays	II*	Hillingdon, London, UB7
1358351	29, The Green	II	Hillingdon, London, UB7
1358352	Forecourt Walls To Number 31	II	Hillingdon, London, UB7
1358353	Avenue Cottage Avenue House (Flats 1-4)	II	Hillingdon, London, UB7
1358354	Walls To North And East Of Garden Of Southlands	II	Hillingdon, London, UB7
1358355	Hope Cottage	II	Hillingdon, London, UB7



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Designated heritage assets within the study area
(scheduled monuments, listed buildings and conservation areas)

List Number	Title	Grade	Location
1358366	The Sun House	II	Hillingdon, London, UB7
1358367	Manor Farmhouse	II	Hillingdon, London, UB7
1358368	The Gable Stores	II	Hillingdon, London, UB7
1358387	Wall To South Of East End Of Stables	II	Hillingdon, London, TW5
1358388	Garden Walls To West Of Cranford House Stables	II	Hillingdon, London, UB3
1358391	Wall To South Of Churchyard Of Church Of St Peter And St Paul	II	Hillingdon, London, UB3
1358403	Forecourt Wall To Number 85	II	Hillingdon, London, UB7
1358410	25, Holloway Lane	II	Hillingdon, London, UB7
1358411	The Railway Arms Public House	II	Hillingdon, London, UB7
1358413	The Grange	II	Hillingdon, London, UB7
1358414	Wall To East Of The Grange	II	Hillingdon, London, UB7
1360959	Church Of St Mary	II	Hounslow, London, TW14
1360961	Milestone 12 Miles From London	II	Hounslow, London, TW14
1376787	Gate Piers And Walls	II	Hounslow, London, TW14
1390714	Milestone	II	Spelthorne, Surrey, TW19
1393523	Stanwell War Memorial	II	Spelthorne, Surrey, TW19
1393676	War Memorial Cherry Lane Cemetery	II	Hillingdon, London, UB3
1409790	Road Traffic Hazard Sign	II	Hillingdon, London, UB3
1428695	Roman Catholic Church Of St Catherine	II	Hillingdon, London, UB7
1444965	Harlington War Memorial	II	Hillingdon, London, UB3

1.3 Designated heritage assets - Conservation Areas

- 1.3.1 Conservation Areas are areas identified and designated by local planning authorities as having special architectural and historic interest.
- 1.3.2 There are 11 Conservation Areas which lie partly or wholly within the historic environment study area.



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Designated heritage assets within the study area
(scheduled monuments, listed buildings and conservation areas)

Table 11.2.3 Conservation Areas within the historic environment study area

Conservation Area	Local Planning Authority
Botwell Thorne EMI Conservation Area	London Borough of Hillingdon
Cranford Park Conservation Area (Hillingdon)	London Borough of Hillingdon
Harlington Village Conservation Area	London Borough of Hillingdon
Harmondsworth Village Conservation Area	London Borough of Hillingdon
Longford Village Conservation Area	London Borough of Hillingdon
West Drayton Green Conservation Area	London Borough of Hillingdon
Bedfont Green Conservation Area	London Borough of Hounslow
Cranford Park Conservation Area (Hounslow)	London Borough of Hounslow
Old Windsor Conservation Area	Royal Borough of Windsor and Maidenhead
Colnbrook Conservation Area	Slough Borough Council
Staines Conservation Area	Spelthorne Borough Council
Stanwell Conservation Area	Spelthorne Borough Council



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Local Planning Authority health priorities

Appendix 12.1

Local Planning Authority health priorities



1. INTRODUCTION

- 1.1.1 As part of the scoping for the health chapter of the Environmental Statement (ES), a review of the health priorities of each Local Planning Authority area in the wider study area has been undertaken. This appendix presents the findings of that review. The objectives of the review were:
1. To capture the main health issues and priorities for each area
 2. To identify any information relevant to the Airport, locations/communities close to the Airport and vulnerable groups.
- 1.1.2 The review used a number of different documents for each Local Planning Authority area to identify issues and priorities. It reviewed Joint Strategic Needs Assessments (JSNAs) which are assessments of the current and future health and social care needs of the local community. There is no standard template or mandatory data set for a JSNA and local areas are free to undertake them in a way best suited to their local circumstances. This means they take very different forms. Most are very extensive and many are now web-based interfaces that are continuously updated, rather than single documents. They highlight needs, rather than identify priorities, and are more of a data resource for public health than an action plan.
- 1.1.3 It also reviewed Joint Health and Wellbeing Strategies (JHWSs) which are strategies for meeting the needs identified in JSNAs. They explain what the priorities for action are and are used to inform local commissioning and locally led initiatives. Again, there is no standard template for JHWSs so they take different forms.
- 1.1.4 Local health and wellbeing boards have responsibility for developing JSNAs and JHWSs. These boards are made up of Local Planning Authorities and Clinical Commissioning Groups. Health and wellbeing boards often include additional members such as local voluntary and community sector organisations, patient representatives, health and care professionals, experts and other local players. Therefore, JSNAs and JHWSs should reflect the perspectives of a range of stakeholders.
- 1.1.5 Health and wellbeing boards can choose to work together to produce JSNAs and/or JHWSs, covering their combined geographical area. Therefore, sometimes the JSNA may cover a larger area than the JHWS, as for example is the case for Spelthorne and Runnymede which are both included in the JSNA for the county of Surrey.
- 1.1.6 In addition to JSNAs and JHWSs, the review of health priorities looked relevant data in the Public Health Profile for each area. These Public Health Profiles are

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Local Planning Authority health priorities



produced by Public Health England (PHE) to provide a snapshot overview of a range of health-related data for each Local Planning Authority in England. This review looked at data including life expectancy, health inequalities as measured by differences in life expectancy, health assets and the wider determinants of health. It used this data to identify potential relevant health issues for each Local Planning Authority area, for example where measures for a determinant health are worse than the average for England.



2. REVIEW

Overview

- 2.1.1 This section summarises health priorities and issues for each of the ten Local Planning Authority areas in the wider study area using information taken from its JSNA and the JHWS. These Local Planning Authorities are:
1. South Bucks District Council
 2. London Borough of Ealing
 3. London Borough of Hounslow
 4. Spelthorne Borough Council
 5. Slough Borough Council
 6. The Royal Borough of Windsor and Maidenhead
 7. Runnymede Borough Council
 8. London Borough of Hillingdon
 9. London Borough of Richmond upon Thames
 10. London Borough of Wandsworth.
- 2.1.2 The section supplements the JSNA/JHWS information with summary information from Public Health Profile produced by PHE on the health of the population, health assets and wider determinants of health.

South Bucks District Council

The JSNA and JHWS

- 2.1.3 The JSNA covers the County of Buckinghamshire and has been updated for 2016 to 2020. The JSNA does not itself set priorities. It is structured in sections that consist of population characteristics, social determinants of health and population groups. Each of these sections is further broken down into sub-sections on specific determinants, population sub-groups or disease area. These sub-sections in some cases include conclusions and in others, recommendations.
- 2.1.4 The JHWS covers 2016-2021 (2017 revision). It has five key priorities:
1. Give every child the best start in life
 2. Keep people healthier for longer and reduce the impact of long term conditions
 3. Promote good mental health and wellbeing for everyone



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Local Planning Authority health priorities

4. Protect residents from harm
5. Support communities to enable people to achieve their potential and ensure Buckinghamshire is a great place to live.

Data on deprivation, health assets, wider determinants of health

- 2.1.5 The health of people in South Bucks is generally better than the England average. South Bucks is one of the 20% least deprived districts/unitary authorities in England. However about 10% (1,100) of children live in low income families. Life expectancy is 5.8 years lower for men and 7.2 years lower for women in the most deprived areas of South Bucks than in the least deprived areas. PHE data on health assets and the determinants of health for Bucks are generally better than the national average. The number killed and seriously injured on the roads is higher than the national average.

London Borough of Ealing

The JSNA and JHWS

- 2.1.6 The JSNA covers the area of the borough. In 2017 three chapters were updated. Other chapters date from 2016 or 2014. JSNA chapters are based on the six policy objectives of the “Fair Society, Healthy Lives” 2010 report:
1. Give every child the best start in life
 2. Enable all children, young people and adults to maximise their capabilities and have control over their lives
 3. Create fair employment and good work for all
 4. Ensure healthy standard of living for all
 5. Create and develop healthy and sustainable places and communities
 6. Strengthen the role and impact of ill-health prevention.
- 2.1.7 The JHWS covers the period 2016 to 2021. It defines four long-term ambitions:
1. Create and sustain good mental and physical health for children and adults at every stage of life
 2. Reduce health inequalities by improving outcomes for neighbourhoods and communities experiencing poor health
 3. Enable people of working age to participate as fully as possible in working life, to improve the health and economic outcomes for them and their families



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Local Planning Authority health priorities

4. Enable everyone to be healthy and independent for as long as possible, helping to prevent or delay the need for social and acute care.

2.1.8 There are four priority areas for action:

1. Develop a systems leadership approach to Health and Wellbeing
2. Make more extensive use of educational settings and workplaces as health-promoting environments
3. Address the broader social, economic, and environmental factors that can support people's ability to be healthy and make changes to improve their health
4. Support residents and communities to manage their health, prevent ill health and recover quickly from ill health.

Data on deprivation, health assets, wider determinants of health

2.1.9 The health of people in Ealing is varied compared with the England average. About 21% (14,800) of children live in low income families. Life expectancy for both men and women is higher than the England average. Life expectancy is 3.9 years lower for men and 2.5 years lower for women in the most deprived areas of Ealing than in the least deprived areas. PHE data on health assets and the determinants of health are in general in line with the national average. However, the percentage of people who use services who have control over their daily lives is lower. There are also high rates of air pollution and more overcrowded householders and injuries due to falls among older people than the national average.

London Borough of Hounslow

The JSNA and JHWS

2.1.10 The JSNA covers the area of the borough and was updated in 2017. The JSNA defines the following priority needs that were selected according to three criteria; needs that affect more than 200 people, AND have a serious impact on personal health, AND have poorly performing quantitative outcomes.

1. Cardiovascular and respiratory disease
2. Falls
3. Dementia
4. School readiness
5. Accidents in children aged 0-14
6. Obesity in children and adults



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Local Planning Authority health priorities

7. Physical activity
8. Air quality and noise
9. Cancer
10. Intimate partner violence
11. Termination of pregnancy
12. Learning disabilities.

2.1.11 The existing JHWS covers the period 2013 to 2017. It focuses on three key priorities:

1. Reduced differences in life expectancy between communities
2. Every child has the best possible start in life
3. Adults retain their independence and good health for longer.

Data on deprivation, health assets, wider determinants of health

2.1.12 The health of people in Hounslow is varied compared with the England average. About 21% (11,500) of children live in low income families. Life expectancy for women is higher than the England average. Life expectancy is 5.3 years lower for men and 4.6 years lower for women in the most deprived areas of Hounslow than in the least deprived areas. PHE data on health assets and the determinants of health are in general in line with the national average. However, a Hounslow has a lower percentage of people who use services who have control over their daily lives. Hounslow also has the worst measures for exposure to road, rail and air transport noise during the night in England. There are also more overcrowded householders and injuries due to falls among older people than the average for England.

Spelthorne Borough Council

The JSNA and JHWS

2.1.13 The JSNA covers the county of Surrey. It is a continuous process and is updated as additional information becomes available. The JSNA is structured in 30 sections. Some of these focus on particular health needs (e.g. sexual and reproductive health), others some on the needs of groups (e.g. adult carers) and others on the social determinants of health (e.g. economy, employment and deprivation).

2.1.14 The JHWS covers the Spelthorne Borough area and the period 2016 to 2019. It includes the following key priorities:



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Local Planning Authority health priorities

1. A borough where health inequalities are reducing amongst all ages
2. Develop a preventative approach (to prevent ill health and promote wellness)
3. Improve emotional and mental wellbeing
4. Safeguarding the population.

Data on deprivation, health assets, wider determinants of health

- 2.1.15 The health of people in Spelthorne is varied compared with the England average. About 14% (2,400) of children live in low income families. Life expectancy for both men and women is higher than the England average areas. Life expectancy is 6.2 years lower for men and 5.0 years lower for women in the most deprived areas of Spelthorne than in the least deprived. PHE data on health assets and the determinants of health for Surrey are generally better than the national average. The number killed and seriously injured on the roads is higher than the average for England.

Slough Borough Council

The JSNA and JHWS

- 2.1.16 The JSNA covers the area of the borough and the current version was updated in 2016. The JSNA states public health priorities include:
1. Crime reduction (violent crime and domestic abuse)
 2. Childhood obesity and oral health
 3. Child and parental mental health
 4. Prevention of and reduction of early deaths from cardiovascular disease.
- 2.1.17 The JSNA also includes sections on healthcare needs, population characteristics, social determinants of health and population groups, outlining unmet needs and recommendations.
- 2.1.18 The JHWS covers the period 2016 to 2020. It includes the following key priorities:
1. Protecting vulnerable children
 2. Increasing life expectancy by focusing on inequalities
 3. Improving mental health and wellbeing
 4. Housing.
- 2.1.19 It addresses these using five key principles:
1. Focus on prevention, early intervention and health promotion



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Local Planning Authority health priorities

2. Provide opportunities for individual and community empowerment and volunteering
3. Promote a culture of self care and personal responsibility
4. Achieve more for less by making the very best use of resources
5. Engage in an on-going dialogue with our residents, communities and patients.

Data on deprivation, health assets, wider determinants of health

2.1.20 The health of people in Slough is varied compared with the England average. About 19% (6,900) of children live in low income families. Life expectancy for men is lower than the England average. Life expectancy is 6.5 years lower for men and 4.1 years lower for women in the most deprived areas of Slough than in the least deprived areas. PHE data on health assets and the determinants of health are in general in line with the average for England.

The Royal Borough of Windsor and Maidenhead

The JSNA and JHWS

2.1.21 The JSNA covers the borough. It was updated in 2017. The JSNA is divided into chapters which are further divided into sections. The chapters are structured using a life course approach:

1. Starting well
2. Developing well
3. Living and working well
4. Ageing well.

2.1.22 There is also a section on the wider determinants of health and vulnerable groups. Each of these sections includes between one and 20 recommendations aimed at the Local Planning Authority, the Clinical Commissioning Group (CCG), specific service providers and departments and other organisations.

2.1.23 The JHWS covers the period 2016 to 2020. It includes 3 themes and 12 Priorities Provide the Framework for Action (page 8):

1. Theme 1 - Supporting a healthy population
 - a. Priority 1 – Enable more children and adults to be at a healthy weight
 - b. Priority 2- Lower risky levels of alcohol intake.
 - c. Priority 3 - Get more people to be more active more often



- d. Priority 4- Empower people to be educated to ‘Self Care’
- 2. Theme 2 - Prevention and early intervention
 - e. Priority 5 – Enable a reduction in levels of cardiovascular disease
 - f. Priority 6 -Support people to have early diagnosis of dementia
 - g. Priority 7 – Support adults and children with mental health needs
 - h. Priority 8 – Assist and empower people with long term conditions
- 3. Theme 3 - Enable residents to maximise their capabilities and life chances
 - i. Priority 9 – Facilitate participation in education, training, work, social and community activities
 - j. Priority 10 – Support carers of all ages
 - k. Priority 11 – Enable health and wellbeing through regeneration and sustainable planning, including housing
 - l. Priority 12- Promote and enable greater independence for people.

Data on deprivation, health assets, wider determinants of health

- 2.1.24 The health of people in Windsor and Maidenhead is generally better than the England average. Windsor and Maidenhead is one of the 20% least deprived districts/unitary authorities in England, however about 9% (2,400) of children live in low income families. Life expectancy for both men and women is higher than the England average. Life expectancy is 5.8 years lower for men and 4.8 years lower for women in the most deprived areas of Windsor and Maidenhead than in the least deprived areas. PHE data on health assets and the determinants of health are in general better than the average for England. However, it has lower rates of utilization of outdoor space for exercise.

Runnymede Borough Council

The JSNA and JHWS

- 2.1.25 The JSNA covers the county of Surrey, which also covers Spelthorne. It is a continuous process and is updated as additional information becomes available. The JSNA is structured in 30 sections. Some of these focus on particular health needs (e.g. sexual and reproductive health), others some on the needs of groups (e.g. adult carers) and others on the social determinants of health (e.g. economy, employment and deprivation).
- 2.1.26 The JHWS was refreshed in 2016. It includes five priorities:



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1. Improving children's health and wellbeing
2. Developing a preventative approach
3. Promoting emotional wellbeing and mental health
4. Improving older adults' health and wellbeing
5. Safeguarding the population.

Data on deprivation, health assets, wider determinants of health

2.1.27 The health of people in Runnymede is generally better than the England average. Runnymede is one of the 20% least deprived districts/unitary authorities in England, however about 12% (1,600) of children live in low income families. Life expectancy for both men and women is higher than the England average. Life expectancy is 6.2 years lower for men and 5.7 years lower for women in the most deprived areas of Runnymede than in the least deprived areas. PHE data on health assets and the determinants of health for Surrey are generally better than the national average. The number killed and seriously injured on the roads is higher than the average for England.

London Borough of Hillingdon

The JSNA and JHWS

2.1.28 The JSNA covers the London Borough of Hillingdon. Sections are updated regularly when new information becomes available. It includes seven priority themes:

1. Promoting healthier lifestyles
2. Improved co-ordination of joint health and social care working
3. Safeguarding, prevention and protection
4. Community-based, resident-focussed services
5. Promoting economic resilience
6. Preserving and protecting the environment
7. Reducing disparities in health outcomes.

2.1.29 The existing JHWS covers the period 2014 to 2017 (a draft strategy for the period 2018 to 2021 is available but has not been finalised). The strategy includes four priorities:

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Local Planning Authority health priorities



1. Improve health and wellbeing and reduce inequalities - we know that people will feel better and be healthier if they are more active and are able to access facilities across Hillingdon
2. Invest in prevention and early intervention – we need to spend more on preventing disease and illness. The sooner health and social care are delivered, the better the chance of a good outcome
3. Develop integrated, high quality social care and health services within the community or at home - the Care Act 2014 is designed to create a more joined up set of services for our patients, their families and carers. We want to make this the normal experience for the people of Hillingdon
4. Creating a positive experience of care - we will tailor our services in a more personalised way which will be achieved by listening to views and experiences.

Data on deprivation, health assets, wider determinants of health

- 2.1.30 The health of people in Hillingdon is varied compared with the England average. About 20% (12,000) of children live in low income families. Life expectancy for both men and women is higher than the England average. Life expectancy is 6.1 years lower for men and 5.5 years lower for women in the most deprived areas of Hillingdon than in the least deprived areas. PHE data on health assets and the determinants of health for Hillingdon in general show similar values to the England average. However, there are a higher percentage of overcrowded households.

London Borough of Richmond upon Thames

The JSNA and JHWS

- 2.1.31 The JSNA covers the London Borough of Richmond upon Thames. Sections are updated regularly when new information becomes available. The JSNA outlines the specific aim to: Enable people to have access to high-quality information and lifestyle interventions that prevent their health and care needs becoming serious. It includes priorities to create healthy communities – harnessing local community assets to support people and their carers and re-shape healthy lifestyles services and embedding self-care. It includes recommendations and conclusions in most of its sections on needs assessments, rather than priorities.
- 2.1.32 The JHWS covers the period 2016 to 2021. It includes priorities and proposed action around three themes: Start Well which covers child and family services; Live Well which includes prevention services and healthy environments; and Age Well which focuses on integrating health and social care services, carers and helping people age well.

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Local Planning Authority health priorities



Data on deprivation, health assets, wider determinants of health

- 2.1.33 The health of people in Richmond upon Thames is generally better than the England average. Richmond upon Thames is one of the 20% least deprived districts/unitary authorities in England, however about 10% (3,300) of children live in low income families. Life expectancy for both men and women is higher than the England average. Life expectancy is 5.8 years lower for men and 3.3 years lower for women in the most deprived areas of Richmond upon Thames than in the least deprived areas. PHE data on health assets and the determinants of health for Richmond upon Thames in general show better values to the England average. However, the utilisation of outdoor space for exercise and health reasons is lower than the average for England.

London Borough of Wandsworth

The JSNA and JHWS

- 2.1.34 The JSNA covers the London Borough of Wandsworth. The section on children dates from 2015 and the other sections from 2014. The JSNA does not include priorities as such. It includes key messages around of health needs (e.g. mental health, childhood immunisation), diseases (e.g. TB), vulnerable groups (e.g. looked after children) and determinants of health (e.g. access to open spaces).
- 2.1.35 The existing JHWS covers the period 2015 to 2020. It includes three priorities with defined areas of action:
1. Healthy Places. We will work to ensure regeneration and development schemes are opportunities to improve people's health and wellbeing. Action on:
 - m. Urban design
 - n. Healthy homes
 - o. Building community assets
 - p. Health protection
 2. Targeted interventions. We will identify the people most in need and deliver holistic programmes that address their health needs. Action on:
 - q. Target those in most need
 - r. Support employment
 - s. Intensive interventions
 - t. Develop health living hubs
 3. Mental health. We will make mental health as important as physical health in improving health and reducing inequalities. Action on:



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Local Planning Authority health priorities

- u. Prevention
- v. Early intervention
- w. Recovery and control

Data on deprivation, health assets, wider determinants of health

- 2.1.36 The health of people in Wandsworth is varied compared with the England average. About 20% (10,400) of children live in low income families. Life expectancy for women is higher than the England average. Life expectancy is 8.3 years lower for men and 5.7 years lower for women in the most deprived areas of Wandsworth than in the least deprived areas. PHE data on health assets and the determinants of health are in general in line with the average. However, it has more overcrowded households and more injuries due to falls on people aged 65 and over than the average for England.



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Local Planning Authority health priorities

Table 12.1.1 Summary of health priorities and data by Local Planning Authority area

Local Planning Authority area	JSNA needs	JHWS priorities	Life expectancy and inequalities	Poorer health assets and determinants of health than the average for England
South Bucks District Council	Sections that consist of population characteristics, social determinants of health and population groups broken down into sub-sections on specific determinants, population sub-groups or disease area. These sub-sections in some cases include conclusions and in others, recommendations.	<p>Give every child the best start in life</p> <p>Keep people healthier for longer and reduce the impact of long term conditions</p> <p>Promote good mental health and wellbeing for everyone</p> <p>Protect residents from harm</p> <p>Support communities to enable people to achieve their potential and ensure Buckinghamshire is a great place to live.</p>	One of the 20% least deprived districts/unitary authorities in England. Life expectancy is 5.8 years lower for men and 7.2 years lower for women in the most deprived areas than in the least deprived areas	The number killed and seriously injured on the roads is higher than the average for England.
London Borough of Ealing	<p>Give every child the best start in life</p> <p>Enable all children, young people and adults to maximise their capabilities and have control over their lives</p> <p>Create fair employment and good work for all</p> <p>Ensure healthy standard of living for all</p> <p>Create and develop healthy and sustainable places and communities</p>	<p>Create and sustain good mental and physical health for children and adults at every stage of life</p> <p>Reduce health inequalities by improving outcomes for neighbourhoods and communities experiencing poor health</p> <p>Enable people of working age to participate as fully as possible in working life, to improve the health and economic outcomes for them and their families</p>	Life expectancy for both men and women is higher than the England average. Life expectancy is 3.9 years lower for men and 2.5 years lower for women in the most deprived areas of Ealing than in the least deprived areas	The percentage of people who use services who have control over their daily lives is lower than the average for England. There are also higher rates of air pollution and more overcrowded households and injuries due to falls among older people.



Heathrow Expansion Local Planning Authority health priorities

Local Planning Authority area	JSNA needs	JHWS priorities	Life expectancy and inequalities	Poorer health assets and determinants of health than the average for England
	Strengthen the role and impact of ill-health prevention	Enable everyone to be healthy and independent for as long as possible, helping to prevent or delay the need for social and acute care		
London Borough of Hounslow	Cardiovascular and respiratory disease; Falls; Dementia; School readiness; Accidents in children aged 0-14; Obesity in children and adults; Physical activity; Air quality and noise; Cancer; Intimate partner violence; Termination of pregnancy; Learning disabilities	Reduced differences in life expectancy between communities Every child has the best possible start in life Adults retain their independence and good health for longer.	Life expectancy for women is higher than the England average. Life expectancy is 5.3 years lower for men and 4.6 years lower for women in the most deprived areas of Hounslow than in the least deprived areas.	Has the worst measures for exposure to road, rail and air transport noise during the night in England, more overcrowded households and injuries due to falls among older people than the average for England.
Spelthorne Borough Council	Structured in 30 sections. Some of these focus on particular health needs (e.g. sexual and reproductive health), others some on the needs of groups (e.g. adult carers) and others on the social determinants of health (e.g. economy, employment and deprivation).	A borough where health inequalities are reducing amongst all ages Develop a preventative approach (to prevent ill health and promote wellness Improve emotional and mental wellbeing Safeguarding the population	Life expectancy for both men and women is higher than the England average areas. Life expectancy is 6.2 years lower for men and 5.0 years lower for women in the most deprived areas than in the least deprived.	The number killed and seriously injured on the roads is higher than the average for England.
Slough Borough Council	Public health priorities include: Crime reduction (violent crime and domestic abuse)	Protecting vulnerable children Increasing life expectancy by focusing on inequalities	Life expectancy for men is lower than the England average. Life expectancy is 6.5 years lower for men and 4.1 years lower for	



Heathrow Expansion Local Planning Authority health priorities

Local Planning Authority area	JSNA needs	JHWS priorities	Life expectancy and inequalities	Poorer health assets and determinants of health than the average for England
	<p>Childhood obesity and oral health</p> <p>Child and parental mental health</p> <p>Prevention of and reduction of early deaths from cardiovascular disease.</p>	<p>Improving mental health and wellbeing</p> <p>Housing</p>	<p>women in the most deprived areas than in the least deprived areas</p>	
<p>The Royal Borough of Windsor and Maidenhead</p>	<p>Recommendations structured according to:</p> <ol style="list-style-type: none"> 1. Starting well 2. Developing well 3. Living and working well 4. Ageing well 	<p>3 themes with 12 priorities:</p> <p>Theme 1 - Supporting a healthy population</p> <p>Theme 2 - Prevention and early intervention</p> <p>Theme 3 - Enable residents to maximise their capabilities and life chances</p>	<p>One of the 20% least deprived districts/unitary authorities in England: Life expectancy for both men and women is higher than the England average. Life expectancy is 5.8 years lower for men and 4.8 years lower for women in the most deprived areas than in the least deprived areas</p>	<p>lower rates of utilization of outdoor space for exercise than the average for England.</p>
<p>Runnymede Borough Council</p>	<p>Structured in 30 sections. Some of these focus on particular health needs, others some on the needs of groups and others on the social determinants of health.</p>	<p>Improving children's health and wellbeing</p> <p>Developing a preventative approach</p> <p>Promoting emotional wellbeing and mental health</p> <p>Improving older adults' health and wellbeing</p> <p>Safeguarding the population.</p>	<p>One of the 20% least deprived districts/unitary authorities in England. Life expectancy for both men and women is higher than the England average. Life expectancy is 6.2 years lower for men and 5.7 years lower for women in the most deprived areas than in the least deprived areas.</p>	<p>The number killed and seriously injured on the roads is higher than the average for England.</p>



Heathrow Expansion Local Planning Authority health priorities

Local Planning Authority area	JSNA needs	JHWS priorities	Life expectancy and inequalities	Poorer health assets and determinants of health than the average for England
London Borough of Hillingdon	<p>Promoting healthier lifestyles</p> <p>Improved co-ordination of joint health and social care working</p> <p>Safeguarding, prevention and protection</p> <p>Community-based, resident-focussed services</p> <p>Promoting economic resilience</p> <p>Preserving and protecting the environment</p> <p>Reducing disparities in health outcomes.</p>	<p>Improve health and wellbeing and reduce inequalities</p> <p>Invest in prevention and early intervention</p> <p>Develop integrated, high quality social care and health services within the community or at home</p> <p>Creating a positive experience of care</p>	<p>Life expectancy for both men and women is higher than the England average. Life expectancy is 6.1 years lower for men and 5.5 years lower for women in the most deprived areas than in the least deprived areas.</p>	<p>Higher percentage of overcrowded households than the average for England.</p>
London Borough of Richmond upon Thames	<p>Outlines the specific aim to: Enable people to have access to high-quality information and lifestyle interventions that prevent their health and care needs becoming serious. It includes recommendations and conclusions in most of its sections on needs assessments, rather than priorities.</p>	<p>Priorities and proposed action around three themes:</p> <p>Start Well which covers child and family services</p> <p>Live Well which includes prevention services and healthy environments</p> <p>Age Well which focuses on integrating health and social care services, carers and helping people age well.</p>	<p>One of the 20% least deprived districts/unitary authorities in England. Life expectancy for both men and women is higher than the England average. Life expectancy is 5.8 years lower for men and 3.3 years lower for women in the most deprived areas than in the least deprived areas. PHE</p>	<p>The utilisation of outdoor space for exercise and health reasons is lower than the average for England.</p>
London Borough of Wandsworth	<p>Includes key messages around of health needs (e.g. mental health, childhood immunisation), diseases (e.g. TB), vulnerable</p>	<p>Healthy Places: ensure regeneration and development schemes are opportunities to</p>	<p>Life expectancy for women is higher than the England average. Life expectancy is 8.3 years lower for men and 5.7</p>	<p>More overcrowded households and more injuries due to falls on people aged 65 and over than the average for England.</p>



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Local Planning Authority health priorities

Local Planning Authority area	JSNA needs	JHWS priorities	Life expectancy and inequalities	Poorer health assets and determinants of health than the average for England
	groups (e.g. looked after children) and determinants of health (e.g. access to open spaces).	improve people's health and wellbeing Targeted interventions: identify the people most in need and deliver holistic programmes that address their health needs Mental health: make mental health as important as physical health in improving health and reducing inequalities	years lower for women in the most deprived areas than in the least deprived areas.	

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Local Planning Authority health priorities

Common health priority themes across Local Planning Authorities

2.1.37 The JSNAs and JHWSs for the ten Local Planning Authority areas included in the review use different types of information and data and do not present their findings in a similar way. This makes it difficult to compare them systematically. However, it is possible to draw out common themes in the needs highlighted by the JSNAs and priorities identified in the JHWSs. These common themes include:

1. The need to focus on prevention of disease and early death through actions such as encouraging exercise, lowering risky levels of alcohol intake, smoking cessation services and early diagnosis
2. The importance of meeting the needs of children, including tackling childhood obesity, promoting positive mental health, ensuring children are school-ready and supporting vulnerable families
3. The prioritisation of mental health, including promoting positive mental health and improving mental health services
4. The importance of addressing the needs of older people, including enabling independence in older age, safeguarding older people, reducing excess winter death and improving care and support
5. The need to address inequalities in health including targeting communities experiencing poor health, children living in poverty and deprived neighbourhoods
6. The recognition of the importance of addressing the wider determinants of health by promoting environments that are green, safe and clean, access to transport, employment and training opportunities and housing
7. The use of the life-course approach to understanding how an individual's health needs change as they age
8. Identifying and meeting the needs of vulnerable groups with particular needs, including looked after children, people with learning disabilities and frail older people.

Overview of local areas' priorities relating to relevant determinants of health

2.1.38 The review of health priorities also searched JSNAs and JHWSs to identify to what extent local areas prioritise needs associated with the determinants of health which may be impacted by the development. This search was based on those determinants of health the construction and the operation phases are anticipated to influence. This was carried out by key word searches. The pathways by which a change in the determinant creates a potential impact on health were also considered. Key findings are explained below and summarised in Table 12.1.2.

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Local Planning Authority health priorities

Relevant priorities identified in the JSNAs and JHWSs are not categorised as to whether they relate to the construction or operation phase as in most cases they relate to both.

1. All local areas identify the environment as an important determinant of health in their JSNAs and/or JHWSs. All local areas recognise the need to ensure good air quality. Some also recognise control noise pollution and improve environmental amenity
2. All local areas identify lifestyle as an important determinant of health. All local areas include the need to promote physical activity in their JSNAs and/or JHWSs
3. All local areas identify the economy as an important determinant of health in their JSNAs and/or JHWSs. All local areas include the need for employment opportunities for their residents
4. Most local areas identify access to services as an important determinant of health in their JSNAs and/or JHWSs
5. While none of the local areas make reference to residential relocation in their JSNAs and/or JHWSs, they all include some reference to the importance of housing
6. Some of the areas refer to social cohesion in their JSNAs and/or JHWSs by highlighting the need for community networks and empowerment
7. Some of the areas identify safety as a determinant of health in their JSNAs and/or JHWSs through reference to road traffic incidents and the need to reduce these.

Table 12.1.2: Summary table of local areas' priorities relating to relevant determinants of health

Determinant of health	Health pathway	Summary of inclusion in JSNAs and JHWSs
Access to services	Access to services and healthcare	Most local areas identify access to services as an important determinant of health
Economy	Employment	All local areas identify the economy as an important determinant of health in their JSNAs and/or JHWSs. All local areas include the need for employment opportunities for their residents.
Environment	Air quality	All local areas refer to the need to ensure good air quality

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Local Planning Authority health priorities

Determinant of health	Health pathway	Summary of inclusion in JSNAs and JHWSs
	Noise	Some local areas refer to the need to control noise pollution
	Environmental amenity	Some local areas refer to ensure good environmental amenity
Lifestyle	Physical activity	All local areas include the need to promote physical activity
	Air travel	None identified
Living conditions	Residential relocation	No local areas include specific priorities related to residential relocation required by the development. All areas recognise housing as a need
Social cohesion	Perceptions and sense of place	Recognised by some local areas
	Community networks	Recognised by some local areas
	Viability of remaining communities	None identified
Safety	Road traffic incidents	Some of the areas refer to road traffic incidents and the need to reduce these

Summary of local areas' health priorities related to Heathrow Airport

2.1.39 The review of health priorities also searched JSNAs and JHWSs to identify any health needs or priorities that relate explicitly to the current operation and future development of Heathrow Airport. Eight of the ten local areas' JSNAs and/or JHWSs include specific mention of Heathrow Airport. These relate to issues including:

1. The need to work to minimise the impact and gain mitigation measures for the expansion in terms of noise, air quality and increased traffic
2. The need to ensure development increases local employment and training opportunities
3. The need to improve air quality and concern that major sources of air pollution, including Heathrow Airport, are outside the control of local areas
4. The need to gain noise mitigation measures
5. Recognition of the role of Heathrow as a provider of employment to many residents
6. Recognition of the significant impact of Heathrow on local economies

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Local Planning Authority health priorities

7. Description of transport routes to Heathrow affecting local areas
8. Concern about the air quality impacts of commuting to Heathrow through local areas
9. Concern about the pollution and noise caused road traffic travelling to Heathrow
10. Identification of clusters of sex workers in areas close to Heathrow
11. Identification of unaccompanied asylum seeking children in the context of proximity to Heathrow.

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Local Planning Authority health priorities

3. REFERENCES

Table 12.1.3 Links to JSNAs and JHWSs

Local Planning Authority area	Link to JHWS	Link to JSNA
South Bucks District Council	https://www.buckscc.gov.uk/media/4509402/jhws2017april.pdf	http://www.healthandwellbeingbucks.org/s4s/WhereILive/Council?pageId=2098
London Borough of Ealing	https://www.ealing.gov.uk/downloads/download/3755/health_and_wellbeing_strategy	https://www.ealing.gov.uk/info/201072/strategies_plans_and_policies/1963/ealings_joint_strategic_needs_assessment
London Borough of Hounslow	https://www.hounslow.gov.uk/downloads/file/192/joint_health_and_wellbeing_strategy	https://www.hounslow.gov.uk/info/20049/health_and_well_being/1513/joint_strategic_needs_assessment
Spelthorne Borough Council	https://www.spelthorne.gov.uk/article/12131/Health-and-Wellbeing-Strategy	https://www.surreyi.gov.uk/ViewPage1.aspx?C=Resource&ResourceID=1756
Slough Borough Council	http://www.slough.gov.uk/council/strategies-plans-and-policies/slough-joint-wellbeing-strategy.aspx	https://www.slough.gov.uk/council/joint-strategic-needs-assessment/
The Royal Borough of Windsor and Maidenhead	https://www3.rbwm.gov.uk/downloads/download/37/joint_health_and_wellbeing_strategy_jhws	https://www3.rbwm.gov.uk/publichealth/info/11/joint_strategic_needs_assessment
Runnymede Borough Council (Surrey's Health and Wellbeing Strategy)	https://www.healthysurrey.org.uk/about/strategy	https://www.surreyi.gov.uk/ViewPage1.aspx?C=Resource&ResourceID=1756
London Borough of Hillingdon	https://www.hillingdon.gov.uk/article/25636/Health-and-social-care	https://www.hillingdon.gov.uk/jsna
London Borough of Richmond upon Thames	http://www.richmond.gov.uk/joint_health_and_wellbeing_strategy	https://www.richmond.gov.uk/jsna
London Borough of Wandsworth	http://www.wandsworth.gov.uk/downloads/file/11850/joint_health_and_wellbeing_strategy	http://www.wandsworth.gov.uk/jsna

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Land Quality Approach to Human Health and
Controlled Waters Risk Assessment



Appendix 14.1 Land Quality Approach to Human Health and Controlled Waters Risk Assessment

The content of this appendix was originally produced in December 2017 and issued to the Environment Agency and Local Planning Authorities for their consideration. The final content of this appendix has been updated to address and incorporate the comments received (**Appendix 14.2: Land Quality Environment Agency correspondence** and **Appendix 14.3: Land Quality Local planning authorities correspondence**). The updated report therefore also reflects the description of the DCO Project and some of the terminology presented in Volume 1 of this Scoping Report which may differ from the point in time that the original content was produced.



1. INTRODUCTION

- 1.1.1 This document has been prepared to detail the approach to controlled waters risk assessment (CWRA) and human health risk assessment (HHRA) for use during the Quantitative Risk Assessment (QRA) element of the land quality assessment which will be undertaken as part of the Environmental Impact Assessment (EIA) for the DCO Project.
- 1.1.2 The methodologies for the CWRA and HHRA presented in this document have been developed to meet the requirements of the UK legislative framework for the assessment and management of potentially contaminated land (an overview of which is presented in this document) and incorporate current best practice including statutory and non-statutory guidance and codes of good practice.
- 1.1.3 The land quality risk assessment approach outlined in this document is intended to provide the framework for the assessment of potential land contamination risks associated with the DCO Project. Construction related activities, acute risks to construction staff and construction health and safety will be addressed separately within the EIA and managed in line with the Construction Design and Management (CDM) Regulations, 2015.

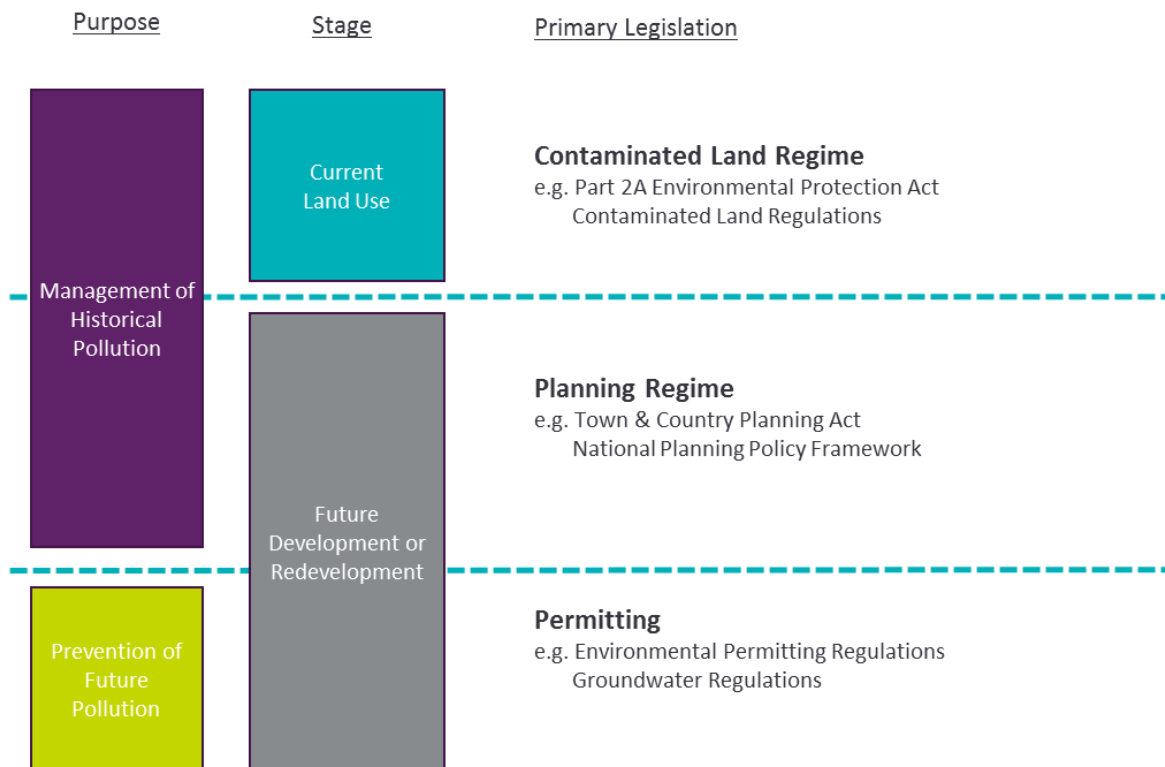


2. LEGISLATIVE CONTEXT

2.1 Overview

2.1.1 Land contamination in the UK is regulated under a number of legislative regimes, most notably the Contaminated Land Regime, Planning Regime and Environmental Permitting Regulations. Each of these focusses on different aspects of land contamination from the management of historical contamination to the potential of future contamination. Graphic 14.1.1 provides a generalised summary of the application of each regime.

Graphic 14.1.1 Land contamination legislation overview



2.1.2 The methodologies presented in this document are intended to assess and mitigate potential land contamination risks associated with the completed DCO Project which may arise from historical contamination. The prevention of future pollution under UK legislation will be managed through ‘embedded’ and ‘best practice’ mitigation and, where required for the construction/operation activities, environmental permits (e.g. discharge consents etc).



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Land Quality Approach to Human Health and Controlled Waters Risk Assessment

2.1.3 For the purposes of the CWRA, the meaning “controlled waters” is per Part III, Section 104 of the Water Resources Act 1991.

2.2 Environmental Protection Act 1990: Part 2A

2.2.1 Part 2A of the Environmental Protection Act 1990 (Part 2A) provides the regulatory basis for the identification, designation and remediation of Contaminated Land.

2.2.2 “Contaminated Land” is defined in Part 2A as “*land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land that – (a) significant harm is being caused or there is a significant possibility of such harm being caused; or (b) significant pollution of controlled waters is being caused, or there is a significant possibility of such pollution being caused;*”

2.2.3 For risks to human health, Part 2A defines “Harm” to mean “*harm to the health of living organisms or other interference with the ecological systems of which they form part and, in the case of man, includes harm to his property*”.

2.2.4 For risks to controlled waters, significant pollution is defined in Part 2A as:

1. Pollution equivalent to ‘environmental damage’ to surface water or groundwater as defined by The Environmental Damage (Prevention and Remediation) Regulations 2009, but which cannot be dealt with under those Regulations
2. Inputs resulting in deterioration of the quality of water abstracted, or intended to be used in the future, for human consumption such that additional treatment would be required to enable that use
3. A breach of a statutory surface water Environment Quality Standard, either directly or via a groundwater pathway
4. Input of a substance into groundwater resulting in a significant and sustained upward trend in concentrations of contaminants (as defined in Article 2(3) of the Groundwater Directive (2006/118/EC)).

2.2.5 Part 2A takes a risk based approach to defining contaminated land where “risk” means the combination of (a) the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land; and (b) the scale and seriousness of such harm or pollution if it did occur.

2.2.6 Under Part 2A risks should only be considered in relation to the current use of the land.



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Land Quality Approach to Human Health and Controlled Waters Risk Assessment

2.3 National Planning Policy Framework

2.3.1 The National Planning Policy Framework (NPPF) outlines the requirement for managing and mitigating contamination risks associated with future site uses through the planning system. The NPPF was published in 2012 and sets out the Government's planning policies for England and how these are expected to be applied. English planning law requires that applications for planning permission must be determined in accordance with the NPPF, unless material considerations indicate otherwise.

2.3.2 Specifically related to land contamination, paragraphs 120 and 121 of the NPPF state that:

Paragraph 120: *“To prevent unacceptable risks from pollution and land instability, planning policies and decisions should ensure that new development is appropriate for its location. The effects (including cumulative effect) of pollution on health, the natural environment or general amenity, and the potential sensitivity of the area or proposed development to adverse effects from pollution, should be taken into account. Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rest with the developer and/or landowner.”*

Paragraph 121: *“Planning policies and decisions should also ensure that:*

- *the site is suitable for its new use taking into account ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impact on the natural environment arising from that remediation.*
- *after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990”.*

2.3.3 As such the NPPF prescribes the requirement to assess the impact of the future site use on human health and the environment requiring that it is assessed in the manner compliant with Part 2A.

2.4 Statutory guidance

2.4.1 The framework for the assessment of potential land contamination adopted in this document is based on current statutory guidance documents regarding the implementation of Part 2A and the assessment of potentially contaminated land within the NPPF. In particular, reference has been made to:

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Land Quality Approach to Human Health and Controlled Waters Risk Assessment



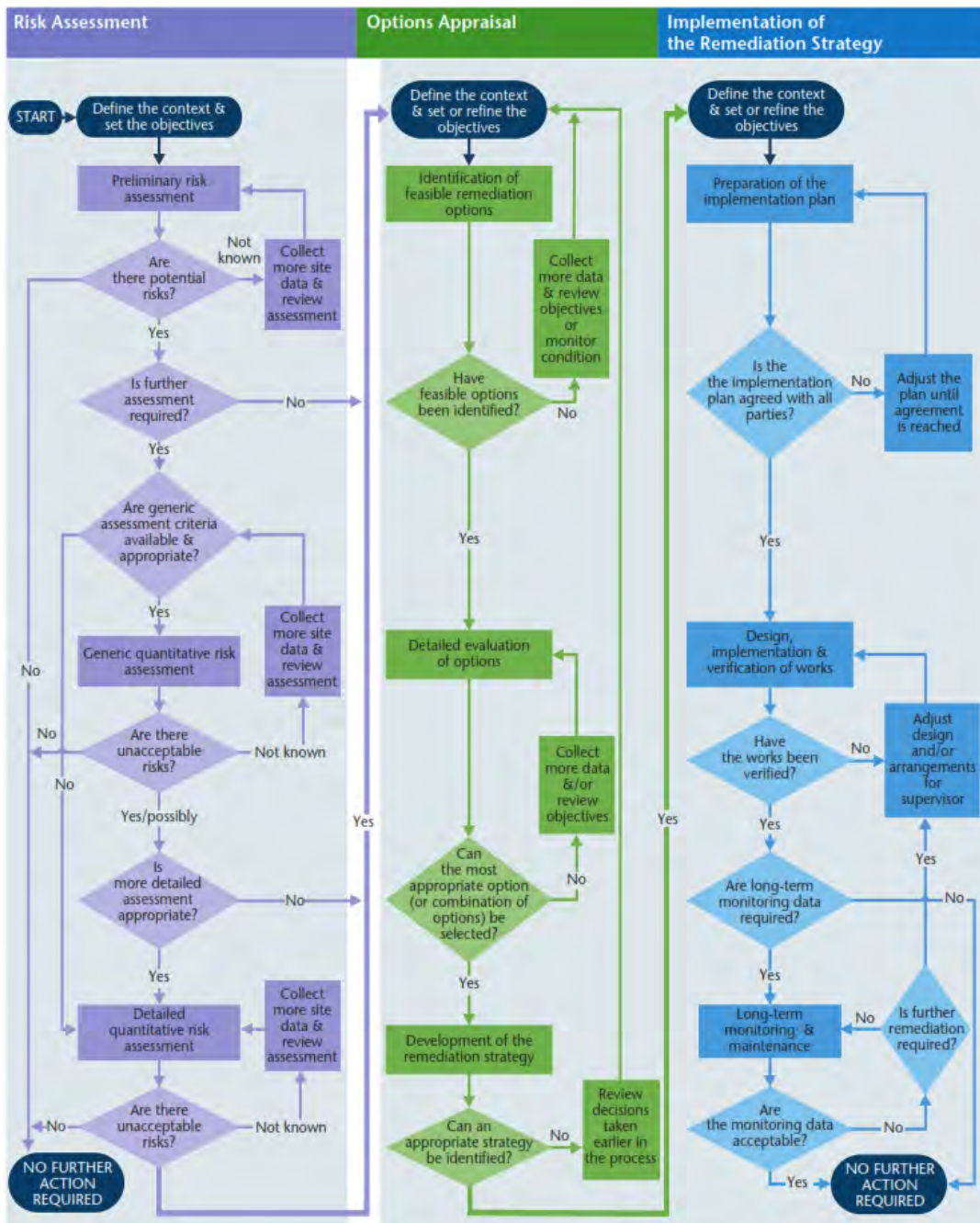
1. Defra (2012): *Environmental Protection Act 1990: Part 2A, Contaminated Land Statutory Guidance*
2. Environment Agency (2004): *Model Procedures for the Management of Land Contamination*, Contaminated Land Report 11 (CLR11)
3. British Standard (BS) 10175:2011+A1:2013, *Investigation of Potentially Contaminated Sites*
4. Department for Communities and Local Government (2012): *National Planning Policy Framework (NPPF)*.



3. CONTAMINATED LAND RISK ASSESSMENT APPROACH

3.1.1 The assessment of potentially contaminated land will follow the phased and iterative approach set out in CLR11 (see Graphic 14.1.2).

Graphic 14.1.2 Overview of CLR11 process for managing land contamination





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Land Quality Approach to Human Health and Controlled Waters Risk Assessment

- 3.1.2 As part of the land quality assessment, a Conceptual Site Model (CSM) will be developed representing the baseline and each of the construction and operational phase assessment years. The CSM's will be refined/revised as more information and understanding is obtained through the assessment process.
- 3.1.3 The CSM describes the potential contaminant sources and potential receptors that may be present as part of the DCO Project and thus the potentially active 'contaminant linkages' between these sources (contaminants) and receptors, as defined in the relevant legislation and guidance.
- 3.1.4 At sites where contamination may be present, site specific data will be collected through a ground investigation comprising soil, water and gas sampling and subsequent laboratory analysis to determine the concentrations of contaminants present within each media.
- 3.1.5 The ground investigation (including the collection and laboratory analysis of soil, water and gas samples) will be undertaken in line with current guidance and best practice including:
1. British Standard BS10175:2011+A1:2013 Investigation of Potentially Contaminated Sites
 2. British Standard BS5930:2015 Code of Practice for Ground Investigations
 3. Environment Agency Model Procedures for the Management of Land Contamination (CLR-11)
 4. Institution of Civil Engineers, ICE, UK Specification for Ground Investigation, 2nd edition (2012).
- 3.1.6 The data will then be evaluated to determine whether there are unacceptable risks to human health or controlled waters which may require remediation as part of the DCO Project (the process of risk assessment).
- 3.1.7 A phased approach to the risk assessment will be undertaken comprising:
1. Screening out of sites where ground investigation data indicates a contaminant source is not present or there is no pollutant linkage between a source and potential receptor
 2. QRA comprising an initial evaluation of data against a global site model to provide a holistic overview of the land quality risks for the CSM scenario
 3. Additional assessment where data indicates a potential contamination risk remains following the initial assessment and further evaluation is needed to determine its significance and the requirement for remediation



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- 3.1.8 The approach to the global model and QRA, where required, is detailed in Section 4: Controlled waters risk assessment (for controlled waters) and Section 5: Human health risk assessment (for human health).



4. CONTROLLED WATERS RISK ASSESSMENT

4.1 Site setting

- 4.1.1 The land being considered for the DCO Project is located in a catchment area containing several watercourses that are tributaries of the River Thames. Under the Water Framework Directive (WFD) these tributaries have been classified as either having 'Poor' or 'Moderate' overall status. Within the land being considered for the DCO Project there are also several lakes formed within areas of previous gravel workings and also reservoirs that provide storage for water supply.
- 4.1.2 The land required for the DCO Project is primarily located on the superficial Quaternary Taplow Gravels, a shallow unconfined gravel aquifer which forms part of a larger body of terraced river sands and gravel (the river terrace deposits) present across the current River Thames floodplain. These deposits sit on top of the Tertiary London Clay (an aquitard), itself set on the regional Chalk aquifer (which is strategically important in terms of regional water resource supply). The river terrace deposits are typically 3m to 9m thick. In contrast, the London Clay is over 30m thick and up to 80m thick in places within the land required for the DCO Project.
- 4.1.3 The gravel aquifer within the shallow river terrace deposits is designated as a Principal Aquifer by the Environment Agency (due to their being used for public water supply) and as a groundwater body under the WFD (the Lower Thames Gravels). Under the WFD, it is currently classified as having 'Good' status but has historically failed to achieve 'Good' status because of poor water quality resulting from historical contamination.
- 4.1.4 The gravel aquifer is considered to be the primary pathway by which soil derived contaminants may migrate to surface water courses. However, it should be noted that some water courses within the land required for the DCO Project have been extensively modified and channelised and therefore may not be in hydraulic continuity with the surrounding groundwater at a given point.
- 4.1.5 In addition, the gravel aquifer is a receptor in its own right, along with any potable groundwater abstractions from the aquifer (public or private).
- 4.1.6 The DCO Project will include the creation of new channels resulting in a number of existing source-pathway-receptor linkages being broken. It is noted that whilst the introduction of new water courses will create new surface water receptors, where the new water courses are channelised and hydraulically disconnected from the surrounding groundwater, in these locations, new Source-Pathway-Receptor contaminant linkages will not be created. Assessment of potential linkages to



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water courses will only be undertaken within the CWRA where they are in continuity with the surrounding groundwater.

4.2 Controlled Waters Assessment objectives

- 4.2.1 The controlled waters assessment will follow the principles set out in the Environment Agency's guidance document 'The Environment Agency's Approach to Groundwater Protection' (March 2017). In the context of the DCO Project these are interpreted as:
- 4.2.2 Where pollutants have not yet entered groundwater, all necessary and reasonable measures shall be taken to:
1. Prevent the input of hazardous pollutants into groundwater
 2. Limit the entry of non-hazardous substances into groundwater so as to avoid pollution, and to avoid deterioration of the status of groundwater adjacent to the Heathrow Planning Boundary or sustained upward trends in pollutant concentration.
- 4.2.3 Where hazardous substances or non-hazardous substances have already entered groundwater, the priority is to:
1. Minimise further entry of hazardous substances and non-hazardous substances into groundwater
 2. Take necessary and reasonable measures to limit the pollution of groundwater or impact on the status of groundwater adjacent to the Heathrow Planning Boundary from the future expansion of a contaminant plume, if necessary by actively reducing its extent.
- 4.2.4 Given the local geology, groundwater flow is considered the primary pathway by which pollutants may enter surface waters on site. As such the above objectives are also deemed to be protective of surface waters on site (where these are in continuity with the groundwater).
- 4.2.5 To achieve these objectives a global assessment model will be adopted utilising a risk based approach to the assessment of contaminated land as recommended in CLR11.

4.3 Global site model

- 4.3.1 The global assessment model will initially consider the land being considered for the DCO Project as a whole to identify those areas where land contamination may present a risk of pollution to controlled waters. To achieve this the concentration of



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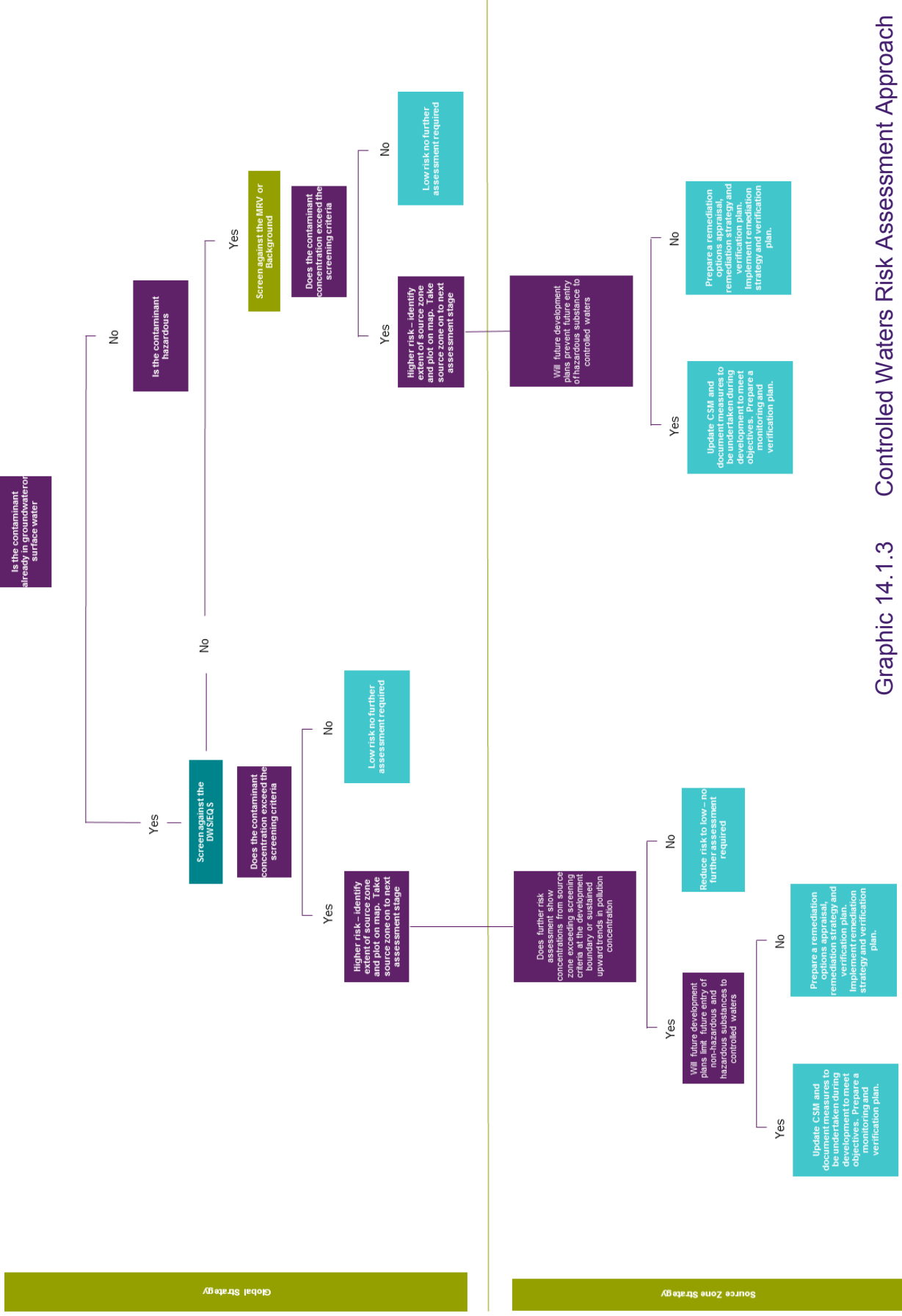
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contaminants of concern (as identified within the desk study and ground investigation) will be screened against a set of selected screening criteria. The selection of these criteria is detailed in Section 4.4. Areas where the screening criteria are exceeded will be mapped to show the spatial distribution and extent of individual contamination source zones. Each source zone will then be taken to the next phase of assessment.

- 4.3.2 The next phase of assessment will look at each source zone in the context of the objectives set out above and the development proposals for that individual part of the DCO Project. Further assessment will be undertaken to identify whether contaminant concentrations identified represent a risk to surface waters and groundwater. Should risks be identified an updated CSM will be produced to identify whether pre-development measures, such as remediation, are required to meet the required objectives. This phase of assessment may require various tiers of assessment including groundwater modelling to identify the required approach.
- 4.3.3 The thickness of London Clay (which is of low permeability) prevents significant groundwater movement between the gravel aquifer and the regional Chalk Aquifer and is therefore considered sufficient to provide protection from the potential vertical migration of contaminants. On this basis, where the DCO Project does not extend beyond the base of the London Clay, the global site model will exclude the Chalk Aquifer as a receptor and risks to the Chalk Aquifer will not be assessed as part of the CWRA. Where the DCO Project potentially extends into the Chalk Aquifer (e.g. through piling beneath the base of the London Clay), or Ground Investigation data indicates the potential for vertical migration to occur, potential risks to the Chalk Aquifer will be considered.
- 4.3.4 The controlled waters risk assessment methodology is presented as a flow chart in Graphic 14.1.3



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Graphic 14.1.3 Controlled Waters Risk Assessment Approach



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4.4 Controlled Waters Risk assessment criteria

- 4.4.1 Risks to the water environment will be assessed by comparison of soil, groundwater and surface water concentrations to minimum reporting values (MRV) or the relevant UK Environmental Quality Standards (UK EQS) or UK Drinking Water Standards (UK DWS).
- 4.4.2 Given the current poor status of the gravel aquifer within and beyond the land being considered for the DCO Project, it is unlikely that a reduction in contaminant input from sources within the land being considered for the DCO Project will improve its standing as a water resource (e.g. through excavation of unlined historic landfills). However, by identifying and remediating areas that have the potential to be negatively impacting surface waters, the underlying groundwater will also see betterment of its quality.
- 4.4.3 That said, the Lower Thames Gravels WFD groundwater body is a drinking water protected area and therefore, groundwater quality will initially be assessed using the UK DWS screening criteria. The UK EQS have been derived as a set of criteria for assessing the quality of surface water bodies under the WFD and will be used for the initial assessment of surface water samples. They provide criteria for a set of priority substances and other polluting chemicals as listed in the Environmental Quality Standards Directive (EQSD).
- 4.4.4 MRV will be used to assess hazardous substances in soil by assessing soil pore water concentrations where they have not yet entered groundwater. The MRVs have been produced by the Environment Agency for selected hazardous substances in clean water. Where particular contaminants are wide spread within the water environment, consideration will be given during the assessment as to whether it would be more appropriate to use a background (up hydraulic gradient) value as the assessment criteria in this scenario. Non-hazardous substances in soil will be assessed using the UK DWS/EQS screening criteria as appropriate to the specific conceptual setting.
- 4.4.5 Where a more detailed quantitative risk assessment is required for a particular area or parcel of land within the DCO Project, the Environment Agency Remedial Targets Methodology (RTM) will be adopted to determine the need for remedial action, including the use of appropriate compliance criteria, compliance points and degradation rates. The risk assessment will consider the most appropriate model to use depending on the requirement to back-calculate acceptable source concentrations (using the Remedial Targets Worksheet, RTW) or predict concentrations at the receptor (using ConSim). The choice of model used will be documented in the risk assessment.

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- 4.4.6 The DQRA will be informed by the potential effects of each phase of the DCO Project (baseline, construction phase and the operation phase comprising the completed development) to ensure that potential changes to the groundwater flow regime as a result of the DCO Project (for example from basements to buildings) are taken into account when modelling source-pathway-receptor linkages.



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5. HUMAN HEALTH RISK ASSESSMENT

5.1 Generic Quantitative Risk Assessment (GQRA)

- 5.1.1 The GQRA stage will follow completion of the desk study and ground investigation. Following receipt of the ground investigation data, the first stage of the quantitative risk assessment process for human health is to compare the results of the analytical testing on soil and groundwater samples to a set of Generic Assessment Criteria (GAC).
- 5.1.2 GAC represent 'screening values' that have been generated using a set of conservative assumptions relating to toxicology, receptor behaviour and soil type.
- 5.1.3 If samples exceed the chosen screening criteria used in the GQRA, then only these will be taken forward for further assessment, and where necessary will be the subject of a Detailed Quantitative Risk Assessment (DQRA). Soil concentrations that fall beneath the chosen GAC for the particular land use will not require further assessment.

5.2 Generic Assessment Criteria for soils

- 5.2.1 Risks to human health will be assessed by comparison with GAC established using the UK Contaminated Land Exposure Assessment (CLEA) framework. There are a number of sources for GAC's in the UK which include values for various contaminants. A hierarchy of GACs will therefore be used as shown here and discussed further below.
1. Suitable for Use Levels (S4ULs) developed by Land Quality Management (LQM) (Nathanail, et al., 2015)
 2. Category 4 Screening Levels (C4SLs); C4SLs have been developed in support of Defra's revision to the Statutory Guidance for Part 2A of the Environmental Protection Act 1990
 3. GACs historically developed by CL:AIRE, AGS, and EIC in 2009.
- 5.2.2 Where the above listed GAC are not available for certain contaminants, then European standards, US standards and then standards from the rest of the world would be used (albeit with caution); although it is generally expected that these latter values would rarely be used and it is likely that the derivation of in-house criteria through appropriate use of modelling would be undertaken prior to using non-UK standards.
- 5.2.3 In all cases, for each contaminant and land use scenario, the assessment will document which GAC has been selected and its source.



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- 5.2.4 Suitable for Use Levels (S4ULs) have been developed by Land Quality Management (LQM) (Nathanail, et al., 2015) in accordance with the CLEA framework to replace the withdrawn 2009 LQM/CIEH GAC values. Where equivalent assessment criteria exist, S4ULs would be used as a preference as they represent more conservative values based on the principles of “minimal” or “tolerable” risk enshrined within the Environment Agency’s Science Report 2 (SR2, 2009). This ensures that the resulting assessment criteria are 'suitable for use' under planning. The values are intended as “trigger values” above which further assessment of the risks may be needed. For each contaminant, S4ULs and GACs have been calculated for the four standard land use scenarios published within the Environment Agency’s CLEA model (SR3, 2009) and the S4ULs also include two new land uses for public open space developed by Defra.
- 5.2.5 In the case of the Lead, there is no published S4UL which would take precedence in the GAC hierarchy. Therefore, for Lead only, this will be assessed by reference to Category 4 Screening Levels (C4SLs); C4SLs have been developed in support of Defra’s revision to the Statutory Guidance for Part 2A of the Environmental Protection Act 1990. The revised guidance presents a four-category system for determining land as contaminated land under Part 2A, ranging from Category 4 (the level of risk posed is acceptably low) to Category 1 (the level of risk is clearly unacceptable). The C4SLs provide criteria to determine whether contamination risks are low and definitely do not represent contaminated land (i.e. contaminant concentrations do not present a Significant Possibility of Significant Harm). The published C4SLs, S4ULs, GACs and SGVs are therefore conservative thresholds.
- 5.2.6 LQM states that the GAC are “broadly equivalent to the Soil Guideline Values”. Defra recognises the use of the LQM and CL:AIRE GAC through statutory guidance thereby providing authoritative backing to their use in appropriate circumstances.
- 5.2.7 In terms of land use, it is likely that GAC for light industrial or commercial end use would apply to much of the DCO Project, although public open space (park) would be used where soft landscaping areas are proposed to ensure that the likely exposure scenarios are appropriate to the type of development on land within the DCO Project. These end uses are considered conservative in this assessment as the likely exposure scenarios relate to:
1. Commercial land use – the model assumes the critical receptor in this case is an adult female with exposure duration of 49 years and takes into account exposure pathways including direct contact skin with soil and dust, inhalation of soils dusts and vapours.
 2. Public open space (park) – users of the airport may come into contact with areas of soft landscaping following construction. The model assumes the



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critical receptor is a female child (0-6 years old) and takes into account exposure pathways including direct soil ingestion, skin contact with soils and inhalation of dust and vapours.

- 5.2.8 However, where necessary, additional land uses will be considered, for example when evaluating risks to construction workers in temporary accommodation.
- 5.2.9 Soil organic matter (SOM) would be assessed as part of the proposed ground investigation and the corresponding SOM dependent GAC used accordingly.

5.3 Generic Assessment Criteria for groundwater

- 5.3.1 There are currently no formally published UK GAC for the assessment of vapour risk arising from volatile contaminants in groundwater (GAC_{gwvap}). In 2017, the Society of Brownfield Risk Assessment (SOBRA) published the *Development of Generic Assessment Criteria for Assessing Vapour Risks to Human Health from Volatile Contaminants in Groundwater*.
- 5.3.2 The publication presents a methodology and GAC_{gwvap} that risk assessors may use to help in the assessment of chronic health risks from the inhalation of vapours arising from groundwater.
- 5.3.3 Volatile contaminants in groundwater have the potential to cause risk to human health *via* volatilisation and migration of vapours into overlying buildings or outdoor air space followed by inhalation.
- 5.3.4 The GAC_{gwvap} are intended for comparison with measured groundwater concentrations and represent the estimated concentration in groundwater below which the long-term risks to human health from vapour migration and inhalation can be considered low/tolerable, i.e. unlikely to be of concern (for the land use scenarios considered).
- 5.3.5 The GAC_{gwvap} have been developed in line with UK risk assessment guidance (e.g. Defra and Environment Agency, 2004; Environment Agency, 2009a) and are intended to be used for sites in the UK. The GAC_{gwvap} have been derived for two land use scenarios for which the vapour intrusion pathway is likely to require assessment: residential and commercial.
- 5.3.6 It is noted that the GAC_{gwvap} have not been derived to determine if remediation is necessary nor used as remediation targets, whereby a DQRA would be required. Within their report SOBRA also caution that in some instances groundwater concentrations may be lower than the GAC_{gwvap} but an expose risk may remain. For this reason, the GAC_{gwvap} for commercial end-use will only be used to inform the GQRA for the DCO Project and a detailed CSM and understanding of the site-



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specific ground conditions will be used to determine where further DQRA/remediation may be required.

5.4 Assessment of data

5.4.1 The incoming data will be screened against the GAC's identified above and exceedances highlighted. This screening will identify chemical variations in soils spatially across the land being considered for the DCO Project and:

1. Locations where significantly elevated concentrations of contaminants above background are present and/or
2. Locations where a number of contaminants are all present in elevated concentrations.

5.4.2 In order to identify if these areas of contamination represent gross impacts or hotspots, consideration will be given to statistical analysis of data. Statistical analysis may not be appropriate in all instances and will be assessed based upon the number of samples, contaminant of concern and distribution of data. Assessment may be based upon *CL:AIRE Guidance on Comparing Soil Contamination Data with a Critical Concentration* (CL:AIRE, 2008).

5.5 Detailed Quantitative Risk Assessment (DQRA)

5.5.1 If unacceptable risks remain, taking into consideration the proposed construction methodologies which may include:

1. Capping of areas of the site, breaking the pathway to human health receptors or
2. Use of appropriate construction techniques to mitigate potential risks (may include ground gas protection measures in buildings and selection of construction materials suitable for the ground conditions).

Further assessment will be undertaken in a DQRA.

5.5.2 The DQRA will include derivation of site specific assessment criteria (SSACs) based upon published UK exposure model parameters (chemical, physical and toxicology). Details of the ground conditions encountered during the ground investigation and details of the future development occupiers will also be used in the site-specific modelling. The SSACs will be derived using the Environment Agency Contaminated Land Exposure Assessment (CLEA) model version V1.071.

5.5.3 Exceedances from the GQRA will be compared to the SSACs for commercial and public open space land uses and any exceedances will be highlighted for remedial action prior to or during construction.



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5.5.4 For the assessment of Total Petroleum Hydrocarbons (TPH), concentrations will be reviewed and, if considered appropriate, the results of additivity of the individual TPH fractions assessed.

5.6 Ground gas assessment

5.6.1 Potential risks to human health include the potential presence of ground gas from landfill sites and other made ground sources on and adjacent to the land being considered for the DCO Project. Ground gas monitoring data will be used to assess the risks to human health within enclosed structures including buildings and tunnels. The assessment will be undertaken using the following guidance documents:

1. CIRIA C665 (2007) *Assessing risks posed by hazardous ground gases to buildings*
2. BS8576:2013 *Guidance on investigations for ground gas. Permanent gases and Volatile Organic Compounds (VOCs)*
3. BS8485:2015 *Code of practice for the design of protective measures for methane and carbon dioxide ground gas for new buildings and*
4. CL:AIRE Research Bulletin (RB17), 2012, *A Pragmatic Approach to Ground Gas Risk Assessment*.

5.6.2 This assessment will include calculation of the characteristic gas situation for the area of the site where new buildings are proposed and an assessment of what level of protection is required in new buildings to be protective of future users.

5.6.3 It is considered unlikely that a quantitative gas risk assessment will be required. If, however, this is considered necessary based on the conceptual site models and testing results, the guidance set out in the *Ground Gas Handbook* (S Wilson, G Card and S Haines, published 2009) will be followed.

5.7 Asbestos

5.7.1 The objective of this methodology is to assess the long-term risk to human health in the completed DCO Project. In the completed DCO Project, any asbestos found in soil is likely to be covered by a runway, building or soft landscaping, thus eliminating the pathway.

5.7.2 It is noted that the industry guidance on risk assessment approach for asbestos is currently under review by SOBRA as part of the Joint Industry Working Group (JIWG) on asbestos and findings from this group may affect the final methodology adopted for the EIA. At present, however, the risk assessment for future use would

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be based around the approach taken in CIRIA C733 *Asbestos in soil and made ground: a guide to understanding and managing risks*. The risks would be subject to assessment using the Hodgson and Darnton model to assess the toxicological risk from exposure and use dust generation calculations and asbestos fibres release data from specific testing of samples taken from the affected materials to assess exposure. The assessment will consider exposure during construction.

- 5.7.3 The receptor characteristics (e.g. the exposure frequency and age and duration of exposure) would reflect assumptions made in the wider risk assessment on exposure to near surface soil.
- 5.7.4 Although asbestos in soil may present a risk during construction, this methodology is not intended to cover construction health and safety or acute risks to construction staff from land contamination, which will be addressed under CDM regulations.



6. REUSE OF MATERIALS AND IMPORTED SOILS

- 6.1.1 As part of the DCO Project, excavated materials (such as Made Ground, landfill material, natural soils and river sediments) will be assessed for their re-use potential (for example as general earthworks fill, landscaping etc). The assessment will be undertaken with reference to the CL:AIRE Definition of Waste: Development Industry Code of Practice (DoW CoP).
- 6.1.2 In addition, soils may need to be imported to create landscaping and open space land uses.
- 6.1.3 Assessment criteria for the reuse of materials and acceptance criteria for the use of imported soils will be derived separately from the HHRA process outlined in Section 5 as part of theMMP. The requirements for the MMP will be detailed in the draft CoCP.
- 6.1.4 The acceptance criteria to be developed within the MMP will take into account:
1. The phytotoxic values of compounds such zinc, nickel and copper (which are markedly lower than S4ULs to be used in the HHRA) and
 2. The requirements of Waste Acceptance Criteria (WAC) in line with the relevant guidance



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7. GLOSSARY

Term/Abbreviation	Description
BS	British Standard
C4SL	Category 4 Screening Levels
CSM	Conceptual Site Model
CDM	Construction Design Management
CIRIA	Construction Industry Research and Information Association
CoCP	Code of Construction Practice
CLEA	Contaminated Land Exposure Assessment
CLEA	Contaminated Land Exposure Assessment
CL:AIRE	Contaminated Land: Applications in Real Environments
CWRA	Controlled Waters Risk Assessment
DoW CoP	Definition of Waste: Code of Practice
DefraEFRA	Department for the Environment, Food and Rural Affairs
DQRA	Detailed Quantitative Risk Assessment
DWS	Drinking Water Standards
EIA	Environmental Impact Assessment
EQS	Environmental Quality Standards
EQSD	Environmental Quality Standards Directive
GACgwwvap	GAC for the assessment of vapour risk arising from volatile contaminants in groundwater
GAC	Generic Assessment Criteria
GQRA	Generic Quantitative Risk Assessment
HHRA	Human Health Risk Assessment
JIWG	Joint Industry Working Group
LQM	Land Quality Management
MRV	Minimum Reporting Value
NPPF	National Planning Policy Framework
Part 2A	Part 2A of the Environmental Protection Act 1990
RTM	Remedial Targets Methodology
SSAC	Site Specific Assessment Criteria
SOBRA	Society of Brownfield Risk Assessment
SGV	Soil Guideline Values



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Term/Abbreviation	Description
SOM	Soil organic matter
S4UL	Suitable for Use Levels
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compounds
WFD	Water Framework Directive



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8. BIBLIOGRAPHY

Creator	Title	Publisher and Place of Publication	Date of Publication
Agency, E., & Defra	Model Procedures for the Management of Land Contamination, Contaminated Land Report 11 (CLR-11)	CL:AIRE http://webarchive.nationalarchives.gov.uk/20140328160926/http://cdn.environment-agency.gov.uk/scho0804bibr-e-e.pdf	2003
British Standard	BS10175:2011+A1:2013 Investigation of Potentially Contaminated Sites.	British Standards Institute https://www.bsigroup.com/en-GB/	2011/2013
British Standard	BS5930:2015 Code of Practice for Ground Investigations	British Standards Institute https://www.bsigroup.com/en-GB/	2015
British Standard	BS8576:2013 Guidance on Investigations for Ground Gas, Permanent Gases and Volatile Organic Compounds	British Standards Institute https://www.bsigroup.com/en-GB/	2013
British Standard	BS8485:2015 Code of practice for the design of protective measures for methane and carbon dioxide ground gas for new buildings	British Standards Institute https://www.bsigroup.com/en-GB/	2015
CIRIA	C665 Assessing Risks posed by Hazardous Ground Gases to Buildings	CIRIA https://www.ciria.org/	2007
CIRIA	C733 Asbestos in Soil and Made Ground: a guide to understanding and managing risks	CIRIA https://www.ciria.org/	2014
CL:AIRE	Guidance on Comparing Soil Contamination Data with a Critical Concentration - Use of statistics guidance	CL:AIRE https://www.claire.co.uk/information-centre/cl-aire-publications	2008
CL:AIRE	Research Bulletin (RB17): A Pragmatic Approach to Ground Gas Risk Assessment	CL:AIRE https://www.claire.co.uk/information-centre/cl-aire-publications	2012
CL:AIRE	Definition of Waste: Development Industry Code of Practice	CL:AIRE https://www.claire.co.uk/projects-and-initiatives/dow-cop/28-framework-and-	2011



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Creator	Title	Publisher and Place of Publication	Date of Publication
		guidance/111-dow-cop-main-document	
Defra	Environmental Protection Act 1990: Part 2A, Contaminated Land Statutory Guidance	The National Archives http://www.legislation.gov.uk/	2012
Defra	SP1010 Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination, Final Project Report Revision 2	CL:AIRE https://www.claire.co.uk/information-centre/cl-aire-publications	2014
Department for Communities and Local Government	National Planning Policy Framework	Department for Communities and Local Government https://www.gov.uk/government/publications/national-planning-policy-framework-2	2012
Environment Agency	Human Health Toxicological Assessment of Contaminants in Soil (SR2)	Environment Agency https://www.gov.uk/government/publications/human-health-toxicological-assessment-of-contaminants-in-soil	2009
Environment Agency	Updated Technical Background to the CLEA Model (SR3)	Environment Agency https://www.gov.uk/government/publications/updated-technical-background-to-the-clea-model	2009
Environment Agency	The Environment Agency's Approach to Groundwater Protection	Environment Agency https://www.gov.uk/government/publications/groundwater-protection-position-statements	2017
European Union	Council Directive 2000/60/EC establishing a framework for Community action in the field of water policy (Water Framework Directive)	European Commission http://ec.europa.eu/environment/water/water-framework/index_en.html	2000
European Union	Groundwater Daughter Directive (2006/118/EC)	European Commission http://ec.europa.eu/environment/water/water-framework/index_en.html	2006
HM Government	Part 2A Environmental Protection Act.	The National Archives http://www.legislation.gov.uk/	1990



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Creator	Title	Publisher and Place of Publication	Date of Publication
HM Government	Water Resources Act	The National Archives http://www.legislation.gov.uk/	1991
HM Government	The Environmental Damage (Prevention and Remediation) Regulations	The National Archives http://www.legislation.gov.uk/	2009
HM Government	Construction (Design and Management) Regulations	The National Archives http://www.legislation.gov.uk/	2015
HM Government	The Water Environment (Water Framework Directive) (England and Wales) Regulations	The National Archives http://www.legislation.gov.uk/	2017
Institution of Civil Engineers (ICE)	UK Specification for Ground Investigation, 2nd edition	ICE Publishing http://www.icebookshop.com/index.asp	2012
Nathanail, C. et. al.	The LQM/CIEH S4ULs for Human Health Risk Assessment	LQM http://www.lqm.co.uk/publications/	2015
SOBRA	Development of Generic Assessment Criteria for Assessing Vapour Risks to Human Health from Volatile Contaminants in Groundwater	SOBRA https://sobra.org.uk/resources/	2017
Wilson, S., Card, G., & Haines, S.	Ground Gas Handbook	CRC Press	2009

██████████
Wood PLC
Via email
██████████@Woodplc.com

Our ref: NE/2017/127936/01-L01
Your ref: HEP53-xx-RP-900-012965
Date: 16 January 2018

Dear ██████████

ENV6001151R - Heathrow airport expansion project - Land Quality Risk Assessment; approach to human health and controlled waters risk assessment (HHRA and CWRA)

Documents reviewed:

Land Quality Risk Assessment Approach to Human Health and Controlled Waters Risk Assessment, document reference: HEP53-xx-RP-900-012965

Having reviewed the submitted document we are broadly in agreement with the proposed approach to the controlled waters risk assessment from a land quality perspective presented at this early and preliminary stage. We have the following comments to make:

Our comments are only in response to the controlled waters risk assessment aspect of the document as human health matters are not within the remit of the Environment Agency but are the responsibility of the relevant local authorities.

Section specific comments:

- 3.1.8. -The Construction Phase Environmental Management Plan (CEMP) should also include comprehensive details of the groundwater and surface water monitoring programme for prior (to establish baseline), during and after construction works
- Section 4.1.3 - the reason for the gravel aquifers in the Heathrow area being classified as a Principal Aquifer is due to their being used for public water supply.
- Section 4.1.4 - in addition to the identified receptor of surface watercourses, the gravel aquifer is itself a receptor and so are the public and private abstractions from the gravel aquifer.
- Section 4.4.2 - the Lower Thames Gravels WFD GwB is a Drinking Water Protected Area and therefore UK Drinking Water Standards should be the initial criteria for use in groundwater quality risk assessments and not surface EQS values.

Due to the potential scale and impact of development associated with the expansion it will be important that the DQRA is informed by the impacts of each phase of the expansion (pre-development, construction phase and developed). This is due to the fact

Cont/d..

that the development has the potential to significantly alter the groundwater flow regimes in the area. These changes in the groundwater flow regime could potentially impact on receptors which would not necessarily be impacted based on the pre-development groundwater flow regime. It will therefore be important for the controlled waters risk assessment to be informed by the detailed groundwater modelling being carried out to inform the EIA and associated studies.

I hope that these comments are helpful. Please contact me if you have any queries.

Yours sincerely

[REDACTED]

Environment Agency

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[REDACTED]

From: [REDACTED] hounslow.gov.uk>
Sent:
To: [REDACTED]
Cc: [REDACTED] heathrow.com; [REDACTED].com
Subject: 5.3 Environmental Impact Assessment - Land Quality Risk Assessment Document Review Request

Dear [REDACTED]

Please find here comments from Hounslow Borough Council on the document "Risk Assessment, Approach to Human Health and Controlled Waters Risk Assessment" as requested in the HSPG work request LQ2A. Apologies for the delay in sending out our response but received the request later than it was sent out.

With regards to the 'site' it is unclear what the site covers will it be the whole site outlined in red as the report states that assessment of risks to groundwater at the edge of the expanded airport boundary only? With regards to Human Health assessment section 5.1.1 refers to a site wide desk study. If the site is to be reported as a whole it will be more onerous on regulators/ stakeholders to review all the site investigation and assessment data for the whole red line area when they may only be interested in distinct parts of the red line area. Is there any provision to break the site up regionally or by individual end use parcels. While it is useful to have a regional picture there may be areas of the site that need to be remediated first as they may have an effect on other parts of the site they may have an earlier build programme.

With regards to the GAC section of the report. This sets it out as S4ULs, C4SLs then historic GACs by CL:AIRE, AGS and EIC. Paragraph 5.2.3 refers to the Lead C4SL only which would take precedence under the hierarchy. It is not clear how an exceedance of a S4UL value but at a value less than the C4SL would be dealt with. We would request that further detail is provided on this. However our view is that the C4SL for Lead should only be used. A table showing contaminants of concern and the generic value to be used based on the land use would be considered useful. As well as AGS and EIC consideration should be given to Atkins or in-house derived values through appropriate use of modelling. This would be preferable to non UK standards. In addition no reference has been made to Phytotoxic contamination and some of these values can be lower than for human health.

Suitable detail should be provided on how both soil and water samples will be obtained referencing current guidance and legislation to ensure suitable samples are obtained and appropriate methods are used.

With regards to the SOBRA GACgwap consideration should be given to how it is used, specifically that it has not been derived to determine if remediation is necessary and caution that it will be sufficiently protective.

There is no reference to leachate testing. Will this be undertaken as part of the investigative works.

If gpm are required that these are validated in accordance with current guidance and standards

The document does not set out acceptance criteria for imported soils and cut & fill materials, which while being outside the scope of this document will be of interest to the same regulators/ stakeholders as we go through the environmental impact assessment process. Application of WAC testing will similarly be of interest with cut& fill operations.

If you require any additional information please let me know.

Kind regards

[REDACTED] | Land Quality Manager
Centre

London Borough of Hounslow

Office: [REDACTED]

Fax: [REDACTED]

Mob: [REDACTED]

www.hounslow.gov.uk

Date 2nd March 2018

[REDACTED]
DCO Planning Manager
Heathrow Expansion Programme
Heathrow Airport
The Compass Centre, Nelson Road
Hounslow, Middlesex
TW6 2GW

Department: Environmental Quality
Contact Name: [REDACTED]
Contact No: [REDACTED]
Fax: [REDACTED]
Email: [REDACTED] slough.gov.uk
Our Ref: [REDACTED]
Your Ref: LQ2A

Dear [REDACTED]

Re: Work Request LQ2A

I have reviewed the Land Quality Risk Assessment Report, and I have a few comments:

• **Section 3. Contaminated land risk assessment approach:**

The proposed Conceptual Site Model (CSM) which *will be developed based on the future development of the Heathrow Expansion Project scheme*, should be developed for each site identified, as suggested in paragraph 3.1.6.

• **Section 4. Controlled waters risk assessment**

This Section should be further reviewed by the EA, and advice should be sought regarding the proposed creation of new channels, and re-routing existing ones. Also, I believe that this phrase: *It is noted that the new water courses will in places also be channelised and therefore, in these locations, new linkages **will not** be created*, should read: *...new linkages **will be created**?*

Otherwise, the proposed Strategy to deal with Controlled water seems acceptable.

• **Section 5. Human Health Risk Assessment:**

Paragraph 5.2.5. mentions that the site will most likely have 2-3 end uses, thus the likely exposure scenarios must be risk assessed separately. Otherwise, the proposed assessment and investigation are acceptable.

Yours sincerely,

[REDACTED]
Senior Scientific Officer

[REDACTED]

From: [REDACTED] spelthorne.gov.uk>
Sent: 19 January 2018 17:01
To: [REDACTED]
Cc: [REDACTED] heathrow.com'; [REDACTED] woodplc.com'
Subject: Work Request LQ2A: TO 5.3 E act Assessment - Land Quality Risk
Assessment Document Review Request

Dear [REDACTED]

Please find here comments from Spelthorne Borough Council on the document "Risk Assessment, Approach to Human Health and Controlled Waters Risk Assessment" as requested in the HSPG work request LQ2A.

- Paragraph 2.2.6. states that under Part 2A risks should only be considered in relation to the current use of the land – a minor point, but the Statutory Guidance (April 2012) for Part 2A defines "current use" quite broadly to include, for example, time to time temporary uses, reasonably likely future uses that would not require planning permission, and likely informal use of the land whether authorised or not. Given that the human health and controlled waters risk assessments are being prepared for the DCO process this is probably not an important distinction.
- Having reviewed the document I am not clear about "the site", what the outputs will be and the process for assessing those outputs – For groundwater there is reference to a global site model (section 4.3) and assessment of risks to groundwater at the site boundary, so presumably this refers to the site as the whole red line area, and so assessment of risks to groundwater at the edge of the expanded airport boundary only? Paragraph 5.1.1. refers to a site wide desk study for human health assessment. Will the human health and controlled waters risk assessments be reported for the whole red line area as one, or will the red line area be divided into individual use land parcels or areas (Geographical or local authority based), or disaggregated by proposed end use, and reported separately? I can see that there are benefits to assessing the regional picture, but obviously it will be more onerous on regulators/ stakeholders to review all the site investigation and assessment data for the whole red line area when they may only be interested in distinct parts of the red line area.
- Section 5.2 describes the hierarchy of GACs to be applied in human health assessment. This sets it out as S4ULs, C4SLs then historic GACs by CL:AIRE, AGS and EIC. Paragraph 5.2.3 refers to the Lead C4SL only – Lead being the only current published C4SL for which there is not a S4UL which would take precedence under the hierarchy, so the hierarchy is potentially slightly misleading. It is not clear how an exceedance of a S4UL value (but at a value less than the C4SL) e.g. for arsenic, benzene, benzo(a)pyrene, cadmium, or chromium VI, would be dealt with. Our view would be that clarification should be given that the exception for use of a C4SL over S4ULs shall only apply to lead. Under development control we would normally anticipate that a consultant would tabulate contaminants of concern stating the generic value to be used for the applicable land use scenario(s) and stating the source. This provides greater transparency and clarity on the hierarchy. As a principle, Spelthorne agrees that assessment criteria based on the principles of "minimal" or tolerable risk" should be preferred. There is no reference to other proprietary generic assessment values such as Atkins SSVs, and/ or the derivation of in-house criteria through appropriate use of the model methodology, which can provide values for some less common contaminants, and would be preferable to use of non-UK standards.
- Paragraph 5.3.1 refers to the use of SOBRA GACgwap for assessing vapour risks to human health from volatile contaminants in groundwater. It must be noted that the GACgwap have not been derived to determine if remediation is necessary nor to be used as remediation targets, whereby a DQRA would be required. Within their report SOBRA also caution that in some instances the GACgwap are not sufficiently protective, such that where the water concentration is lower than the GAC exposure could still exceed the HCV. Therefore the GACgwap are not definitive and a full and proper Conceptual Site Model and good understanding of site specific conditions is imperative.
- There is no reference to any leachate testing or assessment there of – will this type of testing be done or will it only be soils and water testing?

- The document is of course related to assessment of contamination, but it is worth saying at this stage that if gas protection is appropriate that installation should be validated in accordance with CIRIA C735 (2014, Good practice on the testing and verification of protection systems for buildings against hazardous ground gases) in order to comply with the requirements of the BS8485: 2015.
- The document does not make any reference to phytotoxic contamination. Under development control we would expect a consultant's table of assessment criteria/ acceptance criteria to reflect the phytotoxic values of zinc, nickel and copper for landscaping and open space land use scenarios, as set out in BS 3882:2015 Specification for topsoil and BS8601: 2013 Specification for subsoil and requirements for use, which are markedly lower than the human health S4ULs.
- The document does not set out acceptance criteria for imported soils and cut & fill materials, which while being outside the scope of this document will be of interest to the same regulators/ stakeholders as we go through the environmental impact assessment process. Application of WAC testing will similarly be of interest with cut& fill operations.

Please do not hesitate to contact me if you have any queries with respect to these comments.

Kind regards,

██████████

██████████

Principal Pollution Control Officer

Spelthorne Borough Council,
Council Offices, Knowle Green, Staines-upon-Thames, TW18 1XB
Tel: ██████████

██████████ **working hours are Monday, Wednesday and Friday 08.00 – 17.30; and Tuesday and Thursday 08.00 – 14.30. Outside of these hours, if your query is urgent, please telephone our support team on 01784 446 251. For non-urgent queries please re-direct your email to pollution.control@spelthorne.gov.uk.**

Spelthorne Means Business

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Appendix 14.4

Minerals safeguarding policy context



1. OVERVIEW OF POLICY CONTEXT

- 1.1.1 Minerals safeguarding and extraction is regulated principally under the Planning Regime, with control over operational matters divided between the Planning Regime, Environmental Permitting (which is regulated by the Environment Agency) and the Health and Safety Executive.
- 1.1.2 The planning policy framework which the applicant for the Development Consent Order (DCO) Project would have to comply with is set out in the revised draft Airports National Policy Statement (ANPS)¹. This sets out the policies to be applied in determining any future application through the DCO process
- 1.1.3 The revised draft ANPS was published in October 2017, with the intention that the final ANPS will be designated by Parliament in the end of the first half of 2018.
- 1.1.4 Once designated, the ANPS will provide the principal planning policy to be applied in determining Heathrow's DCO application. The ANPS states:
- 1.12 The Airports NPS provides the primary basis for decision making on development consent applications for the Northwest Runway at Heathrow Airport, and will be an important and relevant consideration in respect of applications for new runway capacity and other airport infrastructure in London and the South east of England. Other NPSs may also be relevant to decisions on airport capacity in this geographical area.*
- 1.1.5 The NPS policy requirements in relation to mineral safeguarding are underpinned by established national minerals safeguarding policies set out in the National Planning Policy Framework (NPPF), National Policy Statement for National Networks (NN NPS) and Planning Practice Guidance (PPG). Local Plans produced by Local Planning Authorities (LPAs) also contain policies for mineral safeguarding and mineral extraction. These documents are replaced by the NPS in respect of the DCO Project but remain as important material considerations which, *inter alia*, set out the detailed policy requirements in relation to mineral safeguarding.
- 1.1.6 The relevant points from these documents in relation to minerals safeguarding are set out in the following sections.

1.2 Airports National Policy Statement

- 1.2.1 Relevant sections of the revised draft ANPS are reproduced below:

¹ Department of Transport, Revised Draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England, October 2017



Heathrow Expansion

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5.115 The applicant should safeguard any mineral resources on the proposed site for the preferred scheme as far as possible.

5.119 Where the preferred scheme has an impact on a mineral safeguarding area, the Secretary of State must ensure that the applicant has put forward appropriate mitigation measures to safeguard mineral resources.

1.2.2 Other relevant linked policy extracts from the revised draft ANPS include:

5.79 Mitigation measures at the construction stage should also be provided and draw on best practice from other major construction schemes, including during the procurement of contractors. Specific measures could include but are not limited to [inter alia]:

- Selection of construction materials to utilise low carbon options; and*
- Selection of construction material to minimise distance of transport.*

5.227 The applicant has a range of mechanisms available to mitigate and minimise risks of land instability. These include [inter alia]:

- Requiring ground improvement techniques, usually involving the removal of poor material and its replacement with suitable inert and stable material. For development on land previously affected by mining activity, this may mean prior extraction of any remaining mineral resource.*

1.3 National Planning Policy Framework

1.3.1 The National Planning Policy Framework (NPPF) outlines the requirement for mineral safeguarding and extraction through the planning system. The NPPF was published in 2012 and sets out the Government's planning policies for England and how these are expected to be applied.

1.3.2 Specifically related to minerals safeguarding, the NPPF states that:

13. Facilitating the sustainable use of minerals

142. Minerals are essential to support sustainable economic growth and our quality of life. It is therefore important that there is a sufficient supply of material to provide the infrastructure, buildings, energy and goods that the country needs. However, since minerals are a finite natural resource, and can only be worked where they are found, it is important to make best use of them to secure their long-term conservation.

143. In preparing Local Plans, local planning authorities should:

- define Minerals Safeguarding Areas and adopt appropriate policies in order that known locations of specific minerals resources of local and national importance are not needlessly sterilised by non-mineral development, whilst not creating a presumption that resources defined will be worked; and define Minerals Consultation Areas based on these Minerals Safeguarding Areas;*
- safeguard:*



- *existing, planned and potential rail heads, rail links to quarries, wharfage and associated storage, handling and processing facilities for the bulk transport by rail, sea or inland waterways of minerals, including recycled, secondary and marine-dredged materials; and*
 - *existing, planned and potential sites for concrete batching, the manufacture of coated materials, other concrete products and the handling, processing and distribution of substitute, recycled and secondary aggregate material.*
 - *set out policies to encourage the prior extraction of minerals, where practicable and environmentally feasible, if it is necessary for non-mineral development to take place;*
144. *When determining planning applications, local planning authorities should, [inter alia]:*
- *give great weight to the benefits of the mineral extraction, including to the economy;*
 - *ensure, in granting planning permission for mineral development, that there are no unacceptable adverse impacts on the natural and historic environment, human health or aviation safety, and take into account the cumulative effect of multiple impacts from individual sites and/or from a number of sites in a locality;*
 - *not normally permit other development proposals in mineral safeguarding areas where they might constrain potential future use for these purposes;*
145. *Minerals planning authorities should plan for a steady and adequate supply of aggregates by:*
- *preparing an annual Local Aggregate Assessment, either individually or jointly by agreement with another or other mineral planning authorities, based on a rolling average of 10 years sales data and other relevant local information, and an assessment of all supply options (including marine dredged, secondary and recycled sources);*
 - *participating in the operation of an Aggregate Working Party and taking the advice of that Party into account when preparing their Local Aggregate Assessment;*
 - *making provision for the land-won and other elements of their Local Aggregate Assessment in their mineral plans taking account of the advice of the Aggregate Working Parties and the National Aggregate Coordinating Group as appropriate. Such provision should take the form of specific sites, preferred areas and/or areas of search and locational criteria as appropriate taking account of published National and Sub National Guidelines on future provision which should be used as a guideline when planning for the future demand for and supply of aggregates;*
 - *using landbanks of aggregate minerals reserves principally as an indicator of the security of aggregate minerals supply, and to indicate the additional provision that needs to be made for new aggregate extraction and alternative supplies in mineral plans;*
 - *making provision for the maintenance of landbanks of at least 7 years for sand and gravel and at least 10 years for crushed rock, whilst ensuring that the capacity of operations to supply a wide range of materials is not compromised. Longer periods may be appropriate to take account of the need to supply a range of types of aggregates, locations of permitted reserves relative to markets, and productive capacity of permitted sites;*
 - *ensuring that large landbanks bound up in very few sites do not stifle competition; and*
 - *calculating and maintaining separate landbanks for any aggregate materials of a specific type or quality which have a distinct and separate market.*



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1.4 National Policy Statement for National Networks

- 1.4.1 The NN NPS outlines the requirement for mineral safeguarding and extraction as they relate to the delivery of nationally significant infrastructure (NSIP) projects on the national road and rail networks in England. The NN NPS was published in 2014 and sets out the Government's policies for England and how these are expected to be applied
- 1.4.2 Section 5 (Paragraph 169) of the NN NPS advises that *"Applicants should safeguard any mineral resources on the proposed site as far as possible"*.
- 1.4.3 Section 5 (Paragraph 182) advises that *"Where a proposed development has an impact on a Mineral Safeguarding Area (MSA), the Secretary of State should ensure that the applicant has put forward appropriate mitigation measures to safeguard mineral resources"*.

1.5 National Planning Practice Guidance

- 1.5.1 The National PPG, published alongside the NPPF, states:

What are mineral resources and why is planning permission required?

Mineral resources are defined as natural concentrations of minerals or, in the case of aggregates, bodies of rock that are, or may become, of potential economic interest due to their inherent properties. They make an essential contribution to the country's prosperity and quality of life. ...

Planning for the supply of minerals has a number of special characteristics that are not present in other development:

- *minerals can only be worked (i.e. extracted) where they naturally occur, so location options for the economically viable and environmentally acceptable extraction of minerals may be limited. This means that it is necessary to consider protecting minerals from non-minerals development and has implications for the preparation of minerals plans and approving non-mineral development in defined mineral safeguarding areas;*
- *working is a temporary use of land, although it often takes place over a long period of time;*
- *working may have adverse and positive environmental effects, but some adverse effects can be effectively mitigated;*
- *since extraction of minerals is a continuous process of development, there is a requirement for routine monitoring, and if necessary, enforcement to secure compliance with conditions that are necessary to mitigate impacts of minerals working operations; and*
- *following working, land should be restored to make it suitable for beneficial after-use.*

The mineral planning authority is the county council (in 2-tier parts of the country), the unitary authority, or the national park authority. Minerals extraction may only take place if the operator has obtained both planning permission and any other permits and approvals. These



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include permits from bodies such as the Environment Agency, and licenses from Natural England and, in relation to coal resources, the Coal Authority.

Paragraph: 001 Reference ID: 27-001-20140306

Revision date: 06 03 2014

What steps should mineral planning authorities take to safeguard mineral resources?

Mineral planning authorities should adopt a systematic approach for safeguarding mineral resources, which:

- uses the best available information. to define Mineral Safeguarding Areas [MSA];*
- sets out Minerals Safeguarding Areas on the policies map that accompanies the local plan and*
- define Minerals Consultation Areas [MCA]; and*
- adopt clear development management policies which set out how proposals for non-minerals development in Minerals Safeguarding Areas will be handled, and what action applicants for development should take to address the risk of losing the ability to extract the resource. This may include policies that encourage the prior extraction of minerals, where practicable, if it is necessary for non-mineral development to take place in Minerals Safeguarding Areas and to prevent the unnecessary sterilisation of minerals.*

Detailed advice on mineral safeguarding may be found in the British Geological Survey Report Mineral safeguarding in England: good practice advice.

Paragraph: 003 Reference ID: 27-003-20140306

Revision date: 06 03 2014.

Is it appropriate to safeguard mineral resources in designated areas and urban areas?

Safeguarding mineral resources should be defined in designated areas and urban areas where necessary to do so. For example, safeguarding of minerals beneath large regeneration projects in brownfield land areas can enable suitable use of the mineral and stabilisation of any potentially unstable land before any non-minerals development takes place.

Paragraph: 004 Reference ID: 27-004-20140306

Revision date: 06 03 2014.

Why should planning authorities safeguard existing, planned and potential storage, handling and transport sites?

Planning authorities should safeguard existing, planned and potential storage, handling and transport sites to:

- ensure that sites for these purposes are available should they be needed; and*
- prevent sensitive or inappropriate development that would conflict with the use of sites identified for these purposes.*

In areas where there are county and district authorities, responsibility for safeguarding facilities and sites for the storage, handling and transport of minerals in local plans will rest largely with the district planning authority. Exceptions will be where such facilities and sites



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are located at quarries or aggregate wharves or rail terminals.

Planning authorities should consider the possibility of combining safeguarded sites for storage, handling and transport of minerals with those for processing and distribution of recycled and secondary aggregate. This will require close co-operation between planning authorities.

Paragraph: 006 Reference ID: 27-006-20140306

Revision date: 06 03 2014”

Planning Practice Guidance defines MSA and MCA as follows:

“Minerals Safeguarding Area – an area designated by a Mineral Planning Authority which covers known deposits of minerals which are desired to be kept safeguarded from unnecessary sterilisation by non-mineral development.”

“Minerals Consultation Area – a geographical area, based on a Mineral Safeguarding Area, where the district or borough council should consult the Mineral Planning Authority for any proposals for non-minerals development”.

Paragraph: 221 Reference ID: 27-221-20140306

Revision date: 06 03 2014

“What is the role of the district council, as the local planning authority, in safeguarding minerals?”

Whilst district councils are not mineral planning authorities, they have an important role in safeguarding minerals in 3 ways:

- having regard to the local minerals plan when identifying suitable areas for non-mineral development in their local plans. District councils should show Mineral Safeguarding Areas on their policy maps;
- in those areas where a mineral planning authority has defined a Minerals Consultation Area, consulting the mineral planning authority and taking account of the local minerals plan before determining a planning application on any proposal for non-minerals development within it; and
- when determining planning applications, doing so in accordance with development policy on minerals safeguarding, and taking account of the views of the mineral planning authority on the risk of preventing minerals extraction.

Paragraph: 005 Reference ID: 27-005-20140306

Revision date: 06 03 2014”

1.6 Guidance

- 1.6.1 The detailed advice on mineral safeguarding referenced in PPG paragraph 003 *British Geological Survey Report Mineral safeguarding in England: good practice advice* reinforces the guidance in PPG paragraph 004, stating that (*inter alia*):



2.3 Safeguarding Mineral Resources

2.3.1 *Mineral resources are finite and they must be protected to give future generations the best possible chance of meeting their own needs. Minerals can only be worked where they naturally occur and with increased pressure on land use we must ensure that those resources are not needlessly sterilised.*

2.3.2 *Sterilisation of mineral resources can occur as a result of surface development directly overlying the mineral resource, or by development that is situated on or close to the boundary of the resource. The marked differences in geological occurrences, properties, markets, and supply and demand for minerals, give rise to different land use planning implications and safeguarding considerations depending on the location”*

2.3.3 *There is no presumption that areas within a MSA will ultimately be allocated for extraction. If an application is submitted for mineral extraction within an MSA, the MSA designation itself does not provide any support for a grant of consent. If a MSA wishes to define future allocations for extraction then such areas must be identified as Areas of Search, Preferred Areas, and Specific Site allocations. Equally, there is no presumption that non-mineral development within a MSDA is automatically precluded. MSAs alert those proposing sites for future development to the presence of valuable mineral resources which they otherwise might not have considered. The MSAs indicate where local minerals safeguarding policies, formulated specifically to suit local circumstances may apply. The process should ensure that minerals are not necessarily sterilised whilst allowing competing development to proceed if there is an overriding need for it. In those circumstances, extraction of the mineral ahead of the development (prior extraction) should always be considered.*

A complete safeguarding process will:

- *identify mineral resources from the best available information*
- *define and adopt mineral safeguarding areas in development plans*
- *adopt suitable policies to ensure that minerals are not unnecessarily sterilised.*

4.2.10 *In urban areas, MPAs should define MSAs to highlight the potential for extracting minerals (such as shallow coal, river terrace sand and gravel or Etruria Formation clays) beneath large regeneration projects and brownfield sites. Mineral development on such sites, particularly on the fringes of the urban areas, may be of economic advantage due to the availability of mineral on site for the development proposed, or the shorter distance to market if sold*

- 1.6.2 Other guidance recognises the likely limitations of scale of prior extraction of minerals where development or redevelopment are involved, in particular *Guidance Note on Mineral Safeguarding Process for Aggregates – Sand and Gravel and Carstone*; Norfolk County Council, November 2014, which states that:

“Whatever form the prior extraction takes, it is recognised that some scales of prior extraction may be incompatible with the proposed development, this would need to be determined on a site by site basis. However, it is considered likely that some form of prior extraction would be feasible on most sites where viable mineral is proved.”



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1.7 Local development plan policy

1.7.1 In accordance with the requirements set out in the national policies, the LPAs have each addressed the issue of Mineral Safeguarding in their existing and emerging Development Plans.

1.7.2 The mineral extraction and mineral safeguarding policies of the following LPAs are likely to be relevant because the DCO Project sits within or close to these LPA areas:

1. London Boroughs

- a. London Borough of Hillingdon
- b. London Borough of Haringey.

2. Two Tier Authority Areas (where the County Council is the Mineral Planning Authority):

- a. Surrey:
 - o Surrey County Council
 - o Spelthorne Borough Council
 - o Runnymede Borough Council.
- b. Buckinghamshire:
 - o Buckinghamshire County Council
 - o South Bucks District Council.

3. Unitary Authorities:

- a. Windsor and Maidenhead Council
- b. Slough Borough Council.

1.7.3 The London Boroughs (Hillingdon and Haringey) and the Berkshire Unitary Authorities (Slough and Windsor and Maidenhead) together with Surrey County Council and Buckinghamshire County Council are all MPAs in their own right.

1.7.4 In summary, the LPAs have:

1. Designated specific sites in their Plans for future mineral working. These are variously described as “preferred sites” or “preferred areas” and occasionally “safeguarded sites”. The policies confer an in-principle presumption in favour of the site being extracted for sand and gravel. These sites take on a particular importance because they are needed to replenish the permitted minerals reserves which make up the MPAs individual and collective contributions to

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maintaining a landbank of permitted mineral reserves; which is a key mechanism for maintaining a steady and adequate supply of aggregate minerals.

2. Designated as safeguarded, individual sites or whole areas of known mineral reserves for future mineral working, but with no presumption that proposals for mineral extraction will be acceptable.

- 1.7.5 In addition to Development Plan policies, MPAs are required by the NPPF to produce (individually or jointly) an annual Local Aggregates Assessment (LAA). The LAA is intended to outline the sources of supply and demand for aggregates within the MPA area and make an assessment as to whether there is a shortage or surplus of supply, and how any shortages will be addressed.
- 1.7.6 The NPPF also requires MPAs to participate in Aggregate Working Parties (AWP) in order to maintain a steady and adequate supply of aggregates. The AWP's are responsible for preparing Aggregate Monitoring reports. The information and advice in these reports is essential for the preparation of LAAs.
- 1.7.7 The AWP's relevant for the proposed development are the South-East Region and London AWP's.
- 1.7.8 The MPAs and AWP's will also be important consultees on the proposed approach to Minerals Safeguarding and Extraction during the scoping phase of the DCO application process.



Appendix 14.5

Minerals safeguarding assessment approach

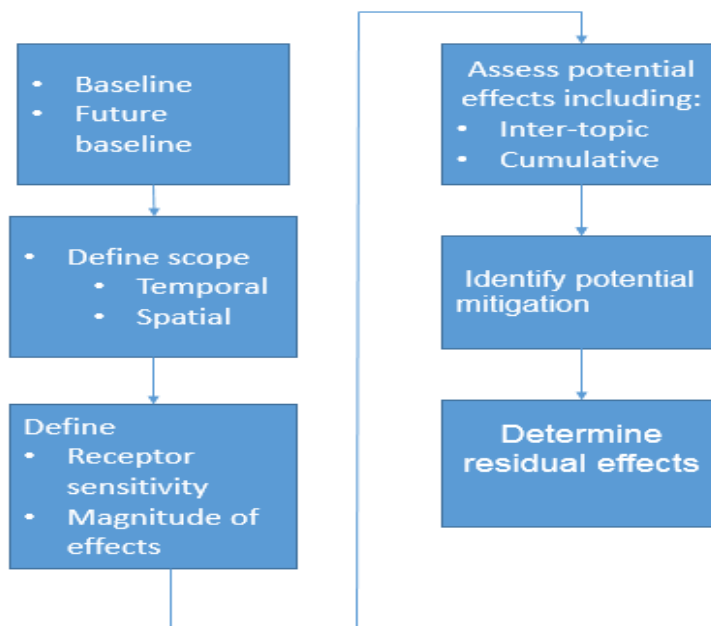


1. OVERVIEW

1.1 Assessment of effects on mineral safeguarding

- 1.1.1 The following provides a methodology for the assessment of effects on safeguarded mineral resources.
- 1.1.2 There is no established methodology for assessing the environmental effects of a development on mineral safeguarding. The proposed methodology detailed in this appendix has therefore been developed based on the guidance detailed in **Appendix 14.4: Minerals Safeguarding Policy Context** and professional judgement.
- 1.1.3 A flowchart summarising the proposed methodology presented as Graphic 14.5.1.

Graphic 14.5.1 Mineral resources Environmental Impact Assessment (EIA) methodology approach flowchart



- 1.1.4 The approach seeks to identify the ways in which the DCO Project could impact on the existing mineral resources in terms of safeguarded mineral resources and sterilisation of unworked mineral resources.

1.2 Receptors and minerals sterilisation

- 1.2.1 The key receptor for the minerals assessment is the unworked mineral resources themselves.



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- 1.2.2 Sterilisation of mineral resources is the loss of access to those resources as a consequence of non-mineral development. When permanent development is constructed over mineral resources, those resources directly underneath (and also areas potentially beyond the development) will become unavailable for current and future generations to extract the mineral.
- 1.2.3 As construction also consumes aggregate minerals (for example in concrete production), the sterilisation of a mineral resource also results in other sites and areas being extracted instead, thereby depleting the finite resources in those areas and 'passing on' the environmental effects of mineral extraction to another site or area.
- 1.2.4 Mineral sterilisation is therefore likely to occur when existing sand and gravel reserves are:
1. Built over for the first time i.e. greenfield sites
 2. Below areas that are proposed for redevelopment and are rendered inaccessible again by new development or,
 3. Subject to new constraints which may prevent them from being worked, including:
 - a. New non-mineral development which introduces constraints on the extraction of mineral reserves on both the development site and on mineral resources nearby due to the need to protect new land uses and sensitive receptors
 - b. The change of use of undeveloped sites to uses that may not be compatible with mineral extraction, for example, sites earmarked for public open space or biodiversity.
- 1.2.5 On this basis, areas of land within the study area can be divided into three main receptor categories:
1. Undisturbed greenfield sites with underlying mineral resources
 2. Sites already subject to current and / or previous mineral workings but with remaining unworked reserves of sand and gravel
 3. Sites already developed with permanent buildings/infrastructure, but which will be displaced (and therefore demolished) as part of the DCO Project, thus potentially exposing unworked reserves of sand and gravel.
- 1.2.6 Within each receptor category, there may be a number of distinguishable receptor types which include:
1. Existing extraction sites (operational or dormant but which could be restarted)



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2. Existing sites (operational or dormant) with planning permission for extensions to the existing or former operations
3. Sites with existing planning permission for new extraction
4. Sites designated as preferred sites for mineral extraction in Local Planning Authority (LPA) local plans
5. Sites designated as safeguarded sites and areas in LPA local plans
6. Safeguarded mineral resources on undesignated sites.

1.3 Characterising potential effects

- 1.3.1 This section will describe the characteristics of the potential effects of the DCO Project on minerals resources.
- 1.3.2 The sensitivity and magnitude of the effects will each be categorised as High, Medium, Low or Negligible, with the significance of the combined sensitivity and magnitude categorised as Major, Moderate, Minor or Negligible.
- 1.3.3 Whilst demolition work is beyond the general scope of the minerals safeguarding topic, it is important to note that the periodic removal and replacement of buildings and infrastructure takes place on many sites with varying lengths of time between demolition and redevelopment.
- 1.3.4 Each time this happens it theoretically creates conditions where some minerals that may be sterilised by the current development become available for extraction prior to redevelopment proceeding. These conditions have been incorporated into the potential effects.
- 1.3.5 The potential sensitivity of the mineral resources will be assigned using Table 14.5.1.

Table 14.5.1 Evaluation of receptor sensitivity

Mineral resource present	Resource Sensitivity	Planning designation	Planning Sensitivity	Overall Receptor Sensitivity
Nationally important aggregate or industrial mineral sparsely distributed and with limited regional and local reserves	High	Active or mothballed quarry with substantial remaining reserves	High	High
Nationally important aggregate or industrial mineral, widely distributed but with limited regional and local reserves	Medium	Site allocated in a Local Plan for sand and gravel extraction and with	High	High

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Mineral resource present	Resource Sensitivity	Planning designation	Planning Sensitivity	Overall Receptor Sensitivity
		substantial reserves		
Nationally important aggregate or industrial mineral, widely distributed but with limited regional and local reserves	Medium	Areas with substantial reserves and subject to a safeguarding designation or policy presumption	High	Medium
Nationally important aggregate or industrial mineral, widely distributed and with substantial regional and local reserves	Low	Areas with limited reserves and subject to a safeguarding designation or policy presumption	Low	Low
Nationally important aggregate or industrial mineral, widely distributed and with limited regional and local reserves	Medium	Areas with limited reserves and subject to a safeguarding designation or policy presumption	Low	Low
Nationally important aggregate or industrial mineral, widely distributed and with limited regional and local reserves	Medium	Areas with negligible reserves subject to safeguarding designation or policy presumption	Negligible	Negligible
Nationally important aggregate or industrial mineral, widely distributed and with limited regional and local reserves	Medium	Green field areas with substantial reserves subject to general safeguarding policy	Medium	Medium
Nationally important aggregate or industrial mineral, widely distributed and with substantial regional and local reserves	Low	Redevelopment areas with substantial reserves subject to general safeguarding policy	Medium	Low
Nationally important aggregate or industrial mineral, widely distributed and with limited regional and local reserves	Medium	Redevelopment areas with substantial reserves subject to	Medium	Medium

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Mineral resource present	Resource Sensitivity	Planning designation	Planning Sensitivity	Overall Receptor Sensitivity
		general safeguarding policy		
Important non-aggregate mineral widely distributed and with accessible regional and local reserves	Low	The Project's development sites	Low	Low

Note: Substantial reserves is defined as over 100,000 tpa workable reserves. Limited reserves is defined as less than 100,000tpa workable reserves.

1.3.6 In Table 14.5.1, the sensitivity of a particular deposit is determined by a combination of the importance ascribed to the particular type of mineral and also the importance ascribed to the specific reserves in the minerals policies and site allocations of the relevant Local Plan, on the following basis:

1. Sand and gravel is an aggregate mineral of national importance. Government's policy priority is to ensure a steady and adequate supply of aggregate minerals
2. Current supplies of sand and gravel come from a combination of land based quarries and marine dredged sources
3. Land based sand and gravel deposits are spread widely but unevenly across the UK. In south-east England reserves are significantly constrained due to the extent of previous working. The area around Heathrow has historically been extensively worked for sand and gravel
4. Minerals can only be worked where they naturally occur and any one mineral site will have a finite quantity of extractable minerals. As the mineral in each planning permission is progressively extracted, the remaining 'landbank' of permitted mineral reserves is also being depleted
5. Mineral Planning Authorities (MPAs) are required to ensure that an adequate landbank of land won sand and gravel planning permissions is maintained. (This also applies to other aggregate minerals as well including 'crushed rock'). They do this by periodically reviewing the minerals policies in their Local Plan which enables them to designate new minerals sites or extensions to existing. They also monitor sales of minerals and the extent of mineral reserves with planning permission and grant planning permission for additional reserves when there is a demonstrable need
6. MPAs are also required to designate areas with known mineral reserves as 'Minerals Safeguarding Areas' but with no necessary presumption that the mineral will be worked. These areas are also designated as 'Minerals Consultation Areas'. This ensures that proposals for non-mineral development



in these areas (which would have the effect of sterilising the mineral by preventing its extraction in the future) are the subject of a consultation process with the MPA; and there is a requirement to assess the feasibility of prior extraction before any grant of planning permission for the development.

- 1.3.7 The potential magnitude of the effect will be assessed using the criteria in Table 14.5.2 which reflects the viability of the mineral resources present and the extent to which these are sterilised as a consequence of the DCO Project.

Table 14.5.2 Evaluation of magnitude of effects

Magnitude	Criteria
High	<p>Development permanently prevents viable exploitation of a resource.</p> <p>Development causes a significant loss of a resource that cannot be accommodated by alternative sites at a local or regional level.</p> <p>Development directly and adversely affects the operation of an ongoing mineral extraction site, to the extent that its viability is clearly and demonstrably reduced.</p>
Medium	<p>Development has permanent effects that will sterilise a significant proportion of a mineral deposit (excluding those under ongoing extraction).</p> <p>Development has temporary effects that sterilise a significant proportion of a mineral deposit (excluding those under ongoing extraction), but which would be expected to be reversed in the short to medium term.</p>
Low	<p>Development permanently affects a minor proportion of a mineral deposit, to an extent that is unlikely to significantly affect its overall viability or quality.</p> <p>Development has temporary effects that sterilise minor parts of a mineral deposit (excluding those under ongoing extraction), which would be expected to be reversed in the short to medium term.</p>
Negligible	<p>Development has no permanent or temporary effects on mineral deposits that would affect the ability to extract the deposits, their viability or their quality.</p>

1.4 Evaluation of significance of effects

The significance of the effects on mineral resources will be determined by combining the receptor sensitivity and the magnitude of the effects using the matrix presented in

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1.4.1 Table 14.5.3.



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Table 14.5.3 Determination of Significant Effects on Mineral Resources

Sensitivity of Receptor	Magnitude of Effects			
	High	Medium	Low	Negligible
High	Major	Major	Moderate	Minor
Medium	Major	Moderate	Minor	Negligible
Low	Moderate	Minor	Negligible	Negligible
Negligible	Minor	Negligible	Negligible	Negligible

- 1.4.2 It is proposed that effects assessed as major will be considered to be significant for the purposes of the EIA.
- 1.4.3 Effects assessed as moderate or minor would not, however, be disregarded. Whilst not significant for EIA purposes, measures to reduce such effects may be incorporated as 'additional' or 'best practice' mitigation within the draft Code of Construction Practice (CoCP).
- 1.4.4 The draft CoCP will incorporate the requirements for a Materials Management Plan (MMP) to be developed which will seek to maximise the reuse of clean mineral resources excavated as part of the DCO Project.



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Appendix 15.1

Definitions



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Major accidents and disasters:

Definitions

1. DEFINITIONS

- 1.1.1 Given that the topic of major accidents and disasters is new to Environmental Impact Assessment (EIA), it is important that concepts and the context of terms used in the assessment are agreed and understood. The following definitions are referenced throughout **Chapter 15: Major accidents and disasters**.
- 1.1.2 **Note 1:** These definitions have been developed for use in documents relating to major accidents and disasters topic, only. Alternative definitions of these phrases may be applied in documents prepared in other topic chapters within the EIA. This is due to differences in the nature and focus of each topic considered.
- 1.1.3 **Major accident** – An occurrence resulting from an uncontrolled event caused by a man-made activity or asset leading to serious damage on receptors, either immediate or delayed.
- 1.1.4 **Note 1:** This either arises from (directly or indirectly), or has potential to impact upon the DCO Project under assessment. This includes the third runway and associated activities and features, during both construction and operation.
- 1.1.5 **Note 2:** Major accidents include both those sourced at the DCO Project under assessment and those sourced externally but interacting with it.
- 1.1.6 Examples: A major accident at a third-party establishment which gives rise to significant injury at the airport; aircraft crash; fire in terminal or discharge of contaminated firewater or de-icer.
- 1.1.7 **Disasters** – A natural occurrence leading to serious damage on receptors, either immediate or delayed.
- 1.1.8 **Note 1:** The 2014/52/EU Directive Para 14 refers to man-made disasters and the European Commission document *A Community Approach on the Prevention of Natural and Man-made Disasters (February 2009)*. The remainder of the Directive refers only to disasters or natural disasters. Our interpretation is that the concept of man-made disasters is therefore included in the definition of ‘major accidents’ in the 2014/52/EU Directive.
- 1.1.9 **Note 2:** This either arises from (directly or indirectly), or has potential to impact upon the development.
- 1.1.10 Examples: Hurricane, landslide, extreme seismic activity.
- 1.1.11 **Vulnerability** – The United Nations Office of Disaster Risk Management (UNISDR) definition of vulnerability¹⁴⁶ is ‘*The conditions determined by physical,*

¹⁴⁶ United Nations Office of Disaster Risk Management www.unisdr.org/we/inform/terminology (accessed 17 January 2018)



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social, economic and environmental factors or processes which increase the susceptibility of an individual, a community, assets or systems to the impacts of hazards'. This is applied in this assessment as the reduced ability of the development to plan, control, resist and recover from a major accident or disaster in a timely manner.

- 1.1.12 **Note 1:** The major accidents and disasters assessment will include consideration of relevant environmental features and effects from major accidents and disasters associated with the development and adding to its vulnerability, not only those of the development itself.
- 1.1.13 **Receptors** – Population and human health, biodiversity, land, soil, water, air, climate, material assets, cultural heritage and landscape. These are as defined in Regulation 5(2) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 and include people.
- 1.1.14 **Note 1:** The definition of receptors includes those which are part of the development, as well as those in the surrounding area.
- 1.1.15 **Serious damage to human populations** – This includes harm which would be considered substantial i.e. death(s), multiple serious injuries or a substantial number requiring medical attention.
- 1.1.16 **Serious damage on the environment** – Loss or significant detriment to populations of species or organisms, valued sites (including designated sites), valued cultural heritage sites, contamination of drinking water supplies, ground or groundwater, or harm to environmental receptors in line with other UK Major Accident regulations¹⁴⁷.
- 1.1.17 **Significant effect** – A significant effect is an increased risk of major accidents and disasters to a receptor leading to a total risk level that would be considered intolerable to general society and cannot be justified on any grounds. Further guidance on how intolerable is measured is provided in R2P2¹⁴⁸ and 'All Measures Necessary'¹⁴⁹.
- 1.1.18 **Note 1:** Direction provided by the European Commission (2017) highlights that the context for inclusion of major accidents and disasters is to ensure that adequate focus is given to the provisions for events leading to significant risk with an objective of building resilience in a development against such effects.
- 1.1.19 **Note 2:** At scoping stage all potential significant effects are considered. Risk reduction measures to prevent, control, recover from and reduce the impact of

¹⁴⁷ Control of Major Accident Hazards (COMAH) Regulations 2015

¹⁴⁸ Health and Safety Executive, Reducing Risk Protecting People (R2P2), 2001

¹⁴⁹ Health and Safety Executive, Environment Agency, Scottish Environmental Protection Agency, Natural Resources Wales, Office for Nuclear Regulation, All Measures Necessary – Environmental Aspects Guidance to the Competent Authority Inspectors and Officers, April 2016



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major accidents and disasters form a key part of the assessment and will help to identify those which are likely significant effects.

- 1.1.20 **Likely significant effect** – A significant effect which following assessment is confirmed to be present as a result of the development and remain even after risk reduction measures have been applied.
- 1.1.21 **Pathway** – The physical route or medium by which a hazard source reaches and effects a receptor.
- 1.1.22 **Risk** – The likelihood of an event occurring and resulting in a given consequence.
- 1.1.23 **Intolerable** – Intolerable denotes a level of risk to individuals, groups of individuals (societal risk) or the environment that would be considered to be unacceptable. In the HSE document R2P2¹⁴⁸, intolerable and unacceptable are used interchangeably. HSE state that *‘a particular risk falling into that [unacceptable/intolerable] region is regarded as unacceptable whatever the level of benefits associated with the activity. Any activity or practice giving rise to risks falling in that region would, as a matter of principle, be ruled out unless the activity or practice can be modified to reduce the degree of risk’*
- 1.1.24 **Tolerable** – Tolerable risk denotes a level of risk to individuals, groups of individuals (societal risk) or the environment that society *‘is willing to live with a risk so as to secure certain benefits in the confidence that the risk is one that is worth taking and that it is being properly controlled’*. However, there are several constraints, HSE¹⁴⁸ state that in return for tolerating that risk, society can expect from the development that:
1. The nature and level of the risks are properly assessed and the results used properly to determine control measures
 2. The residual risks are not unduly high and kept as low as reasonably practicable (the ALARP principle)
 3. The risks are periodically reviewed to ensure that they still meet the ALARP criteria.
- 1.1.25 **Broadly acceptable** – Broadly acceptable risk denotes a level of risk to individuals, groups of individuals (societal risk) or the environment that according to HSE¹⁴⁸ is *‘generally regarded as insignificant and adequately controlled’*. This level of risk is generally considered extremely low in comparison to background risk and so can be easily accepted by society. HSE state that *‘the levels of risk characterising this region are comparable to those that people regard as insignificant or trivial in their daily lives.’*
- 1.1.26 **Reasonably foreseeable** – A reasonably foreseeable major accident or disaster is one that could credibly be expected to occur as part of the development as a



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result of events and behaviour associated with that development. HSE state in R2P2148 that *'the risk of a well-designed, properly built and well maintained building collapsing would not be regarded as a reasonably foreseeable event (unless signs such as subsidence, cracked walls or falling roof tiles suggest otherwise).'*'

- 1.1.27 **ALARP** – As Low As Reasonably Practicable (ALARP) refers to a state where the level of risk for a potential major accident or disaster falling within the tolerable band (defined in 1.1.24) is at a level where the sacrifice required to further reduce the level of risk is 'grossly disproportionate' to the benefit gained in terms of risk reduction.
- 1.1.28 Note 1: While ALARP is used in this document, it should be noted that So Far Is As Reasonably Practicable (SFAIRP) is used in some legislation. HSE state that *'In HSE's view, the two terms are interchangeable except if you are drafting formal legal documents when you must use the correct legal phrase.'*¹⁵⁰

¹⁵⁰ HSE, ALARP at a glance <http://www.hse.gov.uk/risk/theory/alarpglance.htm> (accessed on 27/04/18]



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Major accidents and disasters:

Relevant legislation, national and local planning policies

Appendix 15.2

Relevant legislation, national and local planning policies



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1. LEGISLATION, NATIONAL AND LOCAL PLANNING POLICIES

- 1.1.1 Policy and legislation relevant to the major accidents and disasters assessment methodology is detailed in Section 15.2 of the Scoping Report.
- 1.1.2 Additional information concerning other legislation and guidance relevant to the major accidents and disasters assessment methodology is provided in Table 15.2.1.

Table 15.2.1 Additional legislation and guidance relevant to the major accidents and disasters assessment methodology

Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
Legislation	
Infrastructure Planning (Environmental Impact Assessment) Regulations 2017	These Regulations provide the legislative requirements for Environmental Impact Assessment (EIA) of Nationally Significant Infrastructure Projects in England and Wales, including the new requirement to consider Major Accidents and Disasters. Implement the requirements of the EIA Directive.
2014/52/EU Directive on the Assessment of the Effects of Certain Public and Private Projects on the environment	The EIA Directive is the principal instrument of EU legislation which establishes the framework for the environmental assessment of public and private projects. The revised 2014 EIA Directive has been written with reference to 'A Community Approach on the Prevention of Natural and Man-made Disasters', 2009 (paragraph 14 of the directive), and now includes an express requirement for major accidents and disasters to be considered as part of the EIA process.
Health and Safety at Work Act 1974	<p>The primary legislative instrument covering workplace health and safety in Great Britain. The Act establishes various obligations to ensure, so far as is reasonably practicable, that persons are not exposed to risks to their health and safety.</p> <p>The Health and Safety Executive, along with local authorities, are responsible for enforcing the Act.</p> <p>Many Regulations made under the Act¹⁴⁶ are applicable to the DCO Project for the obligations they place on employers to assess risks and to implement controls. Associated Approved Codes of Practice and Guidance describe how the Regulations can be met. These will be used in the assessment to determine the significance of the</p>

¹⁴⁶ The Health and Safety at Work Act is an enabling Act under which almost all other Health and Safety regulations are made.



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Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
	effect and to identify embedded mitigation arising from adherence to standards and practice.
Management of Health and Safety at Work Regulations 1999	These Regulations include a specific requirement that employers make a suitable and sufficient assessment of the risks to the health and safety of employees and persons, including an obligation to establish appropriate procedures to be followed in the event of serious and imminent danger to persons at work in an undertaking.
Control of Major Accident Hazards Regulations 2015 (COMAH)	<p>COMAH is designed to control major accident hazards involving dangerous substances and to limit the consequences to people and the environment of any accidents which do occur.</p> <p>COMAH applies to establishments under its remit which have any dangerous substance(s) specified in COMAH in an aggregate quantity at or above a qualifying threshold.</p> <p>For those sites to which COMAH applies, specific obligations exist to support the management of major accidents and disasters (environmental and safety risk). A level of demonstration is also required which is proportionate to the level of risk posed by the establishment, and the quantity of dangerous substances involved. Standards and guidance issued in support of COMAH have been referenced in developing the methodology for scoping and assessment, including for identifying potential major accidents and disasters and setting the thresholds and criteria for assessing the significance of effects on the environment.</p> <p>The Seveso III Directive is implemented in Great Britain through COMAH Regulations 2015 and through planning legislation¹⁴⁷.</p> <p>COMAH is enforced by the COMAH Competent Authority. In England, this comprises the Health and Safety Executive (other than for specific industries such as the nuclear industry) and the Environment Agency.</p>
Pipeline Safety Regulations 1996	These Regulations are to ensure that pipelines are designed and operated safely. Additional requirements concerning emergency response planning and notification to regulatory bodies apply to pipelines conveying high hazard fluids (defined in the schedule to the Regulations).
Planning (Hazardous Substances) Regulations 2015	These Regulations require sites that want to hold inventories of hazardous substances at or above a defined threshold must obtain a hazardous substances consent.

¹⁴⁷ For example Planning (Hazardous Substances) Regulations 2015



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Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
<p>Construction (Design and Management) Regulations 2015</p>	<p>These Regulations apply to all construction projects, from concept to completion. Places duties on designers, construction contractors and clients, to ensure that projects are carried out safely, and in a manner that secures the health and safety of any person affected by the project.</p> <p>The principal designer must identify and eliminate or control, so far as is reasonably practicable, foreseeable risks to people carrying out construction work or who may be affected by construction work, and to personnel involved in the upkeep of the structure. The risks from construction activities, including demolition must be mitigated by measures determined by a construction risk assessment and good working practices.</p> <p>Construction (Design and Management) includes specific requirements on site security, stability of structures, demolition and dismantling, explosives, excavations, cofferdams and caissons, energy distribution installations, prevention of drowning, traffic routes, vehicles, prevention of risk from fire, flooding or asphyxiation, emergency procedures, escape routes, fire detection and fire-fighting, temperature and weather protection, and welfare requirements.</p>
<p>Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)</p>	<p>LOLER are designed to ensure that risk is managed properly with regards to lifting operations, including through addressing the act of lifting cargoes, and the equipment used to perform the lifting. For complex lifts, a written plan, addressing foreseeable risks and prepared by competent person(s) is required. Lifting equipment must be suitable or the lift checked regularly.</p>
<p>Control of Asbestos Regulations 2012</p>	<p>These Regulations are designed to ensure that risk is properly managed with regards to dealing with asbestos and asbestos-containing materials. It details the requirements of duty holders to use control measures, assessment of work, and prevention and reduction measures to manage the risk and minimise exposure to asbestos.</p>
<p>Control of Substances Hazardous to Health Regulations 2002 (COSHH)</p>	<p>Employers have a duty to control substances that are hazardous to health, and to assess and manage the risk to health created by work involving such substances. The scope includes biological agents such as legionella.</p>
<p>The Regulatory Reform (Fire Safety) Order 2005 (FSO)</p>	<p>Outlines requirements to take reasonable steps to reduce the risk from fire and make sure people can safely escape if a fire occurs. This includes the requirement to carry out fire-risk assessment identifying possible dangers, and to take measures to make sure there is protection if flammable or explosive materials are used or stored. Scope includes construction. FSO does not apply to aircraft.</p>



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Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
The Civil Contingencies Act 2004 (Contingency Planning) Regulations 2005	<p>These Regulations, as well as the Civil Contingencies Act 2004 under which the Regulations are made, set out what needs to be done to prepare for major accident / disaster at local level. Local authorities and primary responders such as the emergency services are required to have plans in place to respond to foreseeable emergencies. Heathrow Airport is designated a 'co-operating body' and as such works with the local authority and emergency services to plan for incidents that could affect the airport.</p>
The Building Regulations 2010	<p>These Regulations ensure that building work is controlled and complies with applicable requirements given in Schedule 1 of the Regulations. The Building Regulations 2010 are supplemented by a collection of Approved Documents which provide guidance on ways to meet the requirements of the Regulations. These include Approved Document A covering loading on a building, and the construction of the structural elements, and Approved Document B for fire safety including means of warning and escape; internal and external fire spread, and access and facilities for Fire and Rescue services.</p> <p>Note that in response to the fire that occurred at Grenfell, June 2017, the government ordered an independent review of Building Regulations and Fire Safety. The interim report¹⁴⁸ indicates that the current regulatory regime for ensuring fire safety in high-rise and complex buildings is 'not fit for purpose'. The focus of the review is on 'high-rise' and complex buildings, and it is likely that recommendations will be wider reaching and relevant to components of the development.</p>
CAP 168: Licensing of Aerodromes, March 2014	<p>Broad guidance document to support discretionary powers relating to the granting of an aerodrome licence contained in the Air Navigation Order (ANO). The scope includes guidance on design (for example runway surface, lighting etc.) risks for example. bird strike and requirements for emergency preparedness, including specifically to provide a Rescue and Fire-Fighting Service.</p>
CAP 670: ATS Safety Requirements, May 2014	<p>Sets out the safety regulatory framework and requirements associated with the provision of an air traffic service, and sets out requirements for a number of aspects such as Navigation, Communication, and Air Traffic Control.</p>
CAP 760: Guidance on the Conduct of Hazard Identification, Risk Assessment and the	<p>This initial guidance for Air Traffic Service Providers and Aerodrome Operators provides information on Hazard Identification, Risk Assessment and Developing Safety Cases. It outlines the structured and systematic Seven-Step risk assessment and mitigation process.</p>

¹⁴⁸ Building a Safer Future – Independent Review of Building Regulations and Fire Safety: Interim Report https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/668832/Independent_Review_of_Building_Regulations_and_Fire_Safety_-_summary_accessible.pdf (accessed 16 February 2018)



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Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
Production of Safety Cases, December 2010	
CAP 795: Safety Management Systems - Guidance to Organisations, February 2015	This document provides guidance on the implementation of Safety Management Systems (SMS). It reflects and meets the requirements of ICAO Annex 19 and EASA Management System Implementing Rules.
CAP 1223: Framework for an Aviation Security, March 2018	The document outlines a framework for implementing a Security Management System (SeMS) which provides a formalised, risk-driven framework for integrating security into the daily operations and culture of an airport operator. SeMS is not a mandated process but if an airport operator has a SeMS which contains all the elements which are identified in this framework, it will help the airport operator meet the internal quality control provisions of articles 12, 13 and 14 of EC 300/2008.
CAP 1273: Implementing a Security Management System: An Outline, March 2018	Summarises and explains key aspects of the SeMS Framework (CAP 1223) and outlines the approach the Civil Aviation Authority (CAA) is taking to the support of SeMS implementation by the industry.
CAP 1616: Airspace Design: Guidance on the regulatory process for changing airspace design including community engagement requirements, December 2017	Describes the regulatory process for permanent and temporary changes to airspace. Requires the sponsor to prepare a safety assessment of any proposed changes at 'Options Appraisal'. The safety assessment is developed in increasing detail as the proposed changes progress through the process.
Regulation (EC) No 300/2008 Common rules in the field of civil aviation security	Lays down common rules and basic standards on aviation security and on procedures to monitor their implementation. It applies to all civil airports in the EU, as well as to air carriers and entities providing goods or services to or through these airports.
Policy	
Revised draft Airports National Policy Statement (ANPS)	<p>The revised draft ANPS provides the primary basis for decision-making on development consent applications for a Northwest Runway at Heathrow Airport, and will be an important and relevant consideration in respect of applications for new runway capacity and other airport infrastructure in London and the South East of England.</p> <p>The revised draft ANPS covers a number of issues which have the potential to influence the cause, severity or likelihood of Major Accidents and Disasters (for example Climate Change, flood risk).</p> <p>The revised draft ANPS (paragraph 4.43) states that where there are safety critical elements of the design with a design life of 60 years or greater the applicant should apply the latest UK Climate</p>



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Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
	<p>Projections for 2080 against the 10, 50 and 90% probability levels so as to include high impact, low likelihood scenarios.</p> <p>The revised draft ANPS (paragraph 4.60 – 4.65) state that government policy regarding the prevention of terrorism will apply at the expanded airport and that adequate consideration must be given in the design to the management of security risks. It also states that the development must comply with the UK civil aviation safety regime regulated by the CAA.</p> <p>The revised draft ANPS (paragraph 4.65) also states that the expanded airport must comply with aviation security regulations and guidance in the same way as existing airport.</p> <p>The revised draft ANPS (paragraph 5.49) notes that <i>“Precise flight path designs can only be defined at a later stage after detailed airspace design work has taken place”</i> and <i>“Once the design work has been completed, the airspace proposal will be subject to extensive consultation as part of the separate airspace decision making process established by the Civil Aviation Authority.”</i> The decision-making process for this separate consenting regime is defined in UK Air Navigation Guidance 2017 (ANG)¹⁴⁹ and in CAA CAP 1616¹⁵⁰ in line with UK aviation / airspace policy. This has been used to inform the scoping assessment.</p> <p>The revised draft ANPS (paragraph 5.171) states that the planning authority should ensure that water receptors are not put at unacceptable risk or adversely affected by water pollution.</p> <p>The revised draft ANPS (paragraph 5.225) discusses the need to avoid unacceptable risk due to land instability.</p>
<p>National Planning Policy Framework (NPPF): Draft for Consultation (March 2018)</p>	<p>The NPPF sets out the governments planning policies for England and how they are expected to be applied. It provides a framework by which local and neighbourhood plans can be developed. In March 2018, a draft version was released for consultation which will supersede the 2012 document below when it has been agreed and accepted.</p> <p>Paragraph 96 states that planning policies and decisions should promote public safety and take into account wider security and defence requirements by:</p>

¹⁴⁹ Department for Transport, Air Navigation Guidance, 2017

¹⁵⁰ Civil Aviation Authority, CAP1616 Airspace Design: Guidance on the regulatory process for changing airspace design including community engagement requirements, 2017



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Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
	<p>a) Anticipating and addressing all plausible malicious threats and natural hazards, especially in locations where large numbers of people are expected to congregate. Local policies for relevant areas (such as town centre and regeneration frameworks), and the layout and design of developments, should be informed by the most up-to-date information available from the police and other agencies about the nature of potential threats and their implications. This includes appropriate and proportionate steps that can be taken to reduce vulnerability, increase resilience and ensure public safety and security</p> <p>b) Recognising and supporting development required for operational defence and security purposes, and ensuring that operational sites are not affected adversely by the impact of other development proposed in the area.</p> <p>Paragraph 194 of the draft NPPF identifies that Local Planning Authorities should consult appropriate bodies when planning, or determining applications for developments around major hazards.</p>
<p>National Planning Policy Framework (NPPF) (2012)</p>	<p>The NPPF sets out the governments planning policies for England and how they are expected to be applied. It provides a framework by which local and neighbourhood plans can be developed.</p> <p>Paragraph 164 specifically identifies that account should be taken by local advisors and others of up to date information on higher risk sites in their area for malicious threats and natural hazards, including steps that can be taken to reduce vulnerability and increase resilience.</p>
<p>Local Plans</p>	
<p>Hounslow Local Plan 2015-2030, adopted September 2015 Vol 1 Policy EC3 (j)</p>	<p>Where adjacent to the River Thames, demonstrate that they will not preclude future rising or set back of the defence as identified in the Thames Estuary 2100 Plan to ensure adequate flood protection for the lifetime of the development.</p>
<p>Policy EQ9 (c)</p>	<p>Demonstrate that all reasonable steps have been taken to reduce the risk of safety related incidents occurring.</p>
<p>Policy EQ9 (d)</p>	<p>Ensure that proposals involving hazardous substances do not cause potential health and safety risks to neighbouring uses; Ensure that future users are not vulnerable to health and safety risks where the proposal is located near existing hazardous substances.</p>
<p>Policy EQ9 (e)</p>	<p>Apply for hazardous substances consent (HSC) where required.</p>



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Major accidents and disasters:

Relevant legislation, national and local planning policies

Legislation or policy reference	Legislation summary or policy information relevant to major accidents and disasters
<p>Hillingdon Local Plan Part 1, adopted November 2012 Strategic Objective 4</p> <p>Policy BE1 (8)</p>	<p>Ensure that development contributes to a reduction in crime and disorder, is resilient to terrorism, and delivers safe and secure buildings, spaces and inclusive communities.</p> <p>Create safe and secure environments that reduce crime and fear of crime, anti-social behaviour and risks from fire and arson having regard to Secure by Design standards and address resilience to terrorism in major development proposals.</p>
<p>Spelthorne Core Strategy and Policy Development Plan Document, adopted February 2009</p> <p>Policy SP6 a) Policy EN14</p> <p>Paragraph 10.6</p>	<p>Ensure the design and layout of new development incorporates principles of sustainable development, and creates an environment that is inclusive, safe and secure, is attractive with its own distinct identity and respects the environment of the area in which it is situated.</p> <p>The Council will refuse permission for any proposal likely to significantly increase the risks associated with any particular hazardous installation or impose conditions where necessary to avoid increased risk. Development leading to an increase in people living, working or congregating in the Public Safety Zone will be refused.</p> <p>The policy also reflects the potential contribution of good design to creating safe and secure environments. Community safety is one of the Council's corporate priorities and it therefore attaches particular importance to the integration of safety and security considerations in the design process.</p>
<p>Slough Core Strategy and Policy Development Plan Document, adopted December 2008</p> <p>Strategic Objective J Core Policy 7 Core policy 8 2 a)</p>	<p>To reduce areas subject to risk of flooding and pollution and control the location of development in order to protect people and their property from the effects of pollution and flooding.</p> <p>Development proposals will, either individually or collectively, have to make appropriate provisions for improving road safety; All development will be of a high-quality design that is practical, attractive, safe, accessible and adaptable.</p>



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Major accidents and disasters:
List of receptors

Appendix 15.3

List of receptors



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Major accidents and disasters:

List of receptors

1. LIST OF RECEPTORS

1.1.1 The list of receptors are displayed in Table 15.3.1.

Table 15.3.1 Receptors within the study area

Receptor Type	Receptor	Receptor Detail
Designated Land / Water Sites (nationally important)	Staines Moor SSSI	Staines Moor SSSI Ref. 1000111 510.82 hectares
	Wraysbury Reservoir SSSI	Wraysbury Reservoir SSSI Ref. 1007245 205.56 hectares
	Wraysbury & Hythe End Gravel Pits SSSI	Wraysbury & Hythe End Gravel Pits SSSI Ref. 1000509 117.21 hectares
	Wraysbury N.1 Gravel Pit SSSI	Wraysbury No.1 Gravel Pit SSSI Ref. 1007244 57.96 hectares
	Kingcup Meadows and Oldhouse Wood SSSI	Kingcup Meadows and Oldhouse Wood SSSI Ref. 1000820 12.9 hectares
	Bushy Park and Home Park SSSI	Bushy Park and Home Park SSSI Ref. 1477753 540 hectares Longford River passes through this SSSI approximately 7 km downstream from Heathrow.
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	13 x SSSIs (Biological) Langham Pond SSSI Windsor Forest and Great Park SSSI Black Park SSSI Denham Lock Wood SSSI Fray's Farm Meadows SSSI Syon Park SSSI Richmond Park SSSI Bushy Park and Home Park SSSI Kempton Park Reservoirs SSSI Knight & Bessborough Reservoirs SSSI Dumsey Meadow SSSI Thorpe Park No. 1 Gravel Pit SSSI Thorpe Hay Meadow SSSI



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Receptor Type	Receptor	Receptor Detail
		1 x NNR Richmond Park NNR
Designated Land / Water Sites (internationally important)	South West London Waterbodies Ramsar	South West London Waterbodies (Ramsar) Ref. UK11065 830.02 Hectares
	South West London Waterbodies SPA	South West London Waterbodies (SPA) Ref. UK9012171 830.02 Hectares
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	2 x SACs: Windsor Forest & Great Park SAC Richmond Park SAC There are additional SPA and Ramsar waterbodies but they are part of the South West London Waterbodies, part of which falls within the study area and have been detailed above.
Other designated land	Bedfont Lakes	Bedfont Lakes (LNR) Ref. 1009352 21.59 hectares
	Arthur Jacob Nature Reserve	Arthur Jacob Nature Reserve (LNR) Ref. 1009362 4.14 hectares
	Hounslow Heath	Hounslow Heath (LNR) Ref. 1008967 83.14 hectares
	Cranebank	Cranebank (LNR) Ref. 1009456 6.69 hectares
	Pevensey Road	Pevensey Road LNR Ref. 1009069 10.2 hectares This LNR is located 2 km downstream of the River Crane from Heathrow.
	Crane Park Island	Crane Park Island LNR Ref. 1008856 2.67 hectares This LNR is located 3.5 km downstream of the River Crane from Heathrow.



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Major accidents and disasters:

List of receptors

Receptor Type	Receptor	Receptor Detail
	Isleworth Ait	<p>Isleworth Ait LNR Ref. 1009769 3.49 hectares</p> <p>This LNR is located approximately 10 km downstream of the River Crane from Heathrow where it join the River Thames.</p>
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	21 other LNRs have been identified
Scarce Habitat	Scarce Habitat	<p>A variety of habitats have been identified in the study area by the biodiversity topic (Chapter 6: Biodiversity). Relevant areas of land will be considered during the assessment where they can be affected.</p> <p>There are a variety of habitats located within the study area, with a variety of habitats located between Wraysbury and King George VI Reservoirs. This area includes habitats designated as Coastal and floodplain grazing marsh, Lowland meadows, Lowland dry acid grassland, Good quality semi-improved grassland, and additional habitats (mostly reedbeds).</p> <p>There is a large area designated as Coastal and floodplain grazing marsh habitat located by a water treatment facility in the potential borrow pits site to the West.</p> <p>There is an area of habitat designated as Lowland heathland habitat located on the South-East side of the boundary, within 1 km of potential associated built development sites.</p> <p>There are also large areas of habitats designated as Good quality semi-improved grassland habitats located South and South-East, and North-East of the site boundary, located on potential associated built development sites.</p> <p>There are many areas of Deciduous woodland located throughout the study area.</p>



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Major accidents and disasters:

List of receptors

Receptor Type	Receptor	Receptor Detail
		There are small areas of Ancient woodland located throughout the study area.
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	Additional parcels of the same types of priority habitats listed above have been identified.
Widespread Habitat - Non designated Land	Various	A variety of habitats have been identified in the study area by the biodiversity topic (Chapter 6: Biodiversity). Relevant areas of land will be considered during the assessment where they can be affected.
Widespread Habitat - Non designated Water	Angling Societies	A number of local angling societies / clubs are located in close vicinity (within 1km) of the site (Colnbrook and River Colne).
Groundwater Source of Drinking Water	Drinking Water Safeguard Zone (Surface Water)	A substantial area around Heathrow is designated as a Drinking Water Safeguard Zone (Surface Water), which extends from the property boundary of Heathrow to beyond the study area in all directions except to the East and North-East.
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	<p>There are several Source Protection Zones that are potentially within the flight swathe. These areas are mainly to the south and west, with two small areas to the north. There are areas of Zone 1 (Inner Protection Zone), Zone 2 (Outer Protection Zone) and Zone 3 (Total Catchment). However, none of these SPZs have an associated Drinking Water Safeguard zone.</p> <p>A substantial area around Heathrow is designated as a Drinking Water Safeguard Zone (Surface Water) which extends from the property boundary of Heathrow in all directions except to the East and North-East. Within this there are Drinking Water Protected Areas (Surface Water) associated with the reservoirs to the west and southwest as well as the River Thames.</p> <p>There is a water treatment facility that contributes to the public drinking water supply located to the East.</p>



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List of receptors

Receptor Type	Receptor	Receptor Detail
Groundwater – non-Drinking Water Source	Superficial Deposits Designation	<p>The superficial deposits under the existing airport and the DCO Project under assessment are predominantly classified as a Primary / Secondary A aquifer. It is also categorised as a groundwater vulnerability zone, specifically Major Aquifer High/Intermediate vulnerability.</p> <p>Throughout most of the study area, the bedrock is not designated as an aquifer.</p>
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	<p>There are areas under the flight swathe that are designated as primary aquifers, secondary aquifers and undesignated areas for the superficial drift deposits.</p> <p>There are small areas of principal and secondary aquifers in the bedrock.</p> <p>Substantial areas of the flight swathe are designated as major aquifer high vulnerability.</p>
Soil and sediment	Soils	<p>The underlying soils vary across the study area. It includes the following soil types:</p> <ol style="list-style-type: none"> 1. Freely draining slightly acid loamy soils (Soil Ref. No. 6) 2. Freely draining slightly acid but base-rich soils (Soil Ref. No. 7) 3. Slowly permeable seasonally wet acid loamy and clayey soils (Soil Ref. No. 17) 4. Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils (Soil Ref. No. 18) 5. Loamy and clayey floodplain soils with naturally high groundwater (Soil Ref. No. 20) 6. Loamy soils with naturally high groundwater (Soil Ref. No. 22) 7. Water (Soil Ref. No. 31).
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	All those listed above, in addition to the following soil reference numbers: 8, 14, 15, and 28.
Built environment (including historic environment)	Schoolhouse (Lord Knyvett's)	Schoolhouse (Lord Knyvett's), Scheduled Monument Ref. 1005920 0.034 hectares



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Receptor Type	Receptor	Receptor Detail
	Romano-British site	Romano-British site 1000yds (910m) W of East Bedfont parish church, Scheduled Monument Ref. 1002042 10.1ha
	Part of a causewayed enclosure	Part of a causewayed enclosure, 632m north-east of Mayfield Farm, Scheduled Monument Ref. 1002043 4.73ha
	Church of St. Mary	Church of St. Mary, Grade I Listed Building List Number 1187042
	The Great Barn, Harmondsworth	The Great Barn, Harmondsworth, Grade I Listed Building List Number 1194332
	Church of St. Peter and St. Paul	Church of St. Peter and St. Paul Grade I Listed Building List Number 1080163
	Church of St. Peter	Church of St. Peter Grade I Listed Building List Number: 1332743
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	<p>27 Scheduled Monuments, consisting of both sub-surface and surface features. Surface features include Windsor Castle located approximately 10km to the West of Heathrow.</p> <p>75 Grade I Listed Buildings, including Windsor Castle and all the buildings within its walls. Other Grade I Listed Buildings include various churches, farmhouses and other historic buildings.</p> <p>A single World Heritage Site: Royal Botanic Gardens, Kew is located approximately 10km to the East of Heathrow.</p>
Particular species (Note - these criteria apply nationally - i.e. England, Wales, Scotland)	Various	A wide variety of species have been identified in the study area by the biodiversity topic (Chapter 6: Biodiversity). These include both common and protected species. Relevant populations of these will be considered during the assessment where they can be affected.
Marine	None identified	None identified within the study area.
Fresh and estuarine water habitats	River Thames	The River Thames and associated channels and tributaries including the River Ash.



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Receptor Type	Receptor	Receptor Detail
	River Crane	The River Crane and associated channels and tributaries.
	River Colne	The River Colne and associated channels and tributaries including the Wraysbury River, Duke of Northumberlands River, Colne Brook and Longford River.
	Surface water reservoirs	Various artificial reservoirs including the King George VI, Staines and Wraysburys reservoirs
	Lakes	Numerous lakes are within the study area, this includes the Colnbrook West, Orlitts, Old Slade and Saxon lakes.
	Receptors potentially under the flight swathe of aircraft under the control of Heathrow	Additional rivers, channels, reservoirs and lakes may fall under the flight swathe.
Population and Human Health	Airport	Potential populations and human health receptors within the study area include inhabitants, workers, users of leisure facilities and amenities and transport users within all or part of the communities listed.
	Longford	
	Colnbrook	
	Harmondsworth	
	West Drayton	
	Sipson	This includes workers, third parties, occupants of aircraft and other members of the public within the airport.
	Harlington	
	Hayes	
	Hounslow	
	Feltham North	
	Cranford Cross	
	Cranford	
	Heston	
	Bedfont	
	Stanwell	
	Stanwell Moor	
	Poyle	
Iver and Richings Park		
Occupants of aircraft under control of Heathrow		
People under the flight swathe of Heathrow		



Heathrow Expansion

Major accidents and disasters:

Identification of sources of major accidents and disasters

Appendix 15.4

Identification of sources of major accidents and disasters



Heathrow Expansion

Major accidents and disasters:

Identification of sources of major accidents and disasters

1. SOURCES OF MAJOR ACCIDENTS AND DISASTERS

- 1.1.1 Table 15.4.1 is a generic prompt list and provides a starting point for the assessment. The assessment is not restricted to the list however, and other potential sources revealed during the course of the assessment, have been assessed and allowed for in the scoping assessment.
- 1.1.2 Equally, not all of the sources in the generic prompt list will be used in the assessment. Those where there is no credible potential, i.e. those that do not present a 'real risk', will not be used.

Table 15.4.1 List of typical sources of major accidents and disasters

External major accidents*	Natural disasters*
Contamination, for example, drinking water supply	Flooding (sea, river, rainfall)
Transport accident including aircraft	Catchment/flood plains mismanagement
Biological agents/disease	Seismic/earthquake
Biohazard/importation hazard	Subsidence
Radiological hazards	Extreme heat/cold
Chemical hazards from external source	Snow
Terrorism	Tsunami
Sabotage and vandalism	Extreme Storm
Cyber-attack and digital/data security	Lightning
Theft	Forest Fire
Civil unrest/Demonstration	Landslip
Bird/ Drone Strike	Disease outbreak
Lasers	Ash cloud and other natural phenomenon affecting inflight safety
Fire/explosion at neighbouring site	Drought
Structural collapse at neighbouring site	Infestation
Excavation failure at neighbouring site	Climate change /resilience (extreme changes to flood (from rainfall, river, and sea), sea rise level, temperature, storm, tsunami, snow loading, and avalanche.)



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Major accidents and disasters:

Identification of sources of major accidents and disasters

Operational phase major accidents	Construction phase major accidents
Accidental release of hazardous chemical or flammable material	Structural collapse
Structural collapse	Collapse of excavation
Fire	Removal of hazardous spoil
Explosion	Accidental release of hazardous chemical or flammable material
Toxic Release	Fire
Major Environmental Discharge	Explosion
Loss of utilities	Toxic Release
Loss of waste	Major Environmental Discharge
Extreme heat (for example flaring)	Loss of utilities
Rotating equipment	Loss of waste
Incidents associated with on-site pipelines or underground services	Temporary Storage
Historic site-specific hazard (for example unexploded ordnance)	Damage from adjacent establishments
Transportation of dangerous substances	Contractor facilities
Transport accidents including aircraft	Incidents associated with on-site pipelines or underground services
Deficient design or operation	Historic site-specific hazard (for example unexploded ordnance)
Major accident associated with deficiency in emergency planning, preparedness or provision	Transport Accidents
Major accident resulting from absent / deficiency of controls for operations outside of normal operation (including in response to emergency)	Deficient design or operation
	Major accident resulting from inadequate emergency planning, preparedness or provision

- 1.1.3 **Note 1:** External sources of major accidents and disasters listed in Table 15.4.1 are considered for both construction and operational phases, alongside those given for operational and construction phase major accidents.

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Major accidents and disasters:
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Appendix 15.5

Scoping findings



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Major accidents and disasters: Scoping findings

1. SCOPING FINDINGS

- 1.1.1 The assessment focuses on those effects that are potentially significant and which are pertinent to decision-making. The full findings of the scoping exercise are contained Table 15.5.2 Section 1: External major accidents; Table 15.5.3 Section 2: Natural disasters, and Table 15.5.4 Section 3: Operation and construction phases. These provide:
1. Lists of potential major accidents and disasters identified for construction and operation phases
 2. Conclusions as to whether the potential major accident or disaster identified should be scoped in or out of the EIA, along with the relevant justifications provided.
- 1.1.2 Table 15.5.1 provides the key used in Table 15.5.2, Table 15.5.3 and Table 15.5.4 to document the reason for proposing to scope out an accident or disaster scenario. Further reasoning is provided below.

Not applicable / below the threshold of major accident and disaster

- 1.1.3 Scenarios that do not give rise to a major accident or disaster either due to there being no source, pathway or receptor, or due to the magnitude of damage being below the threshold of a major accident and disaster are scoped out. In addition, scenarios in which a source, pathway and receptor are present but for which it is unrealistic to consider that major accident consequences could occur, even if theoretically credible, are also scoped out.

Security risks

- 1.1.4 It is proposed to scope out security risks from the major accidents and disasters assessment since these aspects will be assessed by the Department of Transport taking advice from the CAA and Centre for the Protection of National Infrastructure during the consenting process.
- 1.1.5 Heathrow will consult with relevant security experts from the Centre for the Protection of National Infrastructure and the Department for Transport to ensure that physical, procedural and personnel security measures have been adequately considered in the design process, and that adequate consideration has been given to the management of security risks.
- 1.1.6 Security risks are managed by Heathrow Airport Limited in association with the Police and security services as well as compliance with relevant CAA/EASA codes



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of practice. Existing facilities will extend to the DCO Project with the same or improved quality of provision.

Biosecurity

1.1.7 It is proposed to scope out biosecurity risks on the following basis:

1. Heathrow is an approved Border Inspection Post and provides facilities and a framework under which the Port Health Authority (PHA) operates. The framework and facilities are subject to inspection by the CAA
2. The increase in the number of people and animals / animal products entering the UK via Heathrow, and the opening up of routes from new destinations will be matched by a proportionate increase in facilities aligned to the demand created by an expanded airport
3. If the DCO Project were to not proceed, movements of people, animals and animal products would likely increase via other routes, therefore the change in effect of major accident and disasters resulting from the DCO Project is negligible.

Occupational safety hazards

- 1.1.8 It is proposed that accidents that could impact one or two workers¹ are scoped out of the EIA. These risks are managed under the general obligations of the Health and Safety at Work Act 1974 and are not generally recognised as a major accident.
- 1.1.9 Under the Health and Safety at Work Act 1974 and secondary legislation made under the Act, employers are required to manage the risk to their employees and others who could be affected by their activities, and to ensure that the risk is as low as reasonably practicable (ALARP). This includes complying with relevant good practice as a minimum (refer to Appendix 15.2 and 15.6).
- 1.1.10 It is not proposed to scope out accidents that could result in a large number of casualties among workers and / or casualties amongst members of the public during construction and operation.
- 1.1.11 For example, a major accident or disaster that could lead to the death of one to two workers due to build-up of a non-breathable atmosphere when working in confined space is scoped out; build-up of flammable gas in a confined space that

¹ In this context a 'worker' is considered to be a person employed on the Project, either directly or indirectly, during construction and/or operation phase. For example it does not include a passenger who is travelling on business.

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could explode resulting in building collapse and large numbers of fatalities is not scoped out.

Other scoped out effects

- 1.1.12 Certain major accident and disasters which present an already low likelihood of significant effect that are managed by current Heathrow procedures and facilities that will be extended proportionally to the DCO Project are proposed to be scoped out. This includes:
1. Damage to artefacts of national or international importance during transit through Heathrow - it is expected that those responsible for artefacts would undertake a specific risk assessment to ensure that the risk was acceptable
 2. Damage to a rare species during transit through Heathrow - it is expected that those responsible for the rare species would undertake a specific risk assessment to ensure that the risk was acceptable.
- 1.1.13 Impairment of control measures (including fire service and policing) when this is known about in advance and Heathrow contingency measures, for example, to restrict operations are put into effect. Impairment is considered indirectly when embedded mitigation is considered.
- 1.1.14 Major accidents and disasters for which the causes are not location specific and the cause and control are external to Heathrow (i.e. Heathrow is a receptor). The risk of these events are assessed and the response coordinated by the relevant local authorities under the Civil Contingencies Act. Although the DCO Project will change the number and locations of receptors, it is 'more of the same' and the interface between the off-site authorities and Heathrow in responding to such an event will not change substantially.

Key to scoping tables

- 1.1.15 The key for scoping out justification are tabulated in Table 15.5.1. The findings of the scoping assessment are presented in Table 15.5.2, Table 15.5.3 and Table 15.5.4.



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Table 15.5.1 Key for Table 15.5.2, Table 15.5.3 and Table 15.5.4

Code	Description
Sec	Security risks managed in associated with the Police and security services
Bio	Biosecurity risk, managed by Port Health Authority, using facilities provided by Heathrow. Facilities to extend proportionally to the DCO Project, with the same quality of provision.
BAU	Other scoped out effects which present an already low likelihood of significant effect including impairment of control measures (for example fire service and policing) when this is known about in advance, and major accidents and disasters for which the causes are not location specific and the cause and control are external to Heathrow, and appropriate systems are in place for current operations, and will be extended to cover the DCO Project with the same quality of provision.
HSAWA	Occupational safety, affecting at most 1-2 workers, managed under Health and Safety at Work Act and associated Regulations, and Management of Health and Safety at Work Act.
Sub	Consequences are below the threshold for major accidents and disasters
N/A	No source of major accident / disaster, no pathway, no receptor or no change to baseline
neg	Increase in risk is not significant in comparison to the current baseline. Current measures extend proportionally to the DCO Project, with the same quality of provision.



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Table 15.5.2 Section 1: External major accidents

Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
1.1. External Transport Accident, road air or rail (for example aircraft not under the control of Heathrow / rail transport that is not part of the DCO / road vehicles outside the DCO)	Aircraft - not under control of Heathrow, impacts with the DCO Project or project airspace (people / structure / vehicles inc. aircraft equipment)	No		No	neg	EASA Licensing / CAP 168: Licensing of Aerodromes Pilot licensing (EASA, ICAO, NPPLM, NPLLSSEA) regulated by the CAA The background risk of an accident involving aircraft not under control of Heathrow is low and not substantially changed by the Project.
	Road / rail vehicle outside DCO impacts with the DCO Project (people / structure / vehicles inc. aircraft /equipment)	Yes		Yes		
	Transport event - blockage of emergency access/egress	Yes		Yes		
1.2. Biological agents / biohazard/ disease (human, animal, plant) / pathogen - import	Screening (wrong or undeclared substance), monitoring, handling, control and management	N/A		No	BAU	Heathrow is an approved Border Inspection Post, and so provides facilities and a framework under which the Port Health Authority operate. The framework and facilities are subject to inspection by the CAA.
	Planned Importation - Screening, monitoring, handling, control and management	N/A		No	BAU	Heathrow is an approved Border Inspection Post, and so provides facilities and a framework under which the Port Health Authority operate. The framework and facilities are subject to inspection by the CAA.
	Disembarkation of travelers / flight with controlled disease/ biohazard	N/A		No	BAU	Heathrow is a major UK airport with passenger disembarkation controls in line with UK border control requirements, working with Public Health England.
1.3. Damage to Artefacts of national/ international importance - import / export	Screening (wrong or undeclared substance) , monitoring, handling, control and management	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision. Each artefact would be subject to a risk assessment by the artefact owner and insurers.
	Planned Import/ Export- Screening, monitoring, handling, control and management	N/A		No	BAU	Each artefact would be subject to a risk assessment by the artefact owner and insurers.
1.4 Radiological hazards - import / export	Screening (wrong or undeclared substance) , monitoring, handling, control and management	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
	Planned Import / Export- Screening, monitoring, handling, control and management	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
1.5. Chemical hazards - import / export	Screening (wrong or undeclared substance) , monitoring, handling, control and management	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
	Planned Import / Export - Screening, monitoring, handling, control and management	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
1.6. Malicious attack	Major attack on persons at airport, DCO transport System and associated infrastructure or on environment	No	Sec	No	Sec	<p>CAP 1223: Framework for an Aviation Security</p> <p>Guidance on policing at airports. London: ACPO, ACPOS, NPIA, NPIA, (2011).</p> <p>National Aviation Security Program - the design and operation of the Heathrow Northwest Runway scheme must comply with aviation security regulations and guidance in the same way as existing airports.</p> <p>Heathrow will consult with relevant security experts from the Centre for the Protection of National Infrastructure and the Department for Transport to ensure that physical, procedural and personnel security measures have been adequately considered in the design process, and that adequate consideration has been given to the management of security risks.</p>
	Cyber attack and digital/data security (infrastructure/services), leading to major accident/ initiator at airport	No	Sec	No	Sec	<p>Current systems management will be extended to the DCO Project.</p> <p>CAP 1574: 26 Security Controls for Regulation</p>
1.7. Sabotage, vandalism, theft	Within the DCO Project - Leading to major accident/ initiator	No	Sec	No	Sec	<p>CAP 1223: Framework for an Aviation Security</p> <p>Guidance on policing at airports. London: ACPO, ACPOS, NPIA, NPIA, (2011).</p>
	External - leading to major accident / initiator in the DCO Project	No	Sec	No	Sec	<p>CAP 1223: Framework for an Aviation Security</p> <p>Guidance on policing at airports. London: ACPO, ACPOS, NPIA, NPIA, (2011).</p>
1.8. Industrial action	Leading to impairment of major accident/ initiator control (including fire service and policing, and ground crew)	Yes		No	BAU	Heathrow implement contingency plans including where necessary a restriction on operations. This is an extension of existing arrangements.
1.9. Widespread public disorder	Leading to major accident/ initiator	No		No	Sec	Guidance on policing at Airports, National Policing Improvement Agency
1.10. External Aircraft interference	Lasers, fireworks, sky lanterns	N/A		No	BAU	<p>Handling of laser exposure occurrences given in CAP 789 Requirements and Guidance Material for Operators, Chapter 18. Detailed guidance on managing risks is also issued by ICAO: Doc 9815 Manual on Laser Emitters and Flight Safety</p> <p>CAP 736 Operation of Directed Light, Fireworks, Toy Balloons and Sky Lanterns within UK Air Space</p>
	Drones	N/A		No	BAU	Emerging issue - covered by control of airspace. Will be covered specifically by EASA NPA 2017-05 (A) Introduction of a regulatory

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
						framework for the operation of drones; and further guidance also given in CAP 1559, and CAP 1627
	Wind turbine interaction with radar	N/A		No	neg	Guidance given in CAP 764: CAA Policy and Guidelines on Wind Turbines No large wind turbines in the vicinity, Any new wind farm would be subject to planning controls, including consideration of airport safety.
	Bird Strike	N/A		Yes		Retained in scope as the DCO Project may include changes to bird habitats CAP 772 Wildlife Hazard Management at Aerodromes. Guidance for acceptable compliance also given in EASA NPA 2011-20 (B.II) Authority, Organisation and Operations Requirements for Aerodromes
1.11. Industrial/ urban event external to site	Fire / Explosion at adjacent site/building - escalation to the DCO Project, release of toxic smoke	Yes		Yes		
	Structural Collapse or escalation failure at adjacent site/ building- (structural collapse, excavation)	Yes		Yes		
	Release of hazardous substance from adjacent site/ building (for example a toxic event, biological release)	Yes		Yes		
	Radiological/ biological contamination	Yes		Yes		
	Sudden release from dam/ reservoir/ canal	Yes		Yes		Refer also to Scoping chapter 20, 'Water - A Flood Risk Assessment will be carried out in accordance with planning guidance on flood risk.
	Biological agents/ biohazard/ disease - Outbreak/ source in locality	No	BAU	No	BAU	Cause is not location specific and the cause and control measures are outside scope of Heathrow (i.e. Heathrow is a receptor). Current operational measures to liaise with off-site authorities in this event will be extended proportionally to the DCO Project.
	Food/water contamination	No	BAU	No	BAU	Cause is not location specific and the cause and control measures are outside scope of Heathrow (i.e. Heathrow is a receptor). Current operational measures to liaise with off-site authorities in this event will be extended proportionally to the DCO Project.
	Smoke - building fire, warehouse, bonfire, leading to low visibility	Yes		Yes		Low visibility operations (LVO) covered in CAP 168 Licensing of aerodromes and EASA Annex to ED 2012/019/R Subpart E
1.12. Widespread utility/ system failure external to site.	Electrical/gas/site water/drinking water (inc. contamination)/waste water/fuel/communications or Shared	Yes		No	BAU	All safety and security critical systems are required to have backup power supply under CAP 168, CAP 670, and EASA CS-ADR-DSN Chapter S; therefore consequences below threshold.

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
	infrastructure/ utilities/ services/ facilities/ communications					The PEIR will consider loss of power to specific safety / environmental critical equipment within the DCO Project, under 'operations & construction'.

Table 15.5.3 Section 2: Natural disasters

Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
2.1. Flooding (sea/coastal, river, rainfall, surface water, flash)	Flooding of permanent or temporary asset including construction sites (for example terminal building, road access tunnel, cargo and maintenance facilities) leading to damage to people or environment	Yes		Yes		
	Floating of asset (for example storage tank, packaged goods, vehicles) leading to a hazardous release or casualties	Yes		Yes		
	Flooding with contamination leading to detriment to environmental receptor	Yes		Yes		
	Flooding leading to runway excursion	N/A		Yes		CAP 168 Appendix 31: Runway end safety areas
2.2. Catchment/flood plains mismanagement by 3rd parties	Increased risk of surface water flooding, leading to damage to people or environment	Yes		Yes		
2.3. Seismic/earthquake	Seismic event leading to building instability/collapse	Yes		Yes		
2.4. Subsidence	Subsidence leading to building instability/collapse	Yes		Yes		
2.5. Extreme heat/cold	Instrument / navigation failure resulting from extreme cold	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes Adverse weather procedures in place to restrict airport operations and flights extreme weather. Flight procedures and restrictions in line with EASA and CAA guidelines for adverse weather.
	Cold Embrittlement	Yes		Yes		
	Degradation of runway surface	N/A		No	BAU	EASA Licensing / CAP 168: Licensing of Aerodromes Adverse weather procedures in place to restrict airport operations and flights extreme weather. Flight procedures and restrictions in line with EASA and CAA guidelines for adverse weather.

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
2.6. Snow/ice/hail	Runway excursion	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes Adverse weather procedures in place to restrict airport operations and flights extreme weather. Flight procedures and restrictions in line with EASA and CAA guidelines for adverse weather.
	Leading to impairment of major accident/ initiator control (including fire service and policing, insufficient ground crew)	Yes		No	BAU	Heathrow implement contingency plans including where necessary a restriction on operations. This is an extension of existing arrangements.
	Snow loading of building or other asset	Yes		Yes		
2.7. Tsunami	Tsunami	N/A		N/A		Not considered reasonably foreseeable at Heathrow
2.8. Extreme Storm inc. Strong winds/gales/hurricanes/storms	Damage to occupied building and assets	Yes		Yes		
	Debris leading to impact of persons or asset	Yes		Yes		
	Damage to temporary structures (scaffolding, crane)	Yes		Yes		
	Damage to aircraft on ground or in flight under control of Heathrow	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
2.9. Low visibility	Fog restricting ground visibility leading to aircraft incident	Yes		Yes		Low visibility operations (LVO) covered in CAP 168 Appendix 2B and EASA Annex to ED 2012/019/R Subpart E
	Fog restricting ground visibility leading to land transport incident	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
2.10. Lightning	Lightning strike leading to electrocution, fire, building damage / debris resulting in damage to people or environment	Yes		Yes		
	Lighting strike to aircraft in flight	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes Adverse weather procedures in place to restrict airport operations and flights extreme weather. Flight procedures and restrictions in line with EASA and CAA guidelines for adverse weather.
2.11. Wild fire/Forest Fire	Fire threatens asset, permanent or temporary asset including construction sites (for example terminal building, road access tunnel, cargo and maintenance facilities) leading to damage to people or environment.	N/A		N/A		Not considered credible
2.12. Landslip/ land movement	Significant land movement due to natural phenomena	No	neg	No	neg	No significant

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
2.13. Disease outbreak in surroundings, for example pandemic influenza, emerging infectious disease including animal diseases communicable to people	Health with possible fatalities to workers and visitors, with potential for further infection outside of airport	Yes		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
	Leading to impairment of major accident/initiator control (including fire service and policing, insufficient ground crew)	Yes		No	BAU	Heathrow implement contingency plans including where necessary a restriction on operations. This is an extension of existing arrangements.
2.14. Animal disease	Animal disease in locality affects quarantined or imported valuable species	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
2.15. Drought	Loss of water supply - leading to welfare issues of passengers and staff	No	neg	No	neg	Also considered in Scoping Chapter 9, Climate change and scoping Chapter 20, Water
	Loss of water supply leading to failure of safety critical service, for example firewater	Yes		Yes		
	Foundation cracks / settlement leading to failure of building / asset and damage to people / environment.	Yes		Yes		
2.16. Infestation	Damage to essential safety equipment	N/A		No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
2.17. Ash cloud, volcanic eruptions and other natural phenomenon affecting in flight safety		No	neg	No	neg	Guidance material on Volcanic Ash given in CAP 1236: Guidance regarding flight operations in the vicinity of volcanic ash, and EASA NPA 2012-07
2.18. Space Weather, for example geomagnetic storms, radiation storms and solar flares	Severe space weather leads to loss of systems, for example loss of primary navigation system, loss of communications	N/A		No	BAU	UK Government space weather preparedness strategy
						Severe solar weather is also a cause of electrical power failure, which has been considered in external hazards, for all causes.
2.19. Climate change /resilience	Extreme changes to flood (from rainfall, river, and sea), sea rise level, temperature, storm, tsunami, snow loading, and avalanche.	Yes		Yes		Refer also to scoping Chapter 9, Climate change.
						Consideration of climate change will be incorporated in the assessment years.



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Table 15.5.4 Section 3: Operation and construction phases

Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments	
3.1. Transport Accident - Aircraft Incident on runways, taxiways and apron (Note this includes Standing, pushback /towing and taxiing, take-off and landing)	Aircraft collision with vehicle, structure, other aircraft/ wind turbine/ cranes / tall object leading to injury / loss of life to people	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes CAP 738 Safeguarding of Aerodromes Appendix C / EASA CS-ADR-DSN Certification Specifications and Guidance Material for Aerodromes Design - Book 2 - Chapter H	
	Runway/ taxiway incursion leading to aircraft accident leading to injury / loss of life to people	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes CAP 168 Appendix 31: Runway end safety areas CAP 637 Visual Aids Handbook, Chapters 1-5	
	Runway excursion leading to aircraft accident leading to injury / loss of life to people	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes CAP 168 Appendix 31: Runway end safety areas CAP 637 Visual Aids Handbook, Chapters 1-5	
	Failure of taxiway /runway maintenance and loss of integrity leading to leading to injury / loss of life to people	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes	
	Foreign object damage to aircraft leading to aircraft accident leading to injury / loss of life to people	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes Appendix 3E: Aerodrome movement areas - clearance of Foreign Objects and Debris (FOD)	
	Flying debris / detached object from aircraft impacting a vehicle, person or aircraft leading to injury / loss of life to people	Yes		Yes		EASA Certificate of Airworthiness validated annually with an Airworthiness Review Certificate CAP 747 Mandatory requirements for Airworthiness EASA Airworthiness Directives	
	Aircraft incident due to error in ground handling - design, inspection, maintenance leading to injury / loss of life to people	N/A			Yes		EASA Licensing / CAP 168: Licensing of Aerodromes Appendix 3E: Aerodrome movement areas - clearance of Foreign Objects and Debris (FOD)
	Incorrect of off specification fuel /chemical delivered to aircraft	N/A			Yes		CAP 748 Aircraft Fuelling and Fuel Installation Management
	Failure of controls for operation /logistics /coordination /planning leading to aircraft incident leading to injury / loss of life to people	Yes			Yes		CAP 1168 Guidance Material for Organisations, Operations and Design Requirements for Aerodromes, Chapter: Emergency Planning
	Aircraft collision with person on the apron	N/A			Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
Aircraft collision with structure/equipment at airport leading to injury / loss of life to people	N/A			Yes		EASA Licensing / CAP 168: Licensing of Aerodromes	

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
	Aircraft collision with other vehicle/ aircraft/ transport unit leading to injury / loss of life to people	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
	Wake vortex	N/A		No	Sub	Consequences (property damage) are below the threshold of major accident and disaster.
	Human error leading to aircraft incident and injury / loss of life - visiting airlines/pilots control	Yes		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
	Aircraft incident resulting in substantial fuel spill (unignited) / other hazardous material released to the environment	N/A		Yes		
	Fire involving aircraft at stand, apron, runway and taxiways leading to injury / loss of life to people	N/A		Yes		CAP 1168 Guidance Material for Organisations, Operations and Design Requirements for Aerodromes, Chapter: Rescue and Fire Fighting Service (RFFS)
	Rotating aircraft equipment - failure of equipment or systems leading to injury / loss of life	N/A		No	BAU	EASA Licensing / CAP 168: Licensing of Aerodromes EASA Certificate of Airworthiness validated annually with an Airworthiness Review Certificate
3.2. Transport Accident - Aircraft Incident whilst airborne and under control of Heathrow	Airspace design (Aircraft / aircraft collision) leading to injury / loss of life to people	N/A		Yes		CAP 493 Manual of Air Traffic Services, Section 4 Chapter 2: Area Control Procedures
(Includes initial climb, and approach. Departing aircraft that have completed their initial climb, and aircraft flying to Heathrow but not yet on approach, are outside the bounds of the assessment.)	Flying debris / detached object from aircraft impacting a vehicle, person or aircraft leading to injury / loss of life to people	No	neg	Yes		EASA Certificate of Airworthiness validated annually with an Airworthiness Review Certificate CAP 747 Mandatory requirements for Airworthiness EASA Airworthiness Directives CAP 1616 Airspace Design: Guidance on the regulatory process for changing airspace design including community engagement requirements
	Aircraft incident during manoeuvring	N/A		N/A		Manoeuvring not anticipated at Heathrow
3.3. Transport Accident - Airside (other vehicles)	Collision from ground vehicle inc. air bridge leading to injury / loss of life	N/A		Yes		CAP642 includes guidance for airside vehicle operation and driving.
	Substantial fuel spill (unignited) released to the environment	N/A		Yes		
	Transport accident caused by error in Design/inspection/maintenance leading to injury / loss of life	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
	Failure of controls for operation/ logistics/ coordination/ planning leading to injury / loss of life	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes
	Vehicle collision with person	N/A	HSAWA	No	HSAWA	CAP 642 includes guidance for airside vehicle operation and driving.
	Vehicle collision with structure/equipment at airport leading to injury / loss of life	N/A		Yes		CAP 642 includes guidance for airside vehicle operation and driving.

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
	Vehicle collision with other vehicle/aircraft /transport unit leading to injury / loss of life	N/A		Yes		CAP 642 includes guidance for airside vehicle operation and driving.
	Vehicle fire leading to injury / loss of life	N/A		Yes		
	Human error leading to transport incident leading to injury / loss of life	N/A		Yes		CAP 642 includes guidance for airside vehicle operation and driving.
	Incurion impacting road vehicle, for example construction vehicle	Yes		Yes		
3.4. Transport Accident - Landside road or construction site	Vehicle (car / HGV/ passenger vehicle) collision with other vehicle, or structure (for example building, road bridge)	Yes		No	BAU	
	Vehicle collision with pedestrian(s)	Yes		Yes		
	Multi vehicle collision on new or diverted road	Yes		Yes		
	Vehicle fire in a tunnel	Yes		Yes		
3.5. Transport accident - Rail	Collision involving rail transport vehicle resulting in injury / loss of life / damage to environment	Yes		Yes		
	Electrocution with overhead lines or electrified tracks	No	HSAWA	Yes		
	Train fire (tunnel)	Yes		Yes		
3.6. Release of hazardous substance that is dangerous to the environment or human life (toxic) - solid/liquid/vapour	Loss of containment during storage and handling of hazardous substances	Yes		Yes		
	Loss of containment during transport of hazardous substances, including cargo, freight	Yes		Yes		
	From storage, movement and handling of hazardous material including third parties / tenants and contractors during demolition, construction, operation	Yes		Yes		
	Loss of operational control leading to release (for example overflow, human error, equipment failure)	Yes		Yes		
	Accidental release from pipeline including underground and over ground (for example aviation fuel, gas)	Yes		Yes		
	Co-storage of incompatible chemicals leading to a reaction and release of chemicals	Yes		Yes		
	Collision/impact/structural collapse (inc. dropped/swung load) leading to release	Yes		Yes		
	Use of incorrect or hazardous chemical in operation on the land/water/air environment	Yes		Yes		
3.7. Fire /explosion (involving flammable substances such as fuel or other	Release of flammable substance with ignition from storage and handling	Yes		Yes		

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
stored/used material) - including third parties / tenants and contractors during demolition, construction, operation	Ignited release of flammable substance during transport, including cargo, freight	Yes		Yes		
	Ignited release of flammable substance from pipeline including underground and over ground (for example aviation fuel, gas)	Yes		Yes		
	Loss of operational control leading to release of flammable substance (for example overflow, human error, equipment failure)	Yes		Yes		
	Collision/impact/structural collapse (inc. dropped/swung load) leading to release	Yes		Yes		
	Ignition in oxygen rich environment	Yes		Yes		
	Co-storage of incompatible chemicals leading to a reaction and release of flammable chemicals	Yes		Yes		
	Escalation from smaller fire	Yes		Yes		
	Extreme heat (for example flaring) with potential for multiple injuries	N/A	N/A	N/A	N/A	Flaring not planned to take place within the DCO Project or study area.
3.8. Fire - Building/ combustible material fire including third parties / tenants and contractors	Fire in a large complex buildings (for example terminals including retail and catering facilities, hotels)	Yes		Yes		
	Fire in the waste handling, warehousing, or stockpiling facilities	Yes		Yes		
	Fire in temporary facilities	Yes		Yes		
	Escalation from smaller fire	Yes		Yes		
3.9. Explosion - Physical burst (including third parties / tenants and contractors)	Boiler explosion / pressure vessel failure (or example design, inspection, maintenance, human error, external heating (boilers, cylinders)	Yes		Yes		
3.10. Structural collapse/failure (including third parties / tenants and contractors)	Structural collapse / failure leading to injury / loss of life/ damage to the environment (from buildings, structures, bridges, tunnels, storage, roads, construction equipment, mobile equipment, waste and spoils)	Yes		Yes		
	For example, impact, dropped / swung load from crane, instability,					
3.11. Projectiles/rotating equipment	Failure of rotating equipment leading to projectiles	Yes		No	N/A	

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
3.12. Disease (human, animal, plant) / Biohazard onsite handling and storage	Release from quarantine/ storage centres, including waste and disposal	N/A		No	BAU	Heathrow is an approved Border Inspection Post and provides facilities and a framework under which the Port Health Authority (PHA) operates. The framework and facilities are subject to inspection by the CAA. Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
3.13. Exposure to biological agent/hazard during operation or construction	Loss of containment from storage or transport container	Yes		Yes		
	Generation of biological agent due to inadequate controls (legionella)	Yes		Yes		Notification of Cooling Towers and Evaporative Condensers Regulations (S.I.1992/2225), 1992.
	Other biological hazards, for example Psittacosis, Leptospirosis / Weil's, <i>E.coli</i> ,	No	HSAWA	No	HSAWA	
3.14. Food/water contamination	Failure of onsite monitoring, handling, control and management, including security leading to contamination of food or water sources	Yes		No	BAU	Regulations governing supply of potable water. Food Standards Agency. Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
3.15. Radiological substance onsite handling and storage (operation, construction)	Failure of onsite monitoring, handling, control and management, including security leading to a release	No	HSAWA	No	BAU	Current facilities will be extended proportionally to the DCO Project with the same quality of provision.
3.16. Other hazardous agent (including third parties / tenants and contractors)	Electricity	No	HSAWA	No	HSAWA	
	Noise	No	Sub	No	Sub	Control of Noise at Work Regulations (S.I. 2005/1643), 2005.
3.17. Hostile environment	Low oxygen/poor air quality	No	HSAWA	No	HSAWA	
	Confined/high space hazards	No	HSAWA	No	HSAWA	Ingress into confined space of landfill gas to be considered (as historic hazard). Confined space entry for workers scoped out as it is an occupational safety hazard, controlled under HSAW and associated Regulations including Confined Spaces Regulations 1997 and Construction (Design and Management) Regulations 2015.
	Extreme temperature environments (hot/cold)	No	HSAWA	No	HSAWA	
3.18. Historic site specific hazard (for example unexploded ordnance, contamination)	Unexploded Ordnance (UXO)	Yes		No	neg	
	Release of landfill gas	Yes		Yes		
	Exposure to historical ground contamination (for example historic landfill)	Yes		N/A		
	Exposure to contaminated hazardous items in clearance site, for example discarded needles contaminated with blood borne viruses including Hepatitis B&C and HIV	No	HSAWA	N/A		Potential hazard associated, for example, with demolition or clearing of landfill, however each incident is unlikely to affect more than one person, and the risk is managed under existing H&S regulations.
	Other land/ water contamination with Major Accident implications	Yes		Yes		
	Exposure to asbestos / other hazardous materials in existing building, during demolition	Yes		N/A		Use of asbestos in new buildings is prohibited by law, therefore not applicable to the operation phase of the DCO Project. Asbestos may be

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
						an issue for demolition (to be determined). It is noted that any buildings containing asbestos would require demolition at some point in future.
3.19. Loss of utilities (onsite)	Electrical/gas/site water/drinking water (inc. contamination)/waste water/refrigeration/fuel leading to injury / loss of life or damage to the environment	Yes		Yes		
3.20. Loss of essential safety/ environmental systems and services	Air safety and air side systems (Communication, airstrip lighting, emergency lighting, NAVAID, radar signage emergency power, emergency isolation, detection)	N/A		No	BAU	EASA Licensing / CAP 168: Licensing of Aerodromes CAP 670 Air Traffic Services Safety Requirements, Part B Section 2 ATC 03: Emergency or Contingency Facilities
	Land safety / environmental systems (Communication, emergency lighting, emergency power, emergency isolation, detection, ventilation)	Yes		Yes		
3.21. Loss of safety critical workers	Unavailability of resource, for example, due to industrial action, or pandemic illness	N/A		No	BAU	EASA Licensing / CAP 168: Licensing of Aerodromes CAP 670 Air Traffic Services Safety Requirements, Part B Section 2 ATC 03: Emergency or Contingency Facilities
3.22. Absent or deficient emergency plan, preparedness or provision - Aircraft safety incident	Absent or deficient emergency plan provision for aircraft safety incident For example a major accident resulting from failure to identify and prepare for foreseeable emergencies (resource, mobilisation and communication, information equipment) failure to maintain / train / exercise	N/A		Yes		EASA Licensing / CAP 168: Licensing of Aerodromes CAP 670 Air Traffic Services Safety Requirements, Part B Section 2 ATC 03: Emergency or Contingency Facilities CAP 760: Guidance on the Conduct of Hazard Identification, Risk Assessment and the Production of Safety Cases
3.23. Absent or deficient emergency plan, preparedness or provision - Environmental incidents and non-aircraft safety incidents	Inadequate identification of potential major accidents and disasters / inadequate preparation	Yes		Yes		
	Major accident or disaster resulting from emergency response action, for example, release of contaminated firewater, fire fighting foam, use incorrect chemical	Yes		Yes		
	Consequences increased, for example, failure to evacuate affected building, emergency responders do not maintain sufficient distance	Yes		Yes		
	Equipment failure (alert, fire protection, PPE, communications equipment)	Yes		Yes		
3.24. Absent or deficient consideration of major accidents and disasters in design	Design (equipment, containment, integrity, location, separation, drainage/interceptor, height of equipment/buildings), maintenance, inspection failure - loss of integrity.	Yes		Yes		

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Hazard	Description	Scope in for construction?	Code (Construction)	Scope in for Operation?	Code (Operation)	Justification / Comments
3.25. Absent or deficient safety/ environmental management systems	Absent or deficient safety management system – for example inadequate planning, resource provision, procedures	Yes		No	BAU	
3.26. Absent or deficient security provision	Absent or deficient security management system – for example inadequate planning, resource provision, procedures	Yes		No	BAU	<p>CAP 1223: Framework for an Aviation Security</p> <p>Guidance on policing at airports. London: ACPO, ACPOS, NPIA, NPIA, (2011).</p> <p>Current facilities will be extended proportionally to the DCO Project with the same quality of provision.</p>



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Appendix 15.6 Relevant guidance



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1. RELEVANT GUIDANCE

- 1.1.1 Relevant guidance to the major accidents and disasters topic is outlined in Table 15.6.1.

Table 15.6.1 Relevant guidance to major accidents and disasters

Guidance	Comment
Environmental Impact Assessment of Projects, Guidance on the Preparation of the Environmental Impact Assessment Report, European Commission, 2017	<p>Guidance on how to develop good quality environmental impact reports to ensure appropriate information is available for decision making purposes.</p> <p>The guidance provided by the European Commission highlights that the context for inclusion of major accidents and disasters is to ensure that adequate focus is given to the provisions for events leading to significant risk with an objective of building resilience in a development against such effects. The bar for what is tolerable to society is therefore set somewhat more onerously for major accidents and disasters than for a smaller event of much lower magnitude.</p>
Guidelines in Environmental Management for Facilities Storing Bulk Quantities of Petroleum Products and Other Fuels, Energy Institute, 3rd edition, May 2015	<p>Guidance on managing environmental issues involved in the design, construction, operation and decommissioning of bulk storage facilities. Promoting application of good environmental management systems and environmental risk assessment, and addressing inherent environmental protection. Applicable to facilities which do not fall into Control of Major Accident Hazards (COMAH) regulations, and those that do.</p> <p>Application of existing major accidents and disasters guidance (principally CDOIF, Version 2) to both non-COMAH and COMAH establishments is an approach suggested for environmental management of facilities in publications such as that of the Energy Institute, 2015.</p>
Chemicals and Downstream Oil Industry Forum (CDOIF) Guideline – Environmental risk tolerability for COMAH establishments V2	Guidelines on the assessment and tolerability of major accidents to the environment (established in relation to COMAH sites).
Guide to predicting environmental recovery durations for Major Accidents Energy Institute, 2017	Establishes guidance on recovery time for ecosystems following a major accident in relation to the environmental fate of released chemicals.
Guidance on the Interpretation of Major Accidents to the environment for the	Guidance on what would constitute a major accident to the environment (from the perspective of COMAH regulations).



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Guidance	Comment
<p>purposes of COMAH regulations, Department of the Environment, Transport and the Regions, June 1999</p>	
<p>All Measures Necessary – Environmental Aspects Guidance to the Competent Authority Inspectors and Officers, HSE/EA/SEPA/Natural Resources Wales, ONR, April 2016</p>	<p>Guidance in relation to COMAH for the management of risk relating to environmental aspects of major accidents and discussion of concepts for proportionality and risk tolerability.</p>
<p>Safety and Environmental Standards for Fuel Storage Sites Process Safety Leadership Group, HSE, 2009</p>	<p>Standards established to specify minimum standards of control storing large quantities of gasoline. Applicable to facilities falling within scope of COMAH.</p>
<p>Guidance: Hazardous Substances¹</p>	<p>Guidance on how to consider hazardous substances in land use planning and relevant planning controls. It includes guidance on how to assess whether Hazardous Substance Consent is required based on the intended inventory.</p>
<p>Guidelines for Environmental Risk Assessment and Management Green Leaves III, Dept. of Environment, Food and Rural Affairs, November 2011</p>	<p>Guidelines for the management and assessment of environmental risk.</p>
<p>CIRIA C736 Containment Systems for the Prevention of Pollution: Secondary, Tertiary and Other Means for Industrial and Commercial Premises.</p>	<p>Good practice guidance on pollution prevention to assist owners and operators of commercial and industrial premises storing substances which may be hazardous to the environment.</p>
<p>Reducing Risks Protecting People (R2P2), Health and Safety Executive. (2001)</p>	<p>The Health and Safety Executive's (HSE) decision making process. Protocols and procedures followed in decision making in relation to the protection of human life in the UK.</p> <p>The tolerability criteria for risk to people, including the aversion for large numbers of casualties resulting from single incidents, has been referenced in setting the criteria for assessing the significance of effects on people.</p>
<p>Air Navigation Guidance, Department for Transport 2017</p>	<p>Guidance to the Civil Aviation Agency (CAA) on its environmental objectives when carrying out its air navigation functions and to the CAA and wider industry on airspace and noise management. It includes overriding need to maintain a high standard of safety.</p>
<p>CAP760 - Guidance on the Conduct of Hazard Identification, Risk Assessment and the Production of Safety Cases – Civil Aviation Authority (2010)</p>	<p>Provides information for Air Traffic Service Providers and Aerodrome Operators on Hazard Identification, Risk Assessment and Developing Safety Cases.</p>

¹ Guidance: Hazardous substances <https://www.gov.uk/guidance/hazardous-substances> (accessed 1 December 2017)



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Major accidents and disasters:

Relevant guidance

Guidance	Comment
CAP 795, Civil Aviation Authority, Safety Management Systems Guidance for organisations, February 2015	Guidance on safety management of operational airports including risk criteria for human harm.
CAP1616 , Civil Aviation Authority, Airspace Design: Guidance on the regulatory process for changing airspace design including community engagement requirements, 2017	Describes the regulatory process for permanent and temporary changes to airspace. Requires the sponsor to prepare a safety assessment of any proposed changes at 'Options Appraisal'. The safety assessment is developed in increasing detail as the proposed changes progress through the process.
Managing health and safety in construction: Construction (Design and Management) Regulations 2015, Guidance on Regulations (L153) 2015	Guidance on the Construction (Design and Management) Regulations 2015.
HID Regulatory Model: Safety Management in Major Hazard Industries, Health and Safety Executive (February 2013)	Describes the core elements of the HID ² Regulatory Model and the HID approach to the regulation and control of risk in onshore and offshore high hazard industries.
Control of Development in Airport Public Safety Zones, Department for Transport Circular 01/2010 (March, 2010)	Describes how development in the vicinity of airports will be controlled.

² Hazardous Installations Directorate

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Major accidents and disasters:

Proposed major accident and disaster harm criteria



Appendix 15.7

Proposed major accident and disaster harm criteria



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Major accidents and disasters:

Proposed major accident and disaster harm criteria

1. PROPOSED MAJOR ACCIDENT AND DISASTER HARM CRITERIA

- 1.1.1 Section 15.10 describes the method used to assess the magnitude of change based on severity of harm and duration of harm for non-human receptors and severity of harm and number of people affected for human receptors. This appendix contains more detail about criteria used to rank these parameters.
- 1.1.2 Criteria for the severity of harm, duration of harm and number of people affected outlined in Table 15.7.1, Table 15.7.2 and Table 15.7.3 respectively. These are aligned to and largely extracted from definitions used in commonly applied major hazard guidance for the environment (CDOIF Guideline Environmental Risk Tolerability for COMAH Establishments, V2) and risk tolerability criteria for people applied by the HSE (R2P2, 2001), CAA (CAP 795, 2015) and in the DfT PSZ circular.
- 1.1.3 **Note 1:** Some of the criteria used in the major accidents and disasters assessment are based on the area of a receptor that is affected. The CDOIF guidance notes that this is a relatively crude guide to the severity or long-term effects. The method includes consideration of the proportion of a linear feature or population that is affected as well as considerations under other categories such as particular species (the method requires that each applicable factor is considered). The level of harm will be assessed with input from relevant specialists.
- 1.1.4 Receptor sensitivity, which relates to the intrinsic value and/or sensitivity of receptors, is embedded within the 'severity of harm', 'duration of harm' and number of people affected criteria to establish their threshold levels and scaling factors. For this reason, the guidance on which Table 15.7.1 is based does not explicitly state sensitivity levels. Therefore, to assist understanding, sensitivity of receptor groups has been provided in Table 15.7.1 based on expert judgement. These are ranked as: very high, high, medium and low.
- 1.1.5 The environmental (non-human) criteria have been directly extracted from that of CDOIF guidance which sets a maximum or minimum severity ranking for some receptors. In the table, therefore some severity of harm categories are noted as non-applicable.
- 1.1.6 Severity of harm criteria also includes criteria for human population which is not provided in CDOIF guidance. This has therefore been developed and calibrated to align with HSE's R2P2, CAP 795 and the DfT PSZ circular.
- 1.1.7 In Table 15.7.1, the term 'noticeable' is used to refer to a level of harm that might lead to noticeable pollution or a minor impact on people, but one which is not considered to reach the thresholds of a major accident. In the CDOIF guidance,



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this column is referred to as 'significant' (rather than 'noticeable') but note that the proposed assessment methodology treats levels of harm in this bracket in the same manner as the CDOIF guidance. It has been renamed to 'noticeable' here to avoid confusion since significant has a different meaning within the Environmental Impact Assessment (EIA) context.

- 1.1.8 Note 1: Typically, other topics examine effects that do not meet the thresholds for major accidents and disasters, but are expected or likely to occur during the life of a development due to planned construction or operational activities.
- 1.1.9 Note 2: Major accidents and disasters examines effects resulting from unplanned but reasonably foreseeable events of high magnitude. They are unlikely to occur during the life of a development however should they occur; the consequences are so serious that their scrutiny during the planning process is warranted to ensure that a development is not vulnerable to them.
- 1.1.10 Note 3: The thresholds are proposed in the context of the assessment of effects arising from major accident or disaster only. Effects that are 'noticeable' are not insignificant and in fact, were they to occur on a frequent basis would be unacceptable and are assessed in other chapters, notably **Chapter 6: Biodiversity** if they are considered likely and foreseeable.



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Table 15.7.1 Severity of harm to the environment (relative to the receptor sensitivity)

Receptor Type	Receptor Sensitivity		Severity of harm			
	Very high	High	Noticeable	Severe	Large	Very Large
Human populations (public: local communities, visitors, passengers)	Very high	High	Small number of minor injury	Substantial number of people requiring medical attention	Multiple life changing injuries, potential loss of life in low numbers	Potential loss of life in high numbers and substantial number of life changing injuries
Human populations (airport and construction workers)	Very High	High	Substantial number of people requiring medical attention	Multiple life changing injuries	Multiple life changing injuries, potential loss of life in low numbers	Potential loss of life in high numbers and substantial number of life changing injuries
Designated Land/Water Sites (Internationally important)*	Very high	High	<0.5 ha or <5% LF/Pop	>0.5 ha or 5-25% of site area or 5-25% of associated linear feature or population	25-50% of site area, associated linear feature or population	>50% of site area, associated linear feature or population
Designated Land/Water Sites (Nationally important)*	High	High	<0.5 ha or <10%	>0.5 ha or 10-50% of site area, associated linear feature or population	>50% of site area, associated linear feature population	N/A
Other Designated Land*	High	High	<10 ha or <10%	10-100 ha or 10-50% of land	>100 ha or >50% of land	N/A
Scarce Habitat*	Medium /High	Medium /High	<2 ha or <10%	2-20 ha or 10-50% of habitat	>20 ha or >50% of habitat	N/A
Widespread Habitat – Non-designated Land*	Medium	Medium	<10ha	Contamination of 10-100 ha of land, preventing growing of crops, grazing of domestic animals or	100 – 1000 ha (applied as per text under 'Severe')	>1000 ha (applied as per text under 'Severe')



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Receptor Type	Receptor Sensitivity	Severity of harm			
		Noticeable	Severe	Large	Very Large
Widespread Habitat – Non-designated Water*	Medium	N/A	Contamination of aquatic habitat which prevents fishing or aquaculture or renders it inaccessible to the public.	N/A	N/A
Groundwater Source of Drinking Water*	Very high	Interruption of drinking water supply <1000 person-hours or For England & Wales only <1ha SPZ	Interruption of drinking water supplied from a ground or surface source (where persons affected x duration in hours [at least 2] >1,000) or For England & Wales only 1-10ha of SPZ where drinking water standards are breached	>1 x 10 ⁷ person-hours interruption of drinking water (a town of ~100,000 people losing supply for month) or For England & Wales only 10-100ha SPZ drinking water standards breached	>1 x 10 ⁹ person-hours interruption of drinking (~1 million people losing supply for 1 month) or For England & Wales only >100ha SPZ drinking water standards breached
Groundwater – non Drinking Water Source*	Medium / High	<1ha	1-100ha of aquifer where water quality standards are breached (or	100-10,000ha	>10,000ha



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Receptor Type	Receptor Sensitivity	Severity of harm			
		Noticeable	Severe	Large	Very Large
Groundwater in unproductive strata*	Low	Groundwater not a pathway to another receptor.	hazardous substance is discernible)	N/A	
Soil or sediment (i.e. as receptor rather than purely a pathway)*	Low / Medium	Contamination not leading to environmental damage (as per ELD), or not significantly, affecting overlying water quality.	Contamination of 10-100ha of land etc. as per Widespread Habitat; Contamination sufficient to be deemed environmental damage (Environmental Liability Directive)	Contamination of 100-1000ha of land, as per Widespread Habitat; Contamination rendering the soil immediately hazardous to humans (e.g. skin contact) or the living environment, but remediation available.	Contamination of >1000ha of land, as per Widespread Habitat; Contamination rendering the soil immediately hazardous to humans (e.g. skin contact) or the living environment and remediation difficult or impossible.
Built environment* (Under CDOIF guidance, built environment is limited to status at or above Grade 1/Cat A listed buildings, scheduled monuments and conservation areas)	Medium - Very high depending on the designation and nature	Damage below a level at which designation of importance would be withdrawn.	Damage sufficient for designation of importance to be withdrawn.	Feature of built environment subject to designation of importance entirely destroyed.	N/A
Particular species (Note – these criteria apply	Low - Very high (depending on species)	Loss of <1% of animal or <5% of plant ground cover in a habitat.	Loss of 1-10% of animal or 5-50% of plant ground cover.	Loss of 10-90% of animal or 50-90% of plant ground cover.	Total loss (>90%) of animal or plant ground cover.



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Receptor Type	Receptor Sensitivity	Severity of harm			
		Noticeable	Severe	Large	Very Large
nationally not regionally/locally*					
Marine*	Medium	<2ha littoral or sub-littoral zone, <100ha of open sea benthic community, <100 dead sea birds (<500 gulls), <5 dead/significantly impaired sea mammals.	2-20ha littoral or sub-littoral zone, 100-1000ha of open sea benthic community, 100-1000 dead sea birds (500-5000 gulls), 5-50 dead/significantly impaired sea mammals.	20-200ha littoral or sub-littoral zone, 100-10,000ha of open sea benthic community, 1000-10,000 dead sea birds (5,000-50,000 gulls), 50-500 dead/significantly impaired sea mammals.	>200ha littoral and sub-littoral zone, >1000ha of open sea benthic community, >10000 dead sea birds (>50000 gulls), >500 dead/significantly impaired sea mammals.
Fresh and estuarine water habitats*	High	Impact below that indicated to be severe	WFD Chemical or ecological status lowered by one class for 2-10km of watercourse or 2-20ha of 10-50% area of estuaries or ponds. Plus interruption of drinking supplies, as per Groundwater Source of Drinking Water.	WFD Chemical or ecological status lowered by one class for 10-200km of watercourse or 20-200ha or 50-90% area of estuaries and ponds. Plus interruption of drinking water supplies, as per Groundwater Source of Drinking Water.	WFD Chemical or ecological status lowered by one class for >200km of watercourse or >200ha or >90% area of estuaries and ponds. Plus interruption of drinking water supplies, as per Groundwater Source of Drinking Water.

* Criteria and Receptor types extracted directly from CDOIF Guidance Criteria ¹

¹ Chemical and downstream Oil Industries Forum. Guideline Environmental Tolerability for COMAH Establishments V2



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- 1.1.11 In Table 15.7.1, where two threshold parameters are given within a single category, for example <math><0.5\text{ ha}</math> or 10% of a designated site of national importance, the lesser of the two is taken to be the threshold for a given receptor. This ensures there is no gap between the 'severity of harm' categories.
- 1.1.12 The duration of harm, which might also be considered as the recovery period, is also a factor in establishing criteria for the magnitude of change relating to major accidents and disasters on non-human receptors. This is given in Table 15.7.2.
- 1.1.13 In general terms a receptor which is able to recover quickly from an event is considered to have suffered a lesser level of harm and one which is more easily tolerated than one that does not recover, or recovers only after a very long time. This concept is recognised in the duration criteria, which takes account of the ability of the receptor to recover and the importance given to the receptor by society (i.e. its sensitivity). Duration criteria therefore differs by receptor type, and what is considered short term for one receptor type is not the same as that of another.
- 1.1.14 Four categories of duration are considered: short-term, medium-term, long-term and very long-term.
- 1.1.15 For environmental (non-human) receptor types, the criteria is taken directly from the CDOIF guidance, informed by guidance provided by the Energy Institute², for appropriate recovery times of different receptors types following exposure to various hazardous substances.

² Energy Institute, Guide to Predicting Environmental Recovery Durations form Major Accidents. Supporting Guide to the Environmental Risk Tolerability for COMAH Establishments Guideline, 2017



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Table 15.7.2 Duration of harm to the environment (non-human receptors)

Description*	Short term	Medium term	Long term	Very long term
Groundwater or surface water drinking water source (public or private)	N/A	N/A	Harm affecting drinking water source or SPZ <6 years	Harm affecting drinking water source or SPZ >6 years
Groundwater (except drinking water sources): WFD Hazardous/Non Hazardous Substances	WFD hazardous substances <3 months	WFD hazardous subs >3 months	WFD hazardous subs >6 years	WFD hazardous subs >20 years
	WFD non-hazardous substances <1year	WFD non-hazardous substances >1 year	WFD non-hazardous substances >10 years	WFD non-hazardous substances >20 years
Surface water (except drinking water sources - see above)	<1 year	>1 year	>10 years	>20 years
Land	<3 years	>3 years or >2 growing seasons for agricultural land	>20 years	>50 years
Built environment³	Can be repaired in <3 years, such that its designation can be reinstated.	Can be repaired in >3 years, such that its designation can be reinstated.	Feature destroyed, cannot be rebuilt, all features except world heritage site.	Feature destroyed, cannot be rebuilt, world heritage site

*Extracted directly from CDOIF¹ Guidance Criteria

- 1.1.16 For human receptors, the number of people affected is used in determining the magnitude of change. The assigned values are aligned to be compatible with R2P2, CAP795 and the DfT PSZ circular concepts and given in Table 15.7.3.

Table 15.7.3 Human populations: number of people affected

Description	Numbers affected	
Human populations	Low to high numbers affected (10s of people)	Very high number affected (100s of people)

³ Not all descriptions in this row refer directly to duration. They are included here so that they are correctly calibrated within the Magnitude Matrix (Graphic 15.2).

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Description of current aircraft operation



Appendix 16.1

Description of current aircraft operation



1. DESCRIPTION OF CURRENT AIRCRAFT OPERATION

- 1.1.1 This section describes the current operation of the airport in the context of aircraft noise. To accord with the revised draft Airports National Policy Statement (ANPS) changes may be required to these current operational parameters.
- 1.1.2 For safety and performance reasons aircraft typically land and take off into wind and therefore when there is a westerly wind, aircraft arrive over London and depart towards the west (known as westerly operations). When there is an easterly wind aircraft arrive over Windsor and depart towards London (known as easterly operations).
- 1.1.3 During the day, a 'westerly preference' also operates at Heathrow. Westerly preference is Government policy and means that even during periods of light easterly winds (up to 5 knots) aircraft will continue to land in a westerly direction, making their final approach over London. Westerly preference was introduced in the 1960s to reduce the number of aircraft taking off in an easterly direction over London, the most heavily populated side of the airport. This was when departures were considered to be more disruptive to local communities than arrivals.
- 1.1.4 In the UK, the wind is mostly from the south-west. When the prevailing wind direction and westerly preference are combined, the resulting pattern is that westerly operations typically occur for around 70% of the time and easterly operations for 30% of the time.
- 1.1.5 During the day, and when the airport is on westerly operations, a procedure known as 'runway alternation' is in place. This procedure provides local communities living under the final approach into the airport with periods of relief from aircraft noise. Residents place great importance on the alternation system at Heathrow and every effort is made to adhere to it. The runway alternation pattern means that for part of the day we use one runway for landings and the other for take-offs, then halfway through the airport's operating day at 15:00, the runways switch over.
- 1.1.6 In the morning one runway is used for take-offs and the other for landings. At 15:00 the runway switches over. This morning to evening pattern of runway use continues for the rest of the week and the following week the pattern switches. What happened during the evening during the previous week, now happens in the morning. And vice versa. This pattern is published for the year.
- 1.1.7 During the night when traffic volumes are lower, there is greater scope for alternating runway use whether the airport is on easterly or westerly operations. Landings can be switched between the northern and southern runways and, if the weather allows it, aircraft can approach from the east or the west.

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Description of current aircraft operation



- 1.1.8 Those four options allow the Airport to operate night-time runway alternation on a four-weekly cycle around the northern and southern runways and easterly and westerly operations. Subject to the prevailing wind conditions, for one week aircraft arrive from the west on the northern runway, the following week arriving aircraft arrive from the east on the northern runway, the week after that, aircraft arrive from the west and land on the southern runway and on the final week aircraft arrive from the east and land on the southern runway. The pattern of rotation is published for the year. If the wind conditions prevent the planned runway from being used an alternative is also detailed in the runway rotation schedule.
- 1.1.9 Due to the volume of aircraft movements, arriving aircraft are frequently held in a 'holding stack'. There are four main holding stacks at Heathrow, known as Bovingdon to the north-west, Lambourne to the north-east, Biggin to the south-east and Ockham to the south-west. At any one a time a number of aircraft will be in each stack, separated by 1,000ft and each aircraft will fly a number of circuits until cleared by Air Traffic Control (ATC) to land. The lowest level of the stack is 7,000ft.
- 1.1.10 Aircraft enter the stack, circle and descend. When they leave the holding stack they are directed by ATC onto the final approach to land at Heathrow. The controllers manage the order of the aircraft from all four stacks and guide them safely onto one of Heathrow's two runways. There are no set routes for planes moving from the holding stacks to the final approach. While the overall patterns have remained similar for many years, the position of aircraft in the skies varies from flight to flight and day to day.
- 1.1.11 Once an aircraft has been directed out of a stack, a Continuous Descent Approach (CDA) is followed as far as practicable at the time, as the aircraft descends maintaining a steady angle to join the final approach. CDAs have been used at Heathrow for many years. The intention of CDA is to reduce arrival noise by keeping aircraft higher for longer. The specific CDA profile for Heathrow, as defined in the Arrivals Code of Practice, is a 3° descent from 6,000ft.
- 1.1.12 An aircraft is on its final approach when it is lined up with the runway to land. The final approaches into Heathrow's runways extend about 13 nautical miles (approximately 15 miles) from the end of each of the airports' two runways. The point at which aircraft join the final approach varies on a flight by flight basis depending on how aircraft need to be sequenced by the controllers.
- 1.1.13 Aircraft landing at Heathrow join the Instrument Landing System (ILS) to align directly with the runway. The ILS is a precision runway approach aid employing two radio beams to provide pilots with vertical and horizontal guidance during the final approach to landing. Pilots use it to guide them to the runway and down the 3° approach angle. Each runway has its own beam which is aligned with its



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centreline to ensure aircraft approach in a straight line as they come into land. These approach flight paths are fixed.

- 1.1.14 During the day, aircraft should join the final approach at a height of at least 2,500ft, and will then follow the ILS down a 3° glide path into the airport. During the night, aircraft must not be lower than 3,000ft or closer than 10 nautical miles when joining the ILS.
- 1.1.15 Aircraft taking off from Heathrow follow pre-defined routes known as Standard Instrument Departures (SIDs). The choice of SID used is decided by the airline and is predominately dictated by the destination of the aircraft. A SID includes a profile and a minimum rate of climb. It avoids obstacles (for example tall buildings, radio masts, high ground) and also avoid SIDs from other airports which means that they don't always follow the most direct route. The current SIDs are based upon the historic positioning of ground-based navigational aids.
- 1.1.16 Either side of the SID is a 1.5km corridor known as the Noise Preferential Route (NPR). Aircraft do not have to follow the centreline of the SID precisely, but are required to stay within the 3km wide NPR up to 4,000ft, unless directed off for safety or operational reasons. These corridors are necessary because aircraft perform differently and so there will be some variation as to where aircraft fly relative to the centreline of the SID. Once aircraft reach 4,000ft, NATS air traffic controllers can direct them from the SID on to a more direct heading towards their destination.
- 1.1.17 Aircraft departing Heathrow are required to maintain a climb gradient of at least 4% from 1,000ft to (no less than) 4,000ft.
- 1.1.18 There is no ban on night flights at Heathrow but since 1962, the Government has placed restrictions on them. The structure of the current night flying restrictions at Heathrow has been in place since October 2017. The Night Flight restrictions are part of the Government defined noise measures under the Civil Aviation Act 1982.
- 1.1.19 There are two time periods associated with night-time flying. The Night Restrictions Period from 23:00–07:00 defines the night-time period and places restrictions on the movement of the noisiest types of aircraft; and within that timeframe the period between 23:30–06:00 which is known as the Night Quota Period (NQP) which has limits on the number of movements and the types of aircraft that can operate. These limits are set by the Department for Transport.
- 1.1.20 The limits are set on a seasonal basis: summer and winter; Heathrow is currently limited to 5,800 night flights a year: 3,250 in the summer season and 2,550 in the winter season. Heathrow is also permitted to carry over up to 10% of the 'left over' movements from summer to winter, which means the winter season limits vary more than the summer limits. The summer season is defined using British



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Summer Time. Heathrow is not permitted to accumulate the carry-over from one year to the next.

- 1.1.21 As well as limits set on the number of movements during the night period, aircraft are classified into nine bands according to the amount of noise they make when taking off and landing. The noisier the aircraft, the higher the band it is placed in. These bands are called quota counts (QC).
- 1.1.22 Every aircraft is given a QC number between 0 and 16. Under the QC system, each aircraft type, including different versions of the same model, is assigned a QC according to its noise performance, separately for arrival and departure, as determined by the ICAO noise certification process. For example, a Boeing 737-800 is classified as QC/0.5 on arrival and as QC/0.5 or QC/1 on departure (depending on its maximum certificated take-off weight), whereas a much larger and older Boeing 747-200 will vary between QC/2 and QC/8 on arrival, and between QC/4 and QC/16 on departure, depending on engine fit and maximum take-off weight.
- 1.1.23 Across each season the number of QC points for each aircraft movement during the NQP are added up and the total must be within QC limit for that season. In July 2017, following public consultation, the Government announced their new five-year regime running from October 2017 to 2022. The new regime includes the reduction of the QC limit for Heathrow from 4,080 to 2,415 (winter) and from 5,100 to 2,735 (summer).
- 1.1.24 There are no departures scheduled to operate between 23:30 and 06:00 and there are, on average, around 16 aircraft scheduled to arrive each day 04:30 and 06:00. Heathrow operates a voluntary restriction on aircraft landing before 04:30 and there is a voluntary restriction on the scheduling of cargo movements between 23:00 and 06:00.

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Description of current aircraft operation



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Appendix 16.2

Noise expert review group



1. NOISE EXPERT REVIEW GROUP

1.1 NERG members biographies

Stephen Turner, MA, MSc, HonFIOA [NERG Chair]

1.1.1 Stephen graduated in engineering from King's College, Cambridge and in applied acoustics from the University of London. He has worked in the field of noise, acoustics and vibration for over 40 years, including, for virtually all that period, the assessment and management of aviation noise. He has prepared and presented evidence at Public Inquiries into proposed airport expansions and has carried out many studies regarding the impact and effect of aviation noise for a wide range of clients including airport operators, local authorities and resident groups. He is a member of the European Commission's Noise Expert Group, the European Environment Agency's Expert Panel on Noise and is chair of the British Standards Institution Committee on Transportation Noise. He was a peer reviewer for the Department of Transport's Attitudes to Noise from Aviation Sources in England study, published in 2007 and for their study entitled Survey of Noise Attitudes: Aircraft Noise, published by the Civil Aviation Authority in 2017. Stephen was a technical adviser to the noise policy team at Defra and its predecessors for 15 years, including four years as a Civil Servant, ending in January 2015. He is now Director of his own independent consultancy, Stephen Turner Acoustics Limited. He was awarded the Noise Abatement Society's 50th Anniversary John Connell Award for "*making an outstanding contribution in commitment, influence and positive impact on addressing noise management issues*" and was made an Honorary Fellow of the Institute of Acoustics in 2012.

David Horrocks, BA, DMS, FRSPH, MCIEH, CEnvH, MIOA

1.1.2 David is an independent chartered environmental health practitioner. He qualified in 1976 and spent 16 years working as a practising environmental health officer in local government for Burnley BC, Stratford on Avon DC, Milton Keynes BC and LB Camden. His last position in local government was as Head of Environmental Health Services at Brentwood DC in Essex. In 1992 he set up his own consultancy practice and he specialises in environmental protection work including the control of environmental and occupational noise, the assessment of air quality and the investigation and resolution of statutory nuisances. Between 2000 and 2013 David worked as a specialist advisor to Network Rail on the Thameslink rail project. This involved preparing guidance documents on the Best Practicable Means of Controlling Noise, Vibration and Airborne Pollution from construction works. During 2013 David was a member of the Acoustic Review Group on the HS2 project providing a 'check and challenge' function on policies and procedures



emerging from the project. Since 1993 David has tutored on the Institute of Acoustics Diploma course and has been an examiner on the Regulation and Assessment of Noise specialist module since 2005. He is an accredited assessor for the Chartered Institute of Environmental Health's Assessment of Professional Development scheme. David has considerable experience in preparing expert reports and in presenting expert evidence at public inquiries and in criminal and civil court proceedings. In 2010, with the environmental law barrister John Pointing, he established the consultancy *Statutory Nuisance Solutions* (SNS) and has worked on a number of cases for business and local authority clients, including the provision of bespoke practical training courses. SNS currently provides specialist advice to Defra on matters relating to statutory nuisance.

Lisa Lavia MBA, FRSA, Affiliate of the IOA

- 1.1.3 Lisa is managing director of environmental NGO The Noise Abatement Society (NAS). In 2009 she founded and developed NAS' Soundscape programme. Her work has included a series of empirical research projects and memberships of/appointments to the: EU FP7 COST Action TD0804 on "Soundscapes of European Cities and Landscapes"; International Organization for Standardization (ISO) TC43/SC1/WG54 on "Perceptual Assessment of Soundscape Quality"; British Standards Institution EH 1/2 committee on "Transport Noise"; and EH 1/3 committee on "Residential and Industrial Noise". She is a University of Sheffield Industrial Research Fellow on Applied Soundscape; an Affiliate of the Institute of Acoustics; lead chapter author on "Applied Soundscape Practices" in "Soundscape and the Built Environment" (CRC Press, 2015); and "Non-Participant Observation Methods for Soundscape Design and Urban Planning" in "Perception-Driven Approaches to Urban Assessment and Design" (IGI Global, 2018). She carries out collaborative empirical research on the relationship between soundscape, wellbeing and peoples' objective and subjective response in context.

Stephen Stansfeld, MB, BS, PhD, MRCP, FRCPsych, Dr HC University of Gavle

- 1.1.4 Stephen Stansfeld is Emeritus Professor of Psychiatry in the Wolfson Institute of Preventive Medicine at Barts and the London School of Medicine, Queen Mary University of London. His research interests include the effects of the physical and social environment on mental health. He was Chair of the International Commission on the Biological Effects of Noise from 2008 to 2014 and directed the 7th Framework funded European Network on Noise and Health, involving 33 European partners to decide on priorities for new research on environmental noise and health. He directed the European 5th Framework funded RANCH Study on the effects of aircraft and road traffic noise on children's cognition and health. He currently chairs the World Health Organisation (WHO) Guidelines Development Group on the new guidelines for environmental noise. He carries out research on



noise and health, working conditions and mental health and longitudinal studies of adolescent mental health.

1.2 NERG terms of reference

Aim

- 1.2.1 The aim of the NERG is to “*independently assure the scientific and policy robustness of the assessment and mitigation of sound, noise and vibration, including effects on health and quality of life (wellbeing), associated with Heathrow expansion*”.

Purpose

- 1.2.2 To review and challenge as appropriate the approach to sound, noise and vibration assessment, management, control, and policy matters.
- 1.2.3 The group will provide assurance to Heathrow, its consultants and DCO Project stakeholders regarding the quality and appropriateness of the proposed assessment and management of sound, noise and vibration.
- 1.2.4 The group is independent of Heathrow and its consultants and is not expected to:
1. Speak on behalf of Heathrow or its consultants
 2. Support or object to any of Heathrow’s current operations, practices or proposals, or any other specific expansion proposal or any potential intervention.

Function

- 1.2.5 To provide an independent and highly experienced perspective on the development of sound, noise and vibration assessment methods and criteria and proposals for effective management and control of sound, noise and vibration.
- 1.2.6 To have a focus on management and control of all sound, noise and vibration sources including aviation, construction, road and rail. The group will also provide professional guidance on community responses to all sources of sound, noise and vibration including effects on health and quality of life (wellbeing).
- 1.2.7 The NERG is not required to:
1. review or provide critique on assessment outputs or findings
 2. review or comment on compensation claims.
- 1.2.8 The NERG is not an approval body and their advice does not relieve others of their technical or contractual responsibilities.



Activities

- 1.2.9 The responsibilities of the NERG include, but are not limited to:
1. Attending and participating in meetings of the NERG which are expected to be held bimonthly (once every two months) or at more frequent intervals as may be required providing independent advice to the Heathrow Expansion Programme (HEP) Integrated Design Team (IDT) and Programme Client Team (PCT)) acting in accordance with its defined remit
 2. Reviewing and agreeing written records of previous meetings at the start of each meeting
 3. Considering issues of principle and practice relating to construction and operational sound, noise and vibration assessment, management, control, policy and planning matters particularly through the bimonthly meetings
 4. As and when requested, providing and clearly articulating their most up to date understanding of the management and control of issues to be presented in the format agreed
 5. Reviewing HEP sound, noise and vibration assessment scope and methodologies, significance criteria, mitigation options and other associated issues. Providing comments using the template provided by HEP, unless otherwise agreed
 6. Providing, as appropriate, supporting evidence for the group's advice and recommendations upon submission
 7. Reviewing key IDT deliverables including but not limited to methodology statements, significance criteria, etc., in advance of publication
 8. Provide updates to the project and its consultants on relevant international developments, legal case studies, recent publications and emerging technologies relating to aviation, construction and operational sound, noise and vibration through relevant presentations, papers and reports or other written communication as and when considered to be relevant which Heathrow may make externally available to stakeholders and the public online or through the Development Consent Order (DCO) process (subject to copyright). Contribute to central repository relevant reference material as and when encountered.

Outputs

- 1.2.10 The principal outputs of the NERG are recommendations and best practice guidance to HEP on the approach taken to construction and operational sound,



noise and vibration assessment, management, control, policy and planning matters.

Conduct

- 1.2.11 The group operates without prejudice to any local or political view and is expected to abide by the codes of practice set by relevant professional organisations and the spirit of Heathrow's purpose statement and values.
- 1.2.12 All group members will be required to sign and abide by a non-disclosure agreement.
- 1.2.13 The group will report on its activities to HEP as necessary to inform them of advice and recommendations.
- 1.2.14 The agenda and any relevant papers for the meeting will be circulated not less than three working days before a meeting except where this is unavoidable. Records of the meeting will be kept and made available to others on request.

Meetings

- 1.2.15 Meetings will be held as agreed by the participants having regard to the DCO application schedule as informed by other interfacing consent processes.



Appendix 17.1

Surface Access Modelling



1. SURFACE ACCESS MODELLING

1.1 Introduction

1.1.1 This technical appendix provides an overview of the approach Heathrow is adopting to the development of a surface access modelling suite for an expanded Heathrow Airport, to inform the assessment work required to accompany the Development Consent Order (DCO) application. It provides a summary of the work to date and outlines future stages of work that will be undertaken in support of the DCO application. It has been produced as background information for discussion and to inform understanding of work to date in relation to surface access modelling.

1.2 Surface access modelling tools

1.2.1 To assess the surface access impact of an expanded Heathrow Airport, a comprehensive programme of modelling and assessment is underway. This modelling will generate forecasts for future surface access demand for an expanded airport and test the impact of different measures on the allocation of this demand to different modes of transport. The modelling and analytical programme is the primary tool for demonstrating that the targets set out in the revised draft Airports National Policy Statement (revised draft ANPS) are capable of being met. The revised draft ANPS states that:

“The applicant should assess the implications of airport expansion on surface access network capacity using the WebTAG methodology stipulated in the Department for Transport guidance, or any successor to such methodology. The applicant should consult Highways England, Network Rail and highway and transport authorities, as appropriate, on the assessment and proposed mitigation measures. The assessment should distinguish between the construction and operational project stages for the development comprised in the application”.

1.2.2 To model the surface access impacts of an expanded airport, Heathrow has developed a suite of forecasting tools. These models have been developed following WebTAG guidance and are specifically focussed on Heathrow Airport and its surface access impacts. A summary of the purpose and functionality of these models is given below:

1. Air passenger demands by mode and hour of the day are forecast using the London Airports Surface Access Model (LASAM) and the associated Time Period Model (TPM). LASAM has a 2016 base year which was the latest year for which a full Civil Aviation Authority (CAA) air passenger database was available

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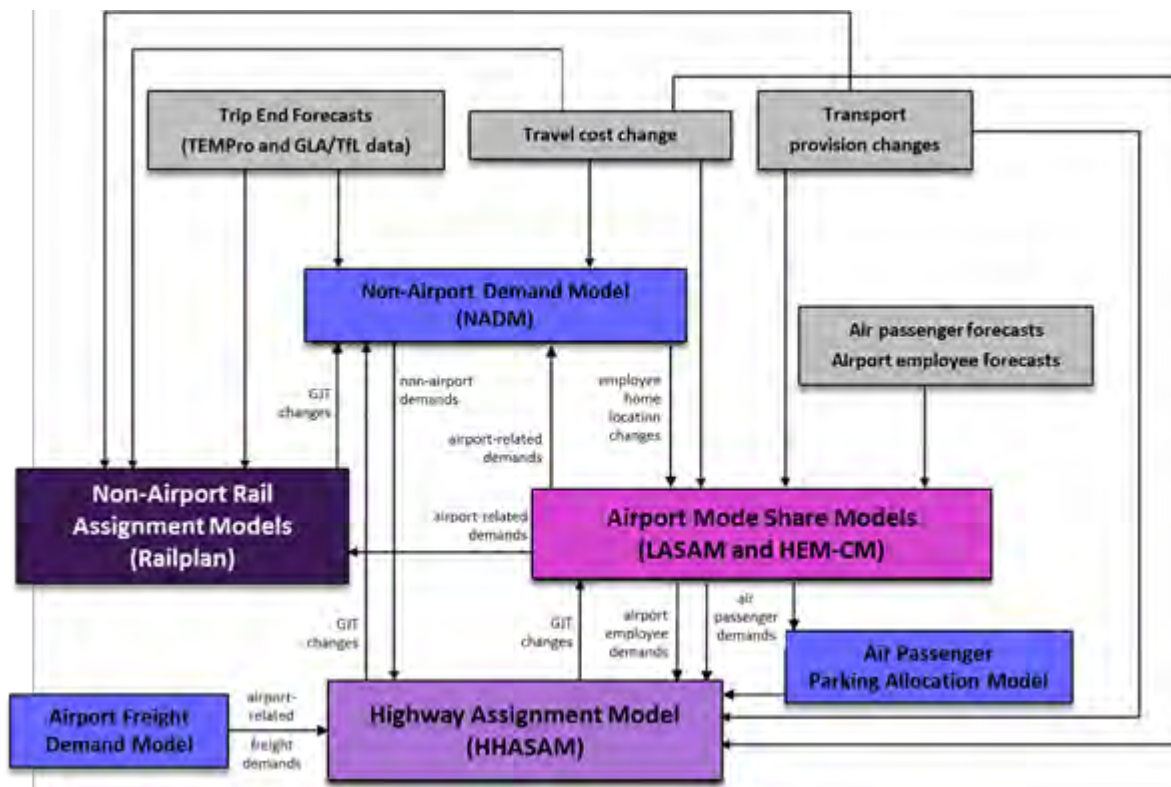
Surface access modelling



2. Airport employee demands by mode and hour of the day are forecast using the Heathrow Employee Mode Choice Model (HEM-CM). HEM-CM has a 2017 base year as the employee travel survey that forms the basis of the model was undertaken during 2017
 3. Non-airport travel demands by mode and hour of the day are forecast using the Non-Airport Demand Model (NADM). NADM is calibrated to a 2015 base as this is the year for which most of the demand and traffic count data that are required for the model development was collected
 4. Air passenger vehicle trips that are outputs from LASAM using the passengers' ultimate on-airport origin or destination are allocated to car parks using the parking allocation model
 5. Airport-related freight demands are forecast by the Airport Freight Demand Model
 6. Highway trips from the previous five models are assigned to the highway network using the Heathrow Highway Assignment and Surface Access Model (HHASAM). HHASAM is calibrated to a 2015 base as this is the year for which most of the demand and traffic count data that are required for the model development was collected
 7. Non-airport travel demands by rail are forecast by a locally refined and validated version of Transport for London's (TfL) Railplan public transport assignment model. The basis of this is a 2015 scenario derived from LTS v7.1.2 which is being used as the base for initial forecasts. A further update to a Railplan 2015 base from v7.2 is planned.
- 1.2.3 Individual modules in the modelling suite currently have different base years which is a direct consequence of data availability. Processes will be used to adjust model outputs as appropriate where models need to interface with each other.
- 1.2.4 The new modelling suite and the interactions between the component models is shown Graphic 1.1.



Graphic 1.1: Surface Access Modelling Suite



Source: Heathrow

1.3 Identifying the modelled area

- 1.3.1 The level of detail within a transport model varies by location. Models should be more detailed close to the scheme or intervention and become less detailed with increasing distance. This reduction in the level of detail should be graduated and not stark, commensurate with the requirements to ensure a good representation of routing into the study area. The appropriate level of detail is mainly determined by the requirements of the highways assignment model, given that many of the environmental models depend directly on this component's outputs. The level of detail in the other model components in the suite has been adapted to support the highway assignment model requirements.
- 1.3.2 WebTAG notes that an evidence-based approach to the definition of the so-called 'Area of Detailed Modelling' and the 'Rest of the Fully Modelled Area' is to make use of an existing model where one is available. This involves undertaking initial high-level tests of the types of intervention that will be undertaken in the new model and for which the new model will be expected to provide a robust evidence base.
- 1.3.3 The purpose for which the highway assignment model will be used is very specific: for testing the impact of interventions (both demand and supply (network) based)

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Surface access modelling



at Heathrow Airport. This aids in the definition of the boundaries of these model area types. The geographic coverage of the highway assignment model needs to be sufficient that:

1. The strategic re-routing impacts of interventions (either demand or network-based at the airport) can be modelled
2. Areas outside of the main study area, which are potential alternative diversions, are properly represented
3. The full lengths of trips are represented.

1.3.4 Analyses have been undertaken to understand the likely extents of impacts from surface access interventions at Heathrow airport. These analyses have made use of previous model runs of the pre-existing Regional Road Traffic Model (RRTM) highway assignment model. The spatial coverage of this model exceeds that likely required for Environmental Impact Assessment purposes, given that it was originally developed to also be able to assess surface access strategy impacts at Heathrow and Stansted. Additionally, checks on the distribution of employee home locations, distribution of sites flagged as potential impact locations in analysis undertaken by the Airports Commission and considerations of areas required by environmental teams have been noted.

1.3.5 Based on these analyses, the Fully Modelled Area (comprising the Area of Detailed Modelling and the Rest of the Fully Modelled Area) has been defined. These are shown in Figure 17.1 of **Chapter 17: Traffic and transport**. The geographical extents of these are based on the impacts predicted by the previous RRTM model discussed above, but aligned with London Borough and District boundaries.

1.3.6 The characteristics of each of the modelled areas are shown in Table 1.1.

Table 1.1 Fully modelled area identification

Area Type	Intervention Impacts	Characteristics
Fully Modelled Area, of which...		
... Area of Detailed Modelling	Significant impacts are certain at some locations within this area	<ol style="list-style-type: none"> 1. All trip movements included 2. Small, detailed zones 3. High-level of network detail 4. Junction modelling (simulation coding)
... Rest of the Fully Modelled Area	Impacts are likely but weak in magnitude at some locations within this area	<ol style="list-style-type: none"> 1. All trip movements included 2. More aggregate zones



Area Type	Intervention Impacts	Characteristics
		3. Mixture of speed-flow curve modelling and key junctions.
External Area	Small to negligible impacts throughout this area	1. Skeletal coverage of rest of Great Britain 2. Large zones 3. Fixed speeds (for Variable Demand Model compatibility).

- 1.3.7 Definitions of ‘significant’ or ‘weak’ impacts are not given in WebTAG. It can be readily assumed that ‘negligible’ is defined as there being no change in flows between modelled scenarios or where changes are within the bounds of accuracy of the modelling platform or normal variation of traffic volumes.
- 1.3.8 The Guidance for Traffic Impact Assessment¹ notes that significant impacts to highway capacity may occur if:
1. Peak hour traffic flow increases by more than 10%; or
 2. Peak hour traffic flow increases by more than 5% where the network is sensitive (i.e. where there is a congested road network).
- 1.3.9 Given that most of the network around Heathrow may be considered congested, the 5% rule has been applied to generate the Area of Detailed Modelling. The Rest of the Fully Modelled Area allows a graduated transfer to external area and also follows London Borough and District boundaries.
- 1.3.10 The modelling system and its components are being validated to WebTAG standards.

1.4 Air quality and noise requirements

- 1.4.1 The surface access modelling team is working with the air quality and noise teams to provide appropriate data to be input into their air quality and noise models. They will provide appropriate traffic and public transport data for the locations and time periods requested by the air quality and surface access teams, including average annual daily traffic (AADT) and annual average weekday traffic (AAWT) for required highway links.
- 1.4.2 The surface access modelling programme has been set up to be an iterative process to be responsive to the emerging surface access strategy and to take

¹ Institution of Highways and Transportation, 1994. Guidelines for Traffic Impact Assessment.



account of incremental mitigation measures required to achieve the environmental objectives.

1.5 Assessment years

- 1.5.1 Heathrow is predicting that an expanded Heathrow Airport will be open by late 2026. For the purpose of future surface access modelling, Heathrow is using forecast years of 2030 and 2040, which align with the dates identified in the revised draft ANPS. Other future years, as required, will be derived from the 2015 base year and 2030 and 2040 forecast years through interpolation.
- 1.5.2 Background growth planned to occur in the catchment of Heathrow between now and 2030 and 2040 is being estimated using established data sources and in line with WebTAG. For London, this is derived from the new Draft London Plan published by the GLA in late 2017. For outside London, this is derived from National Trip End Model (NTEM).

1.6 Addressing uncertainty

- 1.6.1 All transport models, and forecasts based on them, are subject to uncertainty. The surface access modelling team aims to minimise uncertainty in their development and use of the transport modelling system as follows:
1. By following WebTAG best practice guidance in model development
 2. By including a large new set of data which have been used to estimate the new models
 3. By sensitivity testing of key inputs regarding external traffic growth assumptions, the surface access strategy and drivers of demand at Heathrow
 4. By engaging key stakeholders in the definition of any alternative scenarios and their interpretation.
- 1.6.2 For example, forecasts for the future number of passengers at Heathrow who will use surface access networks are a combination of the following factors:
1. Total Air Traffic Movements (ATM) at Heathrow
 2. Size and utilisation of aircraft at Heathrow
 3. The proportion of transfer passengers.
- 1.6.3 For the purposes of developing the models, a range of possible passenger forecasts will be used ranging from 115 million passengers per annum (mppa) to 134 mppa. This takes into account a number of factors including:
1. Different assumptions on build up and utilisation of the new runway



2. The delivery of terminal capacity alongside the runway capacity
3. The speed routes can be developed by existing airlines
4. Uptake by new airlines
5. Uncertainty regarding plane size.

- 1.6.4 As the airport expands and the number of services and destinations served by airlines operating at Heathrow increases, the catchment of passengers may also change. This could be a result of airlines relocating to Heathrow from other airports or the impact of new surface access connections, such as Crossrail. Assumptions on the future distribution of passengers are built in to the forecasting process.
- 1.6.5 The number of colleagues working at Heathrow relates to the number of passengers using the airport whilst taking into account technological and other changes that will impact on colleague numbers. The number of Heathrow-related colleagues today is around 76,000 and this is forecast to increase to 100,000 by 2030 and 120,000 by 2040.
- 1.6.6 Colleagues currently mostly reside in locations within close proximity to the airport, due to the lower journey times available for both car and public transport. With new public transport infrastructure, it is likely that the origin of colleague travel will cover a wider area as journey times improve for new locations made accessible from these new investments in transport. This potential change in the distribution of colleagues is built in to the forecasting process.
- 1.6.7 At this stage of the process, Heathrow has identified a possible range of passenger forecasts and different scenarios for the number of colleagues. These assumptions are subject to ongoing review and refinement as the proposals for expansion become more defined.

1.7 Next steps

- 1.7.1 The overall programme for modelling and analysis has been developed to align with the different stages of the DCO consultation and DCO application process.
- 1.7.2 The first phase of modelling and analysis has been undertaken with existing modelling tools to support Consultation 1 and to help define the overall approach to meeting the NPS requirements and commitments set out by Heathrow.
- 1.7.3 The second phase will involve more detailed testing and modelling of scenarios using emerging versions of the new modelling system and its components, reflecting comments received from the first consultation phase and supporting the preparation of the draft surface access strategy and preliminary environmental information report for Consultation 2.

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Surface access modelling



- 1.7.4 The final phase allows for comments from Consultation 2 to be incorporated and includes the testing of the final surface access strategy to be submitted with the DCO application, using the final, WebTAG compliant models and informing the Environmental Statement and Transport Assessment.




Appendix 18.1

Water Framework Directive Compliance Assessment methodology



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Water Framework Directive Compliance Assessment methodology

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0.1	December 2017	First outline draft
0.2	February 2018	Amendments following initial discussions and incorporation of WFD detailed assessment method following 24/1/2018 meeting with EA.

Stakeholders

Name	Role
Environment Agency	Competent Authority for the WFD in England

Approved: Name: [REDACTED]

Role: TO5.3 Natural Environment Workstream Lead

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1. Introduction

1.1. The Project

- 1.1.1. This document relates to the Heathrow Expansion Project (the Project), being taken forward by Heathrow. The Project comprises a new runway and associated infrastructure to the north of and adjacent to the existing Heathrow airport. The Project would intersect several watercourses located close to Heathrow and the M25. In addition, the Project would also include ancillary and other developments to support the construction and operational phases.
- 1.1.2. As a Nationally Significant Infrastructure Project (NSIP)¹, the Project would be subject to an application for a Development Consent Order (DCO) under the Planning Act 2008. Among other permissions, it would also require environmental permits under the Environmental Permitting Regulations 2010 (EPR) for various activities that interact with the water environment.

1.2. Overview

- 1.2.1. The Water Framework Directive (WFD)² has been in force since 2000. It was transposed into UK law in 2003³, which was most recently amended in 2017⁴. The WFD aims to protect and enhance the quality of the water environment across all European Union (EU) Member States. It takes a holistic approach to the sustainable management of water by considering surface water, groundwater and water-dependent ecosystems and their interactions. This uses the Driver-Pressure-Status-Indicator-Response (DPSIR) model to link broad policy/sectoral drivers and pressures to environmental outcomes, and the development of mitigation measures.
- 1.2.2. In order to ensure that the Project complies with the requirements of the WFD, it is subject to a WFD compliance assessment. This will provide a decision making tool to enable permitting authorities to assure themselves that the Project is compliant with the WFD or, if the development will compromise the objectives of the WFD, that the appropriate steps have been taken and information provided to justify authorising the Project under Article 4.7 of the WFD.

1.3. Aims of this report

- 1.3.1. This report presents the proposed process through which the WFD compliance assessment for the Project will be undertaken. The approach presented has been discussed with the Environment Agency at four consultation meetings on 25th May 2017, 19th July, 20th September 2017 and 24th January 2018.

¹ As defined in Part 3 of the Planning Act 2008 (as amended).

² EU Water Framework Directive: Directive 2000/60/EC of the European Parliament and of the Council; of 23 October 2000; Establishing a framework for Community action in the field of water policy.

³ The Water Environment (Water Framework Directive) (England and Wales) Regulations 2003.

⁴ Water Environment (Water Framework Directive) (England and Wales) Regulations 2017

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2. The Water Framework Directive

2.1. Headline aims of the WFD

2.1.1. The Directive aims to protect and enhance the quality of the water environment across all European Union (EU) Member States. It takes a holistic approach to the sustainable management of water by considering surface water, groundwater and water-dependent ecosystems and their interactions. In order to achieve these aims, the objectives of the WFD, as implemented through the UK Government's Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 are as follows:

1. To prevent deterioration of the status of water bodies
2. To protect, enhance and restore all water bodies with the aim of achieving 'good status' by 2015⁵
3. To progressively reduce or phase out the release of individual pollutants or groups of pollutants and cease or phase out emissions, discharges and losses of priority hazardous substances
4. To prevent or limit the entry of pollutants to groundwater
5. To comply with the requirements of all WFD Protected Areas.

2.2. Spatial scale

2.2.1. Under the WFD, the surface water environment (rivers, lakes, estuaries and coastal waters) is organised into a catchment hierarchy, where the basic spatial management units are water bodies. Surface water bodies are grouped into larger operational catchments, which are used to identify packages of measures that can be applied to the water bodies within common hydrological catchments and/or characteristics. These are in turn comprised within management catchments of a scale appropriate for management and planning. The largest management unit is the River Basin District (RBD), which comprises one or more management catchments and is the main unit for management of river basins under the WFD. River Basin Management Plans (RBMPs) are developed within each RBD by the EU Member States and environmental objectives are set. The RBMPs are produced every six years, in accordance with the river basin management planning cycle.

2.2.2. Groundwater bodies are defined as distinct volumes of groundwater within an aquifer or aquifers. They are not spatially contiguous with the boundaries of surface water catchments.

2.3. Classification

2.3.1. The WFD requires all EU Member States to classify the current condition or 'status' of all surface water and groundwater bodies and to set a series of

⁵ Although the WFD states that good status should be achieved by 2015, the Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 stipulate that good status should be achieved by 2021 or, in relation to water quality in respect of some priority substances, 2027.

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environmental objectives for maintaining or improving conditions so that water bodies maintain or reach 'good status'. These classifications are updated every six years, and are reported in the RBMPs.

- 2.3.2. The overall 'Ecological Status' of a water body is established on the basis of specific criteria and standards, which define the range of environmental conditions that support 'healthy' aquatic life and are applied in order to help the classification of water body status and the setting of status objectives via the RBMP process.
- 2.3.3. For surface waters, overall WFD status is made up of an ecological and a chemical component. Ecological status is measured on the scale of high, good, moderate, poor and bad. Chemical status is measured as good or fail. Good ecological status (GES) is defined as a slight variation from undisturbed natural conditions, with minimal distortion arising from human activity. The ecological status of water bodies is determined by examining biological elements (e.g. fish, invertebrates, plants) and a number of supporting elements and conditions, including physico-chemical, and hydromorphological factors.
- 2.3.4. The current status and measures designed to achieve the water body objectives (i.e. 2021 status and 2027 status) are set out for each RBMP prepared by the Environment Agency every six years. In the case of the Project, the relevant RBMP is the Thames RBMP.
- 2.3.5. The first RBMPs were published in 2009, and the second cycle RBMPs were published in February 2016. The plans provide the baseline condition of the water environment at the time of publication, set out the reasons why relevant water bodies are not achieving good status, and indicate the measures needed to get to good ecological status or potential. The third cycle RBMPs are set to be published at the end of 2021.
- 2.3.6. Where water bodies are not able to achieve GES because they have been substantially modified to enable a specified human use, such as water supply, flood protection or navigation, the water body may be designated as a heavily modified water body (HMWB) or, in the case of water bodies created entirely by human activity, an artificial water body (AWB). In both cases, WFD ecological objectives are measured against ecological 'potential', rather than ecological status (i.e. the aim is to achieve Good Ecological Potential (GEP) rather than GES). This means that the ecology must be as close as possible to that of a similar natural water body, but without compromising its human use. In practice, GEP is assessed by considering whether the mitigation measures (i.e. those measures that are necessary to ensure the hydromorphological characteristics of the water body are capable of supporting the best possible ecology) have been implemented. The Mitigation Measures required for each HMWB or AWB are listed in the RBMP. All measures listed must be implemented for the water body to achieve GEP. If the measures are not all implemented then the water body will only be able to attain, at best, moderate ecological potential (MEP). All quality elements that are not sensitive to the human use of the water body must

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still attain a standard that is consistent with good status, in order for the water body to achieve GEP.

- 2.3.7. For groundwater bodies, good status has a quantitative and a chemical component. Both are measured on a scale of good, moderate or poor, and a confidence rating is assigned to the status assessment of high or low. Together, these provide a single final classification of either good or poor status. There is also a trend objective (under Article 7 of the WFD) set for groundwater water bodies where environmentally significant and sustained rising trends in pollutant concentrations need to be identified along with a definition of the starting point (percentage of level or concentration) for trend reversal. Furthermore, the daughter directive of the WFD specifically concerning groundwater (the Groundwater Directive⁶ (GWD)) also requires the prevention of any input of priority substances and limiting (or control) of the input of all other substances to groundwater to prevent the deterioration of status.

2.4. Compliance with the WFD

- 2.4.1. All new activities that may have a likely impact⁷ on the water environment are required to comply with objectives of the WFD as set out in section 2.1 of this report. This includes ensuring that no changes occur that cause a deterioration of current status of a water body, and that the activity does not prevent the achievement of the future status objectives of a water body.
- 2.4.2. For Nationally Significant Infrastructure Projects (NSIPs) such as the Project, the Planning Inspectorate has produced specific guidance to ensure that WFD compliance is appropriately assessed. In short, the Examining Authority for a Nationally Significant Infrastructure Project (NSIP) will need, by the close of the Examination, to be in a position to report to the Secretary of State (SoS) on the effects of the Project on the relevant RBMP (and the water bodies therein). This will be achieved through the submission of a WFD Compliance Assessment as part of the DCO application.
- 2.4.3. Water body status deterioration can occur by deterioration of any of the quality elements that make up overall status (e.g. biological, physicochemical or hydromorphological elements for surface waters). Accordingly, any activity that is part of the Project and is judged to have the potential to lower the status of any of the quality elements of a water body or preclude the measures necessary to achieve good status must be assessed to determine its compliance with the WFD. Furthermore, a ruling by the European Union Court of Justice on 1st July 2015⁸ judged that deterioration of any individual quality

⁶ Groundwater (Water Framework Directive) (England) Direction 2016

⁷ Whilst the term 'effect' is commonly used in EIA, 'impact' is used throughout this report in order to be consistent with EA and PINS guidance and because it is a more familiar term for a WFD stakeholder audience.

⁸ Court of Justice of the European Union, PRESS RELEASE No 74/15, The obligations laid down by the Water Framework Directive concerning enhancement and prevention of deterioration apply to individual projects such as the deepening of a navigable river, July 2015

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elements will be considered as an overall deterioration even where this does not lead to a lowering of the overall WFD status of the water body.

Protected Areas

- 2.4.4. Water bodies may also be designated under Article 6 of the WFD as protected areas. Such areas that are relevant to the Project include:
1. Areas designated for the protection of habitats or species where the maintenance or improvement of the status of water is an important factor in their protection, including relevant Natura 2000 sites designated under the Habitats Directive (92/43/EEC) and the Birds Directive (2009/147/EC) (i.e. Special Areas of Conservation [SAC] and Special Protection Areas [SPA]), as well as groundwater dependent terrestrial ecosystems (GWDTE).
 2. Drinking water protected areas (DrWPA) to protect waters used for abstraction of drinking water (average abstraction of >10 m³/d or serving >50 people).
 3. Nutrient-sensitive areas, including areas designated as vulnerable zones under the Nitrates Directive (91/676/EEC) and areas designated as sensitive areas under the Urban Waste Water Treatment Directive (91/271/EEC) (UWWTD).
- 2.4.5. Such areas are likely to be subject to more stringent and/or additional standards in order to meet the requirements of the WFD. Developments that do not comply with the standards and objectives applying to the protected areas noted above will not be compliant with the WFD unless the tests for overriding public interest under Article 6.4 of the Habitats Directive (92/43/EEC) are met.

2.5. Consenting and the WFD

- 2.5.1. In order to ensure that the Project complies with the requirements of the WFD, the likely impacts of all of the activities required to construct and operate the Project will be assessed in a WFD Compliance Assessment document. This will provide a decision making tool to enable the relevant authorities to assure themselves that a proposed development is compliant with the WFD or, if the development will compromise compliance, that the appropriate steps have been taken and information provided to justify permitting the development under Article 4.7 of the WFD.
- 2.5.2. In England, responsibility for ensuring that the WFD is implemented, as well as the preparation of RBMPs, lies with the Secretary of State and the Environment Agency. The Environment Agency is also the relevant permitting authority in relation to its role in issuing Environmental Permits under the Environmental Permitting (England and Wales) Regulations 2016. Furthermore, all public bodies have a duty to 'have regard' to the relevant RBMP in exercising their functions, thus contributing to the UK, as an EU member state, complying with the WFD. Public Bodies include, for example, the Lead Local Flood Authorities

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(LLFAs) responsible for Land Drainage Consenting in Ordinary Watercourses⁹ within and adjacent to the Project, something which may be incorporated in the DCO process. As such, the Planning Inspectorate, in examining the DCO application, and the Secretary of State, in determining the DCO application, will need to have regard to the RBMP. Paragraph 5.182 of the revised draft Airports National Policy Statement sets out the expectation that:

“The Secretary of State will need to be satisfied that a proposal has had regard to the Thames river basin management plan and the Water Framework Directive and its daughter Directives, including those on priority substances and groundwater. In terms of Water Framework Directive compliance, the overall aim of development should be no deterioration of ecological status in watercourses, ensuring that Article 4.7 of the Water Framework Directive Regulations does not need to be applied. If Article 4.7 does need to be applied, and the conditions set out apply to airport development, the applicant must set out and report any modifications to the physical characteristics of surface water bodies or alterations to levels of groundwater bodies in the Thames river basin management plan.”

2.5.3.

3. WFD assessment process

3.1. Overview

3.1.1. The stages of undertaking a WFD assessment, have been suggested by the Planning Inspectorate in Advice Note 18¹⁰. Broadly, these stages comprise the following steps:

1. Data collection on the Project design and the WFD baseline of the water bodies that are likely to be impacted
4. Screening of Project activities for WFD risk
5. Detailed WFD assessment, as informed by consultation with regulators
6. If the detailed WFD assessment is unable to demonstrate that the Project is compliant with the relevant parts of the WFD, then a case would need to be compiled for an Article 4.7 derogation.

3.1.2. However, in practice, undertaking a WFD assessment is not a completely stepwise process. Several stages develop in parallel and there is feedback to other parts of the process. For example, on large infrastructure projects design options appraisal is commonly undertaken in an iterative manner in order to ensure that WFD is placed at the heart of the design decision making process. This is certainly the case in respect of the Project, meaning that there will be a ‘background’ level of screening, scoping and detailed assessment on design

¹⁰ Planning Inspectorate Advice Note 18 on Water Framework Directive:
https://infrastructure.planninginspectorate.gov.uk/wp-content/uploads/2017/06/advice_note_18.pdf

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evaluation options before the final design is selected. Although this iterative evaluation will take place during the design process, the WFD assessment submitted with the DCO application will be based on the DCO design only. A separate report will be provided to document the audit trail of considerations that have influenced the evolution of the design.

- 3.1.3. The assessment will consider the whole design of the Project, including both construction and operational activities. Impacts associated with construction, such as those associated with wastewater management and storage of materials, the temporary footprint associated with construction compounds and storage areas and other general construction activities, will be assessed alongside the impacts from the operation of the Project following completion.

3.2. Available guidance to support the assessment process

- 3.2.1. In the absence of any specific or prescribed regulatory process to follow for WFD assessments, the Planning Inspectorate Advice Note 18 aims to reduce ambiguity and provide a template for a consistent approach across all NSIPs. The WFD assessment for the Project will follow the approach suggested by the Planning Inspectorate, including the high-level principles on undertaking the screening, scoping and detailed assessment stages.
- 3.2.2. In addition to Planning Inspectorate Advice Note 18, and specifically in respect of screening activities that have the potential to impact river water bodies, the Environment Agency have shared their internal guidance, referred to as 'Position 488_10'¹¹, alongside its accompanying Technical Guidance 488_10 SD03 to SD08.

4. WFD Assessment Area

4.1. Context

- 4.1.1. The WFD Assessment Area (a replacement term for what is described by PINS as the 'Zone of Influence') cannot be determined at this stage in the absence of an application site boundary for the Project. However, using the indicative project extent shown in Figure 3.1 of the scoping report, it is possible to provide an indicative Assessment Area. The final Assessment Area for use in the WFD assessment will depend on the outcome of the design of the Project; as such, water bodies may be added or removed relative to those presented in this report.
- 4.1.2. The spatial scope of the assessment will include all WFD surface water and groundwater bodies that are likely to be affected by the Project, including the new airport runway and all related works and infrastructure. At this time, all surface and groundwater bodies within the footprint of the Airports Commission red line boundary, including immediately adjacent and water bodies within a

¹¹ Environment Agency Position, 488_10: Protecting and improving the water environment - Water Framework Directive compliance of physical works in rivers, 2015.

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reasonable distance downstream, from the indicative Assessment Area. These water bodies are listed in Table 18.1.1 and shown in 5.1 to 5-3. It is expected that a number of these water bodies will be scoped out as more details about the design and extent of the main and ancillary works are defined. However, when the Assessment Area is finalised, a full justification for all water bodies screened in/out of the assessment will be provided.

- 4.1.3. It should be noted that out of the 25 water bodies within the indicative Assessment Area only one, the Lower Thames Gravels groundwater body, is currently attaining good overall status. Furthermore, of the 25 water bodies, 18 are either artificial or heavily modified.

4.2. WFD water bodies in the indicative Assessment Area

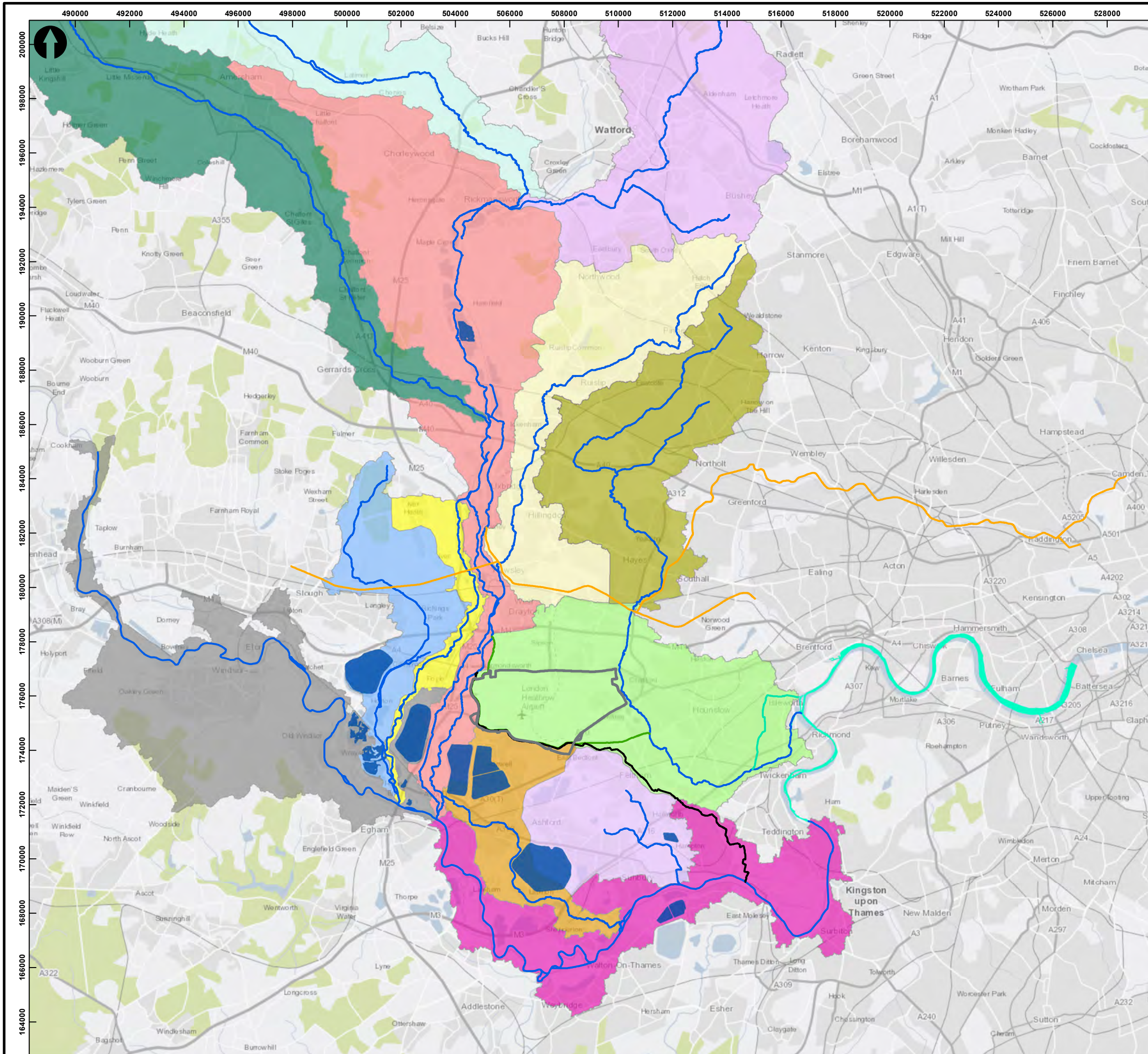
- 4.2.1. Figure 18.1.1 shows the catchment extents of all WFD surface water bodies in the indicative Assessment Area. Figure 18.1.2 presents a zoomed in map showing those river water body catchments and the lake water bodies that fall within these catchments. Figure 18.1.3 shows the extent of the only WFD groundwater body within the indicative Assessment Area.

Table 18.1.1 WFD water bodies identified in the indicative Assessment Area.

Water body name	Type	Hydromorphological designation	Current overall status
Colne (conf with Chess to R Thames)	River	Heavily Modified	Moderate
Colne (from Confluence with Ver to Gade)	River	-	Moderate
Chess	River	-	Moderate
Misbourne	River	-	Moderate
Pinn	River	Heavily Modified	Moderate
Ver	River	-	Moderate
Gade (conf with Bulbourne to Chess)	River	Heavily Modified	Poor
Colne Brook	River	Heavily Modified	Moderate
Horton Brook	River	-	Moderate
Yeading Brook	River	Heavily Modified	Moderate
Crane	River	-	Poor
Portlane Brook	River	Heavily Modified	Moderate
Surrey Ash	River	Heavily Modified	Moderate
Thames (Cookham to Egham)	River	Heavily Modified	Moderate
Thames (Egham to Teddington)	River	Heavily Modified	Poor
Upper Duke of Northumberland's River	Surface water transfer	Artificial	Moderate

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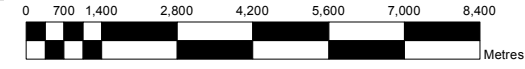
Water body name	Type	Hydromorphological designation	Current overall status
Longford River	Surface water transfer	Artificial	Moderate
Lower Duke of Northumberland's River	Surface water transfer	Artificial	Moderate
Grand Union Canal (Grand Union Canal (Uxbridge to Hanwell Locks, Slough Arm, Paddington Arm)	Surface water transfer	Artificial	Moderate
Lower Thames Gravels	Groundwater	-	Good
Heron Lake	Lake	Artificial	Moderate
King George VI Reservoir	Lake	Artificial	Moderate
Staines Reservoir North	Lake	Artificial	Moderate
Staines Reservoir South	Lake	Artificial	Moderate
The Queen Mother Reservoir	Lake	Artificial	Moderate
Wraysbury Lake	Lake	Artificial	Poor
Wraysbury No 2	Lake	Artificial	Moderate
Wraysbury Reservoir	Lake	Artificial	Moderate



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- Heathrow Planning Boundary
- Upper Thames Transitional Water Body
- WFD River Water Bodies
- WFD Canal and Surface Water Transfer Water Bodies**
- Grand Union Canal, Uxbridge to Hanwell Locks, Slough Arm, Paddington Arm
- Longford River
- Lower Duke of Northumberland's River
- Upper Duke of Northumberland's River
- Lake water bodies
- WFD River Water Body Catchments**
- Chess
- Colne (Confluence with Chess to River Thames)
- Colne (from Confluence with Ver to Gade)
- Colne Brook
- Crane
- Horton Brook
- Misbourne
- Pinn
- Portlane Brook
- Surrey Ash
- Thames (Cookham to Egham)
- Thames (Egham to Teddington)
- Yeading Brook



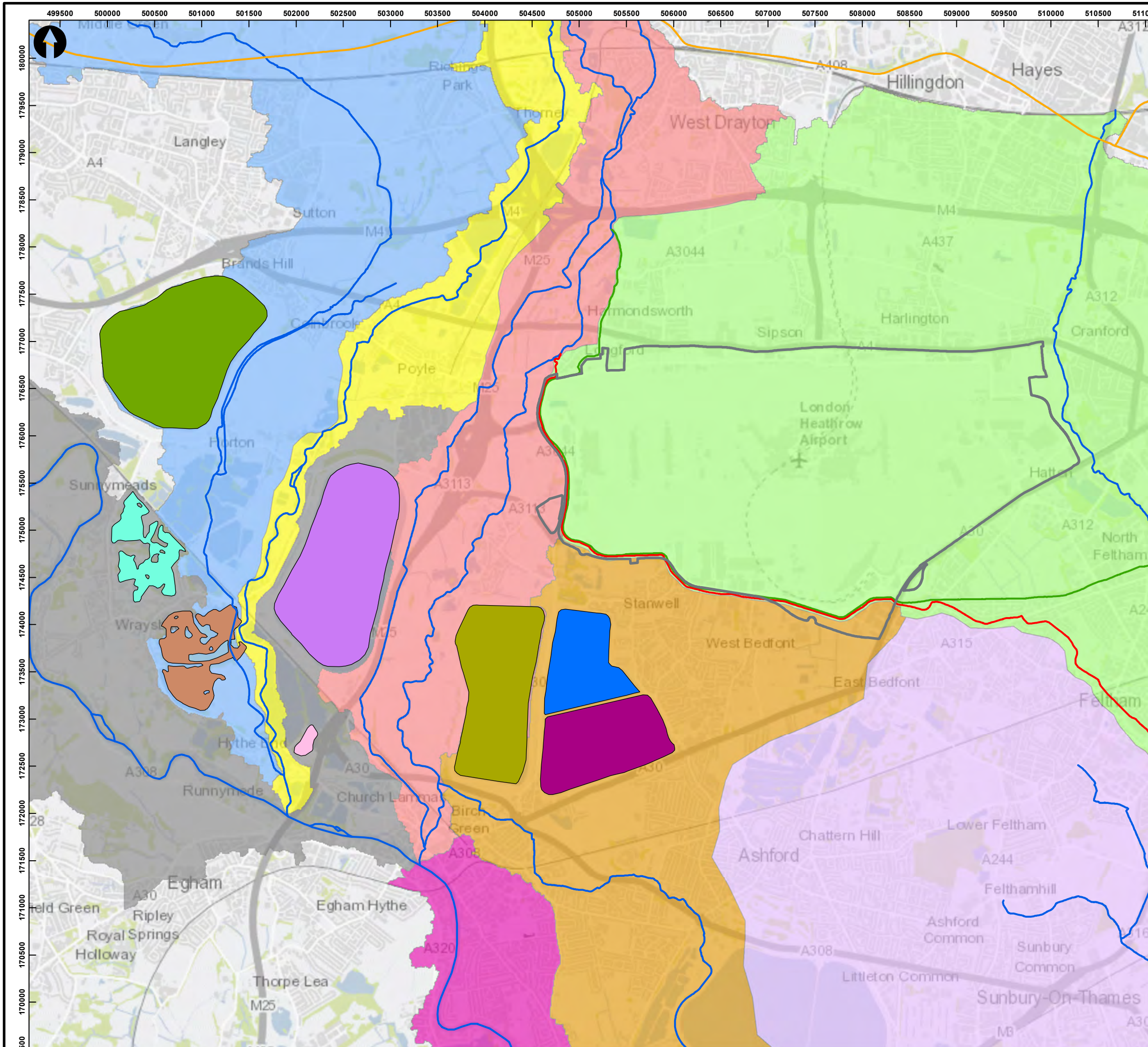
Scale 1:140,000

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 18.1.1: WFD river water bodies

Company Wood	Drawn By EASTR	Chk/Approved WILLH	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000155				Version 1.0



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Legend

- Heathrow Planning Boundary
- WFD River Water Bodies
- WFD Canal and Surface Water Transfer Water Bodies**
 - GU Canal, Uxbridge to Hanwell Locks
 - Longford River
 - Lower Duke of Northumberland's River
 - Upper Duke of Northumberland's River
- WFD Lake Water Bodies**
 - Heron Lake
 - King George VI Reservoir
 - Staines Reservoir North
 - Staines Reservoir South
 - The Queen Mother Reservoir
 - Wraysbury Lake
 - Wraysbury No 2
 - Wraysbury Reservoir
- WFD River Water Body Catchments**
 - Colne (Confluence with Chess to River Thames)
 - Colne Brook
 - Crane
 - Horton Brook
 - Portlane Brook
 - Surrey Ash
 - Thames (Cookham to Egham)
 - Thames (Egham to Teddington)

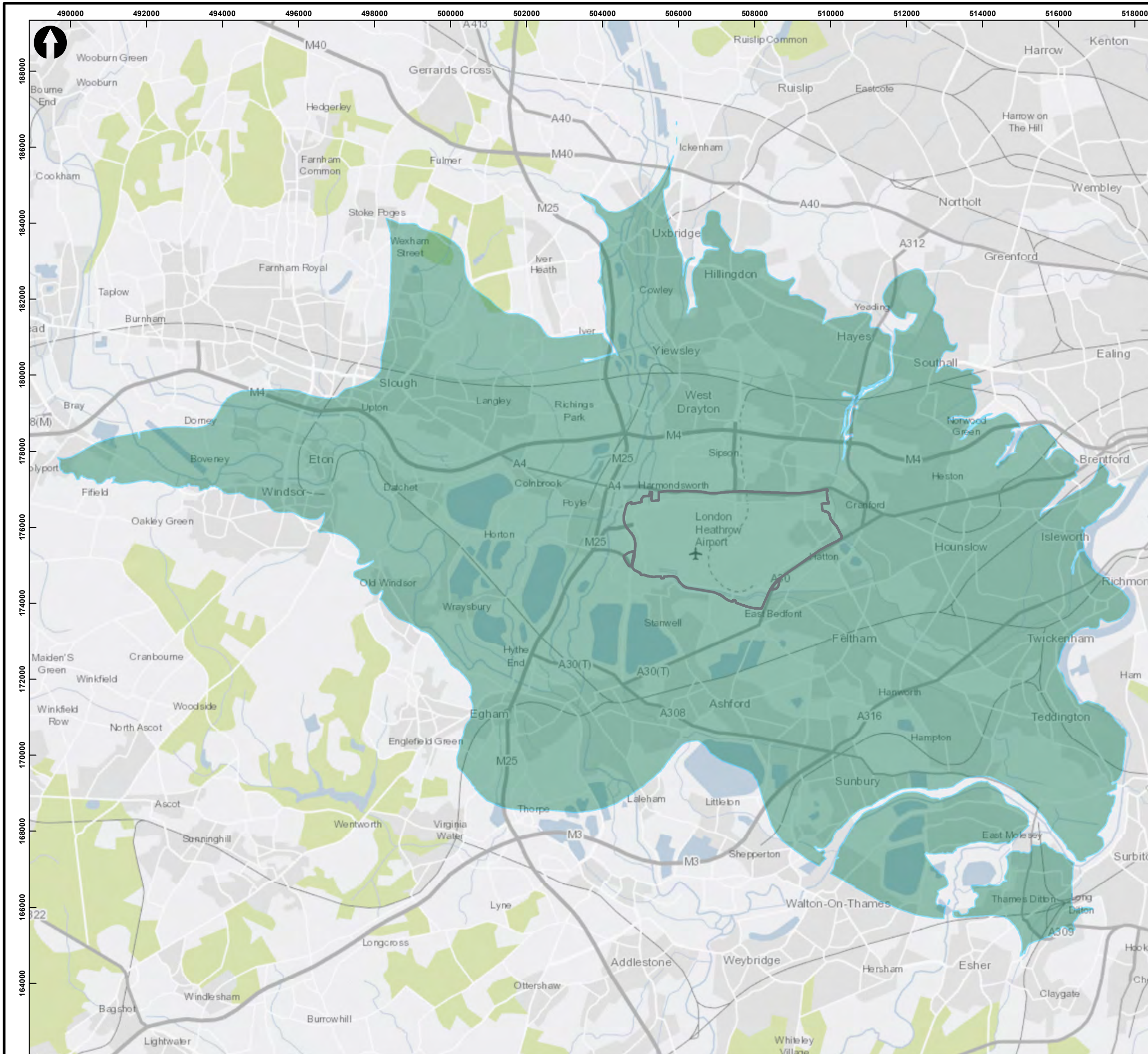
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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

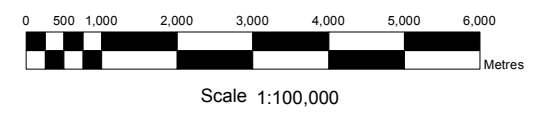
Title Figure 18.1.2: WFD surface water bodies				
Company Wood	Drawn By GREES	Chk/Approved WHITG	Drawn Date 10/05/2018	Status FINAL

Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000156				Version 1.0
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- Heathrow Planning Boundary
- Lower Thames Gravels WFD Groundwater Body



Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 18.1.3: Lower Thames Gravels WFD groundwater body

Company Wood	Drawn By GREES	Chk/Approved WHITG	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000157				Version 1.0

5. Step 1: Data collation to support the WFD assessment

5.1. Data collation – Project details

- 5.1.1. This stage will establish the nature of the proposed works, with regards to identifying the activities associated with the Project that would potentially impact WFD surface water and groundwater bodies. This includes the spatial footprint of the various activities, including any specific construction techniques or operational activities that would need to take place to support the presence of a design element, and the timescales and phasing involved in construction. From this point forward, these will collectively be referred to as ‘activities’.
- 5.1.2. Any relevant mitigation embedded within the Project design will also be identified. All elements of the design will be considered in the screening stage, including construction and operational activities.

5.2. Data collation – WFD baseline

- 5.2.1. The objective of the WFD baseline data collation is to establish the baseline condition of the water bodies within the Assessment Area in order to provide a robust understanding of their characteristics, function and interactions. This will inform the assessment of likely risks to the water bodies from the different elements of the Project, identify any future changes to the baseline, and help to indicate appropriate mitigation. The information required to establish the WFD water body baseline will be collated through both desktop and a field-based assessment.

Desk-based assessment

- 5.2.2. The objective of the WFD desk study is to collate and review the available environmental baseline information in relation to the WFD surface water and groundwater bodies that are likely to be affected by the Project. This information has been obtained from the Environment Agency, and other stakeholders.
- 5.2.3. The water body status and status objectives information for the relevant WFD water bodies in the Assessment Area have been derived from the Thames RBMP (2016 Cycle 2 Water Body Status Classification data¹²). These data are considered to provide the formal baseline against which the Environment Agency would assess compliance with the WFD.
- 5.2.4. Other datasets that will be used to further establish the nature and existing condition of those watercourses located within WFD water bodies included in the Assessment Area are listed in

¹² Environment Agency (2015), River Basin Management Plan *Thames River Basin District*, <https://www.gov.uk/government/collections/river-basin-management-plans-2015#thames-river-basin-district-rbmp:-2015>

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5.2.5. Table 18.1.2.

Table 18.1.2 Data sources to inform the WFD assessment, and purpose

Data / Source	Purpose
Ordnance survey (OS) mapping	OS mapping will be used to understand the spatial context of the water bodies and the interactions within the water environment. OS mapping will also be used as the base to collect spatial data in the field and to display baseline data. OS maps can also provide relevant information regarding locations of abstractions.
Historical OS mapping ¹³	Historical OS mapping will be used to identify past changes in the location of watercourses and water body catchments, and understand the context of their current conditions
Aerial photography ¹⁴	Assessment of the aerial photographs will help to characterise current conditions, especially in terms of riparian vegetation, and will inform the field survey strategy.
Protected Areas ¹⁵	This information will be used to identify European Protected Areas that could be affected by the proposed works and subsequently inform the field survey strategy.
Digital River Network (DRN) (Environment Agency)	The DRN, together with the OS, will be used to understand the spatial context of the water bodies and the interactions within the water environment and with other systems.
River gauge data (NRFA) ¹⁶	These data will provide information regarding the nature of flows in the different river water bodies
River Catchment characteristics (FEH, CEH) ¹⁷	These data will provide relevant information regarding the nature of the different river water body catchments and inform low-flow calculations
Bedrock and superficial geology (BGS)	These data will provide relevant information regarding the nature of the different surface and groundwater bodies and potential geological controls

¹³ Historical OS mapping <http://maps.nls.uk>; www.old-maps.co.uk (accessed 03 May 2018)

¹⁴ Aerial photography <http://www.google.co.uk/maps>; <http://www.bing.com/maps> (accessed 03 May 2018)

¹⁵ DEFRA Protected areas <http://magic.defra.gov.uk/MagicMap.aspx> (accessed 03 May 2018)

¹⁶ National River Flow Archive, available at <http://nrfa.ceh.ac.uk/data/station> (accessed 03 May 2018)

¹⁷ Flood Estimation Handbook, CEH, available at <http://www.ceh.ac.uk/services/flood-estimation-handbook> (accessed 03 May 2018)

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Licensed surface and groundwater abstractions (Environment Agency)	This information will be used to understand potential effects of abstractions on the baseline conditions of surface and groundwater bodies, as well as potential pathways to be considered when assessing WFD impacts
Unlicensed surface and groundwater abstractions (Local Councils)	This information will be used to understand potential effects of abstractions on the baseline conditions of surface and groundwater bodies, as well as potential pathways to be considered when assessing WFD impacts
Surface water quality data (Environment Agency and Thames Water)	This information will be used to understand the baseline condition of rivers, lakes and reservoirs.
Borehole water level and water quality monitoring (Environment Agency)	This information will be used to understand the nature and baseline condition of the groundwater body.

- 5.2.6. The baseline assessment will also include analysis of the low-flow characteristics of each watercourse, using the LowFlows 2000™ (2010)¹⁸ software. Low flows provide an area of continuously wetted habitat that helps to maintain ecological productivity with regard to populations of aquatic plants and animals. Furthermore, the low flow regime is important for maintaining physico-chemical water quality, including suitable water temperatures and dissolved oxygen concentrations. Note that low flow monitoring (described below) will provide additional detailed information regarding low flow hydrology.

Field-based assessment

- 5.2.7. A number of field-based assessments will be undertaken to inform the baseline characterisation of the water bodies in the Assessment Area, including a range of surveys and baseline monitoring.

Hydromorphology surveys

- 5.2.8. Hydromorphology surveys will be undertaken for all WFD water bodies within the Assessment Area. The surveys will collect data based on observations of the baseline geomorphological and hydrological processes, following the Fluvial Audit method (Annex 1). These data will significantly aid the understanding of the baseline condition of almost all of the WFD hydromorphology quality elements. Surveys will be undertaken throughout the Assessment Area, with detailed surveys within and immediately adjacent to the footprint of the Project. In addition, surveys will also be undertaken at other representative reaches within the water body catchments to obtain a broad water body baseline understanding. Targeted detailed surveys of a number of watercourses that are

¹⁸ LowFlows 2™ (2010), Wallingford: Wallingford HydroSolutions Limited
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judged by the Environment Agency to be in good condition will also be undertaken specifically to inform mitigation solutions and provide proxy conditions for future baseline.

Aquatic ecology walkover surveys

- 5.2.9. Aquatic ecology walkover surveys will be undertaken for all WFD water bodies within the Assessment Area. This will involve the ecological mapping of the watercourses within the geomorphology survey extent following River Corridor Surveys (RCS)¹⁹ and River Habitat Surveys (RHS)²⁰ methods. The surveys will highlight key channel features and habitat characteristics. This will include the assessment of the suitability of fish habitat (including spawning habitat) within the affected watercourses at and adjacent to the location of the Project. Mapping will be supplemented with a photographic survey of all key features identified.

Ecological monitoring

- 5.2.10. Monitoring of specific biological quality elements will be undertaken in all river waterbodies present in the Assessment Area. This will include the collection of baseline data with the following surveys being carried out:
1. Macrophyte surveys
 2. Macroinvertebrate surveys
 3. Fish surveys.
- 5.2.11. The results from the monitoring will allow for an understanding of communities' composition and sensitivity in the Assessment Area. In addition, the results will also inform the definition of mitigation that may be appropriate for the Project.
- 5.2.12. In addition, ecological data or reservoirs will include data collected by Thames Water including phytoplankton and macrophytes. This data will allow for an understanding of ecological status for these parameters as well as primary production.

Surface water hydrology monitoring

- 5.2.13. In order to characterise the low and high flow hydrological baseline, improve the accuracy of the available gauged information, and better understand the connectivity and interactions among the multiple channels in the Assessment Area, temporary flow gauges will be installed on the following watercourses:
1. River Colne
 2. Colne Brook
 3. Horton Brook
 4. The Poyle Channel
 5. Duke of Northumberland's River

¹⁹ National Rivers Authority (NRA), Guidance for river corridor surveys in the NRA, 1992

²⁰ Environment Agency, Environment Agency River habitat survey in Britain and Ireland, 2003
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6. Longford River
7. Wraysbury River
8. River Crane (this is subject to confirmation)
9. River Pinn
10. Fray's River
11. Hithermoor Stream flood relief channel.

5.2.14. This hydrological monitoring network, coupled with the increased understanding of the existing gauged record, will significantly aid the understanding of spatial and temporal baseline flow quantity conditions across the watercourse network within the Assessment Area.

Groundwater baseflow accretion monitoring

5.2.15. Two rounds of flow accretion surveys will be undertaken along the water bodies surrounding the current airport. The purpose of this work is to improve the conceptual understanding of the degree of hydraulic connectivity between the surface water system and the underlying gravel aquifer, by comparing the rates of baseflow accretion over short river reaches down the main river channels. Surveys will be completed during both high and low flow conditions to determine whether the degree of groundwater surface water interaction is related to prevailing flow and groundwater level conditions.

5.2.16. The understanding developed from these surveys will inform the calibration and validation of the numerical groundwater modelling tool. This model will be used to assess the impact of construction and long term operation of the Project on the groundwater flow regime, and therefore the connectivity between groundwater and surface water. This will include an assessment of any change in the magnitude and location of baseflow accretion to the river channels.

Groundwater level monitoring

5.2.17. In addition to the ongoing groundwater monitoring programme being undertaken close to the airport, additional groundwater level monitoring boreholes will be installed across a wider area within the surrounding gravel aquifer. The groundwater level data from these boreholes will be used, in conjunction with other data sources, to improve the characterisation of the water-table, its response to hydrologically effective rainfall and deriving principal groundwater flow direction.

Groundwater and surface water quality monitoring

5.2.18. In order to produce a robust evidence base to support the WFD assessment groundwater and surface water quality monitoring will be undertaken across over a number of locations. A proportion of these surface water monitoring points are located in principal WFD watercourses, mainly focussing on the River Colne, Colne Brook, Wraysbury River and the Duke of Northumberland's River. The groundwater monitoring points are located to the north and west of the

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airport and will provide samples for the Lower Thames Gravels WFD water body.

- 5.2.19. The data collected from both sets of monitoring will be used to provide information on the status of the WFD water bodies as well as providing calibration and baseline data to develop a surface water quality catchment model, which will be used to assess the likely impacts of the Project. Existing monitoring data collected by Thames Water for the lakes and reservoirs, together with groundwater quality monitoring data will be used to characterise the baseline condition of those waterbodies. Both the surface water quality catchment model and the approach to estimating lake and reservoir water quality are described in the Modelling Method Statement.

6. Step 2: WFD screening

6.1. Introduction

- 6.1.1. The screening assessment will consider the potential risk to WFD objectives as a result of the Project. It is designed to focus efforts on the parts of the Project that carry the most risk, and less effort on the parts that carry less risk. The screening assessment will draw on the relevant information associated with the Project and the WFD baseline data from the data collation stage.
- 6.1.2. Levels of risk will be identified utilising a combination of relevant information on the design of the Project, baseline data relating to the WFD water bodies that are likely to be impacted, and professional judgement. The results of the screening assessment will therefore identify the scope for detailed assessment of the likely impacts on WFD quality elements.
- 6.1.3. The screening assessment will comprise two key parts, including:
1. The potential impact of Project activities on current WFD status regarding 'no deterioration', including the identification of relevant surface water and groundwater WFD elements potentially affected by the residual impacts of each of the activities.
 7. The potential impact of Project activities on status objectives, including:
 - a. Screening of all relevant activities against Environment Agency surface water and groundwater body 'Reasons for Not Achieving Good' (RNAG) and 'Programme of Measures' (PoM) datasets, in order to identify where the Project poses a potential risk of worsening existing pressures responsible for status failures and/or adversely affecting or preventing the implementation of measures identified to address existing status failures. This will include any measures predicted to be implemented prior to the commencement of the scheme construction to ensure that they are included in the WFD baseline if relevant and to assess whether their success could be compromised by any of the elements of the scheme
 - b. The screening of all activities against the Environment Agency HMWB and AWB 'Mitigation Measure Assessments' (MMA), in order to identify where the Project poses a potential risk of precluding the ability of measures to mitigate the potential impacts of existing physical modifications and operational regimes to support the achievement of GES objectives. The screening will therefore assess whether the Project may conflict with work undertaken to facilitate the attainment of good status.
- 6.1.4. The screening will be based on a qualitative assessment utilising expert knowledge to assess potential risks from scheme elements to WFD objectives.
- 6.1.5. The qualitative screening will use hydromorphological, biological, water quality and groundwater expertise to assess potential risks to WFD quality elements

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and sub-elements from the scheme. The screening will assess the different activities in a matrix against the relevant individual water body quality elements, as shown in Table 18.1.3.

Table 18.1.3 WFD screening summary table, modified from Planning Inspectorate Advice Note 18 to enable screening of multiple activities

Water body ID	Water body	WFD Element	Activity 1 etc. e.g. River diversions	Activity 2 etc. e.g. Construction access track watercourse crossings
Unique GB code for waterbody	Name of waterbody	e.g. Hydromorphology: Quantity and dynamics of flow	Screened In/Out [insert rationale]	Screened In/Out [insert rationale]
		e.g. Biology: fish	Screened In/Out [insert rationale]	Screened In/Out [insert rationale]
		e.g. Physico-chemical: pH	Screened In/Out [insert rationale]	Screened In/Out [insert rationale]
		e.g. Groundwater: quantity	Screened In/Out [insert rationale]	Screened In/Out [insert rationale]

6.1.6. The assessment process will use an in/out system based on the risk of potential impact on WFD objectives as described below, and recommended by the guidance of the Planning Inspectorate¹⁰.

6.1.7. Activities that are considered to pose a risk of compromising the ability to achieve target WFD status will be screened in for the detailed assessment stage. Activities that are considered to present no or negligible risk to the achievement of WFD objectives will be screened out. All screening outcomes will be recorded and justified.

Potential impacts on current status

6.1.8. This part of the screening assessment stage relates to the 'no deterioration of current status' aspect of WFD compliance objectives.

6.1.9. The activities identified during the design development stage will be screened in order to identify the potential for WFD impacts. This will be undertaken by assessing each activity against the WFD quality elements as described above. Both beneficial and adverse potential impacts will be considered. The screening will therefore identify the relevant WFD quality elements that are at risk from each activity that need to be scoped into a detailed WFD assessment.

6.1.10. For surface water bodies, potential impacts will be identified for each of the surface water body WFD quality elements, as follows:

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1. Hydromorphological effects– considered in terms of likely changes in the quantity and dynamics of flow, river continuity (including existing restrictions such as sluices and weirs), river depth and width variation, structure and substrate and structure of the riparian zone.
 8. Physico-chemical effects– considered in terms of likely changes in the chemical composition of phosphate and ammonia, or, for lakes and reservoirs, nitrate, and for physical changes which cause variations in dissolved oxygen and temperature.
 9. Biological effects– considered in terms of likely change in composition and abundance of phytobenthos, macrophytes and macroinvertebrate communities and for fish on composition, abundance and age structure.
 10. Specific Pollutant effects– considered in terms of likely changes in the chemical composition of specific pollutants (e.g. copper, triclosan, zinc, etc.).
- 6.1.11. For groundwater bodies, potential impacts will be identified for each of the groundwater body WFD quality elements, as follows:
1. Quantitative effects – be considered in terms of the likely changes in groundwater levels, groundwater flows and the hydraulic regime, spring flows and rates of baseflow to surface waters
 11. Chemical effects - considered in terms of the likely changes in chemical water quality.

Potential impacts on the achievement of WFD status objectives

- 6.1.12. This part of the preliminary assessment stage relates to the ‘no prevention of status objectives’ attainment aspect of WFD compliance objectives. The screening will include all water bodies potentially impacted by the Project that are currently failing to meet their good ecological status / potential or good quantitative status objectives (with regards to surface water and groundwater bodies, respectively). Water bodies currently attaining good status will not be subject to screening for effects on the achievement of WFD status objectives, as they are already at target status.
- 6.1.13. Each of the activities will be screened against the WFD status elements of the relevant water bodies that are currently (at the time of construction) failing their good status objective under WFD, using the traffic light assessment described above. This will involve an assessment of whether the programme of measures derived to address failures; as identified by the Environment Agency within the 2016 Cycle 2 RBMPs, would be compromised by the Project. For A/HMWB water bodies, activities will be screened for effects on the mitigation measures identified by the Environment Agency in order for these water bodies to achieve GEP.

6.2. Assumptions and limitations

- 6.2.1. The WFD water body classification data used for the WFD assessment will be taken from the Environment Agency 2016 Cycle 2 Thames River Basin Management Plan (RBMP)²¹ data. These classifications are considered to provide the current best estimate of status and are the formal baseline against which the Environment Agency will assess compliance with the 'no deterioration' objective.
- 6.2.2. Consultation with the Environment Agency will identify any expected future changes to the current baseline WFD data.
- 6.2.3. Whilst it is assumed that the WFD baseline conditions during construction and operation of the Project will be improved relative to the baseline at that time, the WFD assessment proposes to use the current 2015 RBMP water body classifications as the basis of assessment.
- 6.2.4. Limitations with respect to design information will be identified. Where there is flexibility in the DCO application design the screening assessment will consider a reasonable worst case option. Where baseline data are limited, professional judgement will be used in the assessment utilising existing baseline data for other water bodies in the Assessment Area. The decision to screen any activities out will be fully justified.

²¹ Environment Agency, Thames River Basin Management Plan Cycle 2, 2016
Water Framework Directive Compliance Assessment
methodology
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7. Step 3. Detailed Assessment

7.1. Introduction

- 7.1.1. This section of the report presents the proposed process for the detailed Water Framework Directive (WFD) compliance assessment. The detailed assessment follows the screening stage. It will not consider activities or WFD water bodies that were screened out as low risk during the screening stage.
- 7.1.2. The aim of the detailed assessment stage is to consider the likely impacts associated with the Project and conclude on the risk of causing deterioration of WFD status, the type and extent of mitigation that may be required in order to avoid the risk of deterioration and, where applicable, the risk of preventing the achievement of good overall status.
- 7.1.3. The detailed assessment methodology is structured as follows:
1. Section 8.2 provides the context for why a WFD detailed assessment will be necessary.
 2. Section 8.3 provides the principles for defining the appropriate temporal and spatial scales.
 1. Section 8.4 provides the proposed approach for assessing the risk of deterioration, followed by the outline methodology to be utilised in each case for hydromorphology and ecology (section 8.5), water quality / chemical status (section 8.6) and groundwater (section 8.7).
 2. Section 8.9 provides the proposed approach to assessing the risk of the Project preventing the achievement of good status.
 3. Section 8.8 provides some principles that will underpin the selection of appropriate mitigation of likely impacts associated with the Project
 4. Sections 8.9, 10, and 11 discuss the proposed approach to assessing cumulative impacts, the use, if required, of Article 4.7 of the WFD, and the interplay between sites that are designated as Protected Areas under the WFD.

7.2. Scale of impact

- 7.2.1. WFD assessments are based on the principle of identifying likely impacts associated with a development that are both non-temporary and sufficient in magnitude to be identified at the 'water body scale'.
- 7.2.2. It is therefore necessary to define the relevant spatial scales that present a risk of deterioration and/or the achievement of good status. Likely impacts that may be sufficient to cause deterioration of any WFD quality element 'at the water body scale' may be non-compliant with the WFD unless the conditions set out in Article 4.7 could be satisfied. However, for most WFD quality elements, there is no universally accepted guidance available to indicate the scale of impact that would allow such a conclusion to be derived. Therefore, some working definitions will be provided in order to understand the significance of spatial

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impact and therefore inform a conclusion on the risk of an activity causing deterioration.

- 7.2.3. Similarly, impacts are considered to be temporary, and therefore not to constitute deterioration of WFD status, if the water body would²²:
1. Be impacted only temporarily for a short period of time
 2. Recover within a short period of time and/or
 3. Recover without the need for any mitigation.
- 7.2.4. However, for most WFD quality elements, there is no universally accepted temporal threshold or guidance available to indicate what constitutes a 'short period of time', and therefore what is a temporary/acceptable period of deterioration.
- 7.2.5. Fluctuations in the condition of water bodies can sometimes occur as a result of short-duration human activities, such as some construction or maintenance works. It is therefore necessary to provide a working definition in order to understand the temporal nature of any likely impact and therefore inform a conclusion on the risk of an activity causing deterioration.

7.3. Assessing risk of deterioration

- 7.3.1. The diverse nature of and monitoring approaches for the different WFD quality elements necessitates that bespoke assessment approaches are developed for each. The detailed assessment methodology is therefore based on the different requirements for:
1. Hydromorphology and ecology
 2. Water quality
 3. Groundwater

- 7.3.2. The following sections describe the proposed approaches for each.

7.4. Hydromorphology and Ecology

- 7.4.1. Hydromorphology and ecology are intrinsically linked in so far as hydromorphology provides the physical habitat for fish, macrophytes and invertebrates to live and thrive. As such, understanding the likely impacts on hydromorphology, as a result of new physical modification associated with the Project, is a key step in undertaking a WFD compliance assessment. This section is associated with river water bodies only, as they are the only surface water body category that are expected to experience changes to hydromorphology.
- 7.4.2. It is necessary to understand scale and severity of likely impacts on hydromorphology in order to decipher the potential ecological response to altered habitat conditions. This understanding will inform the identification of the

²² European Commission, Common Implementation Strategy for the Water Framework Directive (2000/60/EC). Guidance Document No. 20, 2009
Water Framework Directive Compliance Assessment methodology
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appropriate type and scale of mitigation that may be necessary in order to be able to demonstrate that the net effect of the suite of Project activities will not result in deterioration of the baseline WFD ecological status / potential.

Measuring impact

- 7.4.3. An approach that quantifies the spatial scale of impacts that may occur within a WFD water body is necessary in order to make an initial judgement on the extent of the impact in respect to the scale of the WFD water body. Understanding spatial impact also facilitates a clear definition of the spatial extent of mitigation that may be required in order to manage likely impacts to an acceptable level such that they would not result in deterioration.
- 7.4.4. The calculation of impacted channel length will be measured using the criteria provided in the Environment Agency's position 488_10. This includes the full extent of upstream and downstream impact and will be undertaken for each individual hydromorphology and ecology quality element listed in Annex 5 of the WFD, in recognition that different activities will have a different scale of impact depending on the quality element in consideration. Where the upstream/downstream extent of the impact of an activity on a quality element is uncertain, an additional buffer length (based on the type of activity) may be added to account for uncertainty. Where this is the case, evidence will be presented to demonstrate the appropriateness of the buffer distance applied.
- 7.4.5. In the case of likely impacts to the riparian zone, should both banks be affected, the combined length of the two river banks will be the total impact length for the activity.
- 7.4.6. If the same type of activity is being undertaken intermittently but is separated by a distance of less than 200m, the total combined channel length will be measured (i.e. including the intermediate gaps). Where the same activity is separated by a distance of greater than 200m then the two activities will be measured separately.
- 7.4.7. However, the Environment Agency's 488_10 guidance does not help in the understanding of how important a given length of impact may be at the water body scale. In order to address this shortcoming, the next step will be to calculate the channel length that may experience the impact as a percentage of the length of the 1:50,000 Ordnance Survey (OS) river network within the WFD water body catchment. This will ensure that impacts are assessed using robust data that reflect the genuine length of watercourse network within the water body catchment, rather than using the arbitrary WFD 'blue line' which represents only the length of trunk watercourse/s with a catchment.
- 7.4.8. The total length of the 1:50,000 OS river network for each relevant WFD water body in the Assessment Area is presented in Table 18.1.4, along with a comparison of the WFD 'blue line' length. The table also demonstrates the difference between more 'natural' water bodies, that have an associated hydrological catchment, and the artificial surface water transfer channels which

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do not have a catchment drainage network. Note that this approach is only relevant to rivers (as listed in Table 18.1.4), as ecological response to hydromorphological impacts would only be relevant in this context. Ecological response to water quality impacts in rivers, lakes and reservoirs is discussed in Section 7.5 below.

Table 18.1.4 Water body river network length for surface water bodies in the Assessment Area. Water body line length is also provided for comparison purposes. Please note that water transfer and canal water bodies do not have an associated water body catchment

WFD water body name	WFD water body line length (the 'blue line')	WFD water body catchment area	WFD water body catchment 1:50K OS river network length	Ratio of river network :blue line
Colne (conf Chess to River Thames)	51.49km	89.32km ²	133.92km	2.60
Colne Brook	15.21km	10.03km ²	29.12km	1.92
Colne (from Confluence with Ver to Gade)	21.27km	65.33km ²	77.51km	3.64
Chess	20.13km	94.98km ²	37.54km	1.86
Misbourne	27.04km	91.55km ²	38.92km	1.44
Pinn	19.89km	45.81km ²	68.34km	3.44
Ver	28.25	146.35 km ²	62.23	2.20
Gade (conf. Bulbourne to Chess)	15.02	72.47 km ²	28.3	1.88
Crane	13.73km	57.11km ²	31.40km	2.29
Horton Brook	19.72km	25.66km ²	44.53km	2.26
Portlane Brook	7.22km	23.27km ²	10.06km	1.39
Surrey Ash	11.13km	19.01km ²	122.34km	2.03
Thames (Cookham to Egham)	30.06km	65.88km ²	152.72km	5.08
Thames (Egham to Teddington)	31.32km	44.82km ²	72.35km	2.31
Upper DNR	10.57km	n/a	10.57km	1.00
Longford River	16.14km	n/a	16.14km	1.00
Lower DNR	4.13km	n/a	4.13km	1.00

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Grand Union Canal (Uxbridge to Hanwell Locks, Slough Arm, Paddington Arm)	45.50km	n/a	45.50km	1.00
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Assessing the importance of the impact at the water body scale

- 7.4.9. The percentage of water body length that would be impacted by each activity would be used to inform an initial assessment of the level of impact. This is an important step that is required in order to understand the different levels of risk that may be associated with various different activities and ultimately the type and extent of mitigation that may be required to address the impact.
- 7.4.10. Specific percentage thresholds will be proposed to define whether the level of impact would be negligible, low, medium or high, as shown in Table 18.1.5.
- 7.4.11. In addition, and taking into consideration the likely continuous length of impact of some activities and the variable sizes of water body networks, it is proposed that absolute threshold lengths are also used as an additional metric for an initial classification of the levels of likely impact shown in Table 18.1.5. As such, it is proposed that the lowest value (i.e. whichever of the percentage and absolute length values is shortest) will be used to define the level of impact.
- 7.4.12. Both spatial thresholds (percentage of the water body and absolute impact length) are currently being consulted upon with the EA. They will be presented along with an initial outline WFD assessment as part of the section 42 consultation.

Table 18.1.5 Traffic light rating proposed to assess likely impact of Project activities on WFD objectives.

Likely impact	Threshold (total % of WFD catchment river network length affected or absolute length)
Negligible (No or negligible measurable impact on status for the quality element)	An appropriate percentage and/or absolute channel length that is commensurate with negligible impact
Low (localised impact when taken on its own – unlikely to impact status of the quality element)	An appropriate percentage and/or absolute channel length that is commensurate with low impact
Medium (may affect status for the quality element)	An appropriate percentage and/or absolute channel length that is commensurate with medium impact

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High (adverse impact is likely to be of sufficient scale to impact on the status of the quality element)	An appropriate percentage or absolute channel length that is commensurate with high impact
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Assessing the sensitivity of the water environment at the point of impact

- 7.4.13. Along with an understanding of the spatial scale of likely impacts it is also necessary to consider the sensitivity of the part of the water body that is being impacted in order to conclude the extent to which the impact is important at ‘the water body scale’. Impacts are likely to differ depending, for example, on whether important habitats for the status of a water body are affected by an activity. Therefore, it is necessary not only to consider the extent of the likely impact (Table 18.1.5) but also the sensitivity of the watercourse that would be affected. For example, for the same activity and length of impact, the overall effects might be different for modifications in sections of a water body without significant value for the ecosystem, compared to ‘very sensitive’ stretches hosting key habitats e.g. for spawning of a certain fish species.
- 7.4.14. In this context, it is necessary to provide criteria to demonstrate whether or not an activity would impact a ‘very sensitive’ reach that is considered to be of fundamental importance to the ecological health of the WFD water body. The criteria for determining what constitutes a ‘very sensitive’ reach will be presented in the outline WFD assessment that will be an appendix to the Preliminary Environmental Information Report (PEIR). This will be based on analysis of baseline hydromorphology and ecology survey data and further discussion with stakeholders.
- 7.4.15. It is proposed that all Project impacts within these very sensitive reaches would be automatically classified as high impact in accordance with the definition set out in Table 18.1.5, regardless of their spatial extent.

Assessing whether the impact is temporary or permanent

- 7.4.16. Further to considering the scale of impact and the sensitivity of watercourse that would experience the impact, the final consideration to make before deciding on the appropriate type and extent of mitigation is whether the impact would be temporary or permanent.
- 7.4.17. ‘Short duration’ temporary impacts due to works during the building phase of the Project may not require mitigation if no deterioration of status or potential could be expected thereafter in the water body, or parts of the water body. Unfortunately, there is no definition for ‘short duration’ or ‘temporary’ in the context of WFD compliance. Available guidance hints at the frequency of monitoring programmes as a means of indicating what could be considered as temporary. It suggests that if deterioration could be traced during the WFD monitoring cycle such that it would need to be reported in the subsequent

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RBMP, then this would be considered to be permanent deterioration. In this case, the latest RBMP will provide the official baseline from which deterioration will be assessed rather than the results of any within-cycle (e.g. annual) monitoring.

- 7.4.18. However, this principle introduces a temporal bias. Impacts that occur before a cycle of monitoring for publication in the subsequent RBMP would be far more likely to lead to 'permanent' deterioration compared to impacts that occur after the publication of a RBMP.
- 7.4.19. In order to address this bias it is proposed that, for the hydromorphology and ecology quality elements, temporary impacts will be considered to be those where there is evidence (to be established in the PEIR and ES) to suggest that the baseline condition of the water environment would re-establish within three years from the commencement of works. This follows the precedent of previous large infrastructure projects of national importance (e.g. High Speed Rail²³). For example, if there is evidence to indicate that a temporary river diversion would impact all quality elements other than water quality for a period of less than three years before the watercourse is restored to its original course and baseline condition, this impact would be considered temporary. It is proposed that any impact of longer duration than three calendar years from the commencement of works would be considered permanent.
- 7.4.20. Using this definition, appropriate mitigation would be implemented for any activity that would have a likely impact of greater than three calendar years duration, regardless of whether the activity is temporary or permanent. The appropriate type and amount of mitigation would be proportionate to the level of impact and the sensitivity of the watercourse that would be impacted, following the approach presented above. Provision of offset mitigation would not be required for such temporary impacts. However, activities that result in temporary deterioration would include the same design mitigation as all other activities such that the overall residual impact would be as low as possible.

7.5. Water quality / Chemical Status

- 7.5.1. The assessment of likely surface water quality (chemical and physico-chemical) impacts will consider both river and lake water bodies. Subsequent impacts on aquatic plants in lakes are expected to be derived from these.
- 7.5.2. In order to provide sufficient data to support the WFD assessments, water quality modelling will be undertaken to clarify the current baseline and then potential future impacts, specifically to answer two main objectives:

²³ HS2, High Speed Rail (West Midlands – Crewe) Environmental Statement Volume 5: Technical appendices. Environmental Impact Assessment Scope and Methodology Report Addendum (CT-001-002) Part 2. Annex N: Water and Flood Risk – Technical notes, 2017

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1. Establishing the baseline water quality of the river catchments in order to assess the impacts of changes in nutrients and chemicals. This will help with the assessment of compliance against relevant water quality Environmental Quality Standards (EQSs) including Water Framework Directive (WFD) standards; and
 2. Establishing baseline nutrient budgets of relevant lakes and reservoirs and to assess the likely impact of changes in their nutrient concentrations and loadings due to the Project. This will help with the overall assessment of the impacts on the Southwest London waterbodies Special Protected Area (SPA).
- 7.5.3. For these objectives two water quality models will be used. River catchment modelling will use both the SAGIS and Simcat models, which will be employed on the following rivers:
- Colne (including River Colne, Horton Brook, Wraysbury river, Colne Brook and Ash river)
 - River Crane
 - River Thames.

The lake modelling will involve development of conceptual models for reservoirs and lakes that get scoped into the detailed assessment. Full details of the modelling approach are provided in the Surface Water Quality Modelling Method Statement (Appendix 18.3).

- 7.5.4. The bulk of the detailed assessment for water quality will be focussed on river water bodies, as they are likely to be subject to more direct water quality impacts as a result of the Project. The overall objectives for the modelling for the river water body impact assessments will be to ensure that any likely impacts on water quality from the Project are compliant with relevant regulatory objectives. This will be achieved by demonstrating that:
- The Project will not lead to a breach of any relevant EQS's (e.g. annual averages or maximum allowable concentrations) or significant deterioration in concentrations of water quality determinands beyond those covered by the WFD (e.g. nitrates in freshwaters)
 - The Project will not cause deterioration in WFD class of any water quality element either within the lifetime of the Project or beyond
 - There will be less than 10% deterioration in water quality within WFD class (an aspirational target set by the Environment Agency for water quality assessments)
 - The Project will not prevent downstream water bodies from reaching Good Ecological Status or Potential.
- 7.5.5. In order to ensure that the baseline SIMCAT model and final assessment are robust three steps will be undertaken, including:

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- Initial calibration: This will involve ensuring all the baseline data in the model, at sample point and water body level, is up to date and represents the current WFD classifications
 - Final calibration: This will involve ensuring all new sample data for metals and chemicals to be assessed are included in the model
 - Modelling: At this stage two runs of model scenarios will be assessed for the Project looking at the construction and operational phases of the development.
- 7.5.6. Having developed and calibrated the catchment model, the river network in the SIMCAT model will be changed to reflect the proposed watercourse configuration that is required as a result of the Project. This is expected to include:
- Physical changes to watercourses
 - New channels
 - Land use changes
 - Changes to or new discharges/abstractions.
- 7.5.7. It is anticipated that the SIMCAT model developed to represent the construction phase of the development will simulate a modified version of the existing, baseline river network, taking into account the locations of watercourses that may be diverted during construction activities. The SIMCAT model of the operational phase of the development will represent the river network as it will be on completion of construction and as described in the final DCO design.
- 7.5.8. For lakes and reservoirs a simpler approach will be employed, based on the development of a conceptual model of each waterbody (i.e. the principal sources of nutrient inputs to each waterbody). These are likely to include:
- Nutrients in water pumped into the waterbody (e.g. for storage reservoirs);
 - Direct runoff from the catchment to the lake or reservoir;
 - Inputs in groundwater (where hydraulically connected to groundwater);
 - Inputs from birds and fish;
 - Atmospheric deposition.
- 7.5.9. These inputs, only some of which are likely to be relevant for each lake or reservoir, will be estimated from water quality data and literature values. Nutrient retention will be estimated using equations described in the literature. Potential changes in nutrient water quality in lakes or reservoirs due to changes in inputs (e.g. changes in rates of atmospheric deposition) will then be assessed relative to the baseline condition.
- 7.5.10. The outputs from the modelling will be assessed against the criteria noted above (section 4.4.4) at both the sample point and water body scale. The

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results will be presented both graphically and spatially to allow for appropriate identification of locations that may require mitigation.

- 7.5.11. For both rivers and lakes/reservoirs the effects of likely changes in water quality on aquatic ecology receptors will be evaluated. Ecological data collected will be used to derive ecological EQSs. In particular the effects of likely changes in nutrients on primary producers (macrophytes in rivers and lakes and phytoplankton in lakes) will be discussed based on literature.
- 7.5.12. Specifically, any changes in water quality nutrients and chemicals below the thresholds noted in 7.5.4 will be considered not likely to result in a significant effect on biological quality elements and not likely to result in a deterioration in WFD class of any biological quality element.

7.6. Groundwater

- 7.6.1. The assessment will determine likely impacts on groundwater level and quality from the Project activities. To support the WFD assessments, groundwater monitoring (baseflow accretion surveys, groundwater level and groundwater quality monitoring) will be undertaken in order to provide a clear understanding of baseline conditions and to inform and calibrate the groundwater model.
- 7.6.2. Having developed and calibrated the groundwater model on measured site conditions, it will then be used to assess the effects of Project engineering structures and activities on WFD groundwater quantitative and qualitative status and status objectives. The impacts will be quantified using a carefully defined set of scenarios that represent the engineering features of the Project.
- 7.6.3. The activities and how they will be represented by the model will be discussed and agreed with the key stakeholders as the work develops. Consultation with will also be necessary to determine how the level of impact will be classified. It is expected that WFD quantitative and qualitative impacts will be listed against the different activities of the Project.
- 7.6.4. Impacts on groundwater quantity could include:
 - 1. Water table recharge reductions.
 - 2. Changes in groundwater levels and flow direction due to dewatering during construction.
 - 3. Changes in groundwater flow as a result of the construction of low permeability barriers below the water table as well as high permeability 'drainage'.
 - 4. Lowering of groundwater levels to below the existing water table.
- 7.6.5. The impacts could be reflected by the WFD in a number of ways by WFD quantitative and chemical sub-elements, for example changes in groundwater levels from the baseline condition, changes in groundwater inflow and outflows to surface water and/or changes to existing groundwater quality conditions.

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- 7.6.6. Groundwater WFD quantitative and chemical elements will be considered against the proposed Project activities, providing an assessment of the impacts of each activity. The assessment will need to consider whether such impacts are likely to cause deterioration on the groundwater WFD parameters. Therefore there is the requirement to assess whether an activity could cause:
1. Any measurable change to groundwater levels or quality
 2. Impacts on groundwater levels or quality and whether these are of a localised or temporary nature and whether they would impact on groundwater body status
 3. Impacts that would have an adverse effect on WFD elements of groundwater levels or quality but would be unlikely to change status at the water body scale.
 4. Impacts that would have an adverse effect on WFD elements of groundwater levels or quality and are likely to change status at the water body scale.
- 7.6.7. Where an impact that could cause deterioration is identified relevant mitigation measures to reduce the impacts will be assessed.
- 7.7. Assessing the risk of preventing the achievement of good status**
- 7.7.1. As well as implementing a method of WFD assessment that is aimed at preventing deterioration of baseline WFD status, it is also necessary to consider whether the Project will compromise any measures required to facilitate the achievement of the target water body status. Along with 'no deterioration', this is the other headline principle of the WFD.
- 7.7.2. In order to address the risk of failure to achieve good status/potential, it is first necessary to understand the reasons why each of these water bodies do not currently attain these conditions. Second, it is necessary to understand the actions that have been identified by the Environment Agency that are required for the water bodies to attain good status/potential.
- 7.7.3. Most water bodies in the Assessment Area are either Artificial or Heavily Modified, and do not currently achieve good ecological potential. These water bodies have a series of WFD Mitigation Measures that need to be implemented in order for the water body to achieve GEP. Biological quality elements that are not sensitive to the human use for which the water body has been designated as a A/HMWB will also have specific measures that need to be addressed in order to facilitate conditions that are equivalent to good ecological status. These are all included within the WFD Programme of Measures for the Thames RBMP.
- 7.7.4. For example, if a water body is failing to achieve good status for fish, and this is known to be due to barriers to fish migration in the catchment, the measures to address the pressure are likely to seek to remove barriers to fish migration. The WFD programme of measures will specify how this is to be achieved in practice, and whether there are specific barriers that need to be removed. In such a

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case, if the Project were to install a new permanent barrier to fish passage, then it would be precluding or at best restricting the ability of the mitigation measure to be delivered. It would therefore result in a high risk of failure to achieve GEP in the water body. If this situation could not be prevented, then it would result in the Project being non-compliant with the WFD and therefore trigger the requirement for an Article 4.7 assessment.

- 7.7.5. For every water body in the Assessment Area, the Environment Agency Programme of Measures would be screened to determine if the Project presents any conflicts with any of the measures and conversely whether there are opportunities as part of the Project to facilitate the delivery of any measures. If the Project presents a risk/opportunity then they will be considered as part of the detailed assessment. In such cases, appropriate dialogue will take place with the Environment Agency and other stakeholders so that effort is made to avoid conflicts with, and take opportunities to deliver, the measures. All such cases will be reported in the WFD assessment.

7.8. Mitigation

- 7.8.1. The assessment of likely impacts as a result of Project activities will facilitate an understanding of the requirements for mitigation to both prevent deterioration and/or ensure that the Project does not compromise the ability of the relevant water bodies to achieve GES/GEP.

Hydromorphology and ecology

- 7.8.2. Mitigation will be incorporated into the Project in two main ways, falling under the categories of 'embedded mitigation' and 'additional mitigation'. Further definition of these terms is provided in section 3.7 of the Scoping Report.
- 7.8.3. The design of all Project infrastructure to be located within rivers or that would have an impact on rivers will be undertaken, as far as practicable, in a way that works with natural processes. As such, 'embedded mitigation' would aim to provide post construction hydromorphological conditions that are at least as good, if not better, than the current baseline hydromorphological conditions (i.e. pre-construction).
- 7.8.4. In situations where the required level of design mitigation is either not possible or impracticable, and/or where the scale/location of the impact of new physical modification is sufficient to present a non-temporary risk to WFD objectives at the water body scale, then the Project would provide 'additional mitigation'. This would seek to improve an appropriate amount of the water body in order to 'offset' the impact of the physical modification. The type and extent of additional mitigation would need to be both equivalent to the WFD quality elements that were affected and appropriate in scale to offset the extent of the impacts, as outlined in Table 18.1.6.

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Table 18.1.6 Traffic light rating proposed to assess the likely impact of Project activities on WFD objectives, and subsequent mitigation that would be provided. See also Table 18.1.5

Likely impact	Threshold (total % of WFD catchment river network length affected or absolute length)	Approach to mitigation of impact
Negligible (No or negligible measurable impact on status for the quality element)	An appropriate percentage and/or absolute channel length that is commensurate with negligible impact	Requirement of environmental best practice and embedded mitigation only (i.e. mitigate the effect at source through design mitigation and environmental best practice). If this is not possible, then an appropriate amount of offset mitigation would be provided.
Low (localised impact when taken on its own – unlikely to impact status of the quality element)	An appropriate percentage and/or absolute channel length that is commensurate with low impact	
Medium (may affect status for the quality element)	An appropriate percentage and/or absolute channel length that is commensurate with medium impact	Embedded mitigation and environmental best practice plus additional mitigation . This would provide appropriate improvements elsewhere in the WFD water body that are proportionate to the WFD quality elements that would be impacted by the Project.
High (adverse impact is likely to be of sufficient scale to impact on the status of the quality element)	An appropriate percentage or absolute channel length that is commensurate with high impact	

- 7.8.5. The ultimate aim of the detailed assessment is to identify the requirement for mitigation so that the WFD assessment can implement measures to ensure no net deterioration for all Project activities. In order to identify these requirements it is necessary to measure the scale of the impacts, the sensitivity of the lengths of watercourse affected, and whether the impacts are be temporary or permanent. The approach for undertaking these steps is presented below.
- 7.8.6. In the case of moderate and major impacts on hydromorphology and ecology, it is proposed that both embedded mitigation and additional mitigation would be proposed in order to increase the level of confidence that the associated

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activities would not compromise WFD compliance (Table 8-3). In such cases, additional mitigation to address impacts associated with activities would be specifically tailored to address the impacted WFD quality elements that would experience the moderate/major impacts. Low and negligible impacts are proposed to be addressed through embedded mitigation only. However, in the event that it is not possible or practicable to mitigate for the impacts through the design alone (e.g. a well-designed culvert would not be able to provide appropriate lateral connectivity between the river and the floodplain), an appropriate amount of additional mitigation would also be provided. The process of determining what is an 'appropriate' amount of mitigation is currently being consulted upon with the Environment Agency.

- 7.8.7. This proposed approach is intended to ensure that the mitigation would be sufficient to prevent deterioration.
- 7.8.8. A study of potential for additional mitigation opportunities within the Assessment Area is ongoing and an initial approach was shared with the Environment Agency in September 2017. Additional potential mitigation opportunities will be discussed with stakeholders and refined during 2018.

Upper Duke of Northumberland's River and Longford River

- 7.8.9. The Upper Duke of Northumberland's River and the Longford River are Surface Water Transfer bodies and, as such, they do not have an associated WFD water body catchment. This means that there is unlikely to be sufficient river channel elsewhere in the water body to improve as part of the additional mitigation that may be required in these water bodies. So, although embedded mitigation may contribute to a net improvement compared to the modified baseline channels, it may not be possible to accommodate additional mitigation within these water bodies. In order to address this inconsistency it is proposed that if additional mitigation is required to address likely impacts in the Upper Duke of Northumberland's River then this would be provided within the Colne and/or the Crane WFD water bodies as an alternative. The same principle would be applied for any likely impacts on the Longford River that may require additional mitigation and in that case the Colne would provide the donor water body. These adjacent water bodies are hydrologically connected to Longford River and Duke of Northumberland's River and therefore are considered to be appropriate locations for the provision of satisfactory additional mitigation.

Water quality

- 7.8.10. Mitigation to protect surface water quality will be determined based on any likely impacts identified as a result of the modelling approach presented in section 8.5. It is expected that environmental construction best practice will provide sufficient mitigation for some construction related impacts. However, for all phases of the Project, where modelling or water quality assessments indicate likely significant impacts on water quality, the location and type of impact will be fed into the wider WFD mitigation plan to ensure that appropriate measures can

Internal

be put in place (e.g. if modelling indicates that there is an increased risk of failure due to land use changes then the stretches of river at risk will be highlighted for measures such as buffer strips in order to minimise or remove the pathway for the source of the impact and the watercourse in question).

7.9. Cumulative and in-combination impacts

- 7.9.1. It is possible that multiple impacts associated with the Project could, result in 'in combination' impacts on WFD objectives. Furthermore, Project activities could, along with pressures as a result of new developments, cause 'cumulative' impacts on WFD objectives.
- 7.9.2. In the case of in combination effects, the approach set out in section 8.8 outlines the intention for all activities resulting in any likely impact to be fully mitigated through either embedded mitigation and, if appropriate, additional mitigation elsewhere in the WFD water body catchment. Adhering to this principle would mean that the sum of impacts associated with all Project activities should, in theory, result in no in combination effects that compromise the objectives of the WFD.
- 7.9.3. An assessment of cumulative impacts as a result of other new developments with the Assessment Area will be presented as the EIA progresses.

8. Article 4.7

- 8.1.1. If the WFD compliance assessment finds that the Project will compromise compliance and no appropriate mitigation is practicable to prevent it, the appropriate steps will be taken and information provided to justify permitting the development under Article 4.7 of the WFD.
- 8.1.2. Article 4.7 of the WFD directs that Member States will not be in breach of the Directive when failure to meet its environmental objectives is the result of either new modifications to the physical characteristics of a water body, or as a result of new human sustainable development on the proviso that the modifications or new development proposed are compliant with four key conditions. In so doing, Article 4.7 provides a means whereby a derogation for a proposed modification or sustainable development may be granted where it meets these four conditions. The Article 4.7 process can also be applied in the case of water body impacts that will prevent achievement of the WFD's environmental objectives.
- 8.1.3. In summary, the provisions of Article 4.7 will only apply where:
 - 1. Failure to meet good groundwater status, GES or GEP or to prevent deterioration in status arises from new modifications to the physical characteristics of the water body or alteration of groundwater levels; or
 - 2. Failure to prevent deterioration from high to good overall status of a surface water body is the result of new sustainable human development activities.

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- 8.1.4. Whilst paragraph 5.182 of the draft NPS stipulates that aim is for the Project to avoid the use of Article 4.7, if the assessment shows that the scheme will not be compliant with these WFD requirements, then documentation will be prepared to justify permitting of the development under the provisions of Article 4.7 of the WFD. This would only be applicable if the project were to compromise WFD objectives as a result of modifications to the physical characteristics of any water bodies within the Assessment Area, and would need to demonstrate that all of the following conditions are met:
1. All practicable steps have been taken to mitigate adverse impact on the status of the water body;
 2. The reasons for the modifications or alterations, or for the sustainable development activities, are of overriding public interest;
 3. The benefits to the environment and to society of achieving the environmental objectives are outweighed by the benefits of the new modifications or alterations, or of the sustainable development activities, to human health, to the maintenance of human safety, or (in the case of modifications or alterations) to sustainable development; and
 4. the beneficial objectives served by the modifications or alterations, or by the sustainable development activities, cannot, for reasons of technical feasibility or disproportionate cost, be achieved by other means which are a significantly better option.
- 8.1.5. If the above conditions can be met then the reasons for the modifications or alterations, or for the sustainable development activities, must be set out and explained in the RBMP.
- 8.1.6. The relevant permitting authority in relation to each application for permission to proceed with the project is responsible for deciding whether the Article 4.7 conditions have been met, if the use of Article 4.7 is invoked. In the case of the Project, the key permitting authority is the Secretary of State.
- 8.1.7. If this situation arises, the design process will ensure that the necessary demonstration and audit trail to meet the requirements of Article 4.7 would be presented.

9. Other legislation

- 9.1.1. The WFD compliance assessment work is being undertaken in close communication with other design and water environment impact assessment work. More detailed information on other relevant legislation related to the water environment is provided in the following documents: Chapter 6 Biodiversity (including outline Habitat Regulations Assessment), Appendix 6.5 Biodiversity Offsetting Strategy, and Chapter 8 Water Environment.



Appendix 18.2

Numerical Groundwater Modelling Method Statement

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report



Heathrow Expansion
Numerical Groundwater Modelling
Method Statement

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Internal

Heathrow Expansion Project: Numerical Groundwater Modelling

Method Statement

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ARUP ATKINS JACOBS



Heathrow

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Stakeholders (Internal)

Name	Role
Heathrow Airport Ltd	
Task Order 5.1 River Diversions	
Task Order 5.3 Environmental Impact Lead	
Task Order 5.3 Land Quality	
Task Order 5.3 Water Resources	
Task Order 5.3 Hydrology	
Task Order 7.0 Earthworks	

Stakeholders (External)

Name	Role
Environment Agency	Regulator – water resources, groundwater quality, WFD compliance

Name	Role
Natural England	Advisor to the Regulator with regards to groundwater dependency of terrestrial ecosystems

Checked by: Name: [REDACTED]

Role: TO5.3 Natural Environment Workstream Lead

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1. Executive Summary

- 1.1.1. The conceptualisation and numerical simulation of groundwater movement and its interaction with surface water are required to support the Environmental Statement (ES) and forthcoming Development Consent Order (DCO) submission for the Heathrow Expansion Project.
- 1.1.2. The ES will require quantitative assessments of the effects of construction and operation on the groundwater environment and any associated receptors. Hydrogeological conceptual and numerical models provide the best available tools to make these assessments, with the additional benefit of helping to quantify uncertainty and hence improve confidence in the impact predictions.
- 1.1.3. Making as much use as possible of the geological, groundwater and other environmental datasets is regarded as a key activity. Obtaining early agreement from key stakeholders regarding the detailed modelling approach and development of construction and operational scenarios is also considered to be critical.
- 1.1.4. This document outlines the rationale for the development of such a model, proposals for its spatial extent, and what questions it may be expected to address to assess credibly, and to the satisfaction of stakeholders, the impact of the expansion of Heathrow Airport on the sub-regional groundwater flow regime.
- 1.1.5. The proposed model will also provide the ability to simulate the interaction between ground and surface waters; most significantly, the major river systems to the west of the current airfield, which are likely to be subject to realignment.
- 1.1.6. It is envisaged that the model will be used to quantify the change in groundwater flow regime (e.g. groundwater levels, flow direction, velocity, discharge location, and interaction with surface features) both during the short-term construction period and the longer-term airfield operation period, post-construction.
- 1.1.7. Given the flexibility of the model design, it will also be possible to explore and assess potential mitigation measures that seek to reduce any predicted environmental impacts.
- 1.1.8. Note that it is not currently proposed that the model described in this document be used to support the detailed design of engineered structures and their construction methods. Such work will require additional and detailed quantitative analysis by the design teams. Examples include the detailed design of borrow pits, the filling of lakes or de-watering operations for construction.
- 1.1.9. However, it is intended that the sub-regional model will incorporate the final design of each major engineering structure to determine the likely

environmental impacts (including in-combination effects), both pre-and post-mitigation measures being incorporated.

2. Introduction

2.1. Background

- 2.1.1. Heathrow are developing plans for a new runway at Heathrow Airport and associated infrastructure (known as the Heathrow Expansion Project). The proposed runway location is to the north of, and adjacent to, the existing Heathrow Airport complex and will intersect the M25 and several main river watercourses located to the west of Heathrow.
- 2.1.2. The Heathrow Expansion Project falls under Section 23 of the Planning Act 2008 (the Act) as a Nationally Significant Infrastructure Project (NSIP). Under Section 31 of the Act, development consent is required to the extent that it is, or forms part of, an NSIP. Development consent is granted by the making of a DCO for which an application may be made to the Planning Inspectorate (PINS) under Section 37 of the Act.
- 2.1.3. An ES is a statutory component of a DCO application and a numerical groundwater modelling and impact assessment will comprise an appendix to the ES, extracts from which will be reported in the main ES text.
- 2.1.4. The ES is typically preceded by an environmental Scoping Report and a Preliminary Environmental Information Report (PEIR).
- 2.1.5. Both the Scoping Report and PEIR will be subject to public consultation, including with both statutory and non-statutory stakeholders. The key consultees of interest to groundwater modelling and associated impact assessment include the Environment Agency in its capacity as principal regulator, together with Natural England and the relevant water supply companies (principally Affinity Water and Thames Water).

2.2. Method Statement

- 2.2.1. The groundwater modelling method statement outlined in this document expands upon the ongoing collation and analysis of historic groundwater level baseline data, used to inform the underlying conceptual understanding of the sub surface and groundwater interactions with surface features, such as rivers, ponds and other potentially groundwater dependent ecosystems.
- 2.2.2. It also assumes that new groundwater level data will be made available from the current intrusive surveys being undertaken. This will enable the current conceptual understanding to be refined further.
- 2.2.3. In a hierarchical context, the groundwater modelling and impact assessment will be prepared in with the context of the Planning Act 2008 and the relevant National Policy Statements (including the Airports National Policy Statement (ANPS) once enacted and the National Networks NPS).

- 2.2.4. Where the respective NPSs do not provide the necessary level of detail, reference will be made to the National Planning Policy Framework (NPPF).
- 2.2.5. The principal statutory consultee on groundwater resource management and groundwater quality protection is the Environment Agency. On matters concerning likely effects on designated sites, Natural England is also a statutory consultee, and, furthermore, is considered to be an important consultee in relation to any likely effects on other areas of wetland or aquatic habitats.
- 2.2.6. In addition, given that expansion of the airport overlies several principal aquifers (as designated by the Environment Agency), current public water supply abstraction licensees (e.g. Affinity Water and Thames Water) are also expected to be important consultees.

2.3. Relevant Legislation

- 2.3.1. The quantification of likely effects of construction and long-term operation of the expanded airport on groundwater is required as part of the DCO process and the associated Environmental Statement.
- 2.3.2. Of primary importance is to meet the legal requirements on the EU Water Framework Directive (2000/60/EC) the Groundwater Daughter Directive (2006/118/EC) and the EU Drinking Water Directive (98/83/EC) to demonstrate that there will be no detrimental impact on the status of groundwater bodies with which expansion activities will interact, and that there is nothing to prevent “good” status being achieved.
- 2.3.3. Such assessment considers the likely effects on the status of both groundwater quality and quantity.
- 2.3.4. To achieve good groundwater quantitative status, the available groundwater resource must not be exceeded by the long-term annual average rate of abstraction. Groundwater abstraction must not also cause failure of good ecological status in dependent surface water bodies, significant damage of dependent wetlands (groundwater dependent terrestrial ecosystems) or saline or other intrusions.
- 2.3.5. Groundwater chemical status is measured by concentrations of pollutants and changes in electrical conductivity in the groundwater body such that it does not exhibit effects of saline or other intrusions, does not exceed EC water quality standards and would not result in failure to achieve the environmental objectives in associated surface waters or terrestrial ecosystems.

2.4. Related baseline method statements

- 2.4.1. In addition to this groundwater modelling method statement, method statements have also been prepared for undertaking baseline hydraulic modelling, water quality modelling and Water Framework Directive (WFD) compliance assessments. Furthermore, the biodiversity assessments will need to both inform and to draw on the findings of the groundwater modelling, as

appropriate. The interdependency between the methods outlined in these statements and the groundwater modelling methodology is acknowledged. Close engagement will ensure that each modelling approach is informed by and informs the others, to ensure a consistent and coherent approach to impact assessment.

2.5. Document outline

- 2.5.1. The remainder of this document sets out to initially provide all the relevant background information in terms of (i) the proposed scheme, (ii) relevant policy and guidance, (iii) current and future data sources (iv) scope of the modelling work and (v) options for impact assessment.

3. Scope

3.1. Location

- 3.1.1. A brief overview of the development is provided here to establish terminologies and understandings that will assist with the review of this method statement. For more details, the reader is referred to the Heathrow Expansion website¹
- 3.1.2. A map of the area surrounding Heathrow airport is presented in Figure 18.2.1. Note that the boundary indicated is that for the current airport.

3.2. Interaction of construction components with groundwater receptors

- 3.2.1. From a groundwater perspective, the main construction and operational elements of interest are:
- How short-term construction related activities, e.g. the creation of coffer dams or sheet piling and the development of borrow pits, may affect local groundwater flow during the construction phase
 - How new or relocated permanent engineered structures, e.g. re-designed and or re-purposed landfill sites, basements, tunnels, pipelines and any other sub-surface structures (e.g. an airfield drainage network) may affect groundwater levels and flow direction in the longer term (i.e. during the operational lifetime of the airport)
 - Whether any changes in the permeability of sub-surface fill material may affect groundwater movement
 - How the realignment of rivers and other surface water bodies and any flood storage areas that might be created may impact on local groundwater levels
 - How the extraction of usable construction grade gravels will affect groundwater level conditions
 - Understanding how potential changes in groundwater flow regime may affect:

¹ <https://www.heathrowexpansion.com/>
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- The spatial extent and rate of baseflow accretion in the new and existing river courses
- The spatial extent and rate of discharge of groundwater into other areas that are not defined by river courses, providing information about likely groundwater flooding.
- To use predictions of changes in flow regime, combined with an understanding of groundwater quality, to assess whether there is the potential for a change in the quality of groundwater which emerges in various surface water bodies.

3.3. Groundwater receptors that potentially interact with construction components

- 3.3.1. It is anticipated that a groundwater model will support the ES with respect to the likely (pre-mitigation and post-mitigation) effects of the proposed development (both construction and operational phases) on key environmental receptors, as well as associated temporary works.
- 3.3.2. A list of potential environmental receptors is presented in Table 18.2.1.
- 3.3.3. Other receptors (i.e. not explicitly environmental) may include
- The project elements highlighted above
 - Surrounding third-party sub-surface infrastructure
 - Residential (or otherwise) properties with basement structures that may intercept the local groundwater table
 - Groundwater abstractions - both licensed and unlicensed abstraction locations, including sources for public water supply
 - The Source Protection Zones associated with public water supply abstraction sources (i.e. boreholes)
 - Deregulated and private groundwater supply abstractions
 - Surface Water abstractions - both licensed and unlicensed, that may be influenced by groundwater interaction with watercourses.

Receptor Type	Sites
Groundwater Aquifers	<p>EU WFD groundwater bodies, namely:</p> <ul style="list-style-type: none"> • The Lower Thames Gravels; and • The Cretaceous Chalk. <p>The groundwater model could itself be used to assess the effects of any artificial recharge to ground.</p> <p>It is also likely that the final assessment will take account of how pumped water (dewatering) is managed in terms of discharges to surface water (volumes of water) and/or groundwater.</p>
WFD Surface Water Bodies	<p>WFD surface water bodies that could potentially interact with groundwater</p> <p>If required, a groundwater model could allow the effects of groundwater discharge to be examined.</p>
EU Drinking Water Protected Areas	Lower Thames Gravels Groundwater Body
Sites designated for biodiversity, and other relevant areas of habitat	<p>Sites that could potentially interact directly with groundwater, e.g. Stanwell Moor.</p> <p>Sites that could be indirectly affected by groundwater or river flow impacts downstream, including the Groundwater Dependent Terrestrial Ecosystem (GWDTE) at Wraysbury.</p>
Other Small Surface Water Features	Site such as small springs, ponds and drainage ditches

Table 18.2.1

List of Potential Environmental Receptors

4. Previous Investigations

4.1. Previous modelling work

- 4.1.1. Through the development of our groundwater baseline study, we are aware that the Environment Agency has undertaken regional scale hydrogeological conceptualisation and modelling of the Chalk aquifer surrounding and underlying Heathrow Airport. A summary of this modelling work undertaken and the applicability of each study to the current study, is provided in Table 18.2.2.
- 4.1.2. The locations of the known existing regional groundwater resource model boundaries surrounding Heathrow Airport are presented in Figure 18.2.2. These models have been developed for the purposes of water resource management and to support its obligations under national and European legislation, including (but not limited to) Catchment Abstraction Management, EU Water Framework Directive (2000/60/EC), the Groundwater Daughter Directive (2006/118/EC) and the Habitats Directive (92/43/EEC).

Groundwater Modelling Study	Description	Benefits to current study	Limitations to current study
The London Basin (Environment Agency)	All – regional groundwater resources models built for regulatory purposes – such as assessing the impact of groundwater abstraction on river courses and groundwater dependent ecosystems.	All - Associated conceptual and numerical studies that provide up to date conceptual thinking with regards to the underlying Chalk aquifer. Would also be possible to request supply of compatible numerical output to support the setting of relevant boundary conditions in the Heathrow model.	All - do not include the superficial river terrace deposits or underlying gravels in the numerical model. Chalk models only, albeit with alternative approaches to simulation of the overlying deposits (for the purposes of groundwater recharge assessment).
The South West Chilterns (Environment Agency)			
The Middle Thames (Environment Agency)			
The River Mole and Wey (Environment Agency)			

Table 18.2.2 Relevant groundwater modelling studies

5. Proposed Methods

5.1. Current data requirements

- 5.1.1. As part of the ongoing work, available hydrogeological desk study data are being collated and analysed to facilitate the formulation of the ES baseline and underpin the initial build of the accompanying groundwater model.
- 5.1.2. Additional geological and hydrogeological information is also being acquired during the current programme of intrusive works, and these data will also need to be captured, processed and interpreted in a consistent way to formulate an updated hydrogeological conceptual model of the site, and to inform the revised numerical model.
- 5.1.3. The key datasets (and their priority) that are required for use in the model are identified in Table 18.2.3.

Data Type	Description	Use
Geological stratigraphy	The elevation of geological horizons for at least the main gravel aquifers	Model definition
Geological stratigraphy (BGS GeoIndex data)	Online datasets of historical records	Model definition
Geological cross sections	Any previous interpretation of geological data that can be cross validated with new borehole data	Model definition
Groundwater levels	Water level hydrographs and contour maps for representative period	Calibration
River, pond hydrographs	River gauges, pond levels, spring locations	Calibration
Unsaturated zone thickness	Contour maps for representative time periods.	Calibration
Vertical head difference	Between gravels and Chalk for representative time periods	Calibration
Hydraulic parameters	Aquifer parameter spatial distribution maps.	Model parameterisation
Rainfall and potential evaporation	Daily rainfall, weekly MORECS evaporation	Used to determine groundwater recharge
Land Use	Spatial maps of main land uses, as defined by	Used to determine groundwater recharge

Data Type	Description	Use
	the CEH Land Cover Map	
Location of active and historic landfill	Maps of main sites, plus any known construction details	Used to adjust groundwater recharge to aquifer
Location of existing gravel extraction sites	Spatial locations, and associated reports	Identification of additional areas of open water (associated ponds, lakes etc)
Topography (pre- and post- construction)	E.g. LiDAR data, Spatial raster and/or contours	Model top surface boundary
Anthropogenic recharge	Recharge due to human activity (i.e. discharges to ground, mains leakage)	Boundary conditions
Groundwater abstractions	Details of locations, construction and historical and current abstraction rates (monthly)	Boundary conditions
River flows and morphology	For permanent and newly installed flow gauge locations	Model calibration (groundwater/surface water interaction)
Surface water bodies	Location and depths of significant water bodies (rivers, streams, ponds), river bed properties	Boundary conditions

Table 18.2.3 Data requirement for groundwater modelling purposes

5.2. Recharge estimation

- 5.2.1. Consideration has been given to whether separate surface water process modelling of spatial and temporal variations in groundwater interactions is required to meet the needs of the impact assessment, with the various groundwater recharge modelling options summarised in Table 18.2.4.
- 5.2.2. Currently, it is considered that a single long-term average estimate of groundwater recharge is unlikely to offer sufficient flexibility to assess how environmental effects may differ as a function of the seasonal variation of recharge, or indeed future climate.
- 5.2.3. Therefore, spatially and temporally variable estimates of groundwater recharge are proposed, to inform the development, and to achieve calibration, of a transient groundwater model.
- 5.2.4. To develop a runoff and recharge model, the following data are required:

- Daily rainfall which covers the calibration period (sourced from the Met. Office);
- Met. Office 'MORECS' potential evapotranspiration for reference grass, with at least a weekly resolution;
- Land use data, such as the European Environment Agency's 'CORINE' Land Cover dataset, to determine major grouping of land use, such as arable, wetland or woodland; and
- Soils data, such as the Cranfield Soil and AgriFood Institute's LandIS – Land Information System soils dataset which comprises soil classifications based upon texture, composition and origin.

5.2.5. We intend that the construction of the recharge model will be undertaken using Wood's modelling code, 4R. The code, developed in conjunction with the Environment Agency, has the benefit of regulatory approval and has already been used in a wide variety of modelling studies.

5.2.6. This variety refers not only to hydrological and geological environments, but also to cases where the level of data availability and existing knowledge have varied from sparse to detailed, and where the required understanding may be on a regional or local basis.

Options	Benefits	Disadvantages
Single long-term average groundwater recharge estimate (based on studies by the Environment Agency)	Exists already – no extra processing required	Offers no opportunity to assess variation in impact on a seasonal or potential driest drought/wettest winter basis
Spatially varying average recharge (based on 4R model)	Function of land use type, geology, rainfall and potential evapotranspiration (PE) variation	No temporal variation would limit the application to a transient model. No routing, therefore addition of runoff would be a post processing exercise
Spatially and temporally varying recharge sequences (based on 4R model)	Helps with transient runs, determining seasonal impacts, helps with climate change scenarios	Requires processing of both time series of rainfall and PE datasets, in addition to spatial distributions of land use, soil etc
Fully routed surface water runoff and recharge model (based on 4R model)	Fully routed stream network linked to underlying groundwater model. Enables surface water impact simulation at all locations	Although detailed, may be uncertain calibration, given lack of long term gauging data at more than a few locations

Table 18.2.4 Options for the calculation of groundwater recharge

5.3. Available groundwater modelling codes

- 5.3.1. Table 18.2.5 summarises the features of the two hydrogeological modelling codes considered appropriate against requirements for performance of the current study – namely FEFLOW (Diersch, 2014) and MODFLOW-USG (Panday et al, 2015).
- 5.3.2. Both are available either freely or commercially, have public domain user and verification manuals, and have been used in many peer reviewed environmental studies.
- 5.3.3. The modelling will require representation of multiple geological layers, engineering structures and mitigation measures. There will also potentially be the need for increased levels of grid mesh detail around key features, such as engineering structures and linear or small receptors.
- 5.3.4. Finite-element models such FEFLOW support flexible 3D gridding to achieve this, while MODFLOW-USG uses a finite volume approach, which has proven successful in other infrastructure projects of this nature.
- 5.3.5. Note however, that surface water-groundwater interactions can be easily integrated within MODFLOW-USG, whereas FEFLOW requires integration with separate surface hydrology models to represent such interactions in detail.
- 5.3.6. As such, the use of MODFLOW-USG is preferred, given its proven ability to simulate both groundwater-surface water interaction and to accumulate and route surface water flow through a defined surface channel network, without the requirement for additional third-party software.
- 5.3.7. In addition, MODFLOW-USG is already supported by a well-established runoff and groundwater recharge model, which has been developed previously in association with the Environment Agency. Use of such a combination of modelling codes in the UK is familiar to the Environment Agency, and as such should offer substantial reassurance to the regulator that the modelling approach is appropriate and credible.

Criteria	FEFLOW	MODFLOW-USG
Used in related studies?	Application in the UK to large construction projects, principally in the nuclear sector	Applied to large regional scale water resource studies in the UK which also require local refinements. Examples of application to assessment of impact on the installation of complex sub-surface infrastructure
Existing Heathrow specific model?	No	No
Existing neighbouring models that may support current proposals	No	Yes – three regional scale groundwater resource models developed by the Environment Agency <ol style="list-style-type: none"> 1. The London Basin 2. The Middle Thames 3. The South West Chilterns Also supporting conceptual understanding developed under the <ol style="list-style-type: none"> 4. The River Mole and Wey Conceptual and Numerical Modelling Study
Is the model code accepted/established?	Yes	Yes
Can the model represent conceptual groundwater flow systems (multi-layered aquifers)?	Yes	Yes
Can structures and mitigation measures be represented?	Yes	Yes
Particle tracking?	Yes	Yes, via use of MODPATH
Variable saturation?	Yes	Yes
Steady-state flows?	Yes	Yes
Time varying flows?	Yes	Yes
Surface flows?	MIKE interface required – and routing of streams not easily achieved	Fully integrated with “4R” runoff and recharge code. River

Criteria	FEFLOW	MODFLOW-USG
		diversion and bifurcations require manual adjustment
Automatic method of model calibration available?	Yes - FEPEST	Yes - PEST interface
Can the model be developed in the project time frame?	Possibly, would require MIKE interface to sit with groundwater model – and which may require extensive development work in its own right,	Yes, open nature of software and experience of model construction within consortium, makes this the preferred option.
Can the model be used to assess changes in water level/flows at the identified receptors?	Yes, but MIKE-11 interface required to deal with surface water flows, which adds additional complexity	Yes, if combined with a distributed 4R runoff and recharge model, which enables accumulated surface water flow (and hence surface water impacts) to be determined at any point of stream network
If required, could the model be adapted to simulate contaminant transport?	Yes (advection, dispersion, sorption, decay)	Yes (advection)

Table 18.2.5 Relevant groundwater modelling studies

5.4. Groundwater Model Design

- 5.4.1. It is proposed that Heathrow groundwater model will be of sufficient extent to cover the entire outcrop of the Lower Thames Gravels Groundwater Body, such that its extent will fully encapsulate the key features of interest for this work, i.e. the required receptors. Where data are available, the geological representation used in the model will be updated to honour the site observations, where possible (Figure 18.2.3).
- 5.4.2. In a vertical sense, the model will be refined sufficiently to provide an accurate simulation of groundwater levels in the superficial gravels in the first instance.
- 5.4.3. However, given the potential for the interaction with the deep subsurface (as consequence of construction of deep foundations or excavation of existing landfill material), an appreciation of the underlying Lower London Tertiaries and the Cretaceous Chalk is also required.
- 5.4.4. Hydrogeological layering will be informed through the existing ground model being developed concurrently by the engineering teams. In addition, where possible within the timeframe for model construction envisaged, geological data from site investigations will also be used to inform the geological structure and aquifer properties of the river terrace deposits and silt and gravel aquifers that underlie the airfield and surrounding groundwater catchment.
- 5.4.5. In the same manner, the calibration of the model will use, as much as possible, current water level observation data that are forthcoming from the ongoing intrusive works and site investigations
- 5.4.6. Table 18.2.6 identifies a more complete range of proposed requirements of the DCO model.
- 5.4.7. Note, some elements of the Project may sit beyond the spatial extent of the Lower Thames Gravels Groundwater Body (e.g. to the north, where the Cretaceous Chalk is unconfined). In this instance, use of the Environment Agency's existing regional models is the proposed approach. This is a topic which will be discussed with the Environment Agency.

Model Feature	Proposal	Benefits/Meets Objectives?	Dependencies/Risks
Spatial Extent Figure 18.2.3	Full extent of the Lower Thames Gravels	Covers key sources/receptors and recharge/discharge locations	Need surface topography and geological layers for whole domain Wider extent for underlying Chalk aquifer may provide improved boundary conditions
Geological layering	Explicit model of river terrace deposits, silts and gravel aquifers, London Clay, Lower London Tertiaries and upper sections of Cretaceous Chalk (20-50 m)	To better describe vertical partitioning of groundwater flow between aquifer/aquitard layers	Need to interpret drilling logs for multiple datasets. However, opportunity to use existing interpretative work undertaken by the Environment Agency, as part of their regional groundwater resource modelling work
Depth	50 m below contact with base of London Clay, to include Lower London Tertiaries and upper section of Cretaceous Chalk	Deep enough to not artificially restrict flow circulation and consistent with location of lower permeability bedrock	-
External boundary conditions	General or fixed flux boundaries on sides and bottom – dependant on extraction of relevant data from regional models (EA). Recharge/discharge on top (spatially varying)	Consistent with natural flow boundaries and available recharge/discharge data	Data required for spatially/temporally varying recharge, but could just be used for model calibration

Model Feature	Proposal	Benefits/Meets Objectives?	Dependencies/Risks
Internal boundary conditions (e.g. rivers)	Main watercourses to be represented in relation to groundwater water/surface water interaction	Provides a more accurate baseline of groundwater levels and river interaction. Allows effects of development on receptors to be investigated	Data required on river level, river bed level and river flows – which is available through Environment Agency flood modelling work
Time varying (versus steady state)	Model time variations in groundwater levels due to fluctuations in recharge	Reduce uncertainties in model parameterisation and improve predictive capability by calibration on drainage/wetting of subsurface according to seasonal precipitation patterns	Need meteorological data, recharge model, and ideally >1 yr continuous monitoring in areas of interest (main receptors)
Abstractions	Include current groundwater abstractions	Provides a more accurate baseline of groundwater levels in and around supply well receptors	Requires data on completions, abstractions and monitoring of supply wells – data requests submitted to the Environment Agency
Level of horizontal discretisation	Potential for extra refinement around key receptors and engineering structures causing dewatering or mitigation measures	Gives greater accuracy around features of interest	Greater refinement increases model size and run times

Table 18.2.6 Proposed Groundwater Model Design

5.5. Model Calibration

- 5.5.1. Model calibration is the process of establishing values or ranges of input parameters that ensure the model predicts system behaviours which are consistent with measurements whilst remaining credibly founded on the established conceptual understanding. As such, the process increases reliability of the model to predict the real groundwater system.
- 5.5.2. Important characteristics that a model should honour include the spatial distribution of groundwater levels, both horizontal and vertical, as these govern directions and magnitudes of flow, and responses to changes in internal boundary conditions e.g. either from recharge or abstractions.
- 5.5.3. Calibration on groundwater level data involves finding an appropriate ratio between hydraulic conductivity and available recharge. Making use of groundwater heads from boreholes which are screened in different geological layers to calibrate the model helps to provide greater confidence in model values of vertical hydraulic conductivity and representation of the anisotropy of the system.
- 5.5.4. Modelling of the groundwater response to variations in recharge will also allow further refinement of aquifer parameters (hydraulic conductivity and storage coefficient).
- 5.5.5. The primary data available for hydrogeological calibration will be groundwater levels in monitoring boreholes. A detailed list of monitoring points that will be used to assess model calibration will be developed once the initial data collation phase of the project has been completed.
- 5.5.6. There will be several stages to achieving an 'acceptable' degree of model calibration (Table 18.2.7). However, as a first step, steady state calibration under 'average' recharge conditions offers an important baseline calibration of hydraulic conductivities.
- 5.5.7. As such, it is proposed that average (steady-state) conditions will again be used to calibrate the model initially, using median groundwater levels which are usually less susceptible to anomalous readings. Emphasis will be placed on matching measurements close to receptors and areas where the most significant engineered structures are to be installed;
- 5.5.8. Known abstractions that have taken place during the monitoring periods will also be included as boundary conditions in the steady-state calculations;
- 5.5.9. Since the ES is concerned with predicting the effects of change, it will also be of interest to model natural changes, such as responses to seasonal variation in recharge or groundwater abstraction. A time-varying model that simulates the change and its effects compared to measured head time-series is therefore an important second level of model calibration:

- 5.5.10. The observed groundwater level data will be analysed to determine the seasonal variation in groundwater heads for different aquifer units and this will be compared with calculated recharge rates.
- 5.5.11. A final stage of confidence assessment of the model will be to sense check the model's predictions of surface water interactions, such as the locations and volumes of discharges (or recharge from) to rivers, streams, ponds and springs in the area under different recharge conditions, and as compared to mapped surface water features.

	Data source	Modelling approach	Reporting
Average groundwater levels	Monitoring boreholes	Steady-state calculation of head based on average recharge to reduce uncertainty in hydraulic conductivities	Plots of modelled and calculated heads by borehole and cross-plots. Quantify using difference between measured and calculated heads
Time-varying groundwater levels	Monitoring boreholes near receptors or between them and engineered structures with time-varying data over a sufficient period	Transient calculation of head based on time-varying recharge over the duration of the monitoring data to reduce uncertainty in hydraulic conductivities and specific yield/storage	Plots of modelled and calculated heads in selected boreholes as a function of time. Quantify using mean differences between calculated and measured values
GW-SW interaction	River hydrographs, pond levels, spring locations	More qualitative comparison of modelled discharge to rivers, streams, modelled surface recharge/discharges versus surface water features	Plots of stream hydrographs and of recharge/discharge areas compared to mapped surface water features

Table 18.2.7 Model Calibration Stages

5.6. Scenario Testing and Sensitivity Analysis

- 5.6.1. Having developed and calibrated the model on measured site conditions, it will then be used to assess the effects of engineering structures and activities on receptors, and where those are significant to assess the performance of mitigation measures to reduce the effects.
- 5.6.2. During consultation with the Environment Agency and Natural England, and in conjunction with the biodiversity assessment team, it will be necessary to agree assessment parameters and criteria for the various receptors.
- 5.6.3. The main features that will be represented by the model are as follows:
- The realignment of the river courses, and their river bed properties
 - Construction of subsurface infrastructure (e.g. coffer dams or piling) associated with the realignment of the M25 or other major roads
 - Construction of other large basement structures associated with other major construction activities, where these have been identified as having the potential to affect groundwater flow-paths within the gravel aquifer (e.g. terminal buildings, attenuation tanks etc)
 - Temporary, but large scale, dewatering activity during the construction phase
 - Changes in land use (where this results in less direct recharge to groundwater e.g. introduction of impermeable hardstanding, or the construction of new flood mitigation areas)
 - Changes in land surface elevation, where there is a potential for this to increase the risk of groundwater flooding.
- 5.6.4. The effects will be quantified using a carefully defined set of scenarios (either steady state or transient, depending on the duration of engineering activity) that represent the engineering features. It is important that these scenarios are realistic in capturing essential aspects of the engineering likely to have an effects, such as the level of dewatering and/or extent of excavations. However, it is accepted that some aspects of the design may be uncertain (e.g. depths or durations of dewatering), and so the definition of scenarios will make cautious, but still reasonable, bounding assumptions on such aspects. This will include taking in to consideration the Limits of Deviation as they are developed.
- 5.6.5. The activities and how they will be represented within the model will be discussed and agreed with the key stakeholders as the work develops.
- 5.6.6. However, the effects on groundwater may include the following:
- Changes in groundwater levels and groundwater flow direction due to dewatering during construction
 - Reduction in recharge to the water table (e.g. construction of low permeability surfaces such as hardstanding, placement of spoil mounds)

- Changes in groundwater flow due to the construction of low permeability barriers below the water table (e.g. sheet pile walls, coffer dams, tunnels and basements that penetrate the gravel aquifer), as well as high permeability 'drainage' corridors
- Lowering of groundwater levels where the proposed post-construction grade (i.e. land surface elevation) is below the existing water table.

5.6.7. The likely effects on receptors will be quantified in terms of the following:

- Changes in groundwater head from the baseline condition
- Changes in groundwater inflows and outflows to rivers and other surface water features
- Changes in groundwater movement and potentially the use of particle tracks to examine changes to the movement of existing groundwater contamination.

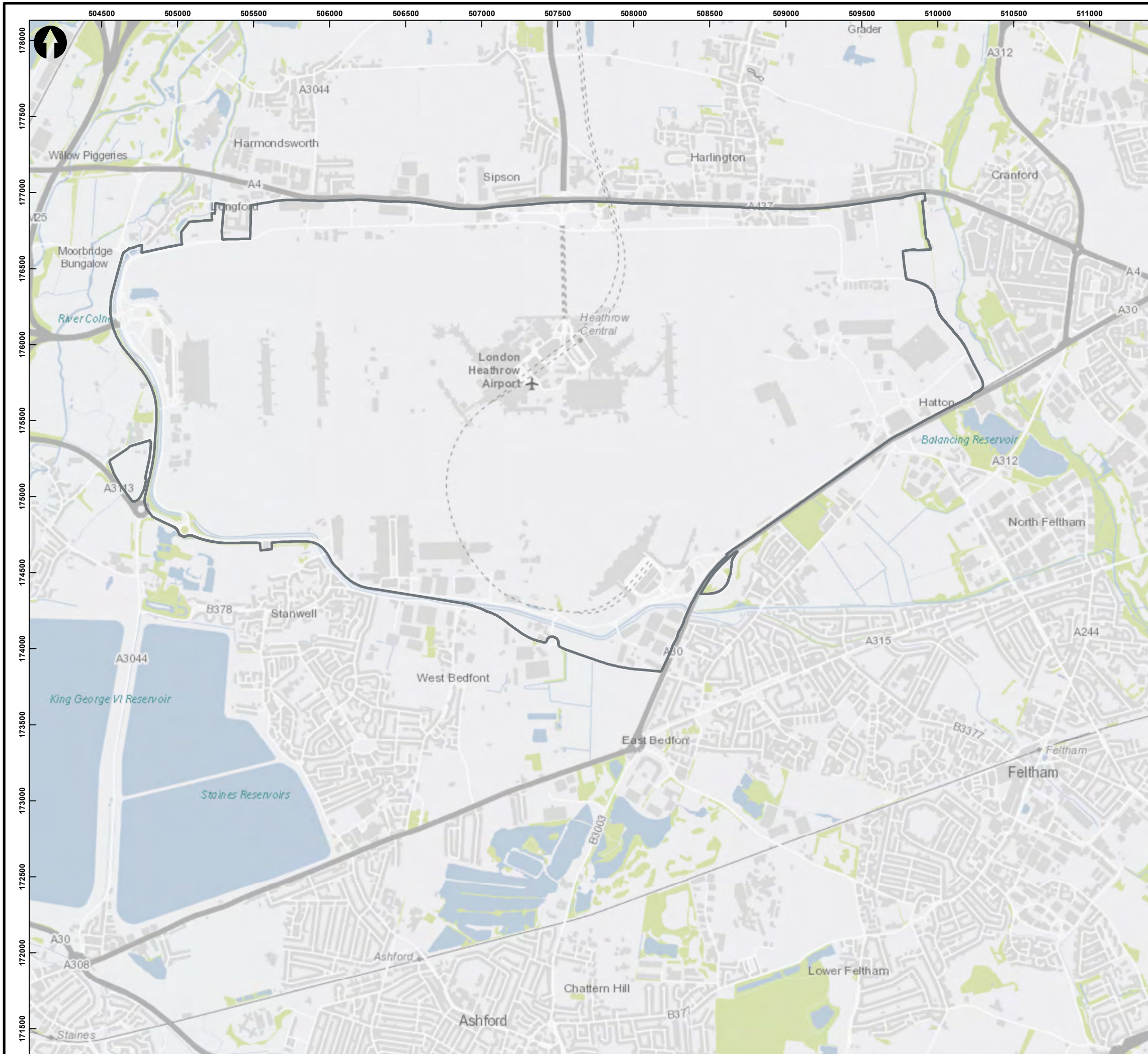
5.6.8. Due consideration will also be given to overall model uncertainty (e.g. parameters or geological layering) between the engineered structures and receptors using suites of scenarios that utilise different hydrogeological assumptions.

6. Glossary

Term/ abbreviation	Description
DCO	Development Consent Order
EA	Environment Agency
ES	Environmental Statement
HAL	Heathrow Airport Limited
GWDTE	Groundwater Dependent Terrestrial Ecosystem
HEP	Heathrow Expansion Programme
NSIP	Nationally Significant Infrastructure Project
NPS	National Policy Statement
PEIR	Preliminary Environmental Information Report
PINS	Planning Inspectorate
WFD	Water Framework Directive

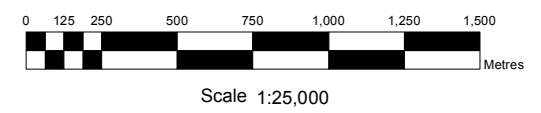
7. Bibliography

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Panday, Sorab, Langevin, C.D., Niswonger, R.G., Ibaraki, Motomu, and Hughes, J.D	MODFLOW-USG version 1.3.00: An unstructured grid version of MODFLOW for simulating groundwater flow and tightly coupled processes using a control volume finite-difference formulation	U.S. Geological Survey Software Release, http://dx.doi.org/10.5066/F7R20ZFJ	2015



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 Heathrow Planning Boundary

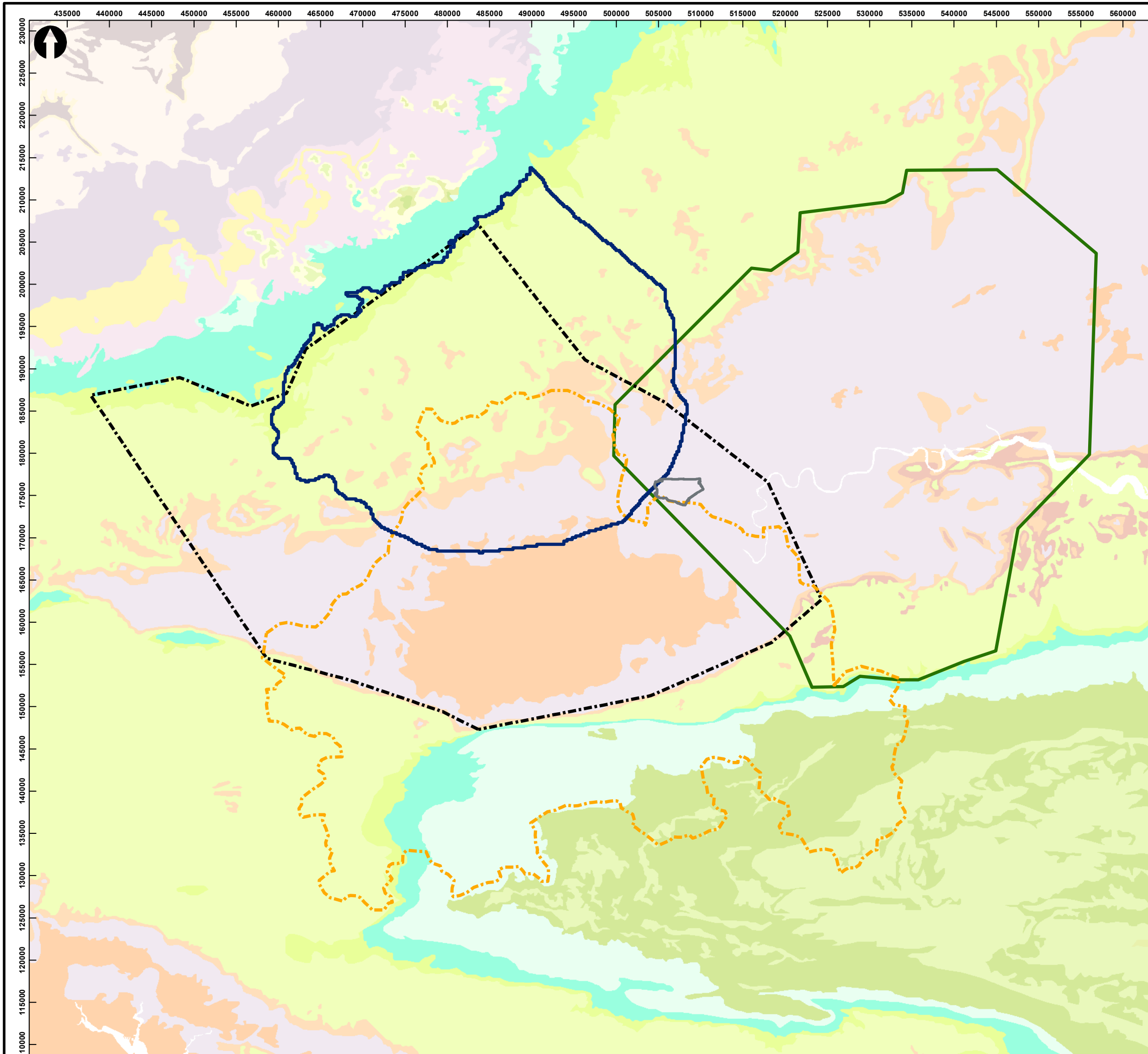


Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
 Figure 18.2.1: Current Heathrow Planning Boundary

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000158				Version 1.0



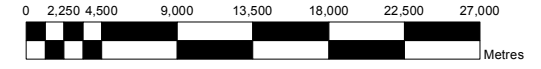
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Legend

- Heathrow Planning Boundary
- South West Chilterns
- Mole
- Middle Thames
- London Basin

Bedrock Geology

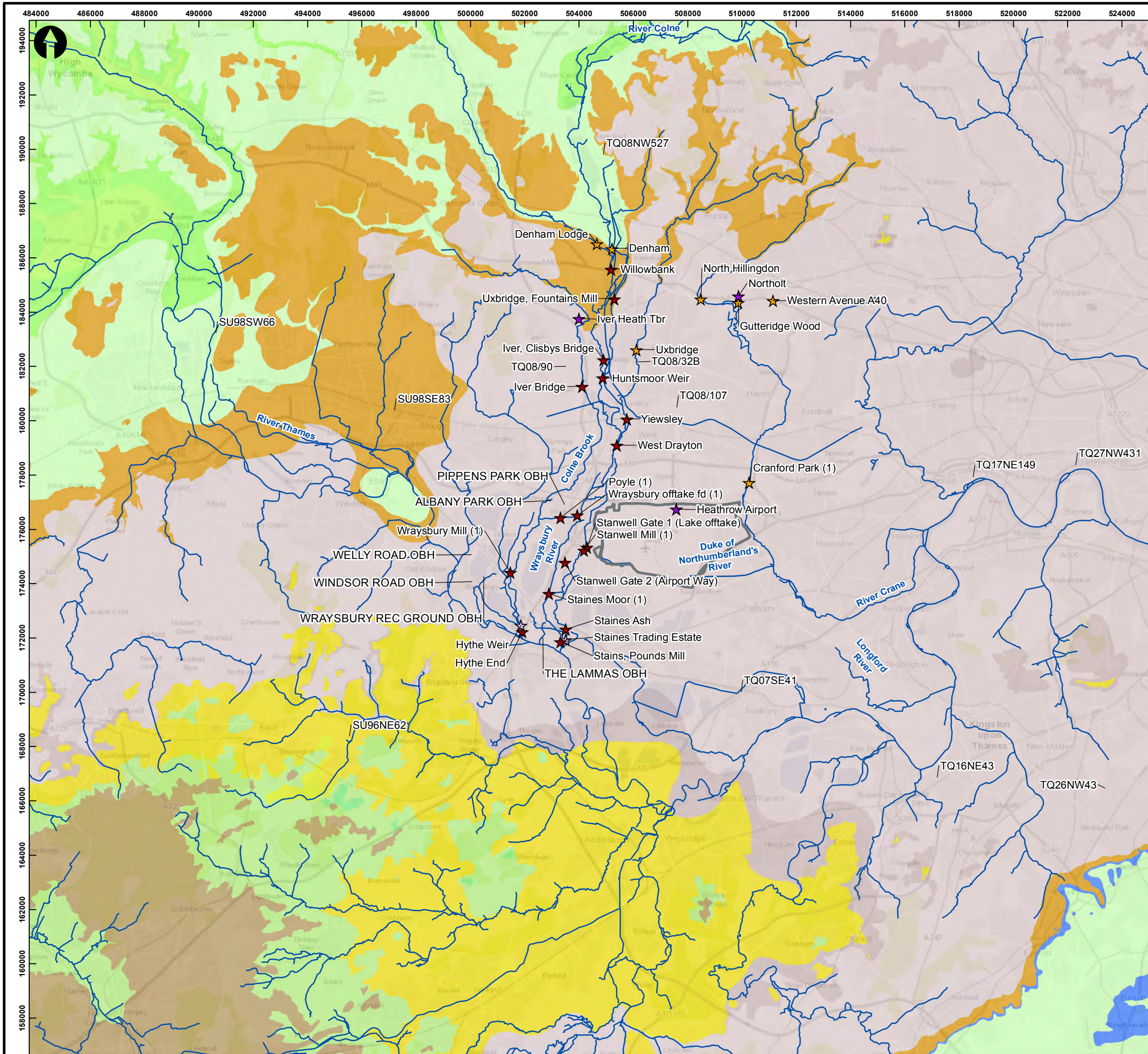
- BRACKLESHAM GROUP AND BARTON GROUP (UNDIFFERENTIATED) - SAND, SILT AND CLAY
- THAMES GROUP - CLAY, SILT, SAND AND
- THANET SAND FORMATION - SAND, SILT AND CLAY
- LAMBETH GROUP - CLAY, SILT, SAND AND
- GREY CHALK SUBGROUP - CHALK
- WHITE CHALK SUBGROUP - CHALK
- GAULT FORMATION AND UPPER GREENSAND FORMATION (UNDIFFERENTIATED) - MUDSTONE, SANDSTONE AND LIMESTONE
- LOWER GREENSAND GROUP - SANDSTONE AND MUDSTONE
- WEALDEN GROUP - MUDSTONE, SILTSTONE AND SANDSTONE
- WEALDEN GROUP - SANDSTONE AND SILTSTONE,
- PURBECK LIMESTONE GROUP - LIMESTONE AND MUDSTONE,
- PORTLAND GROUP - LIMESTONE AND CALCAREOUS SANDSTONE
- CORALLIAN GROUP - LIMESTONE, SANDSTONE, SILTSTONE AND MUDSTONE
- WEST WALTON FORMATION, AMPHILL CLAY FORMATION AND KIMMERIDGE CLAY FORMATION (UNDIFFERENTIATED) - MU
- KELLAWAYS FORMATION AND OXFORD CLAY FORMATION (UNDIFFERENTIATED) - MUDSTONE, SILTSTONE AND SANDSTONE
- GREAT OOLITE GROUP - SANDSTONE, LIMESTONE AND ARGILLACEOUS
- INFERIOR OOLITE GROUP - LIMESTONE, SANDSTONE, SILTSTONE AND MUDSTONE
- LIAS GROUP - MUDSTONE, SILTSTONE, LIMESTONE AND SANDSTONE



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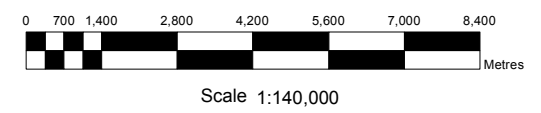
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Project Name Heathrow Expansion Project				Heathrow Project No. HEP53
Title Figure 18.2.2: Environment Agency Regional Groundwater Models (2017)				
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- Heathrow Planning Boundary
- CAMBERLEY SAND FORMATION - SAND
- BAGSHOT FORMATION - SAND
- CLAYGATE MEMBER - CLAY, SILT AND SAND
- CLAYGATE MEMBER - SAND, SILT AND CLAY
- LONDON CLAY FORMATION - CLAY AND SILT
- LONDON CLAY FORMATION - CLAY, SILT AND SAND
- ST ANN'S HILL PEBBLE BED - GRAVEL
- STANNERS HILL PEBBLE BED - GRAVEL
- SWINLEY CLAY MEMBER - CLAY
- WINDLESHAM FORMATION - SAND, SILT AND CLAY
- LAMBETH GROUP - CLAY, SILT AND SAND
- THANET FORMATION - SAND
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- LEWES NODULAR CHALK FORMATION - CHALK
- LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK
- NEW PIT CHALK FORMATION - CHALK
- Watercourse
- River Flow Gauge
- River Level Gauge
- River Flow and Level Gauge
- Rainfall Gauge



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Figure 18.2.3: Proposed extent of the Heathrow Groundwater Model for discussion with Environment Agency

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Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000160				Version 1.0



Heathrow Expansion
Surface water quality modelling
Method Statement

Appendix 18.3

Surface water quality modelling

Method Statement



Heathrow Expansion
Surface water quality modelling
Method Statement

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Internal

Heathrow Expansion Project

Surface water quality modelling Method Statement

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Role: Water Quality modelling leads

Date: 23/02/2018

Version: 2

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Version	Date	Summary of changes
1	11/11/2017	First full draft
2	23/02/2018	Second draft following internal technical review

Stakeholders

Name	Role
Name	Heathrow Environmental Assessment Manager Community & Green Spaces
Name	Environment Agency project manager
Name	Environment Agency Water Quality Planner

Checked by: Name: [REDACTED]

Role: Natural Environment EIA Workstream lead

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Glossary

Acronym	Meaning
WQ	Water Quality
SAGIS	Source Apportionment Graphic Image System (water quality mode)
SIMCAT	Water quality model
RQP	River Quality Planning (water quality model)
EQS	Environmental Quality Standard
ha	hectare
km²	Square kilometre
WFD	Water Framework Directive
SPA	Special Protected Area
SEPA	Scottish Environment Protection Agency
UKWIR	UK Water Industry Research
ISIS	Catchment water quality model
EA	Environment Agency
STW	Sewage Treatment Works
CSO	Combined Sewer Overflow
HRT	hydraulic retention time

1. Introduction

1.1. Purpose of this report

- 1.1.1. The Heathrow Expansion Project (referred to as the Project for the rest of this document) is a major infrastructure project in the Southeast of England. The Project will include the construction of a new runway along with ancillary developments to support the expansion. The construction and operation of the new runway and associated infrastructure has the potential to impact on several aspects of the environment including water quality. In order to demonstrate that water quality effects on surface waters from the construction and operational phases of the Project are negligible, can be avoided or can be appropriately mitigated, it is necessary to identify the scale of any potential effects.
- 1.1.2. This report sets out the methodologies that will be used for the surface water quality modelling to support the Project. Specifically, this report focuses on the modelling of water quality in the river catchments, lakes and reservoirs that are likely to be affected by the Project.
- 1.1.3. The document also uses data from the Surface water quality baseline report and supports the scoping report by indicating the proposed approach for supporting the assessments for the EIA.
- 1.1.4. This report is structured as follows:
 1. Section 2 describes the water quality models that will be utilised and the development of the proposed methodology;
 2. Section 3 provides the methodology for modelling river catchments; and
 3. Section 4 provides the methodology for modelling lakes and reservoirs.
- 1.1.5. A description of the Project is provided in Chapter 3 of the Scoping report.

1.2. Heathrow Expansion Project and surface waters

- 1.2.1. The main aspects of the project that could potentially impact on surface water quality and could require modelling include:
 1. Short-term construction related activities, e.g. changes to surface water drainage and release of pollutants or sediment;
 2. Changes to groundwater and surface water interactions;
 3. Changes to the alignment of rivers and other surface water bodies and any flood storage areas that might affect sources, pathways or receptors;
 4. Effects from onsite operational activities (e.g. increased atmospheric deposition, new or increased discharges); and
 5. General effects from physical changes to rivers or other surface waters.
- 1.2.2. The Project could impact on the Colne and Crane catchments as well as other surrounding surface water features e.g. the reservoirs, lakes, Duke of Northumberland's river and Longford River. As such, and in line with the surface water quality baseline, the water quality modelling will look at the effects on the

surface water environment in four distinct assessment areas, which lie within the scoping study areas (as shown in Figure 18.3.1):

1. Colne assessment area (including River Colne, Horton Brook, Wraysbury River, Colne Brook, Duke of Northumberland's river, Longford River and Surrey Ash)
2. River Crane assessment area;
3. River Thames assessment area; and
4. Reservoirs and Lakes assessment area (e.g. Thames Water drinking water reservoirs and Wraysbury lake).

1.3. Objectives

1.3.1. There are two main objectives for the water modelling:

1. Establishing the baseline water quality of the river catchments in order to assess the potential effects of changes in nutrients and chemicals. This will help with the assessment of compliance against relevant water quality Environmental Quality Standards (EQSs) including Water Framework Directive (WFD) standards.
2. Establishing baseline nutrient budgets of relevant lakes and reservoirs and to assess the potential effect of changes in their nutrient concentrations and loadings due to the Project. This will help with the overall assessment of the effects on the Southwest London waterbodies Special Protected Area (SPA)¹.

¹ This includes Staines Moor SSSI, the Wraysbury and Hythe End Gravel Pits, Wraysbury No. 1 Gravel Pit and Wraysbury Reservoir
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2. Water Quality modelling

2.1. Overview

- 2.1.1. Two different models will be used in order to fulfil the above objectives. This is based on the differing needs and surface water features that will be modelled. Both models will use available catchment data on nutrient and chemical sources and pathways to simulate current and future concentrations in rivers, lakes and reservoirs. By varying the determinand sources, concentrations and any changes to pathways, the models can simulate concentrations under possible changes due to the Project.
- 2.1.2. The primary model used on the Project will be the River catchment model. This will provide information on the baseline as well as impact assessments of the majority of the construction and operational aspects of the Project.
- 2.1.3. A second model will be used for assessing effects on water quality in the reservoirs and lakes, particularly in relation to operational effects. Input to this model will be dependent upon the output from the river catchment model as the Thames Water reservoirs are fed from the Thames, while the Wraysbury No.1 gravel pit is connected to the Horton Brook. This will also help ensure that the models are linked as much as is feasible by providing data from the river catchment model to help calculate the nutrient budgets for the lakes.

River catchment modelling

- 2.1.4. For this part of the modelling, Simcat (taking data from SAGIS) has been chosen, as this is the tool employed routinely by the Environment Agency for planning, permitting and regulatory guidance. A benefit of this is therefore continuity with a model already in use, based on the same datasets and the same format as those applied for regulatory assessments conducted by the Environment Agency.
- 2.1.5. Simcat was also chosen preferentially over models such as ISIS because it is possible to alter river structures and determinand inputs within it in a way that can emulate the potential changes to water quality that could occur due to the impacts from the Project. ISIS is largely used by the Environment Agency and others to model river flows to investigate the effects of hydrological changes or restrictions to watercourses. However, changes to river flows can also be emulated in Simcat. Additionally a benefit of using Simcat is that a calibrated (at basin scale) model already exists, whereas using models such as ISIS would require duplicating the effort that has gone into the national Simcat model. As such Simcat was selected as the primary model for undertaking the river water quality assessments.
- 2.1.6. UKWIR, EPA and the Environment Agency funded the development of a Source Apportionment GIS model (SAGIS) to quantify the loads of pollutants to surface waters in the UK. Pollutant loads are converted to concentrations using the Simcat water quality model which is incorporated within SAGIS to allow

quantification of the contribution of 12 types of point and diffuse sources (including wastewater treatment works discharges, intermittent discharges from sewerage and runoff, agriculture, soil erosion, mine water drainage, septic tanks and industrial inputs) to in-stream concentrations. Simcat modelling allows assessment of the compliance or possible exceedance of EQSs by modelling multiple substance concentrations under different scenarios and apportioning substances concentrations by source, to mitigate possible deterioration or allow targeted improvements where necessary.

- 2.1.7. Additionally the catchment model will be supplemented with the use of the River Quality Planning tool (a basic single site monte-carlo water modelling tool) and also, if required, qualitative assessments of impacts. These methods will be used for specific site based queries that cannot be easily answered by the catchment model or where the number and types of questions require a greater deal of flexibility. This is likely to be primarily in relation to intermittent discharges (e.g. dewatering, or runoff during storm related events) during the construction phase, but could also include intermittent discharges during the operational phase of the Project. The scale of these more site-specific assessments will be driven by the details of land use changes, the results of all the 2018 surface water and groundwater monitoring programmes and also any requirements to feed in to other assessments such as land quality or biodiversity.
- 2.1.8. Table 18.3.1 shows the types of discharges (both continuous and intermittent) that could be reviewed as part of the catchment modelling alongside land use changes.

Discharge	Project phase	Comment
Groundwater dewatering	Construction	Could be scoped out of detailed modelling and WQ assessment work depending on permitting workstream. However, if site specific issues are identified then RQP modelling or similar assessments could be used to assess impacts on rivers to ensure EQSs are not breached and any permits are set appropriately
Mobile treatment plants (dewatering treatment)	Construction	As above for dewatering. Should be covered through permitting and construction management plans, but if required, would be supported through site specific assessments.
Mobile treatment plants (sewage)	Construction	As above for dewatering. Should be covered through permitting and construction management plans, but if required, would be supported through site specific assessments.
Surface water drainage	Construction	It is likely that the construction phase can be modelled through Simcat by land use changes
Surface water drainage	Operation	It is likely that the operational phase can be modelled through Simcat by land use changes
New discharges (continuous)	Operation	This could include new sewage discharges or other related continuous discharges, if required by the Project. If required, these could be assessed through the catchment model as they would be single location discharges.

Discharge	Project phase	Comment
Portable toilet facilities	Construction	Should not include a discharge and therefore would not need detailed modelling or water quality assessments

Table 18.3.1 Examples of potential types of point discharges that could occur during construction or operation of the Project.

Reservoir and lake modelling

- 2.1.9. In order to characterise the principal sources and pathways of nutrients to each reservoir or lake, conceptual models will be developed for each water body of interest. There are a number of potential sources and pathways for nutrients to these waterbodies, although not all will be applicable in each case.
- 2.1.10. Potential pathways to the reservoirs and lakes include:
1. Surface runoff from the wider topographic catchment to the lake or reservoir. This will not apply to embanked reservoirs, for which the catchment will extend only to the top of the bank and will thus include only a very small area;
 2. Via groundwater, for reservoirs and lakes which are groundwater fed or hydraulically connected to groundwater;
 3. Direct inputs, for example from birds or via fish populations, or in water pumped into reservoirs for storage, or through atmospheric deposition.
- 2.1.11. A conceptual model will be developed of each waterbody that identifies all applicable pathways for nutrients to the reservoir. This will include working with the groundwater modelling team to ensure that the conceptual models of the reservoirs and lakes are consistent with their understanding, and draw on all available information. All applicable sources of nutrients that could reach the waterbody via those pathways will then be identified, as described in Section 4.

3. River catchment methodology

3.1. Overview

- 3.1.1. The purpose of this methodology section is to describe the refinement, calibration and application of the Simcat model that will be used for the surface water investigation for the Project. Calibration of the model is necessary to ensure that it accurately represents the processes that are taking place in that specific waterbody area, upon which further simulation scenarios can then be modelled. The approach detailed below has been preferentially chosen because it has been used previously by the Environment Agency and adheres to good modelling practice.
- 3.1.2. The approach to calibration will use data from the Surface water quality baseline report and involve:
1. Checking that any discharge or flow features within the assessment areas are represented correctly with respect to their spatial location and supporting data;
 2. Assessing performance of the model against available observed flow and surface water quality data; and
 3. If necessary, calibrating the model with respect to flow and load (of chemicals) to improve model performance.
- 3.1.3. The overall objectives for the modelling will be to ensure that any potential effects on water quality from the Project are not significant and abide by relevant regulatory objectives including:
1. Concluding that the future development will not be likely to cause in-class deterioration of any WFD element either within the lifetime of the Project or beyond;
 2. Show that there is likely to be sufficient environment capacity for future growth in the wider area (i.e. there will be less than 10% deterioration in water quality within WFD class, in line with aspirational targets set by the Environment Agency);
 3. Show that the Project will not be likely to prevent receiving waters from reaching Good Ecological Status or Potential; and
 4. Show that the Project will not be likely to lead to a breach of any EQSs or to significant deterioration in concentrations of water quality determinands beyond those covered by the WFD (e.g. nitrates in freshwaters).
- 3.1.4. The effects will be modelled and assessed at the sample point and then water body levels to ensure all requirements are met appropriately.

Relevant model component	Type of data - units	Description	Source	Date accessed	Available at present (Y/N)
Model structure	Feature locations – National Grid References or locations along river stretches	Rivers, Sewage Treatment Works, abstractions, industrial discharges, Combined Sewer Overflows, WFD water body boundaries, routine water quality monitoring locations	Environment Agency – SAGIS model	September 2017	Y
Flow calibration	River flow – m ³ /d	Metered flow at gauging stations in the catchment	Environment Agency		Y
	Sewage Treatment Works flow – m ³ /d	Discharge flow data of Sewage Treatment Works outfalls	Thames Water		N
	Accretion flow data	Flow in stream attributable to seepage, ground water discharge	Field monitoring		N
Water Quality calibration	Discharge quality for determinands – mg/l	Quality of effluent being discharged from water company Sewage Treatment Works outfall	Environment Agency	September 2017	Y
	River/Lake quality for determinands – mg/l	Concentration of pollutants at routine water quality monitoring locations	Environment Agency and Project Surface water quality baseline report	September 2017	Y
	Land quality	Land parcels in the catchment and their uses e.g. agricultural, urban etc	Environment Agency, EIA land quality team		N
	New water quality monitoring data – mg/l	Spot sampling data at multiple sites identified for the Project will become available at a later stage in the project	Project field monitoring		N

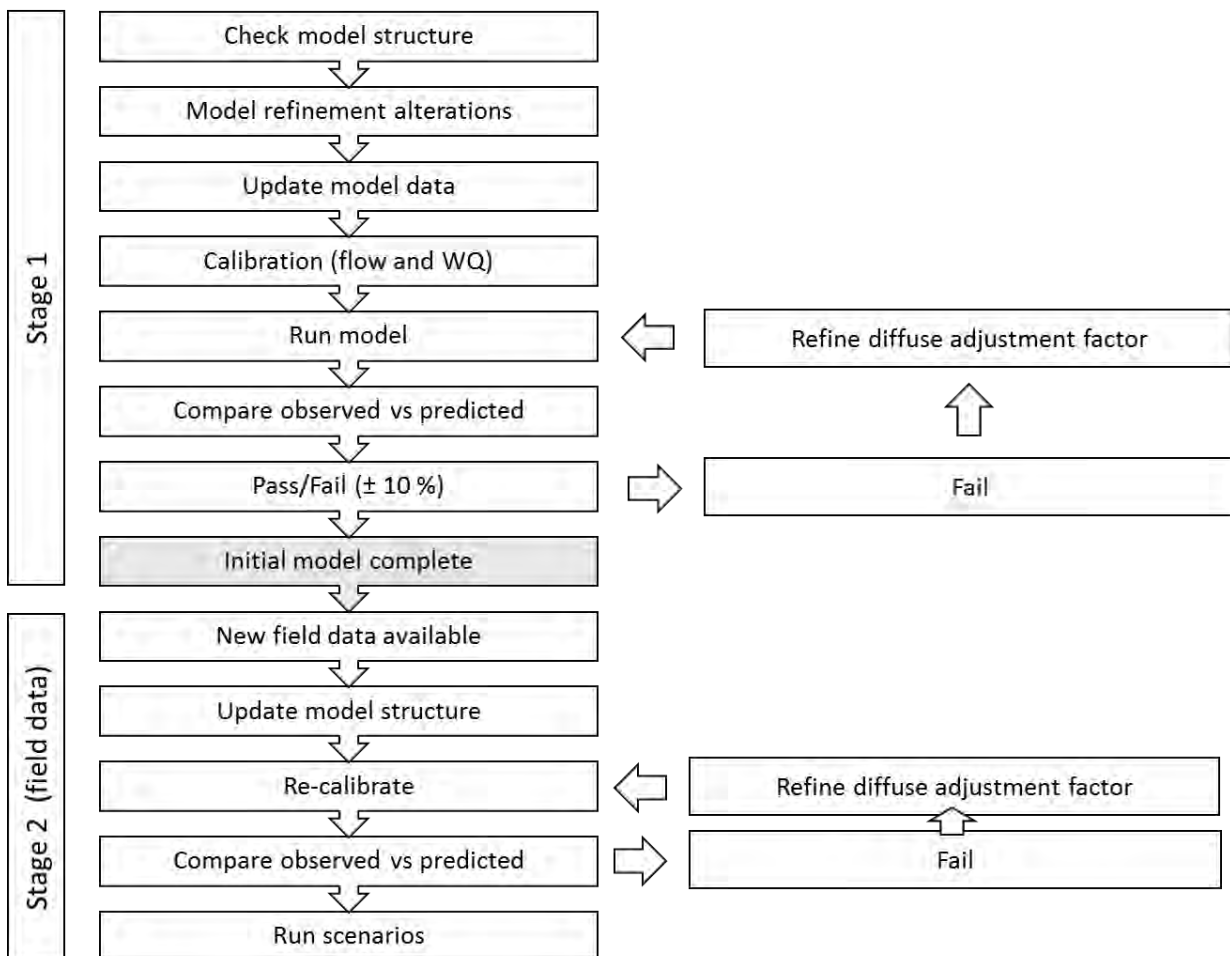
Table 18.3.2 Data sources and description

3.2. Data sources and availability

3.2.1. Numerous data sources will be required for water quality model development and testing, to ensure accuracy in representation of the features. These are listed in Table 18.3.2, along with the model component where they are applicable and where the data is anticipated to be sourced from. It is anticipated that each of those listed will become available as the Project progresses. However, if this is not the case then an alternative source will need to be sought or default assumptions will be used where possible. This would be done in line with the other EIA disciplines and in consultation with the Environment Agency. Alternate sources could include older Environment Agency data (e.g. from 2000-2010), assumptions on based on peer reviewed literature for the rivers or using the Environment Agency's original Simcat model as the default baseline (adjusting to account for any known upstream improvements).

3.3. Decision overview flow chart

3.3.1. Graphic 18.3.1 gives an overview of the water quality modelling process, including any necessary updates to the model and the steps that will be taken to ensure accurate representation of the water bodies of interest. Critically, the model update will take place in two stages, initially using current available data and then again following the collation and review of additional field data once collected.



Graphic 18.3.1 Stages to be used for the River Catchment water quality modelling

3.4. Pre-calibration checks

Model refinement

- 3.4.1. During their initial development, Simcat models covering multiple regions across England and Wales were based largely on national datasets available through the Environment Agency. Therefore, when using Simcat at a local waterbody scale it is essential to check model inputs and outputs against additional recent data collected within the assessment area to ensure that the model performance is acceptable.
- 3.4.2. As identified in Section 3.2, the water quality model refinement will take place in two stages in this project, as dictated by the availability of data. The initial stage will use currently available data² (from public and private sectors) to update the model structure and features where necessary, alongside the calibration of observed against predicted estimates of flow and river quality. Following this, a second stage of model refinement will be necessary when new monitoring data from the 2017/2018 Project field surveys will be available to improve the representation of the catchment. The model may need to be calibrated again following the addition of the new monitoring data.
- 3.4.3. The refined model will be used to support the assessments for the Environment Statement for the Project. The initial model will be used to support the PEIR.

Model structure

- 3.4.4. As a first step, the model features and their spatial location within the assessment areas will be checked. This includes the location and interaction of features such as tributaries, abstractions, sewage treatment works, industrial discharges, water quality and flow monitoring stations and known intermittent discharges within the catchments. Other pre-calibration model checks may include, for example:
 1. Review relevant default values in the model where no real data was available (discharge quality, head water flows);
 2. Review and update headwater areas/flows;
 3. Update decay rate of substances (where applicable);
 4. Update time-of-travel of substances; and
 5. Set up the model files to represent relationship between diffuse inputs and river flow.
- 3.4.5. If the model structure is found to be correct the calibration will proceed to the next step. If incorrect (e.g. incorrect connection between tributaries, missing, known discharge features or abstractions) the model will be updated based on available data from the Environment Agency, National River Flow Archive or defaults (e.g. values already included within the Simcat model) where necessary. Any available and relevant data from surveys (e.g. land quality and groundwater investigations) undertaken for the Project will also be used. Any changes made will be recorded in the model databases including date, description and who undertook the work. A

² As set out in the surface water quality, groundwater and land quality baseline reports
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model log will also be set up to record details of each model run and the criteria used, so changes can be tracked throughout the lifetime of the project.

- 3.4.6. Figure 18.3.2 demonstrates the connectivity of the reaches in the model and their relationship to WFD water bodies. The example model shown is a simplification of all the various water bodies and interlinkages surrounding the Project but represents the dynamics of the environment accurately to enable simulation of different construction scenarios and their impact on water quality objectives.

3.5. Calibrating SAGIS/Simcat

Flow calibration

- 3.5.1. Following model structure checking, the next stage evaluates model performance to ensure flows are represented accurately. This includes flows from sewage treatment works and the surface waters/ rivers within the model area. For this task, flow data from sewage treatment works within the catchment will be obtained from relevant stakeholders such as the Environment Agency and Thames Water for the same period used for producing the water quality baseline report (i.e. 2014-2016³). This will be checked against the data already contained within the model databases and against more recent data, if available, to ensure that the data remain representative. If the mean flow (MI/d) data of point sources contained within the model database is different from that provided by the Environment Agency or Thames Water, the model will be updated with the data collated within the baseline report for the Project.
- 3.5.2. In addition to the flow data for the sewage works, data from river flow gauging stations will be used to check flows within the Simcat model and update them where necessary. Where no new data is available from the gauging stations, the river flows included in the model database will be used as the default. Observed river flow data has been sought for eight sites. A further four potential sites have been identified which could be included for later refinement of the model upon collation of 2018 survey data if required, i.e. if there is uncertainty as to the model calibration (Table 18.3.3)

River	Assessment area	Gauging station name	NGR	Station ID	Comments
Pinn	Colne	Pinn at Uxbridge	TQ062826	39098	
Colne	Colne	Colne at Denham	TQ051863	39010	
Crane	Crane	Crane at Cranford Park	TQ103778	39057	
	Crane	Crane at Marsh farm	TQ154734	39094	
Thames	Thames	Thames at Staines	TQ034713	39111	
	Thames	Thames at Walton	TQ099670	39121	
Wraysbury River	Colne	Wraysbury river	TQ033717		Flow gauges in model but not on NRFA website
Colne Brook	Colne	Colne brook Hythe	TQ019723		Flow gauges in model but not on NRFA website
Horton Brook	Colne	NONE			

³ At the time of producing the report and setting up the model the 2014-2016 period was deemed to be the most up to date and comprehensive dataset available.

Frogs Ditch	Crane	NONE			No gauging station noted in the SAGIS model
Portlane Brook	Thames	NONE			
	Thames	NONE			

Table 18.3.3 River flow gauge sites from the Simcat model to be updated

- 3.5.3. After updating the flows, the Simcat model will be run and observed mean and Q95 flows at each of the gauging stations will be compared to the modelled mean and Q95 flows and the ratios between them will be calculated. If the modelled flows are within $\pm 10\%$ of the observed flows then the model will be considered acceptable. Alternatively, if the modelled flows are not within $\pm 10\%$ of the observed then the ratios calculated between the observed and the modelled flows will be used to update the mean and Q95 flows of the waterbody within the Simcat model. For any water bodies without observed flow data the median of the ratios for other water bodies will be used.
- 3.5.4. Subsequent to the completion of all flow updates, the Simcat model will be run again and the observed mean and Q95 flows at the gauging stations will be compared to the modelled flows to ensure accurate representation. Accurate flow representation is crucial as it forms the basis of the dilution applied to pollutant concentrations in-river.
- 3.5.5. Additional data will become available following the completion of new river flow gauging and an accretion study looking at the interaction between groundwater and surface water in the Colne catchment. This new data will be reviewed in conjunction with the modelled flows and any major discrepancies investigated to ensure that the model remains robust and that any differences between observed and modelled flows are understood.

Water Quality calibration

- 3.5.6. Water quality calibration applies to the accurate representation of the amount of each determinand predicted in surface waters using the Simcat model and has to be undertaken on a substance by substance basis. The example below describes the process undertaken for phosphate (used as a proxy for the steps to be taken for all determinands). The rationale behind the calibration steps is based on the assumption that the steps undertaken before the water quality calibration (i.e. refining model structure and flow) will optimise the representation of point source inputs so that any remaining error in model predictions is attributable to diffuse or intermittent inputs (that are then adjusted as part of the calibration process).
- 3.5.7. The first stage involves checking that the phosphate concentration data in the model for discharges (e.g. sewage treatment works) within the catchment are accurate. Data on phosphate concentrations in effluent discharges will be obtained from Thames Water and updated in the Simcat model, which includes a mean and standard deviation for each discharge feature.
- 3.5.8. After completing the update of discharge quality data, the Simcat model will be run and, as before, the modelled phosphate concentrations will be compared to observed phosphate concentrations at river water quality monitoring locations

where data is available from the Environment Agency (or monitoring from the Project at a later stage). For best comparison, water quality monitoring sites will be chosen at the lower end of the WFD water bodies within the model. If the model is evidently under or over predicting by more than 10%, the major diffuse inputs within the catchment will be altered iteratively based on the ratio of the observed to modelled phosphate concentration at the water quality monitoring locations. (Additionally any point source inputs which did not have new data entered will also be reviewed). Diffuse and/or intermittent (CSO) input sectors will be adjusted based on monitoring data collected (on the assumption that point sources discharges are well represented in Simcat) until the model is predicting phosphate concentrations which are close to the observed monitoring data (see section 3.5). This approach is the same as that commonly used by the Environment Agency and will be followed for all determinands used in the modelling exercise.

- 3.5.9. Additional determinands will be added to the database and calibrated based on monitoring data collected during the 2017/2018 monitoring programme at a later stage⁴. Determinands included in the model will be prioritised depending on the number of exceedances of EQSs at monitoring sites across the catchment and the likely determinands which could be impacted by construction or operational phases of the Project. Similarly, additional land quality data will become available at a later stage in the modelling project which will also be integrated into the catchment model. Diffuse runoff from different land quality parcels in the catchment may affect the concentrations of some chemicals in surrounding water bodies, so following the addition of this data the model may require recalibration. This will be assessed at a later stage once sufficient new monitoring data becomes available (e.g. six months).

Calibration statistics and evaluation method

- 3.5.10. To ensure calibration alterations improve the accuracy of quantification of pollutant loads in surface waters, a single test method will be used to assess the outcomes of calibration adjustments. The method of scoring calibration improvements will be based on the percentage agreement of pre (baseline) and post calibrated data to quantify the magnitude of difference between predicted and observed concentration estimates. Ideally, all of the water quality concentration data predicted by the model should be within 10% of the observed water quality data to ensure an accurate representation of reality when modelling different scenarios. This will provide a statistical value with which the agreement between the observed and predicted concentrations of each chemical can be quantified, and allow scoring/ranking of the outcome of each calibration change. The calibration that achieves the best percentage agreement between observed and predicted load/concentration will be taken forward for use in the scenario modelling. This will be decided using the matches between annual averages (observed) and model output concentrations at all sample points. Any differences between observed and model outputs that cannot be corrected will be noted and used in interpreting the model results of future scenarios.
- 3.5.11. As previously mentioned, additional monitoring data will become available during the Project and will be integrated into the model. This will likely result in repeated

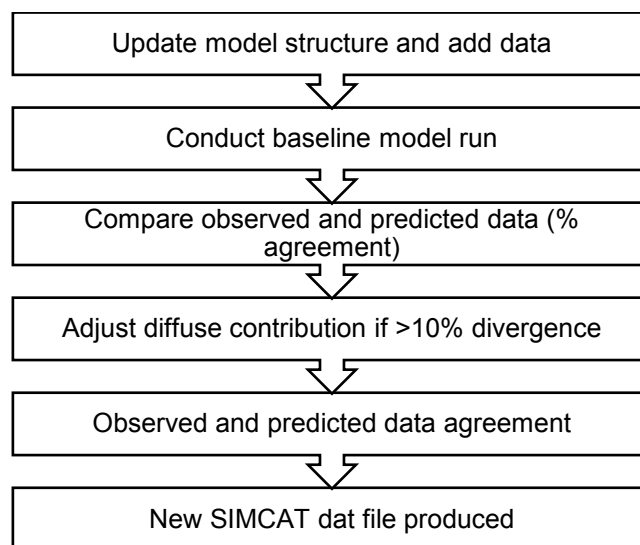
⁴ If enough data is available this will be undertaken for the PEIR
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calibration checks (a two-stage calibration) to ensure any new data does not alter the agreement between observed and predicted in-river concentrations or flow dynamics within the catchment.

- 3.5.12. Additionally if a determinand or site has a divergence of greater than 10% between the modelled and observed data that cannot be resolved (e.g. calibration using reasonable adjustments still leads to a difference of greater than 10%) agreement will be sought from the Environment Agency on how the model output should be interpreted.

3.6. Refining the calibration

- 3.6.1. Upon completion of any relevant surveys being undertaken for the Project in 2018, the Simcat model will be updated with the new data and the steps noted in sections 3.1 through 3.5 will be run through again to check if any changes to the model are required.
- 3.6.2. This refinement is expected to also include additional data such as river flow gauging and an accretion study looking at the interaction between groundwater and surface water in the Colne catchment (as the main area where land use change and alterations to river channels are expected). The accretion data (the gradual increase or decrease in flow of a stream attributable to runoff, seepage, or ground water discharge) will be added to the model in the water bodies where field data is available. Following the addition of this data, the model will need to be recalibrated to ensure that the observed and modelled flows still agree within a margin of 10%.
- 3.6.3. No accretion or detailed groundwater surveys are planned for the Crane or Thames catchments as no significant land use changes are planned to the same scale as will be the case in the Colne. As such, for the catchment modelling the calibration will rely on the EA's calibration augmented with the basic checks noted in this section.



Graphic 18.3.1 Steps to be undertaken for the calibration statistics and evaluation method

3.7. Modelling different scenarios

Updating the river structure within the model

- 3.7.1. As a result of the construction of new infrastructure for the Project and changes to the water environment (e.g. the covered river corridor and changes to river channels) we anticipate changes in the structure of the river connections within the water quality model will be necessary. The modelling of the different scenarios will be based on the refined calibration that will be completed after 2018 surveys are finished.
- 3.7.2. The scenario modelling will aim to assess the different construction/expansion scenarios for the Project, and will encompass any changes to the surrounding landscape, water bodies, discharge features, diffuse inputs and abstractions in the catchment. This will be undertaken for the following features using the process detailed below:
1. Physical changes to waterbody length or diversion of watercourse (including bifurcations if required)
 - a) Modifications to watercourse length can be made in the relevant section of the model '.dat' file, depending on whether watercourses will be shortened or lengthened in each scenario. These changes may also have implications for the connectivity of reaches, in which case the next downstream reach number will need to be updated in the '.dat' file to ensure the river sequence matches.
 - b) Similarly, diversion of watercourses requires an adjustment in the '.dat' file to be made that alters the reach length and connectivity to the next downstream reach. If a bifurcation is necessary as the result of a watercourse diversion this feature will be added to the '.dat' file and the proportion of flow attributable to each downstream reach will be included as well as reach information.
 2. Additional discharges or changes to existing discharges
 - a) If, during the modelling and development of scenarios additional point source discharges (trade/ industry/municipal) are identified or new discharges are planned, these will be added using the following: location, point of discharge to the river, discharge flow and water quality information. Intermittent discharge features are more complex, given that the information available on flow, quality and their impact on water bodies is uncertain, and it is likely to be more appropriate to use RQP in these cases to assess transient effects on water quality.
 3. Additional abstractions
 - a) The current water quality model already has an extensive number of licensed abstractions in the local area. These are predominantly used for spray/ non-spray irrigation which is assumed to only occur for half of the year (during the warmer months).
 - b) Where additional or newly located abstractions may occur as a result of the Project or future plans, these will be added as features to the '.dat' file.

Accompanying information on the source water body and the abstracted flow will be added alongside the location.

4. Culverting or covering of existing watercourses

- a) Proposed culverted watercourses or covered river corridors will be represented in the model as an abstraction and discharge point at the most upstream and downstream point of the culvert respectively. It is likely that detailed design information for proposed culverts will not be available at this stage, in which case a “worst case” scenario will be assumed, that the length of watercourse will have no interaction with groundwater.

5. Land use changes

- a) The Project will ultimately lead to alterations in the use and surface water runoff. These changes will be reflected in the model by modifying the diffuse runoff quantity and quality from different land use types (for example agricultural/livestock, agricultural/arable, highway runoff, urban runoff).

6. Construction and operational time periods

- a) During construction phases we will make a reasonable prediction as to what the land surface will be at that specific stage in the programme. Construction and development of land in proximity to any watercourse will increase the risk of diffuse runoff of both pollutants and sediment into the catchment. Additionally, it is unknown whether during this period any buffer strips will be in place to limit runoff into surface waters. Therefore during construction phases of the Project changes will be made to the amount of diffuse runoff and the chemical quality, which will be higher in suspended sediment and nutrients (N and P) based on construction plans and best practice techniques for the stretches of river that will be affected.

Scenario modelling

3.7.3. For each scenario, it is assumed that several model runs will be necessary. These could include:

1. A baseline run, showing the current situation
2. During runway construction (one run showing effects of temporary works although multiple runs may also be required: this will be reviewed as the assessment progresses).
3. Following completion of the Project construction (one run of the final masterplan for the Project), i.e. during full operation. This will also produce data which will feed into the reservoir and lake modelling (Section 4).

3.7.4. Covering all three scenarios will allow comparisons to be drawn across the lifecycle of the Project.

3.8. Presenting modelling results

Spatial mapping

- 3.8.1. Outputs of the water quality modelling, including the results of different scenarios, will be presented in a series of georeferenced layers displayed in GIS. This will allow spatial representation of changes to water quality across the catchments in relation to the Project and additional habitat/ecological drivers.

Graphical outputs

- 3.8.2. To demonstrate the results of all modelling scenarios, figures and graphs will be produced to evaluate the effects of the Project. We anticipate that this will include the following:
1. River Profile – flow and load of specific pollutants along the channel of the key rivers;
 2. EQS pass/failures;
 3. River length compliant; and
 4. Habitat quality/score/loss of habitat.
- 3.8.3. The number and water quality locations that are the focus of the graphs will be tailored to those EQS exceedances and at risk stretches of water bodies in the model. Similarly, it is anticipated that water bodies in closest proximity to the most significant physical or land use changes will be the focus of the graphical reporting.

4. Reservoir and lake modelling

4.1. Overview

- 4.1.1. The purpose of this methodology section is to describe the proposed approach to simulating nutrient concentrations in still waters (lakes and reservoirs) that could potentially be impacted by the Project. Nutrients were selected as the determinands of concern based on the designation and compliance requirements of the Southwest London waterbodies SPA.
- 4.1.2. Current legislation (e.g. the Water Framework Directive, 2000/60/EC) sets out environmental quality standards in terms of pollutant concentrations. However, it is not straightforward directly to estimate changes in nutrient concentrations in still waters resulting from changes in concentrations in inflows. The proposed methodology is therefore based around the estimation of nutrient loads (i.e. kg/year) entering and leaving the waterbodies, from which resulting nutrient concentrations can then be estimated.
- 4.1.3. The methodology comprises two distinct elements:
 1. A simple approach to estimating nutrient budgets for still waters; and, if required;
 2. More detailed modelling of nutrient cycling and retention in the still waters.
- 4.1.4. No consideration is given in this methodology to assessment of the effects of changes in nutrient concentrations on the ecology of the still waters. Instead this methodology will provide the evidence to support later ecological assessments.

4.2. Still waters included in the proposed assessment

Still waters Heathrow Expansion Project

- 4.2.1. Six still waters, comprising five reservoirs and one lake, have been identified based on presence in the water quality assessment area and potential for them to be impacted by the Project (see Table 18.3.4 Surface areas of reservoirs included in the proposed assessment)
- 4.2.2. The five reservoirs supply drinking water to London and are fed by abstraction from the River Thames. The lake, Wraysbury No. 2, is a disused gravel pit which has been allowed to flood with groundwater.
- 4.2.3. WFD Reservoir and lake surface areas are provided in Table 18.3.4⁵. Some of the still waters also have amenity value (e.g. birdwatching; sailing on Queen Mother Reservoir, angling at Wraysbury No. 2), and four have nature conservation designations (i.e. Special Protection Area (SPA), Ramsar site and Site of Special Scientific Interest (SSSI), see Table 18.3.5).
- 4.2.4. It may be necessary to include other lakes or reservoirs that might later be found to require assessment. These assessments will be specific to each lake depending on the impact the Project will have and the needs of other parallel workstreams such as Biodiversity.

⁵ Still waters that are not designated under the WFD or part of the southwest London SPA are not included in the modelling but will be assessed separately as part of the EIA.

Reservoir / Lake (WFD waterbody ID)	Surface area (km2)
The Queen Mother Reservoir (GB30642334)	1.91
Wraysbury Reservoir (GB30642417)	1.83
Wraysbury No 2 (GB30642489)	0.53
King George VI Reservoir (GB30642488)	1.38
Staines Reservoir North (GB30642490)	0.7
Staines Reservoir South (GB30642525)	1

Table 18.3.4 Surface areas of reservoirs included in the proposed assessment

Reservoir / Lake	Designation
Wraysbury Reservoir (GB30642417)	Ramsar Site (Conservation of Wild Birds Directive)
Wraysbury No 2 (GB30642489)	SSSI (waterbird populations)
King George VI Reservoir (GB30642488)	SPA (South West London waterbodies)
Staines Reservoir North and South	Ramsar Site (Conservation of Wild Birds Directive)

Table 18.3.5 Reservoir designations

4.3. Proposed Methodology

4.3.1. The proposed approach to estimating nutrient budgets comprises the following steps:

1. Development of a conceptual model of each; and
2. Constructing a nutrient budget for each.

Conceptual models

4.3.2. In order to characterise the principal sources and pathways of nutrients to each reservoir, we propose to develop a conceptual model of each. There are a number of potential sources and pathways for nutrients to reservoirs, although it is likely that only some of them will be applicable in each case.

4.3.3. Potential pathways to the reservoirs and lakes include:

1. Surface runoff from the wider topographic catchment to the reservoir. This will not apply to embanked reservoirs, for which the catchment will extend only to the top of the bank and will thus include only a very small area;
2. Via groundwater, for reservoirs and lakes which are groundwater fed or hydraulically connected to groundwater;
3. Atmospheric deposition; and
4. Direct inputs, for example from birds or via fish populations, or in water pumped into the reservoir for storage (the latter will be informed by the River Catchment modelling undertaken with Simcat; see Section 3).

4.3.4. A conceptual model will be developed of each reservoir that identifies all applicable pathways for nutrients to the reservoir. This will include working with the groundwater modelling team to ensure that the conceptual models of the reservoirs are consistent with their understanding, and information from the ecology team on fish and bird populations will inform the assessment of potential inputs from birds and fish. All applicable sources of nutrients that could reach the reservoir/lake via those pathways will then be identified.

Nutrient budgets

Basic estimate

- 4.3.5. A simple nutrient budget for each of the still waters will be constructed. This will entail the estimation of nutrient loads (kg/year) entering the reservoir from each of the principal sources. Nutrient loads in each inflow will be estimated from flow and nutrient concentration data.
- 4.3.6. The total nutrient load removed from the still waters in kg/year will also be calculated (e.g. water taken from the reservoirs and treated for drinking water). In theory, and in the absence of any losses from the system (i.e. retention), the nutrient concentration in each waterbody is simply the flow-weighted average of the nutrient concentrations in the inflows.
- 4.3.7. It is recognised that reservoir water quality and nutrient loads will vary seasonally, and for that reason it is proposed to estimate annual nutrient budgets.
- 4.3.8. The proposed calculation methods by which each of the input and output terms will be estimated are shown in Table 18.3.6, although the precise methods adopted will depend on the available data. Ideally, calculations will be carried out for 3 years to allow for some inter-annual variability in nutrient budgets. Depending on data availability, calculations will determine the loads of:
1. Total Inorganic Nitrogen (nitrate, ammonium, nitrite), or if data are not available, nitrate; and
 2. Total phosphorus, or, if data are not available, orthophosphate.

Nutrient loading term	Calculation method
Input in water from R Thames	Nutrient input estimated from river water quality data and abstraction volumes. Ideally, calculations will use weekly or more frequent data to capture variations in source water quality.
Catchment runoff	Nutrient inputs where there is a direct pathway from the catchment into the waterbody (i.e. the waterbody is not embanked). This is likely to require the use of model outputs, and use of SA-GIS output is proposed.
Atmospheric deposition	Estimated from literature values, or if available, from detailed modelling supplied by the Projects Air Quality team.
Inputs from fish and waterbirds	Estimated from bird breed/feeding habit, fish and bird population numbers and literature values for nutrient inputs by birds and fish.
Offtake in abstracted water	Nutrients removed estimated from reservoir water quality and abstraction volumes. Ideally, calculations will use weekly or more frequent data to capture variations in source water quality.

Table 18.3.6 Nutrient budget calculation methods

4.3.9. Theoretically the difference between the total load input and the total load removed will give an indication of nutrient retention in the still waters. In practice, some of the inputs will be uncertain, and so there will also be some uncertainty in the estimates of retention. Since retention acts to reduce nutrient concentrations in still waters, if the uncertainty in estimates of retention is prohibitively large, it will be conservative to assume no retention and that changes in nutrient loads entering the lakes and reservoirs will cause proportional changes in concentrations (i.e. an increase in loading of 1% compared with the baseline will cause an increase in concentration of 1%). It will also be possible to gauge whether any retention is occurring by direct comparison of the water quality in the Thames at the point of abstraction (if the water at the abstraction point is monitored) and the reservoir water quality. If there is a significant difference in nutrient concentrations between the two (i.e. nutrient concentrations in the reservoir are lower than those in the river) this would indicate that some retention is occurring in the reservoir.

Simulation of nutrient retention

- 4.3.10. Depending on the depth of each reservoir or lake, volume of water held and flushing rate, it is possible that some nutrient retention may be occurring. In this context, nutrient retention refers to removal of phosphorus or nitrogen from the water column through sedimentation or uptake by aquatic organisms, and removal of nitrogen from the water column by denitrification.
- 4.3.11. A number of equations to estimate nitrogen and phosphorus retention in lakes and reservoirs are presented in the literature. Published equations will be used to estimate the degree of nutrient retention in the still waters. Examples of some possible approaches are presented below but the approach adopted will depend on the data available.

Nitrogen retention

- 4.3.12. Tomaszek and Koszelnik (2003) developed an empirical model of nitrogen retention in reservoirs, based on data from seven reservoirs in southern Poland. They found that nitrogen retention was principally a function of hydraulic retention time (HRT) and the nitrogen loading in the reservoir, and could be expressed in the form:

$$N_{ret} = \frac{1}{(1+HRT)^a} N_{retmax}^a,$$

where

$$N_{retmax} = (N_{load} + N_{pool})/n.$$

- 4.3.13. N_{load} is the monthly N loading to the reservoir (g/m²), N_{pool} is the nitrogen mass in the reservoir at the beginning of the month (g/m²), HRT is the hydraulic retention time (monthly) and n the number of days in the month. The coefficient a has a value $a=0.957 \pm 0.072$.
- 4.3.14. Saunders and Kalff (2001) studied nitrogen retention in rivers, lakes and wetlands, and found that differences in the proportion of retained N could be

explained almost entirely by differences in discharge rate. They presented regression relationships between nitrogen retention and loading and found that, of the various mechanisms of retention, denitrification was the most significant.

4.3.15. For lakes, they found a regression relationship of the form:

$$y = 2.53 + 0.34x,$$

in which y is N retention ($\text{g}/\text{m}^2/\text{yr}$) and x is N loading ($\text{g}/\text{m}^2/\text{yr}$) ($r^2=0.80$).

Phosphorus retention

4.3.16. One of the most widely adopted models of phosphorus retention in lakes is that developed by Vollenweider (1968, 1975). This assumes that the loss of phosphorus to sedimentation is proportional to the phosphorus concentration in the lake, and can be expressed as:

$$PV = \frac{M/V}{(Q/V)+\sigma},$$

4.3.17. In which P is lake phosphorus concentration (g/m^3), V = lake volume (m^3), M = annual mass loading of phosphorus input to the lake (g/yr), Q = annual outflow from the lake (m^3/yr) and σ a sedimentation coefficient (y^{-1}).

4.3.18. This last parameter, σ , is often poorly constrained and difficult to measure. Based on an analysis of data from 21 European and North American lakes, Vollenweider (1976) estimated values of σ to be equal to approximately ($10 / \text{mean depth of lake}$).

4.3.19. Kirchner and Dillon (1975) proposed a modified model:

$$P = \frac{M(1-R_p)}{Q},$$

where R_p is the proportion of phosphorus lost to sedimentation, and is calculated as:

$$R_p = v / (v + q_s).$$

4.3.20. Here, v is the apparent settling velocity and q_s the areal hydraulic load. This avoids the need to know the depth of the lake. Dillon et al (1994) suggested values of v of 12.4 or 7.2, for lakes with an oxic or anoxic hypolimnion, respectively.

4.4. Summary of data requirement

4.4.1. The data requirement to carry out nutrient budget calculations and retention calculations is summarised in Table 18.3.7. Historical monitoring data will be sought from Thames Water or the Environment Agency for the periods required.

Nutrient loading term	Calculation method
Water quality data (R Thames at point of abstraction)	Total Inorganic Nitrogen or nitrate concentrations, and Total Phosphorus or orthophosphate concentrations. Preferably for a period of 3-4 years.
Water quality data (reservoir)	Total Inorganic Nitrogen or nitrate concentrations, and Total Phosphorus or orthophosphate concentrations. Preferably for a period of 3-4 years.

Nutrient loading term	Calculation method
Abstraction volume from R Thames	Ideally at a temporal resolution that matches the water quality data, or better, for the same 3-4 year period.
Offtake volume from reservoir	Ideally at a temporal resolution that matches the water quality data, or better, for the same 3-4 year period.
Reservoir depth and volume	Typical or mean values of water depth and total water volume held.
Reservoir surface area	Typical or mean value.
Atmospheric deposition	Estimated baseline rates of deposition of nitrogen and phosphorus.
Bird numbers by species	Estimated waterfowl populations. Period of residence on reservoir if they are migratory.
Fish numbers by species	Estimated fish populations.

Table 18.3.7 Data requirement for nutrient budget and retention calculations

4.5. Conclusion for lakes modelling

4.5.1. This note sets out a proposed methodology for the estimation of baseline nutrient concentrations in still waters in the assessment area. The method will provide estimates of nutrient loadings from applicable sources and resulting nutrient concentrations in the waterbodies. These outputs will enable later estimation of the potential changes in nutrient concentrations resulting from the Project, and their assessment for significance, and hence inform any required mitigation strategies.

4.6. References

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Kirchner, W.B. and P.J. Dillon. (1975). An empirical model for estimating retention of phosphorus in lakes. *Water Resour. Res.* 2:182-183.

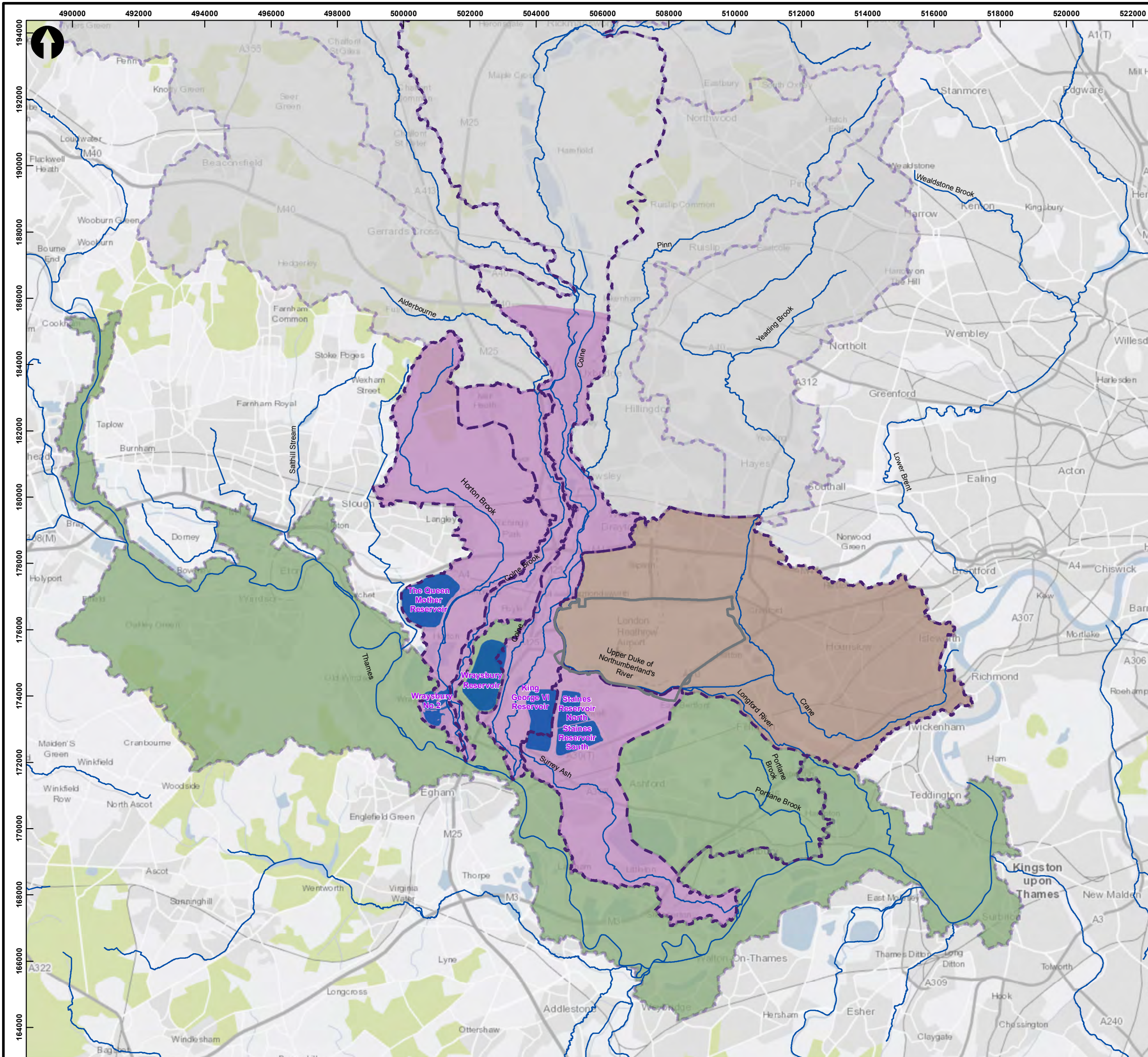
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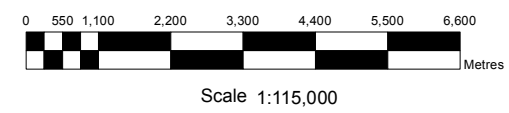
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- Heathrow Planning Boundary
- Local surface water study area
- Wider surface water study area
- River Colne surface water study area
- River Crane surface water study area
- River Thames surface water study area
- WFD Lakes
- WFD Rivers



Heathrow

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Project Name Heathrow Expansion Project	Heathrow Project No. HEP53

Title
Figure 18.3.1: Draft Assessment Area

Company Wood	Drawn By EASTR	Chk/Approved DAVISP	Drawn Date 10/05/2018	Status FINAL
Location-Level-Sub Series/System-Identifier HEP53-XX-GA-XXX-000161				Version 1.0



Appendix 18.4

Flood Risk Assessment Method Statement

This report has already been issued to some stakeholders for their consideration. As such, the report, the description of the development and some of the terminology used reflects the point in time that the report was produced and may differ from that presented in Volume 1 of this Scoping Report



Heathrow Expansion
Flood Risk Assessment
Method Statement

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Heathrow Expansion Project: Flood Risk Assessment

Method Statement

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Public

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0.2	18-12-2017	Updated to include design standards and climate change allowances table
0.3	22-03-2018	HAL Review
0.4	03-04-2018	Update post HAL review
0.5	17-04-2018	Update post Legal Review

Stakeholders

Name	Role
	Stakeholders are the nominated persons the document is to be issued to
HAL	Heathrow as client

Approved: Name: Name

Role: Task Order Manager

Internal

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1. Introduction

1.1. Background

- 1.1.1. Heathrow is proposing to develop a third runway at the existing Heathrow airport. The Heathrow Expansion Project (the Project) will include associated on and offsite facilities and infrastructure, as well as transport infrastructure changes that include modification of the M25 between junctions 14, 14a and 15 and replacing and re-routing local roads such as the A4 and A3044.
- 1.1.2. The original purpose of this document was to brief the Environment Agency (EA) and Lead Local Flood Authorities (LLFAs) on the development of the Flood Risk Assessment (FRA) baseline for the Project in order for the EA to provide comment on the proposed scope and approach. Following consultation with those parties, the document is now included as an appendix to the Scoping Report in order to provide supporting information to Chapter 18: Water Environment regarding the proposed approach to the FRA. The Project is classed as a Nationally Significant Infrastructure Project (NSIP) under the Planning Act, 2008 (the Act) and is subject to an application for a Development Consent Order (DCO) to the Planning Inspectorate (PINS) under the Act.
- 1.1.3. An Environmental Statement (ES) is a statutory component of a DCO application and the Flood Risk Assessment (FRA) will comprise an appendix to the ES, extracts from which will be reported in the ES. The ES is preceded by the Scoping Report, of which this document comprises an appendix, and a Preliminary Environmental Information Report (PEIR).
- 1.1.4. The Scoping Report, PEIR and ES will be subject to public consultation with statutory and non-statutory stakeholders. The key statutory consultees in relation to the FRA include the Environment Agency, in its capacity as principal regulator, and the relevant Lead Local Flood Authorities (LLFAs).
- 1.1.5. As part of the initial stages of FRA and ES preparation, it is important to robustly establish the flood risk baseline in order to ensure that all consultees are appraised with the pertinent risks and to ensure that absolute transparency between developer and consultees is established (to be maintained throughout the consultation process leading up to the submission of the DCO application).
- 1.1.6. This is a live document and will be updated throughout the Project reflecting ongoing engagement with stakeholders.

1.2. Document Outline

- 1.2.1. The remainder of this document provides relevant background information on:
 - The proposed scheme
 - Relevant policy and guidance
 - Climate change allowances

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- Design standards
- FRA definitions,
- Baseline definitions, and
- Baseline data sources.

2. Project Overview

2.1.1. An overview of the Project can be found in Chapter 3 of the Scoping Report.

2.2. Project Elements That Interact With Flood Risk

2.2.1. From a flood risk perspective, the main project elements of interest are:

- The western areas of the project area located in mapped areas of fluvial flood risk (in accordance with Environment Agency flood mapping).
- The proposed diversion of several main river watercourses located to the northwest and west of the existing Heathrow complex.
- Interaction with Ordinary Watercourses (as yet undefined);
- Loss of floodplain storage and the need to provide compensatory flood storage zones;
- Enhanced flow conveyance through the diversion structures due to proposed net shortening and straightening of existing channel flow paths;
- The management of surface water runoff from the new runaway and associated infrastructure.

2.3. Watercourse diversions

2.3.1. The current proposals are to divert all watercourses adjacent to the new runway for the diverted watercourses to run under the new runway and to then re-emerge to the south of the new runway, approximately opposite the existing Terminal 5 building.

2.3.2. The changes to the channel configuration and the development will result in the loss of floodplain storage zones to the west and northwest of the existing Heathrow complex. As such, proposals are being developed that will provide compensatory storage.

2.3.3. Furthermore, the net length of watercourse is likely to be shorter than at present and thus there is the potential to convey a greater volume of water at a higher velocity through the diversion structures, however, the potential impacts to downstream receptors are expected to be mitigated in the design of the structures.

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2.4. Project Timeline

- 2.4.1. An outline of the anticipated construction timeline is provided in Chapter 3 of the Scoping Report. The indicative period for construction of the new runways and other component required to enable the runway to operate is 2021 to 2026. Construction of the terminals and other associated infrastructure is expected to continue until approximately 2035.
- 2.4.2. It is necessary to provide a nominal lifetime for the development for planning purposes. Since current climate change projections are provided in ranges, the most far out being the '2080s' (assumed to include the period covering 2070 to 2115) it will be assumed for the purposes of this assessment only that the development lifetime ends within that period, however, the design timeline will be refined at a later date.

3. Planning Context, Guidance and Requirements

3.1. National Policy Statements

- 3.1.1. The Project falls under Section 23 of the Planning Act 2008 (the Act) as a Nationally Significant Infrastructure Project (NSIP). Under Section 31 of the Act, development consent is required to the extent that it is, or forms part of, an NSIP. Development consent is granted by the making of a Development Consent Order (DCO) for which an application may be made to the Planning Inspectorate (PINS) under Section 37 of the Act.
- 3.1.2. The consultation period for the Heathrow Expansion: draft Airports National Policy Statement (NPS) [Ref 1] closed on May 25, 2017 and , once designated by the Secretary of State, this NPS will set out policy for the Project and will materially affect the decisions taken by the Secretary of State for Transport on the Project DCO application. A revised draft ANPS was published in October 2017.
- 3.1.3. The key requirements of a FRA as set out in the revised draft NPS are that it should:
 - Consider the risk to third parties of all forms of flooding arising from the development as set out in the preferred scheme, in addition to the risk of flooding to the development itself, and demonstrate how these risks will be managed and, where relevant, mitigated, so that the development remains safe throughout its lifetime;
 - Take into account the impacts of climate change, clearly stating the development lifetime over which the assessment has been made;
 - Consider the need for safe access and exit arrangements at all stages of the development;

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- Include the assessment of residual risk after risk reduction measures have been taken into account, and demonstrate that this is acceptable for the development;
 - Consider if there is a need for the scheme to remain operational during a worst case flood event (the definition of which is to be defined) over the lifetime of the preferred scheme; and
 - Provide evidence for the Secretary of State to apply the Sequential Test and Exception Test, as appropriate.
- 3.1.4. Equivalent guidance is provided in the National Networks NPS, which is also relevant to the Project.

3.2. National Planning Policy Framework

- 3.2.1. The National Planning Policy Framework (NPPF - 2012) acts as guidance for local planning authorities and decision-makers, both in drawing up plans and making decisions about planning applications. This is supported by online Planning Practice Guidance on Flood Risk and Coastal Change [Ref 2].
- 3.2.2. In addition, the EA produced updated guidance in 2016 for climate change allowances for FRA to support NPPF (subsequently updated in February 2017) [Ref 3].
- 3.2.3. Although NPPF and the associated Planning Practice Guidance are not the primary source of planning guidance for NSIP developments, they do provide additional relevant guidance on a range of issues, including the definition of flood zones, development vulnerability classifications, compatibility of development types and flood zones, and appropriate allowances for the effect of climate change.

3.3. Local Planning Policy and Guidance

- 3.3.1. The principal statutory consultee on flood risk is the Environment Agency. However, on matters concerning works to Ordinary Watercourses, the Lead Local Flood Authorities (LLFAs) are also statutory consultees, which in some cases comprise the local authority and, in others, the unitary authority. A list of applicable Local Authorities and LLFA responsibilities is provided in
- 3.3.2.
- 3.3.3. Table 18.4.1.

Table 18.4.1 List of relevant local authorities and LLFA designations

Local authorities likely to be intersected by the Heathrow Expansion Project		
Local Authority	LLFA Responsibilities	LLFA (if other)
Hillingdon Borough Council	✓	-

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Local authorities likely to be intersected by the Heathrow Expansion Project		
Slough Borough Council	✓	-
Spelthorne Borough Council	✗	Surrey County Council - Surrey Flood Risk Partnership Board
Hounslow Borough Council	✓	-
Three Rivers District Council	✗	Hertfordshire County Council - The Buckinghamshire Strategic Flood Management Committee
South Bucks District Council	✗	Buckinghamshire County Council

- 3.3.4. To meet its statutory requirements under the Flood Risk Regulations 2009 [Ref 4] the Environment Agency has produced Flood Risk Management Plans (FRMP) for a series of River Basin Districts (RBD) throughout England. The Thames FRMP is pertinent to the Project FRA. While in the context of the Project the Thames FRMP is high level, it nonetheless provides a useful insight into the relevant issues in the project area and thus will be reviewed and accounted for in the FRA.
- 3.3.5. Other sources of information are provided in the respective Local Authority and LLFA documents shown in Table 18.4.2.

Table 18.4.2 List of relevant Local Authority and LLFA documents

	PFRA ¹	SFRA ²	FRMS ³ or FRMP	SWMP ⁵	SuDS ⁶	SFG ⁷
Hillingdon Borough Council	✓	✓	✓	✓	✓	✓
Slough Borough Council	✓	✓	✓	✓		✓
Spelthorne Borough Council	✗	✓	✗	✗	✓	✓
Hounslow Borough Council	✓	✓	✓ (draft)	✓	✗	✓
Three Rivers District Council	✗	✓ (1 & 2)	✗	✗	✗	✗
South Bucks District Council	✓	✓ (1 & 2)	✓	✓	✗	✗
Hertfordshire County Council	✓	✗	✓	✗	✗	✓
Surrey County Council	✓	✗	✓	✗	✓	✓

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Buckinghamshire County Council	x	x	✓	x	x	✓
Notes: <ol style="list-style-type: none"> 1. Preliminary Flood Risk Assessment 2. Strategic Flood Risk Assessment: unless otherwise stated, all SFRAs are Level 1 3. Flood Risk Management Strategy 4. Flood Risk Management Plan 5. Surface Water Management Plan 6. Sustainable Drainage Systems: where local Authority have produce their own SuDS advice notes 7. Supplemental Flood Guidance: where local Authorities have produced their own supplemental flood risk and/or drainage advice notes 						

4. Climate Change

4.1. Climate change guidance overview

- 4.1.1. Overarching guidance on climate change is provided in NPPF (updated 2017) which broadly replicates the guidance set out in in the 'Adapting to Climate Change: Guidance for Flood and Coastal Erosion Risk Management Authorities' [Environment Agency, 2016 - Ref 3]. This document is supplemental to 'Flood and Coastal Erosion Risk Management Appraisal Guidance (FCERM-AG)' [Environment Agency, 2010 - Ref 5].

4.2. Climate change allowance: river flow

- 4.2.1. Peak river flow climate change allowances will be required to determine the appropriate baseline hydrology for hydraulic modelling.
- 4.2.2. The Environment Agency (2016) also advises that an assessment should be made of the upper end projections to ensure the long-term resilience of the development, noting that the upper end estimate may not be applicable to every site. It is proposed to only provide an assessment of upper end scenarios for permanent infrastructure if applicable.
- 4.2.3. Peak river allowances for climate change for the Thames RBD, as reported in Environment Agency (2016) are shown in Table 18.4.3.

Table 18.4.3 Peak river flow climate change allowances (use 1961 to 1990)

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Allowance Category	Total potential change anticipated for the '2020s' (2015 to 2039)	Total potential change anticipated for the '2050s' (2040 to 2069)	Total potential change anticipated for the '2080s' (2070 to 2115)
Upper (90 th %ile)	25%	35%	70%
Higher Central (70 th %ile)	15%	25%	35%
Central (50 th %ile)	10%	15%	25%
Lower (10 th %ile)	-5%	0%	5%

4.2.4.

4.2.5.

4.2.6.

4.2.7. Table 18.4.3 also demonstrated that in a number of what are defined as 'non-standard catchments', more extreme projections were observed and are known as H++ scenarios. These H++ allowances are also provided in 'Adapting to Climate Change: Guidance for Flood and Coastal Erosion Risk Management Authorities' (2016) and are shown in Table 18.4.4. The application of H++ will be proposed at a later date as the project develops.

Table 18.4.4 H++ peak river flow climate change allowances (use 1961 to 1990)

Non-standard Catchment RBD	Total potential change anticipated for the '2020s' (2015 to 2039)	Total potential change anticipated for the '2050s' (2040 to 2069)	Total potential change anticipated for the '2080s' (2070 to 2115)
Thames	25%	40%	80%
Note:			
H++ allowances taken as 90th percentile from 'Enhanced-High' impact curves for 50-year return period flood peaks, using high emissions for 2080s but medium emissions for 2020s and 2050s (Adaptation Sub-committee, 2015)			

4.3. Climate change allowance: rainfall

4.3.1. Rainfall data, principally in the form of Intensity Duration Frequency (IDF) data (otherwise known as Depth Duration Frequency – DDF), may be used to undertake assessments as to the adequacy of drainage schemes, to calculate runoff from construction facilities and calculate design flows at watercourse crossings.

4.3.2. The most up to date guidance was obtained from the 2016 update of the Environment Agency (EA) 'Adapting to Climate Change: Advice for Flood and

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Coastal Erosion Risk Management Authorities' (2016) [Ref 3] to ensure that climate change factors have been taken into account.

- 4.3.3. Peak rainfall intensity allowances for small and urban catchments are shown in Table 18.4.5

Table 18.4.5 Peak rainfall intensity allowance in small and urban catchments

Allowance Category	Total potential change anticipated for the '2020s' (2015 to 2039)	Total potential change anticipated for the '2050s' (2040 to 2069)	Total potential change anticipated for the '2080s' (2070 to 2115)
Upper end	10%	20%	40%
Central	5%	10%	20%

- 4.3.4. We propose using the rainfall climate change allowances as given in the above table and applying them to 1961-1990 baseline values of IDF/DDF rainfall and rainfall data used in drainage modelling. For the same reasons set out for river flow above, we will only apply the change factor for the 2080s for permanent drainage scheme assessment .
- 4.3.5. As with river flood flows, it is recommended that the 2080s changes are used when considering any time from 2100 on. The 2020s covers the period 2015 to 2039, the 2050s the period 2040 to 2069, and the 2080s the period 2070 and 2099. These ranges should be used in assessments in a similar way to the illustration set out for river flood flows. Furthermore, no H++ scenarios for rainfall are given in any of the guidance we have reviewed and thus we propose not to include an assessment of H++ scenarios for rainfall.

4.4. Climate change allowance: sea level

- 4.4.1. Sea level rise is not applicable to the Project as, while all of the diverted watercourses discharge into the Thames at Staines, Staines is well upstream of the accepted tidal limit at Teddington Lock, some 28 km (by river) downstream.

4.5. Climate change and development lifespan

- 4.5.1. Two time periods are applicable to the FRA. The first is the main construction period, which is expected to occur between 2021 and 2026 (although with some construction continuing until approximately 2035). The second is the operational period, which is assumed to be between 2026 (the year of planned opening of the runway) and between 2070. In summary, we will assume the 2020s scenario is applicable to construction period and the 2080s climate change scenarios to

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assess the operational phase. On this basis and we propose the following application of climate change projections:

- For the construction period, stream and river flows will be increased by 10% which represents the change factor for up to the 2020s for the Thames river basin district.
- For operational infrastructure (including all water related elements) stream and river flows will be increased by 25% which represents the change factor for the 2080s for the Thames river basin district.
- Where applicable on the basis of identified risk, we will undertake an assessment of the upper end scenario for up to the 2080s for operational infrastructure and, if required, and will be based on an increase in river flows by 70%.
- Design rainfall (for drainage modelling for example) will be increased by 20% which represents the change factor for the 2080s.

5. FRA Definitions

5.1.1. Throughout this report, 'Annual Exceedance Probability' (AEP) terminology is used to describe the magnitude and likelihood of a flood event. AEP expresses the probability of a flood occurring in a given year. For example, what is often referred to as a '1 in 100 year flood event' will be referred to as a '1% AEP event' (i.e. a flood with a 1 in 100 or 1% probability of occurring in any given year).

5.1.2. Flood Risk Zones are set out as follows:

Flood Zone 1 (Low probability): Land having less than a 1 in 1,000 or 0.1% AEP of river or sea flooding.

Flood Zone 2 (Medium probability): Land having between a 1 in 100 (1%) and 1 in 1,000 (0.1%) AEP of river flooding; or land having between a 1 in 200 (0.5%) and 1 in 1,000 (0.1%) AEP of sea flooding

Flood Zone 3a (High probability): Land having a 1 in 100 (1%) or greater AEP of river flooding; or land having a 1 in 200 (0.5%) or greater AEP of sea flooding.

Flood Zone 3b (Functional Floodplain): Land where water has to flow or be stored in times of flood. Planning authorities should identify in their Strategic Flood Risk Assessments areas of functional floodplain and its boundaries accordingly, in agreement with the EA. The extent of the 5% AEP event is often used as a proxy for Flood Zone 3b, although it is not part of the official definition.

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6. Defining the Flood Hazard Baseline

6.1. Fluvial Flood Hazard Baseline

- 6.1.1. It is important to highlight the requirement for defining the fluvial baseline, vis a vis:
- A) To provide the basis for ensuring that all risks to the Project are appropriately assessed and appropriately mitigated, and
 - B) To ensure that there is no increase in flood risk to off-site receptors as a result of the development (for example, by ensuring that any losses of floodplain storage are appropriately mitigated in terms of providing new compensatory flood storage zones).
- 6.1.2. Due to the complex nature of the development, the following states apply
- 1) Baseline model of existing watercourses required to provide the flood risk hazard baseline (a) off-site, (b) on-site during construction prior to watercourses being diverted, and (c) on-site during operation in areas aside from areas potentially impacted by the proposed watercourse diversions.
 - 2) Baseline model for the operational development once the watercourses have been diverted. This will effectively be the 'new baseline' and the results of the model will be used to update the EA flood risk mapping coverage where applicable.
- 6.1.3. The baseline fluvial flood hazard throughout the site will be defined by a new hydraulic model that is being developed by the Project team in consultation with the Environment Agency.
- 6.1.4. This model will consider the two main phases of (i) construction and (ii) operations. Due to the anticipated scale of the development, the construction schedule will extend over a number of years. Accordingly, both the baseline conditions and the effects are expected to be continuously evolving, particularly as elements of the scheme such as the major earthworks, river diversions and new roads are constructed. To take account of this, the FRA will be undertaken for a number of different phases. The assessment will cover the year of maximum effect from construction activities. Additional years may be incorporated, if necessary, to account for factors such as the peak earthworks phase, peak above ground infrastructure construction phase and pre- and post-river diversions.
- 6.1.5. Firstly, the 0.1%, 1% and 5% AEP flood extents (i.e. Flood Zones 2, 3 and 3b) will be remapped using the new hydraulic model based on input hydrology that will be based on peak river flow allowances for climate change for the Central 2020s scenarios (see Table 18.4.3) which reflects the baseline during the commencement of the development, anticipated to be in 2021. This includes an allowance for climate change through from the current accepted baseline period of 1961 to 1990.

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- 6.1.6. A further climate change scenario will be run for the 2080s change factor in order to assess future development scenarios as impacted by climate change.

6.2. Surface Water Flood Hazard Baseline

- 6.2.1. The Environment Agency (EA) currently provides surface water flood risk mapping (also known as pluvial) that is based on hypothetical scenarios in which a design volume of rainfall is assumed not to infiltrate the ground surface and to runoff in accordance with the underlying topography, to include anthropogenic influences.
- 6.2.2. In order to assess whether the development could increase existing pluvial flood risks, the existing publicly available Environment Agency surface water flood risk mapping will be reviewed to understand existing surface water flow pathways. It is currently assumed that this will be sufficient to inform the FRA. However, if, as work progresses, it becomes clear that that publicly available data is insufficient to robustly assess the impact of the development, including the impacts of climate change, with respect to pluvial flood risk, then the development of a pluvial flood model will be considered at an appropriate scale and in discussion with the Environment Agency.

6.3. Groundwater Flood Hazard Baseline

- 6.3.1. The primary source of assessing groundwater flood risk in the UK is via the British Geological Survey (BGS) susceptibility to groundwater flooding dataset and mapping (see <http://www.bgs.ac.uk/research/groundwater/datainfo/GFSD.html>).
- 6.3.2. The BGS mapping provides three risk classes: A (limited potential for groundwater flooding to occur); B (potential for groundwater flooding of property situated below ground level) and; C (Potential for groundwater flooding to occur at the surface).
- 6.3.3. While the BGS mapping provides a useful resource for preliminary assessments, its conceptual risk classification approach is not based on physical simulation processes that aim to map actual groundwater flood depths and thus will not provide an adequate basis for more detailed assessments of the potential impacts arising to or from the Project. Moreover, many of the general assumptions used in the BGS approach will not apply around Heathrow given the highly modified nature of the sub-surface, including the presence of landfills.
- 6.3.4. Currently, Heathrow is developing an approach for groundwater baseline definition and impact assessment and it is anticipated this may involve an element of numerical modelling, proposals for which are outlined in the numerical groundwater modelling Method Statement. It is also planned to use the new groundwater model to test a number of scenarios in order to assess the effects of engineering structures and activities on receptors, and, where those are significant, to assess the performance of mitigation measures to reduce the effects. The effects on groundwater may include the following:

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- Changes in groundwater levels and groundwater flow direction due to dewatering during construction
- 6.3.5. Changes in groundwater flow due to the construction of low permeability barriers below the water table (e.g. sheet piles, coffer dams, tunnels and basements that penetrate the gravel aquifer), as well as high permeability 'drainage' corridors
- 6.3.6. The likely impact to the flood hazard baseline will be quantified in terms of:
- Changes in groundwater head from the baseline condition;
 - Changes in groundwater inflows and outflows to rivers, other surface water features and other areas not defined by river courses from the baseline condition.
- 6.3.7. Model outputs from the scenario testing will therefore enable an assessment of groundwater flood risk compared to the baseline condition, drawing on information regarding:
- The extent and timing of likely groundwater flooding where modelled groundwater levels rise above the ground surface elevation;
- 6.3.8. The spatial extent and rate of discharge of groundwater into other areas that are not defined by river courses.
- 6.3.9.

6.4. Surface Water Runoff and Drainage Baseline

- 6.4.1. An understanding of the current surface water runoff and drainage baseline will allow a comparison to be made against the post-development drainage, in particular surface water discharges to receiving watercourses to demonstrate no increase in flood risk as a result of the Project.
- 6.4.2. Runoff rates from the existing partially developed site would be calculated, along with Greenfield runoff rates from the same area, to provide two drainage baseline scenarios for this comparison. Baseline runoff will be calculated in accordance with current good practice, such as given in CIRIA C753. Preliminary and intermediate studies may be based on the UKSUDS online calculation tool (see <http://www.uksuds.com/drainage-calculation-tools/greenfield-runoff-rate-estimation>), or similar.
- 6.4.3. There is a variety of drainage infrastructure (i.e. piped networks, constructed wetlands, balancing ponds, spillways, outfall structures etc.) in and around the existing Heathrow site and significant new drainage systems are likely to be proposed as part of the Project. It possible that the new Project drainage system may be combined with existing systems in places.
- 6.4.4. Because of the potential for the existing Heathrow drainage system to be affected by the Project, and for the new drainage system to interact with the existing system, it is important that the existing drainage baseline captures the conditions of existing Heathrow Environmental Permits concerning surface water discharges

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insofar as maximum rates and methods of achieving these rates are all understood for the positively drained areas of the site.

6.5. Reservoir Flood Hazard Baseline

- 6.5.1. There are a number of sizeable pumped storage surface water reservoirs to the south of the development area, all of which are embanked several metres above the ground level. As such, these reservoirs have no contributing surface water catchments and no surface spillways.
- 6.5.2. There is a residual risk of breach of the reservoir embankments, though this is of low probability given the stringent regulation of the Reservoirs Act and resultant periodic inspection and maintenance requirements.
- 6.5.3. The Environment Agency provides reservoir flood risk mapping that assumes a breach at predetermined (due to some conceived weakness) locations in the reservoirs in the area. Heathrow has purchased the reservoir flood risk mapping and this mapping will provide the baseline flood hazard for reservoirs.

6.6. Sewer Flood Hazard Baseline

- 6.6.1. Currently data holdings with regards to sewer flood records stems from information garnered from those strategic flood risk assessments identified in Table 18.4.2. As such, this currently is the only basis on which to inform a sewer flood hazard baseline. In 2018 LLFA's and Thames Water will be contacted regarding access to sewer flood records for surface, foul, combined sewers and for highways drainage.
- 6.6.2. Nonetheless, the information extracted from the aforementioned respective SFRAs will be tabulated and a qualitative baseline established in terms of (a) principal locations at risk of sewer flooding, (b) the typical extent of any sewer floods (which tend to be highly localised).

6.7. Other Artificial Sources of Flood Hazard

- 6.7.1. Other sources of artificial flood hazard include canals and aqueducts, a number of which can be found upstream of the M4. No flood risk maps exist with which an assessment of risk to the development from artificial sources could be made.
- 6.7.2. Given the lack of canal failure risk mapping, we will undertake an analysis based on assumed water discharges through potential breaches of the canal network that, for example, could occur at certain elevated reaches, locks and junctions which have been observed upstream of the M4. This analysis will be undertaken in consultation with the Canal and River Trust in order to potentially acquire information on canal geometry, water volumes and infrastructure operation.
- 6.7.3. The canal breach assessment will enable us to develop risk maps in order to assess whether the effects of any canal breaches may propagate far enough down the Colne Valley such that the Project site and associated developments and construction areas may be impacted.

7. Design Standards and Climate Change Summary

7.1. Overview

- 7.1.1. This section sets out the design and assessment standards that will underpin the Project FRA, including climate change allowances as discussed in Section 4 of this Method Statement.

Table 18.4.6 Design Standards and Climate Change Requirements

Heathrow Expansion Project: FRA Assessment Scenarios and Development Vulnerability

Development Type	Vulnerability Classification	Estimated Lifetime	Flood Zone Compatibility		Climate Change Allowances	Discussion / Assumptions
			Flood Zone 3	Flood Zone 2		
1. Infrastructure (Fluvial Risks)						
Runway, aprons, terminals, on-airfield emergency services, public access & egress and M25 and local roads, airfield fuel storage & distribution	Essential Infrastructure	2026 – 2115 (2080s epoch assumed for climate change)	Permitted but Exception Test required, based on worst case event ^{a,b}	Permitted	Upper End (+70%) for 2080s epoch ^f	<p>a) The Draft Airports NPS¹ states that the applicant should "Consider if there is a need to remain operational during a worst case flood event over the preferred scheme's lifetime".</p> <p>b) The determination of a worst case scenario is based on whichever scenario gives the worst case from the 1% AEP event +70% or the 0.1% AEP with no climate change allowance added.</p> <p>c) Other than for essential infrastructure, in demonstrating Part 2 of the Exception Test, the determination of the development element being safe will be based on the design 1% AEP event plus the requisite climate change allowance.</p> <p>d) Throughout the HEP ground levels will be significantly modified such that a new "baseline" flood zone map will be defined that will provide the basis for determining the safety of the operational site and for applying the Sequential and Exception Tests. However, the original baseline will provide the basis for ensuring that the HEP will not result in an increase in flood risk elsewhere in the surrounding area.</p> <p>e) For ancillary infrastructure it is currently assumed that the core functionality and operation of the airport, to include safe access and egress, will be maintained during a worst case flood event although it is assumed that some disruption would be acceptable but that the design and an associated Flood Management Plan (FMP) would ensure it is minimised and that operations and safety will remain sufficiently resilient to flooding during the event and that normal operations would be expediently resumed after the event.</p> <p>f) NPPF³ states essential infrastructure in FZ2 should "use the higher central and upper end to assess a range of allowances", in FZ3a/3b "use the upper end allowance" and, less vulnerable in FZ2 "use the central allowance", in FZ3a "use the higher central allowance". Less vulnerable development not permitted in FZ3b.</p> <p>g) The H++ scenario will only be considered to assess requirements for potential further climate change adaptation measures over the lifetime of the development. No designs will be based on the H++ scenario.</p> <p>h) Central Allowance will be applied for design of any sensitive aspects of this infrastructure such as power supplies or control equipment.</p>
Installations requiring hazardous substances consent (exc. airfield fuel storage and distribution)	Highly Vulnerable		Not permitted	Exception Test required ^c	Higher Central to Upper End (+35 to +70%) ^f	
Landfills	More Vulnerable		Exception Test required ^c	Permitted	Central to Higher Central (+25% to 35%) ^f	
Airfield infrastructure not critical to continued operations during a worst case flood event (i.e. grounds maintenance facilities, car parking etc.)	Less Vulnerable		Permitted	Permitted	Central to Higher Central (+25% to 35%) ^f	
Off-airfield supporting facilities and airport related development (e.g. cargo, freight forwarding, catering, maintenance, logistics, offices etc.)			Permitted	Permitted	Central (+25%) ^h	
Amenity open space, biodiversity, sports and recreation, flood control infrastructure, sand and gravel working	Water Compatible	Permitted	Permitted	Central (+25%) ^h		

2. Mitigation (Fluvial Risks)

Heathrow Expansion Project: FRA Assessment Scenarios and Development Vulnerability

Development Type	Vulnerability Classification	Estimated Lifetime	Flood Zone Compatibility		Climate Change Allowances	Discussion / Assumptions
			Flood Zone 3	Flood Zone 2		
River diversions operation	Water Compatible	2026 – 2115 (2080s epoch assumed for climate change)	Permitted	Permitted	Central (+25%) ^c	<p>^a River diversions and flood storage zones will be designed to ensure that there is no increase in flood risk in the surrounding area (upstream and downstream of the development), to include the appropriate allowance for climate change, as agreed with the Environment Agency (meeting of Sep 28, 20176)</p> <p>^b Since the river diversion and flood storage compensation schemes are essentially mitigation measures, their design will be considered as part of an integrated flood modelling framework with the overall aims of ensuring that (a) the development is safe, and (b) that there is no increase in flood risk in the surrounding area.</p> <p>^c The covered river corridor and associated open channel diversion structures will be designed to a 1% AEP +35% (Higher Central) standard in terms of ensuring no increase of flood risk to people and property elsewhere. Furthermore, a +70% climate change allowance (Upper End) will also be used to stress test.</p> <p>^d The compensatory storage areas will be designed to a 1% AEP +35% (Higher Central) standard in terms of ensuring no increase of flood risk to third parties.</p>
Flood storage zones operation						

3. Flood Protection for Construction (Fluvial Risks)

Site prep, strip, demolition, earthworks	Less Vulnerable	2021 – 2026 (2020s epoch assumed for climate change)	Permitted	Permitted	Central and Higher Central (+10% and +15%)	<p>^a Detailed information on construction methods, activities and phasing are not yet available to inform FRA approaches.</p> <p>^b A site specific sequential approach to flood risk, based on existing mapping, will be taken with respect to the location of construction activities (i.e. construction compounds, welfare/amenity facilities and sensitive plant) in order to steer these elements towards lower risk flood zones.</p> <p>^c Further to Note b above, it is accepted that construction activities will need to be undertaken in FZ2, 3a and 3b. Therefore, in addition to a sequential approach being taken at the planning stage, the safety of operatives and sensitive plant will be further be subject to the implementation of a rigorous Flood Management Plan.</p> <p>^e It is anticipated that flood risk mitigation will primarily comprise the provision of robust flood management plans that will be based on existing flood maps to advise egress routes to lowest risk flood zones as opposed to being based on flood modelling output.</p>
Construction of infrastructure						

5. References

1. Draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England. Presented to Parliament pursuant to Section 9(2) of the Planning Act 2008. February 2017.

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Heathrow Expansion Project: FRA Assessment Scenarios and Development Vulnerability

Development Type	Vulnerability Classification	Estimated Lifetime	Flood Zone Compatibility		Climate Change Allowances	Discussion / Assumptions
			Flood Zone 3	Flood Zone 2		
						2. Department for Environment, Food and Rural Affairs Sustainable Drainage Systems Non-statutory technical standards for sustainable drainage systems. March 2015.
						3. Department for Communities and Local government. Flood Risk and Coastal Change (http://planningguidance.communities.gov.uk/blog/guidance/flood-risk-and-coastal-change/). March 2014.
						4. Flood Risk Assessments: Climate change allowances (https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances). February 2017.
						5. London Sustainable Drainage Action Plan (Draft for consultation) (https://www.london.gov.uk/sites/default/files/lldap_final.pdf). October 2015.
						6. Minutes of Meeting with Environment Agency and HEP IDT, Arup, London, September 27, 2017.

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8. Baseline Data Sources

8.1. Overview

8.1.1. A variety of input data will be required to inform the FRA baseline and its associated analyses. These can broadly be split into third party data that will either be procured or extracted from public documents and/or websites, and within project.

8.2. Baseline Third Party Data

- OS Mastermap (properties & infrastructure and rivers network layers)
- Flood zones 2 and 3 mapping (from EA)
- Sewer flooding records (from respective local authorities and LLFAs)
- Flood alert and flood warning areas (from EA)
- Spatial flood defences without attributes (from EA)
- Flood storage areas mapping (from EA)
- Recorded flood outlines (from EA)
- Risk of flooding from river or sea mapping (from EA)
- Surface water flood risk mapping (from EA)
- Spatial flood defences with standardised assets (from EA)
- Groundwater flood risk mapping (from British Geological Survey)
- Geological mapping (from British Geological Survey)
- LiDAR (from EA)
- Aerial photography (provided under license from project data team)
- Hydraulic models (Lower Colne Catchment and Colne upstream of Denham)
- Observed river flow data
- Sewer network maps from Thames Water
- Sewer flooding records from Thames Water and LLFAs
- Details of Reservoir operation including location and type of spillways
- Assumptions behind EA's reservoir breach modelling in the area e.g. location of breaches- are these sufficient for what we need?

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- Historic flood maps

8.3. Baseline Data Generated By Analyses

8.3.1. Baseline data generated by analyses includes:

- FEH DDF rainfall
- Greenfield runoff rates (UKSUDS on line tool)
- Flow statistics (from observed flow data)
- Fluvial flood levels (from modelling described in Section 6.1)
- Surface water flood depths (from new HAL model of SW flooding)
- Groundwater levels (from new HAL groundwater model)
- Reservoir flood depths (from EA model output and topo analysis)
- Drainage outputs (from HAL drainage strategy and modelling)

9. Glossary

Term/ abbreviation	Description
AEP	Annual exceedance probability
BGS	British Geological Society
DCO	Development consent order
DDF	Depth duration frequency
EA	Environment Agency
EIA	Environmental Impact Assessment
ES	Environmental Statement
ESR	Environmental Scoping Report
FCERM-AG	Flood and coastal erosion risk management – appraisal guidance
FRA	Flood risk assessment
FRMP	Flood risk management plan
HAL	Heathrow Airport Limited
IDF	Intensity depth duration
LLFA	Lead local flood authority
NPS	National policy statement
NPPF	National Planning Policy Framework
NSIP	Nationally significant infrastructure project
PINS	Planning Inspectorate
RBD	River basin district

10. Bibliography

Creator	Title	Publisher and place of publication	Date of publication
Department for Transport	Draft Airports National Policy Statement: new runway capacity and infrastructure at airports in the South East of England	Her Majesty's Stationary Office	October 2017
Department for Communities and Local Government	National Planning Policy Framework: Flood Risk and Coastal Change	https://www.gov.uk/guidance/flood-risk-and-coastal-change	Mar 2014
The Environment Agency	Adapting to Climate Change: Advice for Flood and Coastal Erosion Risk Management Authorities	The Environment Agency (Online: https://www.gov.uk/government/publications/adapting-to-climate-change-for-risk-management-authorities)	Sep 2011 (Updated Apr 2016)

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Legislation.gov .uk	Flood Risk Regulations	Legislation.gov.uk	2009
The Environment Agency	Flood and Coastal Erosion Risk Management appraisal guidance	The Environment Agency	Mar 2010



Appendix 18.5

WFD Water Bodies

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WFD Water Bodies



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WFD Waterbody Information (extracted from Catchment Data Explorer, February 2018)									
WFD Waterbody Name	WFD Waterbody ID	River Basin District / River Basin Management Plan	Operational Catchment	Waterbody Designation	Waterbody Type	Overall Status (2016)	Ecological Status (2016)	Chemical Status (2016)	Elements not achieving Good (2016)
LOCAL SURFACE WATER STUDY AREA									
Rivers									
Colne Brook	GB106039023010	Thames	Colne	HMWB	River	Moderate	Moderate	Good	Fish (Moderate) Phosphate (Poor) Mitigation Measures Assessment (Moderate)
Crane	GB106039023030	Thames	Crane Rivers and Lakes	not HMWB	River	Poor	Poor	Good	Fish (Moderate) Invertebrates (Moderate) Macrophytes and phytobenthos (Poor) Hydrological regime (Does not support good) Dissolved oxygen (Moderate) Phosphate (Poor)
Horton Brook	GB106039023040	Thames	Colne	not HMWB	River	Moderate	Moderate	Good	Invertebrates (Moderate) Phosphate (Moderate)
Colne (Confluence with Chess to River Thames)	GB106039023090	Thames	Colne	HMWB	River	Moderate	Moderate	Good	Hydrological regime (does not support good) Phosphate (Poor) Mitigation Measures Assessment (Moderate)
Surrey Ash	GB106039023480	Thames	Colne	HMWB	River	Moderate	Moderate	Good	Phosphate (Moderate) Mitigation Measures Assessment (Moderate)
Portlane Brook	GB106039023451	Thames	Crane Rivers and Lakes	HMWB	River	Moderate	Moderate	Good	Invertebrates (Moderate) Phosphate (Moderate) Mitigation Measures Assessment (Moderate)
Surface water transfers									
Upper Duke of Northumberland's River	GB806100108	Thames	Crane SWT	AWB	Surface Water Transfer	Moderate	Moderate	Good	Mitigation Measures Assessment (Moderate)
Longford River	GB806100109	Thames	Crane SWT	AWB	Surface Water Transfer	Moderate	Moderate	Good	Mitigation Measures Assessment (Moderate)
Lower Duke of Northumberland's River	GB806100095	Thames	Crane SWT	AWB	Surface Water Transfer	Moderate	Moderate	Good	Mitigation Measures Assessment (Moderate)
Lakes									
The Queen Mother Reservoir	GB30642334	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Mitigation Measures Assessment (Moderate)
Wraysbury Reservoir	GB30642417	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Total phosphorus (Bad) Mitigation Measures Assessment (Moderate)
Wraysbury Lake (Wraysbury No1 Gravel Pit)	GB30642430	Thames	Thames Lower	AWB	Lake	Poor	Poor	Good	Macrophytes and Phytobenthos Combined (Poor) Phytoplankton (Moderate) Mitigation Measures Assessment (Moderate)
King George VI Reservoir	GB30642488	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Phytoplankton (Moderate) Total phosphorus (Poor) Mitigation Measures Assessment (Moderate)
Wraysbury No 2 (Wraysbury II Gravel Pit/ Wellapool Lake)	GB30642489	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Mitigation Measures Assessment (Moderate)
Staines Reservoir (North)	GB30642490	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Total phosphorus (Bad) Mitigation Measures Assessment (Moderate)
Staines Reservoir (South)	GB30642525	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Phytoplankton (Moderate) Total phosphorus (Bad) Mitigation Measures Assessment (Moderate)
Heron Lake	GB30642538	Thames	Colne	AWB	Lake	Moderate	Moderate	Good	Mitigation Measures Assessment (Moderate)
GROUNDWATER STUDY AREA									
Lower Thames Gravels	GB40603G000300	Thames GW	Colne GW	n/a	Groundwater	Good	Good	Good	n/a
WIDER SURFACE WATER STUDY AREA									
Rivers									
Pinn	GB106039023070	Thames	Colne	HMWB	River	Moderate	Moderate	Good	Phosphate (Moderate) Mitigation Measures Assessment (Moderate)
Alderbourne	GB106039023080	Thames	Colne	not HMWB	River	Moderate	Moderate	Good	Macrophytes and Phytobenthos combined (Moderate) Hydrological regime (Does not support good)
Tykeswater	GB106039023100	Thames	Cole	not HMWB	River	Moderate	Moderate	Good	Macrophytes and Phytobenthos combined (Moderate) Hydrological regime (Does not support good) Phosphate (Poor)
Upper Colne and Ellen Brook	GB106039029820	Thames	Colne	not HMWB	River	Poor	Poor	Good	Invertebrates (Moderate) Macrophytes and Phytobenthos combined (Poor) Hydrological regime (does not support good) Dissolved oxygen (Moderate) Phosphate (Moderate)
Misbourne	GB106039029830	Thames	Colne	not HMWB	River	Moderate	Moderate	Good	Fish (Moderate) Macrophytes and Phytobenthos combined (Moderate) Hydrological regime (Does not support good)
Colne (from confluence with Ver to Gade)	GB106039029840	Thames	Colne	not HMWB	River	Moderate	Moderate	Good	Macrophytes and Phytobenthos combined (Moderate) Hydrological regime (Does not support good) Phosphate (Moderate)
Colne (upper east arm including Mimshall Brook)	GB106039029850	Thames	Colne	not HMWB	River	Bad	Bad	Good	Fish (Bad) Invertebrates (Poor) Macrophytes and Phytobenthos combined (Moderate) Phosphate (Moderate)

Gade (from confluence with Bulbourne to Chess)	GB106039029860	Thames	Colne	HMWB	River	Poor	Poor	Good	Macrophytes and Phytobenthos combined (Poor) Hydrological regime (Does not support good) Phosphate (Moderate) Mitigation Measures Assessment (Moderate)
Chess	GB106039029870	Thames	Colne	not HMWB	River	Moderate	Moderate	Good	Fish (Moderate) Macrophytes and Phytobenthos combined (Moderate) Hydrological regime (Does not support good) Phosphate (Poor)
Bulbourne	GB106039029890	Thames	Colne	HMWB	River	Poor	Poor	Good	Invertebrates (Moderate) Macrophytes and phytobenthos (Poor) Hydrological regime (Does not support good) Mitigation Measures Assessment (Moderate)
Gade (Upper stretch Great Gaddesden to confluence with Bulbourne/GUC)	GB106039029900	Thames	Colne	not HMWB	River	Bad	Bad	Good	Macrophytes and Phytobenthos combined (Bad) Hydrological regime (Does not support good) Dissolved oxygen (Moderate)
Ver	GB106039029920	Thames	Colne	not HMWB	River	Moderate	Moderate	Good	Macrophytes and Phytobenthos combined (Moderate) Hydrological regime (Does not support good) Dissolved oxygen (Moderate)
Yeading Brook	GB106039023051	Thames	Crane Rivers and Lakes	HMWB	River	Moderate	Moderate	Good	Invertebrates (Poor) Ammonia (Poor) Dissolved oxygen (Bad) Phosphate (Poor) Mitigation Measures Assessment (Moderate)
Thames (Cookham to Egham)	GB106039023231	Thames	Thames Lower	HMWB	River	Moderate	Moderate	Good	Phosphate (Moderate) Mitigation Measures Assessment (Moderate)
Thames (Egham to Teddington)	GB106039023232	Thames	Thames Lower	HMWB	River	Poor	Poor	Good	Macrophytes and Phytobenthos Combined (Poor) Phosphate (Moderate) Temperature (Moderate) Mitigation Measures Assessment (Moderate)
Transitional									
THAMES UPPER	GB530603911403	Thames	Thames TraC	HMWB	Transitional Water	Moderate	Moderate	Fail	Hydrological regime (Does not support good) Mitigation Measures Assessment (Moderate) Tributyltin compounds (Fail)



Heathrow Expansion
Abstraction

Appendix 18.6

Abstraction

Heathrow Expansion Abstraction



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FID	LIC_NO	POINT_NAME	PURPOSE	SUBPURPOSE	USE	Source	Aquifer	Start month	End month	Receptor group
0	28/39/26/0071	MONKEY ISLAND LANE POINT 'A'	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	River Gravels	1	12	WE12
1	28/39/26/0077	BOREHOLE 'B' AT WATER OAKLEY FARM, WINDSOR, BERKS	Agriculture	General Agriculture	Spray Irrigation - Spray Irrigation Definition Order	GW	River Gravels	10	9	WE12
2	28/39/26/0077	BOREHOLE 'C' AT WATER OAKLEY FARM, WINDSOR, BERKS	Agriculture	General Agriculture	General Farming & Domestic	GW	River Gravels	10	9	WE12
3	28/39/26/0133	BRAY GRAVEL PIT POINT 'A'	Industrial, Commercial And Public Services	Mineral Products	General Use Relating To Secondary Category (Medium Loss)	GW	River Gravels	4	3	WE12
4	28/39/27/0003	DATCHET PUMPING STATION 'A'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
5	28/39/27/0003	DATCHET PUMPING STATION 'B'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
6	28/39/27/0003	DATCHET PUMPING STATION 'C'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
7	28/39/27/0003	DATCHET PUMPING STATION 'D'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
8	28/39/27/0003	DATCHET PUMPING STATION 'E'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
9	28/39/27/0003	DATCHET PUMPING STATION 'F'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
10	28/39/27/0003	DATCHET PUMPING STATION 'G'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
11	28/39/27/0003	DATCHET PUMPING STATION 'K'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
12	28/39/27/0003	DATCHET PUMPING STATION 'L'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk	1	12	WE13
13	28/39/27/0033	CHERTSEY PUMPING STATION POINT J	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Gravels	4	3	WE12
14	28/39/27/0045	SLOUGH SEWAGE TREATMENT WORKS - WELL 'B'	Water Supply	Public Water Supply	General Use Relating To Secondary Category (Medium Loss)	GW	River Gravels	1	12	WE12
15	28/39/27/0045	SLOUGH SEWAGE TREATMENT WORKS - WELL 'C'	Water Supply	Public Water Supply	General Use Relating To Secondary Category (Medium Loss)	GW	River Gravels	1	12	WE12
16	28/39/27/0045	SLOUGH SEWAGE TREATMENT WORKS - WELL 'D'	Water Supply	Public Water Supply	General Use Relating To Secondary Category (Medium Loss)	GW	River Gravels	1	12	WE12
17	28/39/27/0047	CLEWER MILL STREAM AT WINDSOR RACECOURSE	Industrial, Commercial And Public Services	Racecourses	Spray Irrigation - Direct	SW		1	12	WE8
18	28/39/27/0047	RIVER THAMES AT WINDSOR RACECOURSE	Industrial, Commercial And Public Services	Racecourses	Spray Irrigation - Direct	SW		1	12	WE8
19	28/39/27/0050	W/COURSE WITH LAKE AT ROWLEY FARM RIVER FRONTAGE 'A' & 'B'	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		6	9	WE1
20	28/39/27/0063	ETON COLLEGE, WINDSOR BH 'A'	Industrial, Commercial And Public Services	Schools And Colleges	Make-Up Or Top Up Water	GW	River Gravels	1	12	WE12
21	28/39/27/0064	RIVER THAMES AT SUNNYMEADS PUMPING STATION INTAKE	Water Supply	Public Water Supply	Potable Water Supply - Direct	SW		1	12	WE8
22	28/39/27/0092	ETON PUMPING STATION	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	Chalk & River Gravels	1	12	WE12, WE13
23	28/39/27/0094	LALEHAM GOLF CLUB - BOREHOLE B	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	River Gravels	2	9	WE12
24	28/39/27/0104	STAINES WORKS PUMPING STATION (EMERGENCY)	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Gravels	1	12	WE12
25	28/39/27/0110	SLOUGH NURSRIES, UXBRIDGE ROAD, SLOUGH	Agriculture	General Agriculture	General Farming & Domestic	GW	Chalk	1	12	WE13
26	28/39/27/0111	HOME PARK, WINDSOR BH 'A'	Industrial, Commercial And Public Services	Municipal Grounds	Spray Irrigation - Direct	GW	River Gravels	4	8	WE12
27	28/39/27/0117	STOKE POGES GARDENS OF REMEMBRANCE, BUCKS	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Spray Irrigation - Direct	GW	Chalk	3	11	WE13
28	28/39/27/0125/R01	ROWING LAKE AT DORNEY, BERKS BH 'A'	Agriculture	General Agriculture	General Farming & Domestic	GW	Chalk	4	3	WE13
29	28/39/27/0125/R01	ROWING LAKE AT DORNEY, BERKS BH 'A'	Environmental	Non-Remedial River/Wetland Support	Transfer Between Sources (Post Water Act 2003)	GW	Chalk	4	3	WE13
30	28/39/27/0130	STOKE POGES LANE, SLOUGH - WELL	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Non-Evaporative Cooling	GW	River Gravels	1	12	WE12
31	28/39/27/0131	STOKE POGES LANE, SLOUGH - BOREHOLE 'C'	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Process Water	GW	Lower Greensand	1	12	WE13
32	28/39/27/0141	WEXHAM PARK GOLF COURSE, SLOUGH-BOREHOLE	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	Chalk	4	9	WE13
33	28/39/27/0142	FARNHAM PARK GOLF COURSE, STOKE POGES, SLOUGH	Industrial, Commercial And Public Services	Municipal Grounds	Spray Irrigation - Direct	GW	Chalk	4	10	WE13
34	28/39/27/0143	HIGHFIELD FARM, PURTON LNE, FARNHAM COMMON, SL2 - BOREHOLE	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	Chalk	4	10	WE13
35	28/39/28/0008	BOREHOLE AT WHITELEYS PARADE	Industrial, Commercial And Public Services	Laundry	Laundry Use	GW	River Gravels	4	3	WE12
36	28/39/28/0067	POINT 'A' AT HITHERMOOR ROAD, STANWELL MOOR, MIDDLESEX	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	Unspecified aquifer	1	12	WE12/WE13
37	28/39/28/0067	SHEPPERTON GRAVEL AT HITHERMOOR ROAD, STANWELL MOOR, MIDDLES	Industrial, Commercial And Public Services	Mineral Products	Dust Suppression	GW	River Gravels	4	3	WE12
38	28/39/28/0067	SHEPPERTON GRAVEL AT HITHERMOOR ROAD, STANWELL MOOR, MIDDLES	Industrial, Commercial And Public Services	Mineral Products	General Washing/Process Washing	GW	River Gravels	4	3	WE12
39	28/39/28/0067	SHEPPERTON GRAVEL AT HITHERMOOR ROAD, STANWELL MOOR, MIDDLES	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	River Gravels	4	3	WE12
40	28/39/28/0067	SHEPPERTON GRAVEL AT HITHERMOOR ROAD, STANWELL MOOR, MIDDLES	Industrial, Commercial And Public Services	Mineral Products	Process Water	GW	River Gravels	4	3	WE12
41	28/39/28/0079	REACH A-B ON RIVER ALDERBOURNE AT MANSFIELD FARM, IVER HEATH	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE10
42	28/39/28/0079	REACH C-D ON RIVER ALDERBOURNE AT MANSFIELD FARM, IVER HEATH	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE10
43	28/39/28/0105	BOREHOLE AT MER, BUCKS	Horticulture And Nurseries	Horticulture And Nurseries	Spray Irrigation - Direct	GW	Chalk	4	3	WE13
44	28/39/28/0204	BOREHOLE 'B' AT BERKYN MANOR, HORTON	Agriculture	General Agriculture	General Farming & Domestic	GW	River Gravels	1	12	WE12
45	28/39/28/0204	WELL 'A' AT BERKYN MANOR, HORTON	Agriculture	General Agriculture	General Farming & Domestic	GW	River Gravels	1	12	WE12
46	28/39/28/0301	POINT C ON RIVER COLNBROOK AT HORTON MANOR FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE1
47	28/39/28/0301	POINT M ON COLNBROOK AT BERKIN MANOR FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE1
48	28/39/28/0301	POINTS D TO E FROM RIVER COLNBROOK AT HORTON MANOR FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE1
49	28/39/28/0301	POINTS F TO G ON RIVER COLNBROOK AT HORTON MANOR FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE2
50	28/39/28/0301	POINTS H TO J ON RIVER COLNBROOK AT BERKIN MANOR	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE2
51	28/39/28/0301	POINTS K TO L ON UN-NAMED WATERCOURSE AT LUTTON FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE1
52	28/39/28/0301	POINTS N TO P ON RIVER COLNBROOK AT BERKIN MANOR FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE2
53	28/39/28/0301	RIVER COLNBROOK AT POINTS A TO B, HORTON MANOR FARM	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		4	9	WE1
54	28/39/28/0401	HERON LAKE EMERGENCY PUMPING STATION	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Gravels	4	3	WE12
55	28/39/28/0401	QUEENSMEAD EMERGENCY PUMPING STATION	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Gravels	4	3	WE12
56	28/39/28/0510	COLNE BROOK AT THORNEY FARM, IVER	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Storage	SW		11	3	WE2
57	28/39/28/0513	HILLINGDON HOSPITAL - BOREHOLE	Industrial, Commercial And Public Services	Hospitals	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services	GW	Unspecified aquifer	1	12	WE12/WE13
58	28/39/28/0513	HILLINGDON HOSPITAL - BOREHOLE	Industrial, Commercial And Public Services	Hospitals	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services	GW	Chalk	1	12	WE13
59	28/39/28/0520	COLNE BROOK AT ARTHUR JACOB NATURE RESERVE	Environmental	Non-Remedial River/Wetland Support	Make-Up Or Top Up Water	SW		11	3	WE2
60	28/39/28/0526	POND AT SHREDDING GREEN FARM, IVER	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Gravels	3	10	WE12
61	28/39/28/0526	WELL AT SHREDDING GREEN FARM, IVER	Agriculture	General Agriculture	General Farming & Domestic	GW	River Gravels	1	12	WE12
62	28/39/28/0576	IVER SOUTH STW, IVER-BOREHOLE A	Water Supply	Water Supply Related	General Use Relating To Secondary Category (High Loss)	GW	Unspecified aquifer	1	12	WE12/WE13
63	28/39/28/0576	IVER SOUTH STW, IVER-BOREHOLE A	Water Supply	Water Supply Related	Process Water	GW	Unspecified aquifer	1	12	WE12/WE13
64	28/39/28/0576/R01	IVER SOUTH STW, IVER-BOREHOLE A	Water Supply	Water Supply Related	Process Water	GW	Chalk	4	3	WE13
65	28/39/28/0580	POYLE QUARRY, OLD BATH ROAD, COLNBROOK - POINT A	Industrial, Commercial And Public Services	Extractive	Mineral Washing	GW	Unspecified aquifer	1	12	WE12/WE13
66	28/39/28/0586	RIVER COLNE - ABOVE A3113 AIRPORT WAY, STAINES	Environmental	Non-Remedial River/Wetland Support	Supply To A Leat For Throughflow	SW		1	12	WE4
67	28/39/28/0590/R01	SHREDDING GREEN FARM, IVER - BOREHOLE	Agriculture	General Agriculture	Transfer Between Sources (Post Water Act 2003)	GW	Chalk	3	9	WE13
68	28/39/28/0614/R01	HORTON BROOK, NORTH PARK, RICHINGS PARK, IVER	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Storage	SW		11	3	WE1
69	28/39/29/0001	CLOCKHOUSE LANE NURSERY, THORPE LEA WELL 'B'	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Gravels	4	9	WE12
70	28/39/29/0001	CLOCKHOUSE LANE NURSERY, THORPE LEA WELL 'B'	Agriculture	General Agriculture	Spray Irrigation - Spray Irrigation Definition Order	GW	River Gravels	1	12	WE12
71	28/39/29/0038	THE GREEN LANDSCAPE NURSERY, EGHAM WELL 'B'	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Gravels	3	10	WE12
72	28/39/29/0038	THE GREEN LANDSCAPE NURSERY, EGHAM WELL 'B'	Agriculture	General Agriculture	Spray Irrigation - Spray Irrigation Definition Order	GW	River Gravels	1	12	WE12
73	28/39/29/0040	POINT A, RUMBA RAPIDS, THORPE PARK, CHERTSEY	Industrial, Commercial And Public Services	Holiday Sites, Camp Sites & Tourist Attractions	Lake & Pond Throughflow	GW	River Gravels	2	11	WE12
74	28/39/29/0040	POINT A, RUMBA RAPIDS, THORPE PARK, CHERTSEY	Industrial, Commercial And Public Services	Holiday Sites, Camp Sites & Tourist Attractions	Lake & Pond Throughflow	GW	River Gravels	4	9	WE12
75	28/39/29/0042	CEMEX HO USE COLDHARBOUR LANE THORPE EGHAM - BOREHOLE	Amenity	Industrial/Commercial/Energy/Public Services	Lake & Pond Throughflow	GW	River Gravels	4	3	WE12
76	28/39/29/0056/R01	TIDAL WAVE, THORPE PARK, STAINES, POINT 'A'	Industrial, Commercial And Public Services	Holiday Sites, Camp Sites & Tourist Attractions	Make-Up Or Top Up Water	GW	River Gravels	3	11	WE12
77	28/39/31/0004	ASHFORD MANOR GOLF CLUB - WELL	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	River Gravels	4	3	WE12
78	28/39/31/0006	RIVER ASH AT LITTLETON NURSRIES	Horticulture And Nurseries	Horticulture And Nurseries	Spray Irrigation - Direct	SW		5	10	WE4
79	28/39/31/0009	WATERSPLASH FARM, SHEPPERTON - WELL	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Gravels	5	9	WE12
80	28/39/31/0010	RIVER ASH AT WATERSPLASH FARM, SHEPPERTON	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		5	9	WE4
81	28/39/31/0021	THREE BOREHOLES AT SUNBURY WAY, HANWORTH, FELTHAM	Industrial, Commercial And Public Services	Dairies	General Washing/Process Washing	GW	River Gravels	1	12	WE12
82	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE B	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services	GW	River Gravels	1	12	WE12
83	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE B	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Horticultural Watering	GW	River Gravels	1	12	WE12
84	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE B	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Non-Evaporative Cooling	GW	River Gravels	1	12	WE12
85	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE B	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Process Water	GW	River Gravels	1	12	WE12
86	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE C	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services	GW	River Gravels	1	12	WE12
87	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE C	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Horticultural Watering	GW	River Gravels	1	12	WE12
88	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE C	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Non-Evaporative Cooling	GW	River Gravels	1	12	WE12
89	28/39/31/0030	BP RESEARCH CENTRE, SUNBURY-ON-THAMES - BOREHOLE C	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Process Water	GW	River Gravels	1	12	WE12
90	28/39/31/0046	BOREHOLE 'A' AT UPPER HALFORD, SHEPPERTON	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Gravels	4	9	WE12
91	28/39/31/0046	BOREHOLE 'B' AT UPPER HALFORD, SHEPPERTON	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Gravels	4	9	WE12

92	28/39/31/0065	ASHFORD COMMON POINT A	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Graves	11	2	WE12
93	28/39/31/0065	ASHFORD COMMON POINT B	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Graves	11	2	WE12
94	28/39/31/0074	KEMPTON PARK, SUNBURY-ON-THAMES- WELL	Industrial, Commercial And Public Services	Racecourses	Spray Irrigation - Direct	GW	River Graves	10	9	WE12
95	28/39/31/0086	NO 9 HOLDING, ASHFORD ESTATE - WELL	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	Unspecified aquifer	1	12	WE12/WE13
96	28/39/31/0086	NO 9 HOLDING, ASHFORD ESTATE - WELL	Agriculture	General Agriculture	Spray Irrigation - Spray Irrigation Definition Order	GW	Unspecified aquifer	1	12	WE12/WE13
97	28/39/31/0096	WELL 'B' AT FORDBRIDGE ROAD, SUNBURY-ON-THAMES		Holiday Sites, Camp Sites & Tourist Attractions	General Use Relating To Secondary Category (Medium Loss)	GW	River Graves	1	12	WE12
98	28/39/31/0101	WELL AT STAINES ROAD, BEDFONT	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Graves	4	10	WE12
99	28/39/31/0113	SHEPPERTON LANE, LALEHAM - WET PIT C	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Graves	3	10	WE12
100	28/39/31/0125	HAMPTON COURT PALACE GOLF CLUB- BOREHOLE	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	River Graves	4	10	WE12
101	28/39/31/0132	RIVER ASH AT HALLIFORD ROAD, SHEPPERTON-ON-THAMES	Agriculture	General Agriculture	Spray Irrigation - Direct	SW		3	10	WE4
102	28/39/31/0134	WALTON BRIDGE PUMPING STATION 'B'	Water Supply	Public Water Supply	Potable Water Supply - Direct	GW	River Graves	1	12	WE12
103	28/39/31/0144	MAYFIELD FARM, STAINES ROAD, BEDFONT (WELL)	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Graves	3	9	WE12
104	28/39/31/0146	BRIDGE FARM NURSERY, CLOCKHOUSE LANE-BOREHOLE 'A'	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Graves	10	9	WE12
105	28/39/31/0146	BRIDGE FARM NURSERY, CLOCKHOUSE LANE-BOREHOLE 'A'	Agriculture	General Agriculture	Spray Irrigation - Spray Irrigation Definition Order	GW	River Graves	10	9	WE12
106	28/39/31/0152	BOREHOLE 'A' AT HANWORTH, MIDDLESEX	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Graves	2	11	WE12
107	28/39/31/0152	BOREHOLE 'A' AT HANWORTH, MIDDLESEX	Agriculture	General Agriculture	Spray Irrigation - Spray Irrigation Definition Order	GW	River Graves	1	12	WE12
108	28/39/31/0167	BOREHOLE 'A' AT HAZELWOOD GOLF CLUB, CROYSDALE AVENUE	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	River Graves	10	9	WE12
109	28/39/31/0168	LITTLETON LANE, SHEPPERTON- POINT A	Industrial, Commercial And Public Services	Construction	General Washing/Process Washing	GW	River Graves	1	12	WE12
110	28/39/31/0172	HAMPTON POOL BOREHOLE	Industrial, Commercial And Public Services	Sports Grounds/Facilities	General Use Relating To Secondary Category (Medium Loss)	GW	River Graves	1	12	WE12
111	28/39/31/0176/R01	NOTCUTTS GARDEN CENTRE-WELL	Agriculture	Horticulture And Nurseries	Spray Irrigation - Direct	GW	River Graves	4	3	WE12
112	28/39/31/0176/R01	NOTCUTTS GARDEN CENTRE-WELL	Agriculture	Horticulture And Nurseries	Spray Irrigation - Spray Irrigation Definition Order	GW	River Graves	4	3	WE12
113	28/39/31/0185	CLOCK HOUSE LANE PIT- GRAVEL	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	General Use Relating To Secondary Category (High Loss)	GW	Unspecified aquifer	1	12	WE12/WE13
114	28/39/31/0185	CLOCK HOUSE LANE PIT- GRAVEL	Industrial, Commercial And Public Services	Transport	Evaporative Cooling	GW	River Graves	4	3	WE12
115	28/39/31/0185	CLOCK HOUSE LANE PIT- GRAVEL	Industrial, Commercial And Public Services	Transport	General Use Relating To Secondary Category (High Loss)	GW	River Graves	4	3	WE12
116	28/39/31/0189	HENGROVE FARM GRAVEL PIT	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	Unspecified aquifer	1	12	WE12/WE13
117	28/39/31/0189/R01	HENGROVE FARM GRAVEL PIT	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	River Graves	4	3	WE12
118	28/39/34/0007	BOREHOLE AT LENSURRY CLUB, TEDDINGTON	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	River Graves	4	3	WE12
119	28/39/34/0010	BOREHOLE 'A' AT LENSURRY CLUB, TEDDINGTON	Industrial, Commercial And Public Services	Sports Grounds/Facilities	Spray Irrigation - Direct	GW	River Graves	3	10	WE12
120	28/39/34/0010	BOREHOLE 'A' AT LENSURRY CLUB, TEDDINGTON	Water Supply	Private Water Undertaking	Spray Irrigation - Direct	GW	River Graves	3	10	WE12
121	28/39/36/0023	BOREHOLE 'A' AT HOME FARM, HARMONDSWORTH	Agriculture	General Agriculture	General Farming & Domestic	GW	River Graves	1	12	WE12
122	28/39/36/0023	BOREHOLE 'B' AT HOME FARM, HARMONDSWORTH	Agriculture	General Agriculture	General Farming & Domestic	GW	River Graves	1	12	WE12
123	28/39/36/0023	BOREHOLE 'C' AT HOME FARM, HARMONDSWORTH	Agriculture	General Agriculture	General Farming & Domestic	GW	River Graves	1	12	WE12
124	28/39/36/0035	BOREHOLE AT RECTORY FARM, BATH ROAD, CRANFORD	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	Unspecified aquifer	4	9	WE12/WE13
125	28/39/36/0038	GRAND UNION CANAL AT STOCKLEY ROAD, WEST DRAYTON.	Industrial, Commercial And Public Services	Mineral Products	Process Water	SW		1	12	WE10
126	28/39/36/0058	BOREHOLE AT NORTHROP ROAD, HEATHROW AIRPORT, HOUNSLOW	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Process Water	GW	River Graves	1	12	WE12
127	28/39/36/0059	WET PIT AT SIPSON LANE, HARMONDSWORTH	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	River Graves	1	12	WE12
128	28/39/36/0060	WET PIT AT HIGH STREET, HARLINGTON, MIDDLESEX	Industrial, Commercial And Public Services	Mineral Products	Mineral Washing	GW	River Graves	1	12	WE12
129	28/39/36/0069	STOCKLEY PARK, UXBRIDGE (BOREHOLE)	Industrial, Commercial And Public Services	Golf Courses	General Washing/Process Washing	GW	Unspecified aquifer	11	3	WE12/WE13
130	28/39/36/0069	STOCKLEY PARK, UXBRIDGE (BOREHOLE)	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	Unspecified aquifer	4	10	WE12/WE13
131	28/39/36/0070	HARMONDSWORTH QUARRY, WEST DRAYTON-LAGOON	Industrial, Commercial And Public Services	Extractive	Mineral Washing	GW	Unspecified aquifer	1	12	WE12/WE13
132	28/39/36/0072	NESTLE COFFEE FACTORY-BOREHOLE	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Evaporative Cooling	GW	Unspecified aquifer	1	12	WE12/WE13
134	28/39/36/0075	GRAND UNION CANAL AT UBS DATA PROCESSING CENTRE, HAYES	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	Non-Evaporative Cooling	SW		4	3	WE10
135	28/39/37/0005	BOREHOLE 'A' AT SYON PARK, BRENTFORD	Agriculture	Horticulture And Nurseries	Horticultural Watering	GW	River Graves	1	12	WE12
136	28/39/37/0005	BOREHOLE 'A' AT SYON PARK, BRENTFORD	Agriculture	Horticulture And Nurseries	Spray Irrigation - Direct	GW	River Graves	10	9	WE12
137	28/39/37/0005	BOREHOLE 'B' AT SYON PARK, BRENTFORD	Agriculture	Horticulture And Nurseries	Horticultural Watering	GW	River Graves	1	12	WE12
138	28/39/37/0005	BOREHOLE 'B' AT SYON PARK, BRENTFORD	Agriculture	Horticulture And Nurseries	Spray Irrigation - Direct	GW	River Graves	10	9	WE12
140	28/39/M/0002	RIVER THAMES AT M2 DATCHET INTAKE T10	Water Supply	Public Water Supply	Potable Water Supply - Storage	SW		1	12	WE8
141	28/39/M/0002	RIVER THAMES AT M2 LALEHAM INTAKE T14	Water Supply	Public Water Supply	Potable Water Supply - Storage	SW		1	12	WE8
142	28/39/M/0002	RIVER THAMES AT M2 STAINES INTAKE T11	Water Supply	Public Water Supply	Potable Water Supply - Storage	SW		1	12	WE8
145	TH/039/0027/002/R01	STOKE PARK BOREHOLE	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	Chalk	2	10	WE13
146	TH/039/0027/019	BOREHOLE AT AEROSERVE, 480 MALTON AVENUE	Industrial, Commercial And Public Services	Laundry	Laundry Use	GW	Chalk	4	3	WE13
147	TH/039/0027/020	WET PIT AT RIDING COURT FARM, WINDSOR	Industrial, Commercial And Public Services	Construction	General Use Relating To Secondary Category (Medium Loss)	GW	Chalk	4	3	WE13
148	TH/039/0027/020	WET PIT AT RIDING COURT FARM, WINDSOR	Industrial, Commercial And Public Services	Construction	Mineral Washing	GW	Chalk	4	3	WE13
149	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE A	Industrial, Commercial And Public Services	Transport	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services	GW	Unspecified aquifer	1	12	WE12/WE13
150	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE A	Industrial, Commercial And Public Services	Transport	Evaporative Cooling	GW	Unspecified aquifer	1	12	WE12/WE13
151	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE A	Industrial, Commercial And Public Services	Transport	Evaporative Cooling	GW	Chalk	4	3	WE13
152	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE A	Industrial, Commercial And Public Services	Transport	General Use Relating To Secondary Category (High Loss)	GW	Unspecified aquifer	1	12	WE12/WE13
153	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE A	Industrial, Commercial And Public Services	Transport	General Use Relating To Secondary Category (High Loss)	GW	Chalk	4	3	WE13
154	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE B	Industrial, Commercial And Public Services	Transport	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services	GW	Unspecified aquifer	1	12	WE12/WE13
155	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE B	Industrial, Commercial And Public Services	Transport	Evaporative Cooling	GW	Unspecified aquifer	1	12	WE12/WE13
156	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE B	Industrial, Commercial And Public Services	Transport	Evaporative Cooling	GW	Chalk	4	3	WE13
157	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE B	Industrial, Commercial And Public Services	Transport	General Use Relating To Secondary Category (High Loss)	GW	Unspecified aquifer	1	12	WE12/WE13
158	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE B	Industrial, Commercial And Public Services	Transport	General Use Relating To Secondary Category (High Loss)	GW	Chalk	4	3	WE13
159	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE C	Industrial, Commercial And Public Services	Transport	Evaporative Cooling	GW	Chalk	4	3	WE13
160	TH/039/0028/007	HEATHROW AIRPORT - BOREHOLE C	Industrial, Commercial And Public Services	Transport	General Use Relating To Secondary Category (High Loss)	GW	Chalk	4	3	WE13
161	TH/039/0028/010	KINGSMEAD QUARRY, HORTON, BERKSHIRE - WET PIT	Industrial, Commercial And Public Services	Extractive	Mineral Washing	GW	River Graves	4	3	WE12
162	TH/039/0028/010	KINGSMEAD QUARRY, HORTON, BERKSHIRE - WET PIT	Industrial, Commercial And Public Services	Extractive	Process Water	GW	River Graves	4	3	WE12
163	TH/039/0028/024	IVER GOLF COURSE, HOLLOW HILL LANE, IVER - BOREHOLE	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	Chalk	3	10	WE13
164	TH/039/0028/029	SLOUGH QUARRY, WEXHAM PARK LANE, WEXHAM, SLOUGH - BOREHOLE	Industrial, Commercial And Public Services	Extractive	Mineral Washing	GW	Chalk	4	3	WE13
165	TH/039/0028/040	RIVER COLNE - ABOVE A3113 AIRPORT WAY, STAINES	Environmental	Other Environmental Improvements	Transfer Between Sources (Pre Water Act 2003)	SW		4	3	WE4
166	TH/039/0031/001	CLOCKHOUSE LANE PIT- POINT 'A'	Industrial, Commercial And Public Services	Other Industrial/Commercial/Public Services	General Use Relating To Secondary Category (Medium Loss)	GW	River Graves	4	3	WE12
167	TH/039/0031/007	POINT B, GRAVEL PIT AT LITTLETON LANE, SHEPPERTON, MIDDLESEX	Industrial, Commercial And Public Services	Mineral Products	General Use Relating To Secondary Category (Medium Loss)	GW	River Graves	4	3	WE12
168	TH/039/0031/008	GRAVELS AT ASHFORD ROAD LALEHAM STAINES		Extractive	Mineral Washing	GW	River Graves	4	3	WE12
169	TH/039/0031/013	WELL AT HAMPTON, MIDDLESEX	Agriculture	General Agriculture	Spray Irrigation - Direct	GW	River Graves	4	10	WE12
170	TH/039/0031/016	BOREHOLE 'A' AT LONDON IRISH RUGBY CLUB, CROYSDALE AVENUE	Industrial, Commercial And Public Services	Sports Grounds/Facilities	Spray Irrigation - Storage	GW	River Graves	3	11	WE12
171	TH/039/0036/003	STOCKLEY PARK, UXBRIDGE- BOREHOLE A	Industrial, Commercial And Public Services	Business Parks	Spray Irrigation - Direct	GW	Unspecified aquifer	4	10	WE12/WE13
172	TH/039/0036/003	STOCKLEY PARK, UXBRIDGE, BOREHOLE A	Industrial, Commercial And Public Services	Business Parks	Spray Irrigation - Storage	GW	Chalk	4	10	WE13
173	TH/039/0036/004	STOCKLEY PARK (PHASE 3)- BOREHOLE A	Industrial, Commercial And Public Services	Business Parks	Make-Up Or Top Up Water	GW	Chalk	4	3	WE13
174	TH/039/0036/004	STOCKLEY PARK (PHASE 3)- BOREHOLE A	Industrial, Commercial And Public Services	Business Parks	Spray Irrigation - Storage	GW	Chalk	4	3	WE13
175	TH/039/0036/004	STOCKLEY PARK (PHASE 3)- BOREHOLE A	Industrial, Commercial And Public Services	Business Parks	Spray Irrigation - Storage	GW	Unspecified aquifer	4	3	WE12/WE13
176	TH/039/0036/012	STOCKLEY PARK, UXBRIDGE (BOREHOLE)	Industrial, Commercial And Public Services	Golf Courses	General Washing/Process Washing	GW	Chalk	11	3	WE13
177	TH/039/0036/012	STOCKLEY PARK, UXBRIDGE (BOREHOLE)	Industrial, Commercial And Public Services	Golf Courses	Spray Irrigation - Direct	GW	Chalk	4	10	WE13
178	TH/039/0036/013	WESTERN INTERNATIONAL MARKET, HAYES ROAD, SOUTHALL, LONDON	Industrial, Commercial And Public Services	Business Parks	Evaporative Cooling	GW	Chalk	4	3	WE13
179	TH/039/0036/017	BOREHOLE AT PARK INN HOTEL, BATH ROAD	Industrial, Commercial And Public Services	Hotels, Public Houses And Conference Centres	General Use Relating To Secondary Category (Medium Loss)	GW	Chalk	4	3	WE13
180	TH/039/0037/004	DUKE OF NORTHUMBERLAND RIVER - MOGDEN SEWAGE TREATMENT WORKS	Water Supply	Water Supply Related	General Use Relating To Secondary Category (Low Loss)	SW		4	3	WE7
181	TH/039/0038/002	BOREHOLE AT EALING GOLF CLUB		Golf Courses	Spray Irrigation - Direct	GW	Unspecified aquifer	3	10	WE12/WE13
182	TH/039/0038/002	BOREHOLE AT EALING GOLF CLUB		Private Water Supply	Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household	GW	Chalk	4	3	WE13
184	TH/039/0038/006/R01	BOREHOLE AT WINDMILL LANE, SOUTHALL		Pump & Treat	Pollution Remediation	GW	River Graves	4	3	WE12
185	TH/039/0038/012	NORTHALA FIELDS, NORTHOLT- BOREHOLE		Municipal Grounds	Make-Up Or Top Up Water	GW	Chalk	1	12	WE13
186	TH/039/0038/013	ST JOHN FISHER SCHOOL, SARDSFIELD RD, LONDON, UB6-BOREHOLE		Schools And Colleges	Heat Pump	GW	Chalk	4	3	WE13
187	TH/039/0038/015	PITSHANGER ALLOTMENTS-BOREHOLE		Municipal Grounds	Horticultural Watering	GW	Chalk	4	3	WE13



Heathrow Expansion
Discharges

Appendix 18.7

Discharges

Heathrow Expansion Discharges



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Discharge name	discharge type	Permit number	receiving water	Easting	Northing	Receptor group
2 STROUD FARM COTTAGES, STROUD FARM	Sewage - not water company	CTWC.1837	RIVER GRAVELS OVERLYINGLONDON	490150	177600	WE12
IVER SUB-STATION, CHANDLERS HILL, I	Sewage - not water company	CNTM.0778	ALDERBOURNE	504150	183620	WE10
NORTH WESTERN RESERVOIR, HEATHROW A	Trade	CTWC.3034	WRAYSBURY RIVER	504040	176300	WE3
OFFICE DEVELOPMENT ADJ. TO THE BUNG	Sewage - not water company	CTWC.0624	RIVER COLNE	504480	183310	WE4
TRAVELODGE T5	Trade	CANM.1277	TO RIVER WRAYSBURY	503536	175596	WE3
WEST DRAYTON COAL DEPOT, TAVISTOCK	Sewage - not water company	CNTM.0926	RIVER FRAYS	505700	180200	WE4
LONGBRIDGE	Sewage - not water company	CANM.1009	TO GROUNDWATER VIA SOAKAWAY	504559	183688	WE12
OFFICE OF STUDIO AT THE MILL	Sewage - not water company	NPSWQD008365	RIVER COLNE	504121	175177	WE4
COLNBROOK AGGREGATE DEPOT	Sewage - not water company	CANM.0731	BIGLEY DITCH-TRIB OF COLNE	504300	177680	WE3
ASPHALT PLANT	Miscellaneous	CTWC.2505	BIGLEY DITCH	505200	179400	WE3
ASPHALT PLANT	Miscellaneous	CTWC.2504	BIGLEY DITCH	505200	179400	WE3
ASPHALT PLANT	Sewage - not water company	CTWC.2504	BIGLEY DITCH	505200	179400	WE3
MOOR LANE SHAFT, STANWELL MOOR, MID	Trade	CNTS.0001	WRAYSBURY RIVER	503200	174700	WE3
THE WILLOWS	Sewage - not water company	NPSWQD001212	THE WRAYSBURY RIVER	502710	173000	WE3
AREA C LANDFILL	Trade	NPSWQD002559	RIVER WRAYSBURY	504195	177045	WE3
WEST DRAYTON COAL DEPOT, TAVISTOCK	Trade	CNTM.1002	RIVER FRAYS	505700	180200	WE4
BIGLEY KENNELS	Sewage - not water company	CANM.0260	BIGLEY DITCH	504990	178650	WE3
WARRENS WOODYARD, RIVERVIEW, THE CO	Sewage - not water company	CNTM.0403	WRAYSBURY RIVER	505220	178650	WE3
AREA 7/13 PROSPECT PARK, HARMONDSWO	Trade	CNTM.1471	RIVER COLNE	505400	178300	WE4
PHASE 300	Trade	CANM.0981	RIVER COLNE	504878	183894	WE4
THE LOCK HOUSE	Sewage - not water company	EPRBP3326GK	GRAND UNION CANAL	505245	184789	WE4
LOWER MILL FARM, STANWELL MOOR, SUR	Trade	CNTM.1180	RIVER COLNE	503550	174320	WE4
COLNBROOK LOGISTIC CENTRE	Trade	CANM.0455	OLD BIGLEY DITCH	504310	177430	WE3
SUFFOLK HOUSE	Sewage - not water company	CANM.0562	TO RIVER COLNE	504560	183530	WE4
COLNBROOK AGGREGATE DEPOT	Trade	CANM.0631	BIGLEY DITCH	504300	177680	WE3
RIVERSIDE CARAVAN PARK	Sewage - not water company	CANM.0991	TO RIVER COLNE	505283	179082	WE4
1 & 2 THE COTTAGES	Sewage - not water company	CTWC.3389	ALLUVIUM	504460	182270	WE12
SUFFOLK HOUSE, LONGBRIDGE, SLOUGH R	Sewage - not water company	CTCU.0907	GRAVEL STRATA	504500	183500	WE12
MOBILE HOME SITE, HIGHLAND VIEW, TH	Sewage - not water company	CNTM.0032	WRAYSBURY RIVER	505200	178400	WE3
BRAHMAJYOTI, THE LEA, WESTERN AVENU	Sewage - not water company	CTWC.0054	RIVER MISBOURNE	505100	186100	WE10
NIGHTINGALES LANE	Sewage - not water company	CANM.0661	INTO LAND AND UNNAMED DITCH	499550	195220	WE12
MARCH COTTAGE, MARISH LANE, DENHAM,	Sewage - not water company	CTWC.3597	GLACIAL GRAVELS.	502900	189200	WE12
COTTAGE 75	Sewage - not water company	CANM.0101	GRAND UNION CANAL	505190	193440	WE4
GREENKEEPERS CPD, BUCKINGHAMSHIRE G	Trade	CATM.2867	TRIBUTARY OFTHE RIVER COLNE	505000	186500	WE4
3A PENN WAY	Sewage - not water company	CANM.0418	INTO LAND	502700	195480	WE12
LOCKWELL HOUSE, WHITE HILL, NORTHWO	Sewage - not water company	CTCU.1316	GLACIAL GRAVEL STRATA	507100	191700	WE12
CHILTERN OPEN AIR MUSEUM	Sewage - not water company	CANM.1122	GROUNDWATER VIA VEGETATED SOAK	500891	193920	WE12
BREAKSPEAR ESTATE	Sewage - not water company	EPRYP3624GT	UN-NAMED TRIB OF RIVER COLNE	506433	189258	WE4
CLARE HOUSE COMPLEX, COPPERMILL LAN	Sewage - not water company	CATM.2403	RIVER COLNE(FLAKES CHANNEL)	504000	190870	WE4
LITTLE GREEN STREET FARM	Sewage - not water company	NPSWQD000334	GROUND WATERS VIA A SOAKAWAY	502425	197527	WE12
SPRINGWELL LANE	Sewage - not water company	CANM.0346	RIVER COLNE	504270	193020	WE4
NORTH ORBITAL ROAD, DENHAM, UXBRIDG	Trade	CTCU.0609	CHALK STRATA	504100	188700	WE13
RANK FILM LABORATORIES, DENHAM, UXB	Trade	CTCR.2040	COLNE	504300	188700	WE4
SPRINGWELL BARNs	Sewage - not water company	CANM.0141	RIVER COLNE CANALISED	504220	192720	WE4
SHOOTING CLUB, DUCKS HILL ROAD, NOR	Sewage - not water company	CTWC.2089	TRIB OF NEW YEARS GREEN BOURNE	507300	190100	WE4
STUBBS FARM	Sewage - not water company	EPRZP3727XF	INTO LAND	502362	197319	WE12
DURHAM HOUSE FARM	Sewage - not water company	CANM.1326	GROUNDWATER VIA SOAKAWAY	503452	185436	WE12
CUCKOO OAK, TILEHOUSE LANE, DENHAM,	Sewage - not water company	CNTW.0874	GLACIAL GRAVELS	503300	188400	WE12
BOURNE FARM COTTAGE	Sewage - not water company	NPSWQD007832	TRIB OF NEWYEARS GREEN BOURNE	506437	189717	WE4

BOURNE FARMHOUSE	Sewage - not water company	NPSWQD007834	NEWYEARS GREEN BOURNE	506575	189688	WE4
KNIGHTSCOTE FARM	Sewage - not water company	CATM.3362	TRIB OF NEW YEARS GREEN BOURNE	505930	190130	WE4
NO.S 1-4 COPPERMILL LOCK, CANALSIDE	Sewage - not water company	CNTM.0473	RIVER COLNE	504100	191500	WE4
HAREFIELD MARINA, MOORHALL ROAD, HA	Sewage - not water company	CTWC.3058	ALLUVIUM ANDMADE GROUND	505080	188670	WE12
AVIARY COTTAGE	Sewage - not water company	CANM.0462	LAND VIA BOREHOLE	501580	190200	WE12
HALES YARD	Sewage - not water company	CANM.0753	RIVER COLNE	504300	193060	WE4
REFRESHMENT HUT, MOOR PARK GOLF CLU	Sewage - not water company	CNTW.1361	GRAVELS ANDCLAY	507650	192800	WE12
BYWOOD, NIGHTINGALES LANE, CHALFONT	Sewage - not water company	CTCU.0062	CHALK STRATA	499900	195100	WE13
WOODCOCK HILL BARN	Sewage - not water company	CANM.0256	WOODCOCK HILL STREAM	506390	191880	WE4
HOLLY TREE COTTAGE, NEW ROAD, LITTL	Sewage - not water company	CTCU.1948	UPPER CHALKSTRATA	500500	196600	WE13
GLENSCOT HOUSE	Sewage - not water company	CANM.0691	LAND VIA SOAKAWAY	501370	193040	WE12
1,3&4 FISHERY COTTAGES	Sewage - not water company	CANM.0493	RIVER COLNE	504010	190960	WE4
THE GATE HOUSE, POLLARDS PARK, NIGH	Sewage - not water company	CNTW.1184	UPPER CHALK	499370	195930	WE13
EASTER ROSS, 9 AMERSHAM ROAD, CHESH	Sewage - not water company	CNTM.0911	UPPER CHALK	495950	199250	WE13
THE PILLARS	Sewage - not water company	NPSWQD003567	GROUNDWATERS VIA SOAKAWAY	501990	189372	WE12
3 ACRES FARM	Sewage - not water company	CANM.0627	INTO LAND	506199	192472	WE12
ALDARN, NEW ROAD, CHALFONT ST. GILE	Sewage - not water company	CTWC.0926	UPPER CHALK	500500	196600	WE13
GARTH COTTAGE	Sewage - not water company	CANM.0556	TO LAND (UPPER CHALK)	499950	195610	WE13
LITTLE TILE HOUSE & TILE HOUSE CTTG	Sewage - not water company	NPSWQD007944	INTO LAND	499800	196100	WE12
SHEPHERDSHILL HOUSE	Sewage - not water company	CANM.0268	DITCH TRIB NEWYEARS GREEN BOUR	506190	190910	WE4
AN STP SERVING TROY HOUSE	Sewage - not water company	NPSWQD001433	THE RIVER COLNE TROY ARM LOOP	503677	190238	WE4
THE BARN	Sewage - not water company	CANM.0461	LAND VIA A BOREHOLE	501580	190200	WE12
DUMBELL PUBLIC HOUSE	Sewage - not water company	CANM.0334	LAND	501850	192500	WE12
9 FIELD ROAD	Sewage - not water company	CANM.0580	TO LAND (READING AND WOOLWICH)	503250	185960	WE12
THE COACH HOUSE	Sewage - not water company	CANM.0525	INTO LAND	499940	195720	WE12
STP SERVING STIVERS	Sewage - not water company	NPSWQD000896	GW VIA A BOREHOLE	499514	196079	WE12
LITTLE TILE HOUSE & TILE HOUSE CTTG	Sewage - not water company	NPSWQD007944	INTO LAND	499800	196100	WE12
ZELLY COTTAGE, BLACKSMITHS LANE, DE	Sewage - not water company	CNTM.0244	GRAVELS	502580	186680	WE12
REAR OF JARVA, RICKMANSWORTH LANE,	Sewage - not water company	CTCU.0618	CHALK STRATA	501100	192200	WE12
SPRINGWELL COTTAGE	Trade	CANM.0050	RIVER COLNE	504300	192700	WE4
RUSHILL FARM COTTAGE, HOLLYBUSH LAN	Sewage - not water company	CNTM.0223	LONDON CLAY	503060	185550	WE13
EAST & WEST COTTS, ROUGHWOOD LANE,	Sewage - not water company	CTCU.0426	CHALK STRATA	500400	195400	WE13
KINGCUP FARM, WILLETTS LANE, DENHAM	Sewage - not water company	CNTM.1223	RIVER GRAVELS	503700	185200	WE12
LEWGARS & LONGACRE, NIGHTINGALES LA	Sewage - not water company	CTWC.1704	PEBBLY CLAYSAND SANDS	500030	195360	WE12
DENHAM WATER SKI CLUB	Sewage - not water company	CATM.3624	THE RIVER COLNE	504020	189220	WE4
MIDDLE HALINGS HOUSE, HALINGS LANE,	Sewage - not water company	CTCU.1348	GLACIAL GRAVEL STRATA	503200	189300	WE12
FAIRACRE, DEADHEARN LANE, CHALFONT	Sewage - not water company	CTCU.0965	CHALK STRATA	500100	194100	WE13
STIVERS COTTAGE, POLLARDS PARK, NIG	Sewage - not water company	CNTM.1200	UPPER CHALK	499650	196200	WE13
BRAWLINGS FARMHOUSE	Sewage - not water company	NPSWQD009707	GROUNDWATER VIA A BOREHOLE	501196	192909	WE12
LOCKWELL HOUSE	Sewage - not water company	CANM.0678	UNKNOWN TRIB NEWYEARS GREEN BO	507250	191726	WE4
LOCKWELL HOUSE	Sewage - not water company	CANM.0131	NEWYEARS GREEN BOURNE TRIB	507410	191790	WE4
ROUGHWOOD LODGE, NIGHTINGALES LANE,	Sewage - not water company	CNTM.2128	GLACIAL CLAYS	499500	196500	WE12
MINERAL WORKINGS, HARVIL ROAD, HARE	Trade	CNTM.0832	NEW YEARS GREEN BOURNE	505500	187200	WE4
HILLVIEW, SHIRE LANE, HORN HILL, CH	Sewage - not water company	CNTW.0191	GLACIAL GRAVELS	501800	192700	WE12
OFFICES, HAREFIELD GROVE, HAREFIELD	Sewage - not water company	CANM.0397	WHITE HEATH STREAM	505810	191680	WE4
DENHAM QUARRY	Trade	EPRBB3030AU	INTO SETTLEMENT LAGOON	504190	184620	WE4
BALANCING RESERVOIR & PUMPING STN	Sewage - water company	CTCR.1214	TRIB OF COLNE	504300	184500	WE4
MAPLE LODGE STW, BUCKS	Sewage - water company	CANM.0034	RIVER COLNE	504120	192370	WE4
MAPLE LODGE STW, BUCKS	Sewage - water company	CNTD.0071	THE GUC (HAREFIELD REACH)	504200	191940	WE4
FACTORY PREMISES, BELL LANE, AMERSH	Sewage - not water company	CTCU.0074		498700	197800	WE4

THE MARBLE AND GRANITE CENTER LTD	Sewage - not water company	CATM.3643	TRIB OF RIVER COLNE	503620	190390	WE4
HOLLYBUSH FARMHOUSE	Sewage - not water company	CANM.1284	TO GROUND WATERS VIA SOAKAWAY	502300	186800	WE12
PROPERTIES AT RAANS FARM	Sewage - not water company	EPRBB3992WG	GROUNDWATER VIA BOREHOLE	498184	198429	WE12
UXBRIDGE SKIP HIRE, SKIP LANE, HARV	Trade	CNTM.1219	TILES DITCH	505950	187350	WE4
MOORHALL ROAD, HAREFIELD, MIDDLESEX	Sewage - not water company	CTWC.0180	HAREFIELD LAKE	504800	189200	WE4
NEW FLATS	Sewage - not water company	CANM.0105	RIVER COLNE	504320	193070	WE4
WOODCOCK HILL BARN	Sewage - not water company	CANM.0256	WOODCOCK HILL STREAM	506390	191880	WE4
VEHICLE MAINTENANCE PLANT AT COLNBR	Trade	CTCU.1393	ALLUVIUM O/L GRAVEL OVR CLAY	503480	177220	WE12
106 COPPERMILL ROAD, WRAYSBURY, STA	Sewage - not water company	CTCU.1545	GRAVEL O/L LONDON CLAY STRATA	501960	174940	WE12
Iver North	Sewage - water company	TEMP.2693	Colne Brook	504400	180701	WE2
101 THORNEY MILL ROAD	Sewage - not water company	CANM.0505	THORNEY MILL RD LOOP (COLNE)	504870	179420	WE2
51 THORNEY MILL ROAD	Sewage - not water company	CANM.1101	UNKN DIT TRIB OF COLNE BROOK	504524	179525	WE2
HELLMAN HOUSE, LAKESIDE ROAD, COLNB	Trade	CNTM.0489	COLNE BROOK	503400	177300	WE2
COLNE INDUSTRIAL ESTATE, OLD BATH R	Sewage - not water company	CTCR.1989	CULVERTD SECT'N OF COUNTY DIT.	503700	176900	WE2
LAKESIDE INDUSTRIAL PARK, COLNBROOK	Trade	CNTM.0218	A POND TRIB OF THE COLNE BROOK	504210	178010	WE2
106 COPPERMILL ROAD, WRAYSBURY, STA	Sewage - not water company	CTCU.1546	GRAVEL O/L LONDON CLAY STRATA	501960	174950	WE12
WASTE TRANSFER STATION, ROSARY FARM	Trade	CNTM.1357	POYLE CHANNEL	503650	176460	WE2
NEW BUILDING, COURT LANE ESTATE, CO	Sewage - not water company	CTWC.0137	TAPLOW GRAVEL	504120	180420	WE12
THE CLUBHOUSE, THORNEY PARK GOLF CL	Sewage - not water company	CNTM.1118	COLNE BROOK	504800	179500	WE2
IVER RECYCLING LIMITED	Sewage - not water company	CANM.1186	TO GRAND UNION CANAL	504430	180596	WE4
LAKESIDE INDUSTRIAL PARK, COLNBROOK	Trade	CNTM.0218	A POND TRIB OF THE COLNE BROOK	504210	178010	WE2
WILLBAR COTTAGE	Sewage - not water company	CANM.0405	COLNE BROOK	504770	179340	WE2
99B THORNEY MILL ROAD	Sewage - not water company	CATM.3459	THE COLNE BROOK	504820	179390	WE2
ELK MEADOW	Sewage - not water company	CANM.1107	TO ALDER BOURNE	504029	182985	WE10
COLNBROOK LOGISTIC CENTRE	Trade	CANM.0453	CESS DRAIN OF THE COUNTY DITCH	503900	177210	WE2
IVER (NORTH) STW, IVER, BUCKS	Sewage - water company	CNTD.0079	THE COLNE BROOK	504390	180700	WE2
EIGHTEEN HOUSES, THORNEY FARM, THOR	Sewage - not water company	CATM.3069	COLNE BROOK	504800	179500	WE2
IVER TREATMENT WORKS, THORNEY LANE	Sewage and Trade combined	CNTM.0376	COLNE BROOK	504680	180110	WE2
IVER RECYCLING LIMITED	Trade	CANM.1186	TO GRAND UNION CANAL	504430	180596	WE4
COLNEBROOK AGGREGATE DEPOT	Trade	CANM.0628	TRIB COLNE BROOK	504320	177990	WE2
SQUARE GRIP FACTORY, LAKESIDE RD, L	Trade	CNTM.1302	ORLITT LAKE	503950	177600	WE12
106 COPPERMILL ROAD, WRAYSBURY, STA	Sewage - not water company	CTCU.1547	GRAVEL O/L LONDON CLAY STRATA	501950	174930	WE12
TANHOUSE FARM LANDFILL SITE AREA 22	Trade	CANM.0314	COLNBROOK	503500	177400	WE2
GEORGE LIONS (MERCHANTS) LIMITED	Sewage - not water company	CANM.1254	CULVERTED TRIB OF COUNTY DITCH	503764	176980	WE2
POYLE ROAD, COLNBROOK, BERKS	Miscellaneous	CTWC.0100	POYLE CHANNEL	503380	176460	WE2
89 AND 91 THORNEY MILL ROAD	Sewage - not water company	CANM.0155	TL LAND VIA SOAKAWAY	504750	179400	WE12
44 COPPERMILL ROAD, HORTON, BERKS	Sewage - not water company	CTCU.1698	GRAVEL O/L LONDON CLAY STRATA	502090	175310	WE12
DELAFord PARK, IVER, BUCKS	Sewage - not water company	CTCU.1236	GRAVEL STRATA	504100	181400	WE12
160 COPPERMILL ROAD, WRAYSBURY, STA	Sewage - not water company	CTWC.2959	ALLUVIUM O/LL.CLAY	501800	174600	WE12
NO 113, THORNEY MILL ROAD, IVER, BU	Sewage - not water company	CNTM.0515	ALLUVIUM	504930	179400	WE12
32 COPPERMILL ROAD, WRAYSBURY, STAI	Sewage - not water company	CTCU.1425	GRAVEL OVERLYING LONDONCLAY	502100	175500	WE12
89 AND 91 THORNEY MILL ROAD	Sewage - not water company	CANM.0155	TL LAND VIA SOAKAWAY	504750	179400	WE12
BULLS BRIDGE CENTER	Miscellaneous	CANM.0043	INTO LAND	510660	179400	WE12
EASTERN RESERVOIR, HEATHROW AIRPORT	Trade	CTWC.3033	RIVER CRANE	510863	175227	WE7
NORTH HYDE SUBSTATION	Trade	CANM.0257	YEADING BROOK	510470	179080	WE7
NORTH EASTERN CATCHMENT, HEATHROW A	Trade	CTWC.3032	RIVER CRANE	510120	176190	WE7
DENE ESTATE SOCIAL CENTRE, CHERTSEY	Sewage - not water company	CNTM.0907	GRAVELS	514630	173500	WE12
SSO, Junction Crane Valley / Bath R	Sewage - water company	TEMP.2904	Crane	510000	177000	WE7
Anyand Park Road, Twickenham	Sewage - water company	TEMP.2369	Tidal Thames	516500	173900	WE14
SOUTH EASTERN CATCHMENT, HEATHROW A	Trade	CTWC.3031	RIVER CRANE	510360	175830	WE7

TYRE DEPOT, FELTHAM TYRE LTD, GREEN	Sewage - not water company	CNTM.0631	RIVER GRAVELS	510470	175170	WE12
WALL GARDEN FARM, SIPSON LANE, SIPS	Sewage - not water company	CTWC.2544	BRICKEARTH AND RIVER GRAVEL	507610	178050	WE12
THE WHITE HOUSE	Sewage - not water company	EPREB3898ES	GW VIA AN INFILTRATION SYSTEM	500111	176103	WE12
RIDING COURT FARM DEVELOPMENT, DATC	Sewage - not water company	CNTW.0921	FLOOD-PLAINGRAVEL	499050	177720	WE12
THAMES VALLEY WATER SKI CLUB	Sewage - not water company	CASM.2252	GROUNDWATER VIA A SOAKAWAY	500200	176020	WE12
PARSONAGE FARM	Sewage - not water company	CANM.0015	HORTON BROOK	501690	180510	WE1
IVER GOLF CLUB	Sewage - not water company	CANM.0608	DITCH TRIB HORTON BROOK	501810	180210	WE1
ALL SOULS FARM PIT, WEXHAM PARK LAN	Trade	CATM.2381	HORTON BROOK	499930	181500	WE1
BRITISH AIRWAYS SAILING CLUB, ARC G	Sewage - not water company	CASM.1152	GROUNDWATER VIA SOAKAWAY	501200	173200	WE12
TOTAL OIL GB LTD, LANGLEY TERMINAL,	Trade	CTCR.2044	HORTON BROOK	501700	180000	WE1
G E C (RADIO & TELEVISION) LTD	Sewage - not water company	CTCU.0706	GRAVEL STRATA	500700	181700	WE12
COLNBROOK SHAFT, OFF A4, COLNBROOK,	Trade	CNTS.0002	COLNBROOK	502700	177600	WE2
SITE OFFICE, ALL SOULS FARM, WEXHAM	Sewage - not water company	CNTW.0377	BOYN HILL TERRACE	499900	182200	WE12
KINGSMEAD QUARRY, WELLEY ROAD, HORT	Trade	CNTM.0377	A LAKE TRIBUTARY OF THEHORTON	501020	175100	WE2
ALL SOULS FARM PIT, WEXHAM PARK LAN	Trade	CATM.2381	HORTON BROOK	499930	181500	WE1
LOVE HILL HOUSE FARM, LOVE HILL LAN	Sewage - not water company	CTWC.1452	RIVER GRAVELS	501340	180880	WE12
LOVE HILL HOUSE, LOVE HILL LANE, SL	Sewage - not water company	CNTM.1271	TRIBUTARY OFTHE HORTONBROOK	501350	180860	WE1
GRANGE FARM	Sewage - not water company	NPSWQD003028	GROUND WATERS VIA A SOAKAWAY	503345	180700	WE12
CHERRY ORCHARD, TRENCHES LANE, WEXH	Sewage - not water company	CNTW.0770	RIVER BRICKEARTH	501500	180600	WE12
THE BUNGALOW, RAILWAY VIEW, DATCHET	Sewage - not water company	CTWC.0022	GRAVEL	500600	175900	WE12
6, BELLS LANE, HORTON, SLOUGH, BERK	Sewage - not water company	CTWC.0407	GRAVEL	501690	175770	WE12
5A BELLS LANE, HORTON, NR SLOUGH, B	Sewage - not water company	CTWC.0273	GRAVEL	501700	175760	WE12
1 RICHINGS WAY, IVER, BUCKS	Sewage - not water company	CTWC.2406	RIVER TERRACE GRAVELS	504020	179420	WE12
LAND ADJOINING PARK LODGE, PARK LAN	Sewage - not water company	CTCU.1754	LONDON CLAYSTRATA	501300	175800	WE13
MILDRIDGE FARMHOUSE, HORTON ROAD, H	Sewage - not water company	CTCU.1907	GRAVEL STRATA	501900	177100	WE12
8 RAILWAY VIEW, DATCHET ROAD, HORTO	Sewage - not water company	CTWC.0688	GRAVEL	500700	175900	WE12
BLACK PARK COUNTRY PARK	Sewage - not water company	NPSWQD007465	HORTON BROOK	500519	183126	WE1
LANGLEY PARK	Sewage - not water company	NPSWQD008709	TRIB OF RIVER THAMES	501619	182217	WE1
ROWLEY FARM COMPLEX, BLACKPARK ROAD	Sewage and Trade combined	CTCR.2086	HORTON BROOK	500420	182880	WE1
HEATH LODGE, WOOD LANE, IVER, BUCKI	Sewage - not water company	CNTW.0073	UN-NAMED TRIB OF HORTON BROOK	502280	181530	WE1
IVER FLOWERLAND PRODUCTION NURSERY	Agriculture	CANG.0098	LAND	502850	181980	WE12
WOOD LANE FARM, WOOD LANE, IVER, BU	Sewage - not water company	CNTM.1168	GRAVELS	502200	181800	WE12
HOLLYDENE, FULMER COMMON, IVER, BUC	Sewage - not water company	CNTM.2067	TRIBUTARY OFTHE ALDERBOURNE	501360	184950	WE10
TEMPLE GRANGE, BILLET LANE, IVER, B	Sewage - not water company	CNTM.1052	ROUGHGROUNDWOOD STREAM	501610	182440	WE1
WOODLANDS STABLES	Sewage - not water company	CANM.0701	GROUNDWATER VIA SOAKAWAY	501970	181600	WE12
LANTERN LODGE, LOVE GREEN LANE, IVE	Sewage - not water company	CTWC.0183	TRIBUTARY OFCOLNE BROOK	503200	181800	WE2
HIGHFIELD HOUSE & EXTENSION, BILLET	Sewage - not water company	CNTM.0862	GRAVELS	501690	182190	WE12
ORCHARD VIEW	Sewage - not water company	CANM.1221	DIT TRIB HORTON BR VIA PERF PI	501895	181695	WE1
CALVES LANE FARMHOUSE, BEWSWOOD LAN	Sewage - not water company	CNTM.1727	GRAVELS	501700	181650	WE12
GOONEVEAN	Sewage - not water company	CANM.1338	GROUNDWATER VIA SOAKAWAY	502124	182061	WE12
BRYNAWELON FARM, SWALLOW STREET, IV	Sewage - not water company	CTWC.1431	GLACIAL SAND & GRAV INTO LAND	502830	181580	WE12
ST CATHERINES HOUSE,WOOD LANE,IVER,	Sewage - not water company	CTWC.1752	UNNAMED TRIB OF HORTON BROOK	502400	181700	WE1
PINEWOOD STUDIOS INTERCEPTOR	Sewage - not water company	EPRWP3129GG	HORTON BROOK	501479	184114	WE1
SHREDDING GREEN FARM	Agriculture	CANG.0037	LAND	502740	181010	WE12
M4 MAINTENANCE COMPOUND J3 EAST	Sewage - not water company	CATM.2485	GRAVELS	512421	177891	WE12
WYEVALE GARDEN CITY	Sewage - not water company	CANM.1354	GROUNDWATER VIA SOAKAWAY	515466	178120	WE12
NEW LODGE, LION GATE, SYON PARK, BR	Sewage - not water company	CTCU.1933	GRAVEL STRATA	516780	176970	WE12
WILDERNESS LODGE, SYON PARK, BRENTF	Sewage - not water company	CNTW.1084	RIVER GRAVEL	516980	176300	WE12
BERRITE INDUSTRIAL ESTATE, IRONBRID	Sewage and Trade combined	CTWC.0957	GRAND UNIONCANAL	507200	180000	WE10
THE BERRITE ESTATE, IRON BRIDGE ROA	Miscellaneous	CTWC.1112	GRAND UNIONCANAL	507300	179900	WE10

WEST DRAYTON DEPOT, STOCKLEY ROAD,	Trade	CNTM.1020	GRAND UNIONCANAL	507800	179900	WE10
THE BARGE STUDIO	Sewage - not water company	CANM.0837	GROUNDWATER VIA SOAKAWAY	505216	181423	WE12
UBS AG	Trade	NPSWQD003883	GRAND UNION CANAL	509311	179860	WE10
SWOT PUMPING STATION	Trade	CNTM.1243	CLOCKHOUSE LANE PIT	507690	172970	WE12
ASHFORD COMMON TREATMENT WORKS, ASH	Trade	CNTM.1472	RIVER ASH	508688	170136	WE4
KEMPTON WATER WORKS, COUNTRY WAY, S	Trade	CATM.2937	PORTLANE BROOK	511000	171200	WE6
5, 8, 9, 10, 11, & 12, THE SMALLHOL	Sewage - not water company	CNTM.0731	RIVER GRAVELS ON LONDONCLAY	507900	171940	WE12
LORRY & CAR PARK AREA, UNIGATE DAIR	Trade	CNTW.1142	PORTLANE BROOK	511060	171250	WE6
Charlton Lane	Sewage - water company	TEMP.0636	Thames	508000	169500	WE8
7 CLOCKHOUSE LANE	Sewage - not water company	CANM.1003	INTO LAND	507937	172078	WE12
SWOT PUMPING STATION	Trade	CANM.0614	CLOCKHOUSE LANE PIT	507700	172950	WE12
WALTON WATER WORKS	Trade	CNTS.0008	INLET CHANNEL OF RESERVOIRS	511500	169730	WE11
WEST LONDON TERMINAL, BEDFONT ROAD,	Trade	CNTM.1360	CLOCKHOUSE LANE PIT	507200	172700	WE12
KINGDOM HALL	Sewage - not water company	CNTM.0851	GRAVELS ON LONDON CLAY	511920	171770	WE12
CLOCKHOUSE SERVICE STATION	Sewage - not water company	CANM.0980	INTO LAND	507984	173319	WE12
S OF STAINES RD, W OF CLOCKHOUSE LN	Sewage - not water company	NPSWQD000939	GW VIA A SOAKAWAY	507697	173171	WE12
NO.624 STAINES ROAD, BEDFONT, MIDL	Sewage - not water company	CNTM.0363	RIVER GRAVELS	507910	173350	WE12
GRAVEL PIT, NEW ROAD, LITTLETON, SU	Sewage - not water company	CTWC.3377	RIVER ASH	507700	168500	WE4
THOMPSON'S PLANT & GARDEN CENTRE	Sewage and Trade combined	CASM.0046	A TRIBUTARY OF THE RIVER ASH	508100	168500	WE4
SHEPPERTON STUDIOS, SHEPPERTON, MID	Miscellaneous	CTWC.0471	RIVER ASH	506880	168420	WE4
FORMER ICL, BEAUMONT	Miscellaneous	CTCR.1594	TRIB OF THAMES	499300	173400	WE8
1-4 BOVENEY COURT FARM & 1-2 BOV.	Sewage - not water company	CASM.2343	GROUNDWATER VIA A SOAKAWAY	493530	177710	WE12
ETON COLLEGE, ETON, WINDSOR, BERKS	Sewage - not water company	CTCU.1960	FLOOD PLAINGRAVEL STRATA	496850	177980	WE12
1A DOUGLAS LANE, WRAYSBURY, STAINES	Sewage - not water company	CTWC.0881	GRAVEL	500750	174360	WE12
WINDSOR MARINA	Trade	CASM.0509	RIVER THAMES	493130	177300	WE8
ETON COLLEGE BOATING LAKE	Sewage and Trade combined	CASM.0066	RIVER THAMES	493780	177370	WE8
QUEENSHED FILLING STATION, A308, W	Sewage - not water company	CTWC.0697	TAPLOW GRAVELS	491570	177720	WE12
WINDSOR WATERWORKS, ROMNEY LANE, WI	Trade	CATM.2940	WINDSOR PUMPRACE	497000	177900	WE8
ANDREWS BOATHOUSE	Sewage - not water company	EPRPB3336AZ	THE RIVER THAMES	493871	177401	WE8
Eton, Pressure Filter Backwash	Trade	TEMP.3052	Corporation Stream (trib. of T	496800	177700	WE8
PROPERTY ADJ TO MAGPIE COTTAGE	Sewage - not water company	CATM.3697	RIVER THAMES	499600	173300	WE8
17 STAINES ROAD, WRAYSBURY, STAINES	Sewage - not water company	CTCU.1930	GRAVEL STRATA	500400	173800	WE12
EMERGENCY DISCHARGE, EGHAM WATER WO	Trade	CNTW.0121	RIVER THAMES	502100	171800	WE8
EMERGENCY DISCHARGE, EGHAM WATER WO	Trade	CATM.2540	RIVER THAMES	502400	171800	WE8
GREEN GABLES	Sewage - not water company	CATM.3669	RIVER THAMES	492000	177900	WE8
1A DOUGLAS LANE, WRAYSBURY, STAINES	Sewage - not water company	CTWC.0880	GRAVEL	500750	174340	WE12
WRAYSBURY VILLAGE HALL, THE GREEN,	Sewage - not water company	CTCU.1135	GRAVEL STRATA	500400	174200	WE12
NEW BOWRY HOUSING SITE, STATION ROA	Sewage - not water company	CTCU.0729	GRAVEL STRATA	500800	174300	WE12
EGHAM WATER WORKS, THE CAUSEWAY, ST	Trade	CATM.3042	RIVER THAMES	502250	171800	WE8
PHOENIX GYMNASIAC CLUB, UNIT ONE WA	Sewage - not water company	CATM.2321	THAMES GRAVELS	491950	177800	WE12
DATCHET WATER TREATMENT WORKS, POCO	Trade	CNTM.1739	MYRKE DITCH	497640	178130	WE8
WINDSOR STW, HAM ISLAND, OLD WINDSO	Sewage - water company	CNTD.0055	RIVER THAMES	499640	175000	WE8
MUNICIPAL CAR PARK, BARRY AVENUE, W	Miscellaneous	CTWC.1583	RIVER THAMES	496250	177300	WE8
EGHAM WATER WORKS, THE CAUSEWAY, ST	Trade	CNTW.0106	RIVER THAMES	502250	171800	WE8
Windsor	Sewage - water company	TEMP.3014	Thames	499700	175001	WE8
ROMNEY LOCK	Sewage - not water company	CASM.1382	INTO LAND	496950	177760	WE12
THE MAYS, GARSON LANE, WRAYSBURY, S	Sewage - not water company	CTWC.1152	FLOOD PLAINGRAVELS	499900	173860	WE12
BOVENEY LOCK HOUSE & MESS-ROOM, BOV	Sewage - not water company	CSSM.0038	RIVER THAMES	494550	177750	WE8
26, OUSELEY RD, WRAYSBURY, STAINES,	Sewage - not water company	CTWC.1053	FLOOD PLAINGRAVELS	499800	173900	WE12
2 FRIARY ISLAND, WRAYSBURY, STAINES	Sewage - not water company	CNTW.0529	RIVER THAMES	499200	173900	WE8

PLOT 3, FAIRFIELD APPROACH, WRAYSBU	Sewage - not water company	CNTM.1908	GRAVELS	499950	174280	WE12
WILLOW POINT	Sewage - not water company	NPSWQD004580	TRIBUTARY OF RIVER THAMES	499212	173886	WE8
AKLAN, HILLVIEW ROAD, WRAYSBURY, ST	Sewage - not water company	CTWC.0286	GRAVEL	499870	174440	WE12
SPINNEYSIDE, MEDE CLOSE, OFF MAGNA	Sewage - not water company	CTWC.0902	GRAVEL	499950	173200	WE12
RIVER JOY, DOWN PLACE, WINDSOR ROAD	Sewage - not water company	CATM.2482	TERRACE GRAVELS	492300	177700	WE12
SEKOS, FRIARY ISLAND, WRAYSBURY, ST	Sewage - not water company	CTWC.2610	RIVER THAMES	499200	173700	WE8
PLOT 2, 74, WELLEY ROAD, WRAYSBURY,	Sewage - not water company	CTWC.2371	RIVER GRAVELS OVR LONDON CLAY	500050	174650	WE12
LINDEN LEE, 7 BOWRY DRIVE, WRAYSBUR	Sewage - not water company	CTWC.1913	RIVER GRAVELS OVERLYINGLONDON	500890	174240	WE12
NO. 28 FRIARY ROAD, WRAYSBURY, STAI	Sewage - not water company	CATM.2302	THAMES GRAVELS	499300	174100	WE12
BUNGALOW ADJ. TO THE MAYS, GARSON L	Sewage - not water company	CTWC.1093	FLOOD PLAINGRAVEL	499900	173850	WE12
PLOT ADJOINING ROSTELLA, FAIRFIELD	Sewage - not water company	CTWC.1150	RIVER GRAVELS	499960	174310	WE12
4 WHARF ROAD, WRAYSBURY, STAINES, M	Sewage - not water company	CTWC.0700	GRAVEL	499640	173880	WE12
47 THE AVENUE, SUNYMEADS, WRAYSBURY	Sewage - not water company	CTWC.2533	RIVER THAMES	499920	175550	WE8
LA DIGUE, 3 BOWRY DRIVE, WRAYSBURY,	Sewage - not water company	CTWC.1519	FLOOD PLAIN GRAVS O/L LAND	500850	174200	WE12
PLOT ADJ. TO LITTLE ORCHARD, HILL V	Sewage - not water company	CNTM.0594	GRAVELS	499850	174470	WE12
PLOT ADJ. TO WILLOWMERE, HILL VIEW	Sewage - not water company	CNTM.0593	GRAVELS	499850	174480	WE12
129 WELLEY ROAD, WRAYSBURY, STAINES	Sewage - not water company	CTCU.1424	GRAVEL DISCHARGE	500000	175300	WE12
ADJ. TO THE GREEN MAN, STATION RD,	Sewage - not water company	CTCU.1506	GRAVEL STRATA	500950	174300	WE12
31 WELLEY ROAD, WRAYSBURY, STAINES,	Sewage - not water company	CTWC.0723	GRAVEL	500000	174300	WE12
42 FRIARY ROAD, WRAYSBURY, STAINES,	Sewage - not water company	CNTW.0259	FLOOD PLAINGRAVEL	499300	173950	WE12
4 THE EMBANKMENT, WRAYSBURY, STAINE	Sewage - not water company	CTWC.1585	RIVER THAMES	499400	173400	WE8
NORTH LODGE, 2 THE DRIVE/97 WELLEY	Sewage - not water company	CTCU.0962	GRAVEL STRATA	499900	174800	WE12
6 BOWRY DRIVE, WRAYSBURY, STAINES,	Sewage - not water company	CTWC.1623	RIVER GRAVELS OVERLYINGLONDON	500850	174210	WE12
NEW VICARAGE BY 57 WELLEY ROAD, WRA	Sewage - not water company	CNTM.1509	GRAVELS	500010	174500	WE12
VILLA SHIREEN, SOUTHLEA ROAD, DATCH	Sewage - not water company	CTCR.1811	THAMES	498600	176400	WE8
DINGLEY DELL COTTAGE, FRIARY ISLAND	Sewage - not water company	CATM.2546	THAMES ALLUVIUM	499300	174300	WE12
BOWRY DRIVE, WRAYSBURY, STAINES, MI	Sewage - not water company	CTWC.1817	RIVER GRAVELS OVERLYINGLONDON	500920	174240	WE12
THE SWAN SANCTUARY, CUCKOO WEIR ISL	Sewage - not water company	CATM.3003	BACK WATER OF THE RIVERTHAMES	495800	177500	WE8
BOVENEY LOCK	Sewage - not water company	CASM.1340	GROUNDWATER VIA A SOAKAWAY	494440	177730	WE12
ANKERWYCKE FARMHOUSE	Sewage - not water company	NPSWQD007116	THE RIVER THAMES	500549	173244	WE8
1 & 2 ANKERWYCKE FM, COTTS, MAGNA C	Sewage - not water company	CNTM.1159	HORTON BROOK	500560	173250	WE1
FARM WORKERS HOSTEL, WATER OAKLEY F	Sewage - not water company	CTCU.0811	GRAVEL STRATA	491900	177800	WE12
LONGACRE	Sewage - not water company	CASM.0456	THE RIVER THAMES	490270	180650	WE8
SPRING COTTAGE, CLIVEDEN ESTATE, TA	Sewage - not water company	CATM.3198	RIVER THAMES	490870	184490	WE8
BRAYWOOD HOUSE, DRIFT ROAD, WINDSOR	Sewage - not water company	CNTM.0781	TRIB OF OAKLEY GREEN STREAM	491500	175500	WE8
BRAY LOCK HOUSE, BRAY LOCK, NEAR MA	Sewage - not water company	CSSM.0034	RIVER THAMES	491000	179800	WE8
THE TARBAY CENTRE	Sewage - not water company	CASM.2622	UNNAMED DITCH	492899	175564	WE8
PRINCESS MARGARET HOSPITAL, OSBOURN	Miscellaneous	CNTW.0194	BOURNE DITCH	496500	175700	WE8
ENGLEFIELD PARK	Sewage - not water company	CASM.0577	TRIBUTARY OF THE RIVER THAMES	499970	171690	WE8
THE RED HOUSE	Sewage - not water company	CASM.0578	THE RIVER THAMES	490180	180590	WE8
MILL LODGE (FORMERLY FORMOSA LODGE)	Sewage - not water company	CASM.0201	LULLE BROOK	490280	185040	WE8
NEW LODGE, DRIFT ROAD, WINKFIELD, B	Sewage - not water company	CNTM.1898	TRIB OF THE CHAWRIDGE BOURNE	491200	175000	WE8
GALE BUNGALOW	Sewage - not water company	NPSWQD008382	TRIBUTARY OF THE RIVER THAMES	492956	175951	WE8
THE OLD ORCHARD (EX HERGESWIL)	Sewage - not water company	CASM.0412	TRIB. OF THE STROUD FARM DITCH	490400	176560	WE8
GREY FLINTS	Sewage - not water company	CASM.0958	TRIBOF THE OAKLEY GREEN STREAM	491620	175520	WE8
TARBAY WOODS HOUSE	Sewage - not water company	EPREB3899NZ	RIVER THAMES	492952	175734	WE8
HOME FARM, DRIFT ROAD, WINKFIELD, B	Sewage - not water company	CNTM.1720	TRIB OF OAKLEY GREEN STREAM	492070	174360	WE8
BARGEFIELD HOUSE, BARGE FARM, AMERD	Sewage - not water company	CATM.2768	AMERDEN DITCH	490500	180300	WE8
KIMBERS LANE FARM, OAKLEY GREEN ROA	Sewage - not water company	CTWC.1252	TRIB OF OAKLEY GREEN STREAM	492150	176350	WE8
THE MEWS, SALWEY HSE, JEBB HSE, RU.	Sewage - not water company	CATM.3668	RUNNYMEDE PARK POND INTO THAMS	500500	171500	WE8

LAKESIDE FARM, FIFIELD LANE, WINKFI	Sewage - not water company	CATM.3127	TRIB OF THE OAKLEYGREEN STREAM	491070	175490	WE8
Lower Cookham Rd Car Park	Sewage - water company	TEMP.1396	Thames	490300	182500	WE8
FERRY COTTAGE & NEW COTTAGE, CLIVED	Sewage - not water company	CNTW.0458	RIVER THAMES	490900	184900	WE8
SUNBURY GOLF CLUB, CHARLTON LANE, S	Sewage - not water company	CNTM.0521	GRAVELS	508550	168300	WE12
STW, HOME PARK GOLF CLUB, HAMPTON W	Sewage - not water company	CTCR.1591	HAMPTON COURT DITCH	516900	167500	WE8
WALTON WATER WORKS	Trade	CNTW.0160	INTAKE CHANNEL FROM R. THAMES	511700	168480	WE11
SURREY ECO PARK	Trade	EPREB3396NY	UNNAMED TRIB OF RIVER ASH	508564	168396	WE4
SECONDARY FILTER BOTTOM DRAIN, HURS	Trade	CNTW.0188	INTAKE CHANNEL FROM R. THAMES	511720	168430	WE11
BP OIL TERMINAL, SUNBURY LANE, WALT	Trade	CATM.3199		510400	167600	WE8
WALTON WATER WORKS	Trade	CNTW.0172	INTAKE CHANNEL FROM R. THAMES	511730	168420	WE11
OUTLET D, (CONTACT TANKS SCREEN WAS	Trade	CNTW.0189	INTAKE CHANNEL FROM R. THAMES	511660	168550	WE11
TOAD HALL & BASCOBEL	Sewage - not water company	EPRAB3292RF	RIVER THAMES	504255	169521	WE8
STAINES LANE, CHERTSEY, SURREY, KT1	Trade	CTCR.1620	GRAVL PIT CONNECT'G WTH THAMES	503950	169100	WE12
WALTON WATER WORKS	Trade	EPRDB3495EF	WALTON WATER INTAKE CHANNEL	511700	168470	WE11
Hampton, Filterwash	Trade	TEMP.3060	River Thames	513400	169401	WE8
SURREY ECO PARK	Trade	EPREB3396NY	UNNAMED TRIB OF RIVER ASH	508440	168735	WE4
THAMES STREET / HIGH STREET, STAINE	Miscellaneous	CTWC.0760	RIVER THAMES	503500	171400	WE8
BP OIL UK LTD	Trade	CASM.1471	GROUNDWATER VIA A SOAKAWAY	510940	168290	WE12
WALTON WATER WORKS	Trade	EPRDB3495EF	WALTON WATER INTAKE CHANNEL	511610	168640	WE11
CLAR INNIS, RIVERSIDE, TEMPLE GARDE	Sewage - not water company	CATM.2616	RIVER THAMES	504300	169500	WE8
PENTON HOOK	Sewage - not water company	CASM.1381	INTO LAND	504390	169550	WE12
SUNBURY LOCK HOUSE	Sewage - not water company	CASM.1383	INTO GROUND	510990	168540	WE12
ISLAND END, LALEHAM REACH, CHERTSEY	Sewage - not water company	CTCU.1478	GRAVEL O/L LONDON CLAY STRATA	504320	168990	WE12
AVOCA, LALEHAM REACH, CHERTSEY, SUR	Sewage - not water company	CTCU.0423		504800	169300	WE8
REPLACEMENT DWELLING, ROSE COTTAGE,	Sewage - not water company	CNTM.2141	GRAVELS	517300	169200	WE12
WALTON WATER WORKS	Miscellaneous	CNTW.0096	R. THAMES (DESBOROUGH CHANNEL)	508720	166110	WE8
SANDWASHER PUMPING STATION, WALTON	Miscellaneous	CNTW.0143	R. THAMES (DESBOROUGH CHANNEL)	508380	166040	WE8
SECONDARY FILTERS, WALTON WATER WOR	Trade	CNTW.0139	R. THAMES (DESBOROUGH CHANNEL)	508380	166040	WE8
WALTON WATER WORKS	Trade	CNTW.0096	R. THAMES (DESBOROUGH CHANNEL)	508720	166110	WE8
HAMPTON COURT GOLF CLUB	Sewage - not water company	EPRCB3191NU	RIVER THAMES	517215	167544	WE8
SHEPPERTON GRAVEL PIT, LITTLETON LA	Trade	CNTM.2074	RIVER THAMES	505470	166720	WE8
SUNBURY DEPOT	Sewage - not water company	EPRSB3999NU	RIVER THAMES	510286	167893	WE8
FORMER KINGSTON POWER STATION	Trade	EPRUP3728GE	RIVER THAMES	517774	169672	WE8
VINTAGE INN	Sewage and Trade combined	CATM.3698	RIVER THAMES	505450	166640	WE8
RYE MEAD HOUSE, LOWER HAMPTON ROAD,	Sewage - not water company	CATM.3056	RIVER THAMES	512380	169050	WE8
PARKFIELD, BARGE WALK, HAMPTON WICK	Sewage - not water company	CTWC.3267	RIVER THAMES	517750	168610	WE8
33 THAMES MEADOW, SHEPPERTON, MIDDLE	Sewage - not water company	CTWC.1201	RIVER THAMES	509000	166100	WE8
NO 1 - 4 PENNY MOORINGS, RIVERSIDE,	Sewage - not water company	CNTM.0787	RIVER THAMES	509430	166720	WE8
BUDE HAVEN	Sewage - not water company	NPSWQD008488	RIVER THAMES	509508	166695	WE8
THE LODGE	Sewage - not water company	CASM.0723	THE RIVER THAMES	517680	168620	WE8
LYNDHURST	Sewage - not water company	EPRLP3729GK	RIVER THAMES	512307	169080	WE8
WATERSIDE	Sewage - not water company	CASM.0197	RIVER THAMES	510180	167620	WE8
PAX	Sewage - not water company	CANM.1067	TO THE RIVER THAMES	509400	166700	WE8
DESIGN EQUIPTY, UNIT 19, PLATTS EYOT,	Sewage - not water company	CATM.3268	RIVER THAMES	513600	169200	WE8
WATERSIDE	Sewage - not water company	CASM.0097	RIVER THAMES	510180	167620	WE8
HAMBLEDEN, THE MEADS, CHERTSEY, SUR	Sewage - not water company	CTCR.2165	THAMES	505600	166300	WE8
SITE NEXT TO RYEPECK STABLES, CHERT	Sewage - not water company	CTWC.3483	RIVER THAMES	506200	166700	WE8
RANGE COTTAGE	Sewage - not water company	CANM.0681	RIVER THAMES	506480	166490	WE8
FORMER FERRY HOUSE	Sewage - not water company	CASM.1234	BURWAY DITCH	504870	168500	WE8
HAMPTON WTW, LOWER SUNBURY ROAD	Trade	CATS.0040	RIVER THAMES	513600	169300	WE8

SUNNYSIDE RESERVOIR, HAMPTON WATER	Trade	CNTW.0276	RIVER THAMES	512840	168930	WE8
WALTON WATER WORKS	Trade	CNTW.0161	RIVER THAMES	511500	168800	WE8
Kingston Main	Sewage - water company	TEMP.1273	Thames	517800	169601	WE8
Portsmouth Road, Uxbridge Road	Sewage - water company	TEMP.2843	Thames	517700	168000	WE8
LAFARGE READYMIX EGHAM	Trade	CASM.2736	GROUND WATERS VIA A SOAKAWAY	502053	169592	WE12