

Southampton to London Pipeline Project

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Southampton to London Pipeline Project

Esso Petroleum Company, Limited

Appendix 7.1: Habitats and Botany Factual Report

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Southampton to London Pipeline Project

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1 Introduction

1.1 Overview

- 1.1.1 Esso Petroleum Company, Limited (Esso) is making an application for development consent to replace 90km (56 miles) of its existing 105km (65 miles) aviation fuel pipeline that runs from the Fawley Refinery near Southampton, to the Esso West London Terminal storage facility in Hounslow. The replacement pipeline is 97km (60 miles) long, and within this report is referred to as 'the project'.
- 1.1.2 This Habitats and Botany Factual Report has been produced to support the application for development consent and the accompanying Environmental Statement (ES) under the Planning Act 2008.

1.2 Legal and Policy Context

- 1.2.1 Articles 1 and 2 of Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora ('The Habitats Directive') require that European Union member states maintain at favourable conservation status the habitats and species listed in the Annexes to the Directive. Annex I of the Directive lists 78 habitats occurring in the UK (hereafter, Annex I Habitats), and Annex II lists four bryophyte and nine vascular plant species occurring in the UK (JNCC, 2014). Twenty-three of the Annex I Habitats are a priority for conservation within the European Union (hereafter, Priority Annex I Habitats).
- 1.2.2 The main item of domestic legislation protecting wild flora is the Wildlife and Countryside Act 1981 (as amended). Schedule 8 of the Act lists five fungi, 30 lichens, two stoneworts, 37 bryophytes and 113 vascular plants which are afforded special protection. Annex I of the Act makes it an offence if any person:
- intentionally picks, uproots or destroys any wild plant included in Schedule 8;
 - not being an authorised person, intentionally uproots any wild plant not included in that Schedule;
 - sells, offers or exposes for sale, or has in his possession or transports for the purpose of sale, any live or dead wild plant included in Schedule 8, or any part of, or anything derived from, such a plant; or
 - publishes or causes to be published any advertisement likely to be understood as conveying that he buys or sells, or intends to buy or sell, any of those things.
- 1.2.3 Section 14(2) of the Wildlife and Countryside Act 1981 (as amended) makes it an offence to plant or otherwise cause to grow in the wild any plant which is included in Part II of Schedule 9. Schedule 9 is a list of 12 algae and 42 vascular plants that are invasive non-native species.
- 1.2.4 Wild flora and semi-natural habitats are also afforded limited protection by the Natural Environment and Rural Communities (NERC) Act 2006. Section 41 of the Act requires that the Secretary of State publish a list of species and habitats that are of principal importance for the purpose of conserving biodiversity in England (hereafter, Priority Species and Priority Habitats). The list of Priority Species comprises 63 fungi, 95 lichens, nine stoneworts, 77 bryophytes and 150 vascular



plants. The list of Priority Habitats comprises 40 terrestrial/freshwater habitats and 25 marine habitats. Section 40 of the Act places a duty on any public authority to have regard to the purpose of conserving biodiversity in the exercising of its functions.

1.2.5 In addition to the above statutory designations, several non-statutory conservation statuses exist to describe levels of rarity or threat to wild flora:

- Nationally Rare (NR) and Nationally Scarce (NS) plants – Plant taxa that occur in respectively 1-15 or 16-100 10km Ordnance Survey grid squares across Great Britain and Ireland. A list of NR and NS vascular plants is maintained by the Botanical Society of Britain and Ireland (BSBI, 2013).
- Red lists – Most of the UK flora have been assessed against International Union for the Conservation of Nature (IUCN) criteria and assigned a threat status of Least Concern (LC), Near Threatened (NT), Vulnerable (VU), Endangered (EN), Critically Endangered (CR) or Extinct in the Wild (EW). Taxa assessed as VU, EN, CR are considered at threat, and of increasing conservation priority in that order. LC taxa are not threatened.
- A list of internationally threatened species is maintained by the IUCN (IUCN, 2018), and vascular plants have been assessed for England (Stroh *et al.*, 2014) and Great Britain (Cheffings *et al.*, 2005). Other taxonomic groups have been assessed against non-IUCN methodology, e.g. stoneworts (Stewart and Church, 1992).
- County and Vice County lists – Lists of vascular plants that are locally rare or scarce are available for the vice counties of South Hampshire (VC11) and North Hampshire (VC12) and for the county of Hampshire (Rand and Mundell, 2011), and for the vice county of Surrey (VC17) (Surrey Botanical Society, 2018).

1.2.6 The legal and conservation statuses referred to in this report and abbreviations used are summarised in Table 1.1.

Table 1.1: Botanical Legal and Conservation Statuses Used in this Report

Legal/Conservation Status	Abbreviation
Listed on Schedule 8 of the Wildlife and Countryside Act 1981 (as amended)	Schedule 8
Priority Species (species of principal importance)	S41
Nationally Rare	NR
Nationally Scarce	NS
Great Britain Critically Endangered	GB CR
Great Britain Endangered	GB EN
Great Britain Vulnerable	GB VU
Great Britain Near Threatened	GB NT
England Critically Endangered	Eng CR
England Endangered	Eng EN
England Vulnerable	Eng VU
England Near Threatened	Eng NT
Hampshire Rare	Hants Rare
Hampshire Scarce	Hants Scarce



Legal/Conservation Status	Abbreviation
South Hampshire (VC11) Rare	VC11 Rare
South Hampshire (VC11) Scarce	VC11 Scarce
North Hampshire (VC12) Rare	VC12 Rare
North Hampshire (VC12) Scarce	VC12 Scarce
Surrey (VC17) Rare	VC17 Rare
Surrey (VC17) Scarce	VC17 Scarce
Listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended)	Schedule 9
Other invasive non-native plant species	INNS

2 Methodology

2.1 Introduction

2.1.1 This report presents the results of the following:

- desk study;
- field survey;
- site evaluation; and
- incidental records.

2.1.2 The survey methodology is based on the methodology described in the project's Scoping Report (Esso, 2018).

2.2 Desk Study

2.2.1 An initial desk-based study was undertaken to identify habitats and plant populations potentially of importance for biodiversity that could be impacted by the project. The type, distribution and extent of features and the potential impacts that could arise were assessed to determine boundaries of sites to be surveyed and the type of survey that would be required. Survey site boundaries were identified to allow for changes to possible pipeline location and indirect impacts and were not limited to the Order Limits. Some sites initially identified by the desk study and/or surveyed were subsequently scoped out following design changes and are not considered in this report.

2.2.2 The desk study initially identified the following statutory and non-statutory designated sites that could be impacted:

- Ramsar wetlands of international importance;
- Special Protection Areas (SPA);
- Special Areas of Conservation (SAC);
- Sites of Special Scientific Interest (SSSI);
- Sites of Importance for Nature Conservation (SINC) (Hampshire);
- Road Verge of Importance (RVI) (Hampshire);
- Sites of Nature Conservation Importance (SNCI) (Surrey);



- Conservation Verges (Surrey); and
- Ancient Woodland Inventory sites (Natural England, 2018a).

2.2.3 Areas of potential biodiversity importance outside of designated sites were identified using data gathered by the project, e.g. by identifying woodland or hedgerows connected to Ancient Woodland Inventory sites. The following sources of information were used:

- citations of statutory designated sites;
- citations and other information about non-statutory designated sites;
- Priority Habitat Inventory (Natural England, 2015);
- Ancient Woodland inventory (Natural England, 2018a);
- background habitat and botanical data obtained from Hampshire Biodiversity Information Centre and Greenspace Information for Greater London. Data were also requested from Surrey Biodiversity Information Centre (SBIC) but no response was provided; and
- high resolution aerial photography captured as part of the project.

2.2.4 Outside of designated sites, the desk study aimed to identify for survey habitats such as neutral grassland that were likely to be less extensive or more localised along the route and in the wider landscape and to which impacts could therefore potentially be greater. Stands of woodland were found to be common and extensive along the route, so that the desk study focused on identifying those woodlands for survey that were potentially of greater value, such as undesignated woodland connecting Ancient Woodland. Hedgerows were the subject of separate desk study and field survey (Appendix 7.2 Hedgerow Factual Report) and so were not identified by the present desk study.

2.3 Field Survey

2.3.1 All sites identified by the desk study were subject to field survey to record the habitats and plants present. A selection of sites was subject to more detailed vegetation survey, as identified by the desk study. The survey methods are described below.

2.3.2 Surveys were timed for the main growing season, i.e. May to August, but some sites could not be surveyed during this period due to land access and project programme constraints. Vascular plants were the focus of surveys. Lower plants (i.e. algae, mosses, liverworts and lichens) were recorded incidentally or where these were found to form a large component of the vegetation.

2.3.3 A separate survey effort and factual report on hedgerows is provided in Appendix 7.2 Hedgerow Factual Report.

Habitat and Vegetation Survey

2.3.4 The field survey mapped the habitats of all sites surveyed following the Phase 1 habitat survey methodology (JNCC, 2010). Except for sites subject to vegetation



survey, mapping was at a scale of approximately 1:5,000, and notes were collected on habitat composition, structure, management and condition.

- 2.3.5 For sites subject to vegetation survey, the methodology of the National Vegetation Classification (NVC) was followed to classify vegetation (Rodwell, 2006). Homogenous stands of vegetation were mapped and assigned to units of the NVC, to sub-community where possible. Assignment of units of the NVC was largely made in the field. Some vegetation could not be assigned to units of the NVC and was assigned to an *ad hoc* unit, e.g. disturbed, early successional or artificial habitats or stands of single species not included in the NVC. Stands were also assigned to the appropriate Phase 1 habitat.
- 2.3.6 Vegetation mapping was detailed, at a scale of approximately 1:1,000. Stands were resolved as polygon features if having an area greater than approximately 1m².
- 2.3.7 Representative quadrat samples of the main vegetation types at each site were collected to support the field assignment of homogenous stands to NVC units, to aid assignment of homogenous stands to units of the NVC following the survey and to provide detailed records of vegetation composition and structure. The sampling method followed standard NVC methods (Rodwell, 2006).
- 2.3.8 For both survey types, survey maps were produced at the appropriate scale using high resolution aerial imagery collected for the project during March 2018 and overlain with 100m and 10m Ordnance Survey grids. The survey maps were printed and annotated in the field, using a Garmin eTrex[®] 10 handheld Global Positioning System (GPS) unit to locate positions (horizontal accuracy approximately 3m). Survey maps were subsequently scanned, and georeferenced and digitised in ArcGIS (ESRI, 2016).
- 2.3.9 Georeferenced and representative photographs of the habitats and vegetation of each site were taken using an Olympus Tough[®] compact camera.

Botanical Survey

- 2.3.10 All survey sites were subject to detailed recording of botanical taxa, with multiple lists for heterogeneous sites. The abundance of taxa was scored using the DAFOR system, where:
- D = dominant taxon;
 - A = abundant taxon;
 - F = frequent taxon;
 - O = occasional taxon; and
 - R = rare taxon.
- 2.3.11 The qualifier 'local' was used to describe heterogeneity in plant distribution, e.g. 'LF' for 'locally frequent'.
- 2.3.12 The status of all taxa recorded was assessed as 'native', 'archaeophyte' or 'neophyte' based on professional judgement and Hill *et al* (2007) for bryophytes and Hill *et al* (2004) for vascular plants.



- 2.3.13 Note was taken of botanical taxa of international, national or local importance. Such plants are hereafter referred to as 'notable plants'. Species such as bluebell (*Hyacinthoides non-scripta*) listed on Schedule 8 of the Wildlife and Countryside Act 1981 (as amended) but protected only under section 13(2), i.e. protection from commercial exploitation, were not considered notable. For occurrences of notable plants, a Garmin eTrex® 10 handheld GPS unit was used to record the location of discrete populations (horizontal accuracy approximately 3m) and ecological notes were collected. For sites supporting woodland or hedgerows, note was also taken of plants considered to be Ancient Woodland Indicators (AWI) in the south of England (Rose, 1999).
- 2.3.14 All occurrences of invasive non-native plants six were noted. Plant taxa were considered to be invasive non-native if they were listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended), or were non-native and clearly invasive at a site, or had the potential to become invasive. The assessment of potentially invasive species was based on professional judgement and resources such as the Great Britain Non-native Species Secretariat (NNSS, 2018).

2.4 Evaluation

- 2.4.1 The results from each survey site were evaluated to determine the biodiversity value of the site and the potential direct impacts of the project. Value was assessed following the criteria set out in the Environmental Statement for the project (Table 2.1). Habitats were evaluated using the JNCC descriptions of Priority and Annex I Habitats (Maddock, 2011; JNCC, 2014) and the Farm Environment Plan Manual (Natural England, 2010).
- 2.4.2 Direct impacts were determined as the area of habitat or location of populations of notable plants recorded during the survey or identified by the desk study within the Order Limits.
- 2.4.3 The implications of invasive non-native species recorded during site survey are not discussed as part of site evaluation. This is assessed in a separate factual report Appendix 7.4 Invasive Non-Native Plant Species Factual Report.

Table 2.1: Criteria for Determining Biodiversity Value

Value	Criteria
High (International/ National)	<p>International: European designated sites, including SPAs; potential SPAs (pSPAs); SACs; candidate or possible SACs (cSACs or pSACs); and Wetlands of International Importance (Ramsar sites).</p> <p>National: statutory designated sites, including SSSIs, National Nature Reserves; Ancient Woodland; species recorded as 'critically endangered' under the IUCN; resident or regularly occurring populations of species which may be considered at an international or national level where either of the following criteria is met: (i) the loss of these populations would adversely affect the conservation status or distribution of the species at this geographic scale; or (ii) the population forms a critical part of a wider population at this scale.</p> <p>Nationally Rare or Scarce taxa: Nationally Rare taxa are those occurring in 15 or fewer 10km Ordnance Survey grid-squares in the UK, Nationally Scarce species in 16-99 10km squares.</p>



Value	Criteria
Medium (Regional/ County)	<p>Statutory designated sites: Local Nature Reserves (LNRs).</p> <p>Non-statutory designated sites (i.e. SINC, SNCIs, Sites of Metropolitan Importance, Sites of Borough Importance) designated in the county/regional area context.</p> <p>Areas of key/Priority Habitats identified in the Local Biodiversity Action Plan (LBAP).</p> <p>Species or habitats listed in accordance with the requirements of Section 41 of NERC Act 2006.</p> <p>Resident or regularly occurring populations of species, which may be considered at a regional or county level where either of the following criteria is met: (i) the loss of these populations would adversely affect the conservation status or distribution of the species at this scale; or (ii) the population forms a critical part of a wider population at this scale.</p>
Low (Local)	<p>Receptor is relatively common and widespread but has elevated conservation status (e.g. it is listed in accordance with the requirements of Section 41 of NERC Act 2006, LBAP, Red Data Book listed and/or is legally protected).</p>
Negligible	<p>Receptor is abundant and widespread, receives no legal protection and is not of elevated conservation concern status.</p>

2.5 Incidental Records

- 2.5.1 Other ecological surveys have been undertaken as part of the project. Records of notable plants recorded incidentally during these surveys were collated and are presented in this report.
- 2.5.2 Records of invasive non-native species collected incidentally have been collated and are presented in Appendix 7.4 Invasive Non-Native Plant Species Factual Report.

2.6 Nomenclature

- 2.6.1 Botanical nomenclature throughout this report follows: the British Lichen Society taxon dictionary for lichens (British Lichen Society, 2018); Hill *et al* (2008) for bryophytes; and Stace (2010) for vascular plants.

2.7 Limitations

- 2.7.1 Due to the great size of the desk study search area it is possible that undesignated areas of potential biodiversity value were overlooked. Habitats that could not be reliably distinguished using desk information, such as Wet Woodland Priority Habitat, Lowland Mixed Deciduous Woodland Priority Habitat and other woodland non-Priority Habitat, may have been overlooked during the desk study and therefore not surveyed. However, the level of desk study effort was proportionate for the size of the project and its potential impacts to habitats and plant populations and used all possible available sources of information.
- 2.7.2 Background habitat and botanical data were requested from Surrey Biodiversity Information Centre (SBIC), but no response was provided. The geographic extent of this aspect of the desk study was therefore limited.
- 2.7.3 Limitations for each survey site are described in Section 3.2.

3 Results



3.1 Summary

Desk Study

- 3.1.1 The desk study identified 32 sites for survey that had the potential to support habitats or plant populations of importance for biodiversity that could be impacted by the project. A list of site locations is provided in Annex A and the desk study results for each site identified are described in Section 3.2. The site interest features, survey boundaries and survey scope of each survey site are described in Section 3.2.
- 3.1.2 Records of notable plants within 250m of the Order Limits obtained from local records centres are provided in Annex I. Background records of invasive non-native species are provided in Appendix 7.4 Invasive Non-Native Plant Species Factual Report.
- 3.1.3 Statutory designated sites were identified, in part or entirety, within the sites for survey:
- Thames Basin Heaths SPA;
 - Thursley, Ash, Pirbright and Chobham SAC;
 - Bourley and Long Valley SSSI;
 - Chobham Common SSSI;
 - Colony Bog and Bagshot Heath SSSI;
 - Dumsey Meadow SSSI; and
 - Chertsey Meads LNR.
- 3.1.4 The Bourley and Long Valley, Colony Bog and Bagshot Heath, and Chobham Common survey sites, including the SSSI with these names, were part of the Thames Basin Heaths SPA. The Colony Bog and Bagshot Heath and Chobham Common survey sites, including the SSSI with these names, were part of the Thursley, Ash, Pirbright and Chobham SAC.
- 3.1.5 There were 21 non-statutory designated sites within survey areas, either in part or entirety. These are listed by county below, southwest to northeast along the route.
- Hampshire:*
- Maddoxford Farm Meadows SINC;
 - Botley Golf Course Wood SINC;
 - Ford Lake Meadow SINC;
 - Ford Lake Woodland SINC;
 - Durley Mill Copse SINC;
 - Stephen's Castle Down (East) SINC;
 - Brockwood Copse & Roadside Strips SINC;
 - Water Lane SINC;



- Ewshot Meadows SINC;
- Wakefords Copse, Crondall SINC;
- South of Ively Road SINC;
- Cove Brook Grassland SINC;
- Cove Valley, Southern Grassland SINC; and
- Blackwater Valley, Frimley Bridge SINC.

Surrey:

- Frimley Hatches SNCI;
- Frith Hill SNCI;
- Frimley Fuel Allotments SNCI;
- The Folly SNCI;
- Monk's Walk North & West (including M3 Exchange Land) SNCI;
- Pannells Farm SNCI; and
- Chertsey Meads SNCI.

Field Survey

- 3.1.6 Surveys of the 32 survey sites identified by the desk study were conducted between April and November 2018. Dates of survey are provided in Annex A. Results for each survey site are described in Section 3.2, ordered by location from southwest to northeast along the route. Limitations due to access or other constraints are described. Representative photographs of the habitats of each site are provided in Annex D.

Habitats and Vegetation

- 3.1.7 A total of 877.17ha of habitat were mapped across the sites surveyed. Phase 1 habitat plans for each survey site are provided in Section 3.2. Target notes are provided in Annex C.
- 3.1.8 Six sites were subject to detailed vegetation survey: Ford Lake (section A of the project), Ewshot Meadows (section D), Bourley and Long Valley (section D), Colony Bog and Bagshot Heath (section F), Chobham Common (section F) and Dumsey Meadow (section G). Samples of vegetation were also taken from Durley Green Lane (section A) and Cove Brook (section E). A total area of 247.56ha was mapped during vegetation surveys. Vegetation plans for each of the six survey sites surveyed in detail are provided in Section 3.2. A total of 61 NVC plant communities and 67 sub-communities were recorded. Six additional *ad hoc* vegetation units were also recorded. For brevity, NVC codes only are used throughout the text of this report and in all Figures. A list of the full names of the NVC units recorded is provided in Annex G. A total of 235 quadrats were recorded during the survey, the results of which are provided in Annex H.



Flora

- 3.1.9 The field survey collected 6,568 records across the sites surveyed. A total of 798 plant taxa were recorded, consisting of two lichen species, 81 bryophyte species and 715 vascular plant taxa, comprising 643 distinct species and 27 hybrids. There were two non-native bryophyte species, and 46 archaeophyte and 130 neophyte vascular plant taxa. Full site lists are provided in Annex B.
- 3.1.10 Seventy-six notable and 28 invasive non-native plants were recorded. Summary lists of these are given in Table 3.1 and Table 3.2, respectively. Full records are provided in Table E1 and Table F1, respectively.

Table 3.1: Summary of Notable Plant Taxa Recorded and Their Legal/Conservation Statuses. See Table 1.1 for Legal/Conservation Statuses.

Scientific Name	Common Name	Legal/Conservation Status
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce, VC17 Scarce
<i>Anagallis tenella</i>	Bog pimpernel	VC17 Scarce
<i>Briza media</i>	Quaking-grass	Eng NT
<i>Bromus commutatus</i>	Meadow brome	VC12 Scarce
<i>Bromus secalinus</i>	Rye brome	Eng NT, GB VU, NS
<i>Buxus sempervirens</i>	Box	NR
<i>Callitriche brutia</i> subsp. <i>hamulata</i>	Intermediate water-starwort	VC17 Scarce
<i>Calluna vulgaris</i>	Heather	Eng NT
<i>Campanula rotundifolia</i>	Harebell	Eng NT
<i>Carex acuta</i>	Slender tufted-sedge	VC17 Scarce
<i>Carex disticha</i>	Brown sedge	VC17 Scarce
<i>Carex echinata</i>	Star sedge	Eng NT
<i>Carex pulicaris</i>	Flea sedge	Eng NT, VC17 Rare
<i>Centaureum pulchellum</i>	Lesser centaury	VC12 Scarce
<i>Cephalanthera damasonium</i>	White helleborine	Eng VU, GB VU, S41
<i>Cirsium dissectum</i>	Meadow thistle	VC17 Scarce
<i>Crepis biennis</i>	Rough hawk's-beard	VC17 Scarce
<i>Cruciata laevipes</i>	Crosswort	Eng NT
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	VC17 Scarce
<i>Dactylorhiza maculata</i>	Heath spotted-orchid	VC17 Scarce
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU, VC17 Scarce
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT
<i>Eleocharis acicularis</i>	Needle spike-rush	Eng NT, VC17 Rare
<i>Eleocharis multicaulis</i>	Many-stalked spike-rush	VC17 Scarce
<i>Eleogiton fluitans</i>	Floating club-rush	VC17 Scarce
<i>Erica cinerea</i>	Bell heather	Eng NT
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT

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Scientific Name	Common Name	Legal/Conservation Status
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU
<i>Euphrasia confusa</i>	Confused eyebright	Eng VU, Hants Scarce, VC12 Rare
<i>Filago minima</i>	Small cudweed	Eng NT
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT
<i>Fragaria vesca</i>	Wild strawberry	Eng NT
<i>Geranium pratense</i>	Meadow crane's-bill	VC17 Scarce
<i>Hottonia palustris</i>	Water-violet	Eng VU, VC17 Scarce
<i>Hyacinthoides non-scripta</i>	Bluebell	Schedule 8
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT
<i>Isolepis setacea</i>	Bristle club-rush	VC17 Scarce
<i>Knautia arvensis</i>	Field scabious	Eng NT
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce, VC17 Rare
<i>Nardus stricta</i>	Mat-grass	Eng NT
<i>Nymphoides peltata</i>	Fringed water-lily	NS
<i>Osmunda regalis</i>	Royal fern	VC17 Scarce
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU, VC17 Scarce
<i>Poa humilis</i>	Spreading meadow-grass	VC17 Rare
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT
<i>Potamogeton pectinatus</i>	Fennel pondweed	Hants Scarce, VC12 Scarce
<i>Potamogeton pusillus</i>	Lesser pondweed	VC17 Scarce
<i>Potentilla anglica</i>	Trailing tormentil	VC17 Scarce
<i>Potentilla erecta</i>	Tormentil	Eng NT
<i>Potentilla x mixta</i>	Hybrid cinquefoil	VC12 Rare 2
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce, VC17 Scarce
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC17 Scarce
<i>Rorippa amphibia</i>	Great yellow-cress	Hants Scarce, VC12 Scarce
<i>Salix purpurea</i>	Purple willow	VC17 Scarce
<i>Salix repens</i>	Creeping willow	Eng NT
<i>Samolus valerandi</i>	Brookweed	VC17 Rare
<i>Sanicula europaea</i>	Sanicle	Eng NT
<i>Saxifraga granulata</i>	Meadow saxifrage	VC17 Scarce
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce
<i>Schoenus nigricans</i>	Black bog-rush	VC17 Rare
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT
<i>Thalictrum flavum</i>	Common meadow-rue	VC17 Scarce



Scientific Name	Common Name	Legal/Conservation Status
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce, VC17 Scarce
<i>Trifolium fragiferum</i>	Strawberry clover	Eng VU
<i>Trifolium medium</i>	Zigzag clover	VC17 Scarce
<i>Typha angustifolia</i>	Lesser bulrush	VC17 Scarce
<i>Valeriana officinalis</i>	Common valerian	Eng NT
<i>Veronica officinalis</i>	Heath speedwell	Eng NT
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT

Table 3.2: Invasive Non-Native Plants Recorded. See Table 1.1 for Legal Statuses.

Scientific Name	Common Name	Legal Status
<i>Amelanchier lamarckii</i>	Juneberry	INNS
<i>Aster agg.</i>	A Michaelmas-daisy	INNS
<i>Buddleja davidii</i>	Butterfly-bush	INNS
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	INNS
<i>Cotoneaster horizontalis</i>	Wall cotoneaster	Schedule 9
<i>Cotoneaster salicifolius</i>	Willow-leaved cotoneaster	INNS
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Schedule 9
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9
<i>Elodea sp.</i>	A waterweed	Schedule 9
<i>Fallopia japonica</i>	Japanese knotweed	Schedule 9
<i>Galega officinalis</i>	Goat's-rue	INNS
<i>Gaultheria shallon</i>	Shallon	Schedule 9
<i>Hypericum calycinum</i>	Rose-of-Sharon	INNS
<i>Impatiens capensis</i>	Orange balsam	INNS
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9
<i>Lamiaeum galeobdolon subsp. argentatum</i>	Variegated yellow archangel	Schedule 9
<i>Lonicera nitida</i>	Wilson's honeysuckle	INNS
<i>Ludwigia grandiflora</i>	Water-primrose	Schedule 9
<i>Myriophyllum aquaticum</i>	Parrot's-feather	Schedule 9
<i>Prunus laurocerasus</i>	Cherry laurel	INNS
<i>Prunus lusitanica</i>	Portugal laurel	INNS
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9
<i>Rosa rugosa</i>	Japanese rose	Schedule 9
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS
<i>Spiraea douglasii</i>	Steeplebush	INNS
<i>Symphoricarpos albus</i>	Snowberry	INNS



Evaluation

- 3.1.11 Fifteen Priority Habitats and six Annex I Habitats were identified from the survey sites, summarised in Table 3.3 and Table 3.4. Priority and Annex I Habitat plans for each survey site are provided in Section 3.2.
- 3.1.12 Areas of Priority Habitats and Annex I Habitats within the survey sites and Order Limits are provided in Table 3.3. Areas within the Order Limits do not take account of locations where pipeline installation would use trenchless techniques, or other good practice measures to avoid or reduce environmental impacts. Pipeline installation methods in relation to potential impacts are described for each survey site in Section 3.2.
- 3.1.13 The evaluation of biodiversity value of each survey site is presented in Section 3.2.

Table 3.3: Areas of Priority and Annex I Habitats Recorded from Survey Sites. Annex I Habitats Marked with an Asterisk (*) are Priority Annex I Habitats.

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Arable Field Margins	0.49	0.00
	Coastal and Floodplain Grazing Marsh	22.02	3.33
	Eutrophic Standing Waters	11.93	0.07
	Lowland Calcareous Grassland	6.57	0.00
	Lowland Dry Acid Grassland	7.17	2.69
	Lowland Fens	4.93	0.11
	Lowland Heathland	75.37	9.45
	Lowland Meadows	17.86	0.91
	Lowland Mixed Deciduous Woodland	134.58	18.67
	Ponds	0.86	0.03
	Purple Moor-grass and Rush Pastures	6.85	1.24
	Reedbeds	5.29	0.32
	Rivers	13.07	0.24
	Wet Woodland	32.95	5.07
	Annex I Habitat	H4010 North Atlantic wet heaths with <i>Erica tetralix</i>	25.60
H4030 European dry heaths		50.17	7.71
H6210 Semi-natural dry grasslands and scrubland facies: on calcareous substrates (<i>Festuco-Brometalia</i>)		6.57	0.00
H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>		4.10	0.14
H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains		30.50	3.40
H91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)*		17.42	0.93



Table 3 4: Lengths of Hedgerows Priority Habitat Recorded from Survey Sites

Habitat		Length (m)	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	13,680	763

3.2 Survey Sites

Ford Lake (Section A)

Desk Study

3.2.1 **Site description:** The survey site comprised the valley of the river called Ford Lake, a headwater of the River Hamble crossed by the route. The survey site included the following non-statutory designated sites (Figure A7.1.1):

- Botley Golf Course Wood SINC;
- Maddoxford Farm Meadows SINC;
- Ford Lake Meadow SINC; and
- Ford Lake Woodland SINC.

3.2.2 The survey site was divided into five subsites.

3.2.3 The designated sites within the survey site support Ancient Woodland, Lowland Meadows, Coastal and Floodplain Grazing Marsh, Purple Moor-grass and Rush Pastures and Wet Woodland Priority Habitats. A small number of notable plants have been recorded from these sites, e.g. marsh ragwort (*Senecio aquaticus*) at Maddoxford Farm Meadows SINC. Background habitat and botanical data are shown in Figure A7.1.2 and full background records are provided in Annex I.

3.2.4 **Survey Scope:** While no direct habitat loss was expected due to the adoption of trenchless installation methods at this location, available information indicated that designated and non-designated areas of the valley could constitute a sensitive groundwater-dependent terrestrial ecosystem. To provide sufficient information to redesign the route should sensitive habitats be encountered, the survey site incorporated approximately 2km of the valley from the B3354 Winchester Road downstream to Maddoxford Lane, and a second tributary valley to the north.

Field Survey

3.2.5 **Limitations:** Survey access was not available for Ford Lake Meadow SINC, Ford Lake Woodland SINC and an undesignated area at the southeastern end of the survey site.

3.2.6 **Habitats and vegetation:** Phase 1 habitat and vegetation plans are provided in Figure A7.1.3 and Figure A7.1.6, respectively. A total of eight quadrats were

recorded from the site, provided in Table H2. The locations of quadrats are shown in Figure A7.1.6.

- 3.2.7 Ford Lake was dominated by woodland, predominantly wet woodland, with marshy and improved grassland in open areas and small areas of dense scrub and bracken. Stands of unimproved marshy grassland were present in unmanaged areas in woodland glades in subsite 3, dominated by false oat-grass (*Arrhenatherum elatius*), meadowsweet (*Filipendula ulmaria*) and sharp-flowered rush (*Juncus acutiflorus*), referred to M23a (Photograph 7.1.1; quadrats FL3 to FL5). Managed areas of grassland were species-poor and heavily grazed (subsite 2; Photograph 7.1.2).
- 3.2.8 The geomorphology, geology and hydrogeology of the valley manifested a complex pattern of woodland vegetation, zoned vertically and laterally along the valley sides. The Ford Lake river was shallow and gravelly, with complex meanders that in places had cut into the steep valley sides. There were numerous springs and seepage zones along the valley, within woodland and in open areas. The valley was steep and narrow in places, becoming deeper from north to south. There were two small tributary valleys along the southern side, the southern of which drained a large pond, and there was a wide valley to the north (subsite 4) with a watercourse flowing from the northeast into the Ford Lake. The widest part of the valley was below the pond, where the watercourse draining it spread out across the woodland floor and where there was a network of old flooded river channels (Photograph 7.1.3).
- 3.2.9 The high ground around the valley supported stands of dry acid woodland dominated by pedunculate oak (*Quercus robur*) with an understorey of hazel (*Corylus avellana*) and holly (*Ilex aquifolium*). In most stands the ground flora was very sparse, but in some there was abundant bluebell or bracken (*Pteridium aquilinum*). Such woodland, referred to W10a, was well-developed on the slopes of the tributary valley to the north but most stands were small and fragmentary, the high ground beyond the valley being unwooded.
- 3.2.10 Most of the woodland comprised vegetation of less well-drained substrates at lower elevations. Within the main valley, there was a contrast between the southern wider part (subsites 1 and 3; Sheets 3 and 4, Figure A7.1.6), and its upper reach, from just to the north of the pond (subsite 5; Sheets 1 to 3, Figure A7.1.16). The alder woodland in the bottom of the tributary valley to the north (subsite 4) had been felled and its NVC affinities were unclear (Photograph 7.1.4).
- 3.2.11 The upper part of the Ford Lake valley (subsite 5) comprised wet woodland around gravelly seepage zones and springs on the valley sides, interspersed with drier woodland. This soligenous wet woodland was dominated by alder (*Alnus glutinosa*), with frequent ash (*Fraxinus excelsior*) and downy birch (*Betula pubescens*), an open understorey of hazel and a rich ground flora, including constant lady fern (*Athyrium filix-femina*) and yellow pimpernel (*Lysimachia nemorum*). The most extensive stands were referred to W7b and supported a flora indicative of more base-rich groundwater supply (quadrat FL7), with tall-herb vegetation of common valerian (*Valeriana officinalis*), lesser pond-sedge (*Carex acutiformis*), water avens (*Geum rivale*) and yellow iris (*Iris pseudacorus*), abundant remote sedge (*Carex remota*), and in the open ground in and around springs the bryophytes *Aneura pinguis* and *Calliargonella cuspidata*. Smooth-stalked sedge (*Carex laevigata*) was also characteristic of this vegetation. More restricted were seepage areas supporting a



more base-poor flora, referred to W7c (Photograph 7.1.5; quadrat FL8). There, downy birch was co-dominant with alder, and the ground flora was poorer, with abundant broad buckler-fern (*Dryopteris dilatata*), creeping soft-grass (*Holcus mollis*) and wood sorrel (*Oxalis acetosella*), and scattered tufted hair-grass (*Deschampsia cespitosa*).

- 3.2.12 The intervening drier stands of woodland were dominated by alder and ash (*Fraxinus excelsior*), with occasional field maple (*Acer campestre*) and pedunculate oak. At the bottom of the valley slope and on flat areas on the insides of meanders of the river, the ground flora was dominated by dense ramsons (*Allium ursinum*), with abundant dog's-mercury (*Mercurialis perennis*) and yellow archangel (*Lamium galeobdolon*), referred to W8f (Photograph 7.1.6). Wood anemone (*Anemone nemorosa*) was abundant in stands on the drier slopes of the valley, referred to W8b.
- 3.2.13 The wet woodland in the southern half of the valley (subsites 1 and 3) largely comprised vegetation characteristic of more eutrophic silty substrates. In contrast to the northern part of the valley, alder dominated, occasionally with crack willow (*Salix x fragilis sensu lato*), and the ground flora was largely dominated by common nettle (*Urtica dioica*). The wettest parts of the valley were marked out by unstable and often ferruginous silty substrates frequently dominated by mats of opposite-leaved golden saxifrage (*Chrysosplenium oppositifolium*) and frequent creeping buttercup (*Ranunculus repens*) and yellow pimpernel growing beneath tall-herb vegetation dominated by common nettle and hemlock water-dropwort (*Oenanthe crocata*), referred to as W7a (Photograph 7.1.7; quadrat FL2). Such vegetation was found below springs and in areas of groundwater seepage, and also covered a large area where the stream draining the pond to the west of the valley spread out across the wide valley floor. The ground flora of the drier stands of woodland between areas of seepage was dominated by common nettle with constant enchanter's nightshade (*Circaea lutetiana*) and bramble (*Rubus fruticosus* agg.), referred to as W6d where alder dominated and W6b where crack willow dominated.
- 3.2.14 The small tributary valley draining the pond to the west was dominated by a patchy canopy of downy birch and grey willow (*Salix cinerea*). The ground flora along the very wet ferruginous stream were dominated by dense stands of wood club-rush (*Scirpus sylvaticus*) (Photograph 7.1.8), and creeping buttercup and opposite-leaved golden saxifrage marked out areas of seepage along the valley sides. The dominance of wood club-rush indicated an affinity to W5, but the characteristic species of this community, alder and greater tussock sedge (*Carex paniculata*), were not present.
- 3.2.15 **Flora:** A total of 224 plant taxa were recorded during the survey: 24 bryophyte species and 200 vascular plant taxa, comprising 196 species and two hybrids. A site list is provided in Table B1. There was a rich fern flora with 12 species recorded, indicative of high humidity and continuity of woodland cover.
- 3.2.16 Seven notable plants were recorded, summarised in Table 3.5. Full records are provided in Table E1 and the locations of discrete populations are shown in Figure A7.1.7.



3.2.17 Forty AWI species were recorded. The AWI species recorded are summarised in Table 3.6. Many of the AWI were rare or occasional, e.g. alder buckthorn and hard-fern (*Blechnum spicant*), while others were important components of the ground flora, e.g. opposite-leaved golden-saxifrage, ramsons and remote sedge.

3.2.18 Four archaeophyte and ten neophyte vascular plants were recorded, including five invasive non-native vascular plants, summarised in Table 3.7. The locations of these plants are shown in Figure A7.1.8 and full records are provided in Table F1. Of these species, Himalayan balsam was locally frequent to abundant in many damp woodland areas, while the other species were rare and were not behaving invasively.

Table 3.5: Summary of Notable Plants Recorded at Ford Lake. See Table 1.1 for Legal/Conservation Statuses.

Taxon	Common Name	Legal/Conservation Status	Subsite/DAFOR				
			1	2	3	4	5
<i>Cruciata laevipes</i>	Crosswort	Eng NT	R	-	R	-	-
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	-	-	-	-	LA
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	R	-	-	-
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	R	LF	-	R	-
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	R	R	-	-	-
<i>Valeriana officinalis</i>	Common valerian	Eng NT	-	-	R	R	LA
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	R	-	-	-	-

Table 3.6: Summary of Ancient Woodland Indicator Plants Recorded at Ford Lake

Taxon	Common Name	Subsite/DAFOR				
		1	2	3	4	5
Ferns and allies						
<i>Blechnum spicant</i>	Hard-fern	-	-	-	-	R
<i>Dryopteris affinis</i>	Scaly male-fern	O	-	-	-	O
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	-	-	-	R	R
<i>Polypodium vulgare</i>	Polypody	-	-	R	-	R
<i>Polystichum aculeatum</i>	Hard shield-fern	-	-	-	-	R
<i>Polystichum setiferum</i>	Soft shield-fern	-	-	R	R	LF
Flowering plants						
<i>Acer campestre</i>	Field maple	-	R	R	R	O
<i>Adoxa moschatellina</i>	Moschatel	O	-	R	-	O
<i>Allium ursinum</i>	Ramsons	LA	R	A	A	A
<i>Anemone nemorosa</i>	Wood anemone	LF	-	O	F	F-LA
<i>Bromopsis ramosa</i>	Hairy-brome	R	-	-	-	-
<i>Carex laevigata</i>	Smooth-stalked sedge	R	-	-	R	LF
<i>Carex pendula</i>	Pendulous sedge	LA	R	F	F	O
<i>Carex remota</i>	Remote sedge	F	-	F	O	F-LA
<i>Carex sylvatica</i>	Wood-sedge	O	-	-	O	O
<i>Chrysosplenium oppositifolium</i>	Opposite-leaved golden-saxifrage	LA	-	LA	-	LA



Taxon	Common Name	Subsite/DAFOR				
		1	2	3	4	5
<i>Conopodium majus</i>	Pignut	R	-	-	R	R
<i>Frangula alnus</i>	Alder buckthorn	-	-	-	-	R
<i>Holcus mollis</i>	Creeping soft-grass	LA	-	-	R	LA
<i>Hyacinthoides non-scripta</i>	Bluebell	-	-	O	LF	LA
<i>Geum rivale</i>	Water avens	-	-	-	-	R
<i>Luzula pilosa</i>	Hairy wood-rush	-	-	-	R	R
<i>Lysimachia nemorum</i>	Yellow pimpernel	O	-	-	R	LF
<i>Melica uniflora</i>	Wood melick	-	-	-	R	LF
<i>Milium effusum</i>	Wood millet	-	-	-	R	-
<i>Moehringia trinervia</i>	Three-nerved sandwort	O	-	R	R	-
<i>Oxalis acetosella</i>	Wood-sorrel	-	-	-	-	LA
<i>Polygonatum multiflorum</i>	Solomon's-seal	R	-	-	F	O
<i>Potentilla sterilis</i>	Barren strawberry	-	-	-	R	-
<i>Primula vulgaris</i>	Primrose	O	-	R	-	O
<i>Prunus avium</i>	Wild cherry	-	-	-	LF	LF
<i>Ribes rubrum</i>	Red currant	-	-	R	-	R
<i>Rosa arvensis</i>	Field-rose	R	R	R	R	O
<i>Ruscus aculeatus</i>	Butcher's-broom	R	-	-	R	R
<i>Schedonorus giganteus</i>	Giant fescue	O	O	O	-	F
<i>Tamus communis</i>	Black bryony	R	-	-	-	R
<i>Ulmus glabra</i>	Wych elm	-	-	-	R	-
<i>Veronica montana</i>	Wood speedwell	F	-	O	O	A
<i>Viburnum opulus</i>	Guelder-rose	-	-	R	R	-
<i>Viola reichenbachiana</i>	Early dog-violet	-	-	-	-	R

Table 3.7: Summary of Invasive Non-Native Plants Recorded at Ford Lake. See Table 1.1 for Legal Statuses.

Taxon	Common Name	Legal Status	Subsite/DAFOR				
			1	2	3	4	5
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	-	-	-	-	R
<i>Fallopia japonica</i>	Japanese knotweed	Schedule 9	-	-	-	-	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	LA	R	LF	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	-	-	-	R	-
<i>Symphoricarpos albus</i>	Snowberry	INNS	R	-	-	-	-

Evaluation

3.2.19 **Value:** The Ford Lake survey site was found to support a diversity of habitats, vegetation and flora:

- The site supported five Priority Habitats and two Annex I Habitats, summarised in Table 3.8. Plans of Priority and Annex I Habitats are provided in Figure A7.1.4 and Figure A7.1.5.



- Five woodland plant communities and 13 sub-communities were recorded, with additional scrub communities.
- Totals of 224 plant taxa and 40 AWI species were recorded.

3.2.20 The diverse assemblage of woodland types supported by the survey site reflects the complex geomorphology, hydrology and hydrogeology of the Ford Lake valley. This assemblage was similar to the woodlands of oak, ash and alder in other headwater valleys of the River Hamble, including the Upper Hamble Estuary and Woods SSSI (Natural England, 2018g). Such an assemblage is rare in the region, and the community W7 is more typical of the north and west of Britain and is rare in southern England (JNCC, 2009). The Annex I Habitat H91E0 Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*) is also a Priority Annex I Habitat (JNCC, 2014).

3.2.21 A total of 40 AWI species is large for a relatively small woodland site (Rose, 1999), and is strongly indicative of Ancient Woodland. The ground flora of the site was also very rich.

3.2.22 The survey site features described above satisfy several of the primary and secondary criteria for selection of woodland SSSI, including presence of Ancient Woodland, and the site could thus qualify for selection (Latham *et al.*, 2018). The Ford Lake survey site is therefore of high biodiversity value.

3.2.23 **Potential impacts:** Areas of Priority and Annex I Habitat within the Order Limits are provided in Table 3.8.

3.2.24 Pipeline installation at this location would utilise trenchless methods to tunnel beneath the valley of the Ford Lake. There would therefore be no works within the survey site, including designated sites, and no direct impact by habitat loss.

Table 3.8: Priority and Annex I Habitats Recorded at Ford Lake. Annex I Habitats Marked with an Asterisk (*) are Priority Annex I Habitats.

Habitat	Plant Communities	Area (ha)		
		Survey Site	Order Limits	
Priority Habitat	Coastal and Floodplain Grazing Marsh	MG7, MG10, MG13	2.57	0.00
	Lowland Mixed Deciduous Woodland	W8, W10	5.91	0.12
	Purple Moor-grass and Rush Pastures	M23	0.27	0.00
	Rivers	NA	0.82	0.00
	Wet Woodland	W5, W6, W7	5.21	0.04
Annex I Habitat	H91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)*	W5, W6, W7, W8	7.93	0.04
	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	W10	2.18	0.12



Durley Hedge 1 (Section A)

Desk Study

- 3.2.25 **Site Description:** The survey site was identified from aerial imagery, and comprised a wooded boundary along the northern side of Gregory Lane, connected to Durley Mill Copse SINC to the west (Figure A7.1.9).
- 3.2.26 Durley Mill Copse SINC is designated for supporting Ancient Woodland. The SINC and survey site appeared to be remnants of a large woodland (Brown Heath Copse) shown on the 1888 Ordnance Survey map (National Library of Scotland, 2017). Background habitat and botanical data are shown in Figure A7.1.10 and full background records are provided in Annex I.
- 3.2.27 **Survey scope:** As the survey site could represent relict Ancient Woodland, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.28 **Limitations:** No limitations were encountered.
- 3.2.29 **Habitats:** The survey site comprised a species-rich hedgerow with trees (Target Note 1). A second species-rich hedgerow was also recorded on the southern side of Gregory Lane. A Phase 1 habitat plan is provided in Figure A7.1.11 and target notes are provided in Table C1.
- 3.2.30 **Flora:** A total of 54 vascular plant taxa were recorded, comprising 52 species. A site list is provided in Table B2.
- 3.2.31 No notable plants were recorded.
- 3.2.32 Seven AWI species were recorded, summarised in Table 3.9.
- 3.2.33 Two archaeophyte and five neophyte vascular plant taxa were recorded. One non-native species considered potentially invasive was recorded, cherry laurel. The locations of all invasive non-native plants are shown in Figure A7.1.13 and full records are provided in Table F1.

Table 3.9: Summary of Ancient Woodland Indicator Plants Recorded at Durley Hedge 1.

Taxon	Common Name	DAFOR
<i>Anemone nemorosa</i>	Wood anemone	R
<i>Bromopsis ramosa</i>	Hairy-brome	R
<i>Iris foetidissima</i>	Stinking iris	R
<i>Melica uniflora</i>	Wood melick	LA
<i>Rosa arvensis</i>	Field-rose	R
<i>Ruscus aculeatus</i>	Butcher's-broom	R
<i>Tamus communis</i>	Black bryony	R



Evaluation

- 3.2.34 **Value:** The survey site supported Hedgerows Priority Habitat (Figure A7.1.12). This habitat is of medium biodiversity value (Section 2.4).
- 3.2.35 **Potential impacts:** Approximately 119m of Hedgerow Priority Habitat is within the Order Limits (Figure A7.1.12). However, impacts would only occur where the route crossed a hedgerow, with a maximum working width of 30m.

Durley Hedge 2 (Section A)

Desk Study

- 3.2.36 **Site description:** The survey site was identified from aerial imagery, and comprised a wooded boundary connected to Durley Mill Copse SINC and an area of rough grassland to the west (Figure A7.1.14). The site was divided into three subsites.
- 3.2.37 Durley Mill Copse SINC is designated for supporting Ancient Woodland. The SINC and hedgerow within the survey site appeared to be remnants of a large woodland (Brown Heath Copse) shown on the 1888 Ordnance Survey map (National Library of Scotland, 2017). Background habitat and botanical data are shown in Figure A7.1.15 and full background records are provided in Annex I.
- 3.2.38 **Survey scope:** As the survey site could represent relict Ancient Woodland, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.39 **Limitations:** No limitations were encountered.
- 3.2.40 **Habitats:** The survey site comprised marshy grassland (Target Note 4), poor semi-improved grassland (Target Note 5), a species-rich hedgerow with trees (Target Note 2), a species-poor hedgerow with trees (Target Note 3) and broadleaved semi-natural woodland (Target Note 1). Fields to the east of the survey site comprised improved grassland used as horse grazing. A Phase 1 habitat plan is provided in Figure A7.1.16 and detailed target notes are provided in Table C2.
- 3.2.41 **Flora:** A total of 101 vascular plant taxa were recorded during the survey, comprising 98 species and one hybrid. A site list is provided in Table B3.
- 3.2.42 Two notable vascular plants were recorded, summarised in Table 3.10. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.18.
- 3.2.43 Seventeen AWI species were recorded, summarised in Table 3.11. Of these species, eight were recorded from the hedgerow connected to Durley Mill Copse SINC: black bryony (*Tamus communis*), butcher's-broom (*Ruscus aculeatus*), common cow-wheat (*Melampyrum pratense*), field rose (*Rosa arvensis*), hairy wood-rush (*Luzula pilosa*), hard-fern (*Blechnum spicant*), Solomon's-seal (*Polygonatum multiflorum*) and wild cherry (*Prunus avium*).



3.2.44 One archaeophyte and four neophyte vascular plant taxa were recorded, including three invasive non-native vascular plants, summarised in Table 3.12. The locations of all invasive non-native plants are shown in Figure A7.1.19 and full records are provided in Table F1.

Table 3.10: Summary of Notable Plants Recorded at Durley Hedge 2. See Table 1.1 for Legal/Conservation Statuses

Scientific Name	Common Name	Legal/ Conservation Status	Subsite/DAFOR		
			1	2	3
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	R	-	-
<i>Sanicula europaea</i>	Sanicle	Eng NT	R	-	-

Table 3.11: Summary of Ancient Woodland Indicator Plants Recorded at Durley Hedge 2

Scientific Name	Common Name	Subsite/DAFOR		
		1	2	3
Ferns and allies				
<i>Blechnum spicant</i>	Hard-fern	R	-	-
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	R	-	-
<i>Polystichum setiferum</i>	Soft shield-fern	R	-	-
Flowering plants				
<i>Carex laevigata</i>	Smooth-stalked sedge	R	-	-
<i>Carex pendula</i>	Pendulous sedge	R	-	-
<i>Carex remota</i>	Remote sedge	LF	-	-
<i>Luzula pilosa</i>	Hairy wood-rush	R	-	-
<i>Lysimachia nemorum</i>	Yellow pimpernel	LF	-	-
<i>Melampyrum pratense</i>	Common cow-wheat	R	-	-
<i>Polygonatum multiflorum</i>	Solomon's-seal	LF	-	-
<i>Prunus avium</i>	Wild cherry	R	-	-
<i>Ribes rubrum</i>	Red currant	R	-	-
<i>Rosa arvensis</i>	Field-rose	LF	-	-
<i>Ruscus aculeatus</i>	Butcher's-broom	R	-	-
<i>Sanicula europaea</i>	Sanicle	R	-	-
<i>Schedonorus giganteus</i>	Giant fescue	R	-	-
<i>Tamus communis</i>	Black bryony	R	-	-

Table 3.12: Summary of Invasive Non-Native Plants Recorded at Durley Hedge 2. See Table 1.1 for Legal Statuses.

Scientific Name	Common Name	Legal Status	Subsite/DAFOR		
			1	2	3
<i>Buddleja davidii</i>	Butterfly-bush	INNS	R	-	-
<i>Fallopia japonica</i>	Japanese knotweed	Schedule 9	R	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	LD	-	-



Evaluation

- 3.2.45 **Value:** The survey site supported two Priority Habitats, summarised in Table 3.13. A plan of Priority Habitat is provided in Figure A7.1.17.
- 3.2.46 The large hedgerow to the north of Durley Mill Copse SINC displayed a number of features that suggest it is ancient: connectivity to an Ancient Woodland site (i.e. Durley Mill Copse SINC); an internal bank; large mature pedunculate oak trees; and eight AWI species. The 1888 Ordnance Survey map also indicates that this hedgerow marks the boundary of a cleared area of woodland to the east. Ancient hedgerows are identified as being particularly valuable by the Hampshire Biodiversity Action Plan and can be designated as SINC (Hampshire Biodiversity Partnership, 2000). As this feature could be Ancient Woodland it is of high biodiversity value.
- 3.2.47 Other Priority Habitats within the site would not be impacted by works through the survey site. Non-Priority Habitats within the survey site are common and widespread within the region and are of negligible biodiversity value.
- 3.2.48 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.13. No area of Durley Mill Copse SINC would be impacted by pipeline installation through this site. There would be no direct impact to Coastal and Floodplain Grazing Marsh Priority Habitat.

Table 3.13: Priority Habitat Recorded at Durley Hedge 2

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Coastal and Floodplain Grazing Marsh	1.17ha	0.00ha
	Hedgerows	552m	0m
	Lowland Mixed Deciduous Woodland	1.06ha	0.00ha

Durley Green Lane (Section A)

Desk Study

- 3.2.49 **Site description:** The survey site was identified from aerial imagery and comprised stands of woodland and small areas of rough grassland along a pair of small watercourses (Figure A7.1.20). No ecological information was available for this area.
- 3.2.50 **Survey scope:** As there was no information about this area, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.51 **Limitations:** No limitations were encountered.
- 3.2.52 **Habitats:** Durley Green Lane was dominated by improved grassland, with marshy grassland and stands of dense scrub and broadleaved semi-natural woodland within two small valleys of a pair of small watercourses. A Phase 1 habitat plan is provided



in Figure A7.1.21 and detailed target notes are provided in Table C3. Five quadrats were also recorded from marshy grassland, the locations of which are shown on Figure A7.1.21 and the results of which are provided in Table H3.

- 3.2.53 Broadleaved woodland comprised a stand of grey willow-dominated wet woodland (Target Note 1) along the northwestern watercourse, and dry woodland to the south. Marshy grassland was present in a narrow area along the eastern watercourse and southwest of the confluence of the two streams. The former stand of marshy grassland was species-rich, with 40 species recorded (Target Note 2; quadrats DL1 to DL5), and was referable to M23a. Marshy grassland to the south was poorer in species (Target Note 3), and was referable to M23b.
- 3.2.54 **Flora:** A total of 193 plant taxa were recorded during the survey: two bryophyte species and 191 vascular plant taxa, comprising 187 species and one hybrid. A site list is provided in Table B4.
- 3.2.55 Four notable vascular plants were recorded, summarised in Table 3.14. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.23. Devil's-bit scabious (*Succisa pratensis*), lesser spearwort (*Ranunculus flammula*), ragged-robin (*Silene flos-cuculi*) and tormentil (*Potentilla erecta*) were recorded from marshy grassland in the northeast of the survey site.
- 3.2.56 Two archaeophyte and three neophyte vascular plant taxa were recorded, including two non-native species considered potentially invasive, summarised in Table 3.15. The locations of all invasive non-native plants are shown in Figure A7.1.24 and full records are provided in Table F1.

Table 3.14: Summary of Notable Plants Recorded at Durley Green Lane. See Table 1.1 for Legal/Conservation Statuses

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Potentilla erecta</i>	Tormentil	Eng NT	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	LF
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	LF
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	R

Table 3.15: Summary of Invasive Non-Native Plants Recorded at Durley Green Lane. See Table 1.1 for Legal Statuses

Scientific Name	Common Name	Legal Status	DAFOR
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	R

Evaluation

- 3.2.57 **Value:** The survey site supported four Priority Habitats, summarised in Table 3.16. A plan of Priority Habitat is provided in Figure A7.1.22.
- 3.2.58 The Purple Moor-grass and Rush Pastures Priority Habitat within the site supported a diversity of plant species, including four red-listed species (Table E1). These features would qualify the site for designation as a SINC under the following criteria (Hampshire County Council, 1996):



5B. Fens, flushes, seepages, springs, inundation grasslands etc. that support a flora and fauna characteristic of unimproved and waterlogged (seasonal or permanent) conditions.

6A. Sites which support one or more notable species.

3.2.59 This habitat is of medium biodiversity value.

3.2.60 Other Priority Habitat within the site would not be impacted by pipeline installation through the survey site (Table 3.16). Non-Priority Habitats within the survey site are common and widespread within the region and are of negligible biodiversity value.

3.2.61 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.16.

3.2.62 The Order Limits include an area of Purple Moor-grass and Rush Pastures Priority Habitat (Figure A7.1.22). This area is in the southwestern extent of this habitat, much of which is less species-rich than habitat to the northeast. This area supported small populations of the four notable plant species (Figure A7.1.23).

Table 3.16: Priority Habitat Recorded at Durley Green Lane

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	396m	0m
	Lowland Mixed Deciduous Woodland	0.53ha	0.00 ha
	Purple Moor-grass and Rush Pastures	1.14 ha	0.20 ha
	Wet Woodland	0.33 ha	0.00 ha

Wintershill (Section A)

Desk Study

3.2.63 **Site description:** The survey site comprised a stand of woodland and two fields along a small stream crossed by the route (Figure A7.1.25). The Priority Habitat Inventory shows this area as supporting Coastal and Floodplain Grazing Marsh Priority Habitat (Figure A7.1.26). No other ecological information was available for this location.

3.2.64 **Survey scope:** As the site is described as Priority Habitat and no other information was available, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.65 **Limitations:** No limitations were encountered.

3.2.66 **Habitats:** The Wintershill survey site comprised marshy and poor semi-improved grassland (Target Note 1), a stand of broadleaved semi-natural woodland and small stands of dense scrub. A Phase 1 habitat plan is provided in Figure A7.1.27 and detailed target notes are provided in Table C4.



- 3.2.67 **Flora:** A total of 78 vascular plant taxa were recorded during the survey, comprising 72 species and five hybrids. A site list is provided in Table B5.
- 3.2.68 No notable plants were recorded.
- 3.2.69 Three archaeophyte and four neophyte vascular plant taxa were recorded, including two invasive non-native vascular plants, summarised in Table 3.73. The locations of all invasive non-native plants are shown in Figure A7.1.29 and full records are provided in Table F1. Himalayan balsam was abundant along the small stream through the site.

Table 3.17: Summary of Invasive Non-Native Plants Recorded at Wintershill

Scientific Name	Common Name	Legal Status	DAFOR
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	LA
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R

See Table 1.1 for Legal Statuses Evaluation

- 3.2.70 **Value:** The survey site supported three Priority Habitats, summarised in Table 3.18. A plan of Priority Habitat is provided in Figure A7.1.28.
- 3.2.71 Coastal and Floodplain Grazing Marsh Priority Habitat comprised coarse species-poor grassland. Such grassland is widespread within the region, and this habitat is therefore of low biodiversity value.
- 3.2.72 The survey site supported Hedgerows Priority Habitat. This habitat is of medium biodiversity value (Section 2.4).
- 3.2.73 Wet Woodland Priority Habitat comprised an area of willows and non-native poplars (*Populus*), and is of low biodiversity value.
- 3.2.74 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.18.

Table 3.18: Priority Habitat Recorded at Wintershill

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Coastal and Floodplain Grazing Marsh	1.68ha	0.58ha
	Hedgerows	160m	24m
	Wet Woodland	0.43ha	0.11ha

Stephen's Castle Down (Section A)

Desk Study

- 3.2.75 **Site description:** The survey site comprised the northern half of Stephen's Castle Down (East) SINC and a small area of grassland to the west which was identified from aerial imagery (Figure A7.1.30). The survey site was divided into two subsites.
- 3.2.76 Stephen's Castle Down (East) SINC is designated for supporting calcareous grassland and the Priority Habitat Inventory shows the area to the west as Lowland



Meadows Priority Habitat (Figure A7.1.31). Several notable species have been recorded from the SINC, such as the Priority Species frog orchid (*Coeloglossum viride*) recorded to the south of the survey site. Background habitat and botanical data are shown in Figure A7.1.31 and full records are provided in Annex I.

3.2.77 Survey scope: The survey site was scoped in by the desk study for botanical and habitat survey under a previous design to determine the direct impact of the project to the designated features of Stephen’s Castle Down SINC and to Priority Habitat outside this site. The route was subsequently revised to avoid direct impacts to Stephen’s Castle Down SINC. The undesignated area of the survey site to the west remained within the Order Limits. Results for the survey site as originally defined are reported here.

Field Survey

3.2.78 Limitations: Due to access and survey programme constraints it was not possible to visit the survey site until 9 August 2018. By this date, grassland within Stephen’s Castle Down SINC had been mown. However, the results of the survey are sufficiently robust to identify the important habitats of the survey site.

3.2.79 Habitats: The Stephen’s Castle Down survey site comprised unimproved calcareous grassland (Target Note 4), hedgerows, dense scrub and arable within Stephen’s Castle Down SINC (subsite ‘East’), and unimproved neutral grassland (Target Note 1), tall-ruderal vegetation and hedgerows (Target Notes 2 and 3) within the undesignated area to the west (subsite ‘West’). A Phase 1 habitat plan is provided in Figure A7.1.32 and detailed target notes are provided in Table 7 5.

3.2.80 Flora: A total of 116 vascular plant taxa were recorded during the survey, comprising 114 species. A site list is provided in Table B6.

3.2.81 Four notable vascular plants were recorded, summarised in Table 3.19. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.35.

3.2.82 Seven archaeophyte and seven neophyte vascular plants were recorded. No invasive non-native species were recorded.

Table 3.19: Summary of Notable Plants Recorded at Stephen’s Castle Down

Scientific Name	Common Name	Legal/Conservation Status	Subsite/ DAFOR	
			East	West
<i>Briza media</i>	Quaking-grass	Eng NT	-	F
<i>Campanula rotundifolia</i>	Harebell	Eng NT	-	R
<i>Cruciata laevipes</i>	Crosswort	Eng NT	F	F
<i>Knautia arvensis</i>	Field scabious	Eng NT	R	-

See Table 1.1 for Legal/Conservation Statuses



Evaluation

- 3.2.83 **Value:** The survey site supported three Priority Habitats and one Annex I Habitat, summarised in Table 3.20. Plans of Priority and Annex I Habitat are provided in Figure A7.1.33 and Figure A7.1.34, respectively.
- 3.2.84 The survey site supported Hedgerows Priority Habitat. This habitat is of medium biodiversity value (Section 2.4).
- 3.2.85 The survey site supported a small stand of Lowland Meadows Priority Habitat. As a Priority Habitat this is of medium biodiversity value.
- 3.2.86 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.20.
- 3.2.87 The route would not be installed within Stephen’s Castle Down SINC. No Lowland Calcareous Grassland or Annex I Habitat would therefore be directly impacted.
- 3.2.88 Installation of the route through the site would impact a small area of Lowland Meadows Priority Habitat (Figure A7.1.33). The area of this habitat within the Order Limits comprises less species-rich grassland than areas to the south, including an area used as a track.
- 3.2.89 One notable species was recorded from within the Order Limits, crosswort (*Cruciata laevipes*) (Figure A7.1.131). This was frequent in the unimproved neutral grassland within subsite ‘West’.

Table 3.20: Priority and Annex I Habitat Recorded at Stephen’s Castle Down

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	2,993m	60m
	Lowland Calcareous Grassland	6.57ha	0.00ha
	Lowland Meadows	0.73ha	0.08ha
Annex I Habitat	Semi-natural dry grasslands and scrubland facies: on calcareous substrates (<i>Festuco-Brometalia</i>)	6.57ha	0.00ha

Betty Mundy’s Bottom (Section A)

Desk Study

- 3.2.90 **Site description:** The survey site was identified from aerial imagery and comprised an area of grassland and an area of wooded habitat within arable fields adjacent to the route and near to Preshaw Wood SINC (Figure A7.1.36). No information was available for this area.
- 3.2.91 **Survey scope:** As no information was available, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.92 **Limitations:** No limitations were encountered.



- 3.2.93 **Habitats:** Betty Mundy's Bottom comprised a stand of semi-improved grassland (subsite 'Grassland') and of mixed plantation woodland (subsite 'Woodland'), with adjacent areas of arable land. A Phase 1 habitat plan is provided in Figure A7.1.37.
- 3.2.94 The grassland was dominated by the grasses barren-brome (*Anisantha sterilis*), false oat-grass (*Arrhenatherum elatius*) and rough meadow grass (*Poa trivialis*), and by common nettle, and there was abundant cock's-foot (*Dactylis glomerata*), cleavers (*Galium aparine*), hogweed (*Heracleum sphondylium*) and Yorkshire fog (*Holcus lanatus*). Positive grassland indicator species were also abundant, including abundant common bird's-foot-trefoil (*Lotus corniculatus*), crosswort (*Cruciata laevipes*), lady's bedstraw (*Galium verum*) and oxeye daisy (*Leucanthemum vulgare*), and frequent cowslip (*Primula veris*), field scabious (*Knautia arvensis*) and rough hawkbit (*Leontodon hispidus*).
- 3.2.95 The plantation woodland was dominated by ash, beech and Scots pine (*Pinus sylvestris*). The ground flora was dominated by the grasses rough meadow-grass and perennial rye-grass (*Lolium perenne*) and by bramble, and there were abundant weedy species such as common nettle and hogweed.
- 3.2.96 **Flora:** A total of 82 plant taxa were recorded during the survey, comprising 81 species. A site list is provided in Table B7.
- 3.2.97 Two notable vascular plants were recorded, summarised in Table 3.21. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.39.
- 3.2.98 Six archaeophyte and two neophyte vascular plant taxa recorded. No invasive non-native plants were recorded.

Table 3.21: Summary of Notable Plants Recorded at Betty Mundy's Bottom

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			Grassland	Woodland
<i>Cruciata laevipes</i>	Crosswort	Eng NT	A	A
<i>Knautia arvensis</i>	Field scabious	Eng NT	F	-

See Table 1.1 for Legal/Conservation Statuses

Evaluation

- 3.2.99 **Value:** The Betty Mundy's Bottom survey site supported one Priority Habitat, summarised in Table 3.26. A plan of Priority Habitat is provided in Figure A7.1.38.
- 3.2.100 Semi-improved neutral grassland constituted Lowland Meadows Priority Habitat but was in poor condition due to abundant weed species. This habitat is therefore of low biodiversity value.
- 3.2.101 Non-Priority Habitats are of negligible biodiversity value.
- 3.2.102 **Potential impacts:** A small area of Lowland Meadows Priority Habitat is present within the Order Limits (Table 3.26).



Table 3.22: Priority Habitat Recorded at Betty Mundy's Bottom

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Meadows	0.69	0.01

Brockwood Roadside Strips (Section A)

Desk Study

3.2.103 **Site description:** The survey site comprised two strips of woodland along Riversdown Road, in the northwest of Brockwood Copse and Roadside Strips SINC (Figure A7.1.40). The survey site was divided into two subsites, north and south of the road.

3.2.104 Brockwood Roadside Strips SINC is designated for supporting Ancient Woodland. A small number of notable plants have been recorded from the site, e.g. the England Near Threatened sanicle (*Sanicula europaea*). Background habitat and botanical data are shown in Figure A7.1.41 and full background records are provided in Annex I.

3.2.105 **Survey scope:** To assess the impact of the project on the Brockwood Roadside Strips SINC, the desk study identified the need for botanical and habitat survey of the site.

Field Survey

3.2.106 **Limitations:** No limitations were encountered.

3.2.107 **Habitats:** The Brockwood Roadside Strips survey site comprised two stands of broadleaved semi-natural woodland, either side of Riversdown Road. A Phase 1 habitat plan is provided in Figure A7.1.42.

3.2.108 Woodland both sides of Riversdown Road was dominated by ash, beech and hazel, with abundant bramble, elder (*Sambucus nigra*) and field maple. Woodland herbs along the lane comprised frequent Solomon's-seal, wood anemone (*Anemone nemorosa*) and wood melick (*Melica uniflora*), and occasional bluebell, hairy brome (*Bromopsis ramosa*) and ramsons.

3.2.109 **Flora:** A total of 65 vascular plant taxa were recorded during the survey, comprising 62 species. A site list is provided in Table B8.

3.2.110 Two notable vascular plants were recorded, summarised in Table 3.23. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.44.

3.2.111 Thirteen AWI species were recorded, summarised in Table 3.24.

3.2.112 Three archaeophyte and three neophyte vascular plant taxa were recorded, including two invasive non-native vascular plants, summarised in Table 3.25. The locations of all invasive non-native plants are shown in Figure A7.1.45 and full records are provided in Table F1.

Table 3.23: Summary of Notable Plants Recorded at Brockwood Roadside Strips

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			North	South
<i>Buxus sempervirens</i>	Box	NR	R	-
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	R	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.24: Summary of Ancient Woodland Indicator Plants Recorded at Brockwood Roadside Strips

Scientific Name	Common Name	Subsite/DAFOR	
		North	South
Ferns and allies			
<i>Dryopteris affinis</i> agg.	Scaly male-fern	-	R
Flowering plants			
<i>Acer campestre</i>	Field maple	A	A
<i>Allium ursinum</i>	Ramsons	O	-
<i>Anemone nemorosa</i>	Wood anemone	F	F
<i>Bromopsis ramosa</i>	Hairy-brome	O	-
<i>Carex sylvatica</i>	Wood-sedge	R	R
<i>Conopodium majus</i>	Pignut	-	R
<i>Hyacinthoides non-scripta</i>	Bluebell	O	O
<i>Melica uniflora</i>	Wood melick	F	F
<i>Polygonatum multiflorum</i>	Solomon's-seal	F	F
<i>Primula vulgaris</i>	Primrose	R	R
<i>Schedonorus giganteus</i>	Giant fescue	R	-
<i>Veronica montana</i>	Wood speedwell	R	R

Table 3.25: Summary of Invasive Non-Native Plants Recorded at Brockwood Roadside Strips

Scientific Name	Common Name	Legal Status	Subsite/DAFOR	
			North	South
<i>Lamium galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	O	-
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	-	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.113 **Value:** The survey site supported one Priority Habitat, summarised in Table 3.26. A plan of Priority Habitat is provided in Figure A7.1.43.

3.2.114 As the Brockwood Copse and Roadside Strips SINC is designated for supporting Ancient Woodland, the site is of high biodiversity value.

3.2.115 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.26. No notable plants were recorded within the Order Limits



Table 3.26: Priority Habitat Recorded at Brockwood Roadside Strips

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous Woodland	3.03	0.08

Disused Railway (Section B)

Desk Study

3.2.116 **Site description:** The survey site was identified from aerial imagery and comprised a linear stand of woodland along a disused railway (Figure A7.1.46). No ecological information was available for this area. Woodside Row SINC is located to the west of the survey site.

3.2.117 **Survey scope:** As no information was available for the site, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.118 **Limitations:** No limitations were encountered.

3.2.119 **Habitats:** The Disused Railway site comprised broadleaved semi-natural woodland. A Phase 1 habitat plan is provided in Figure A7.1.47.

3.2.120 The woodland was dominated by English elm and pedunculate oak, with abundant ash and sycamore. The understorey was dominated by hazel with abundant hawthorn. The ground flora was dominated by common nettle, dog's mercury (*Mercurialis perennis*) and ivy, with abundant cleavers (*Galium aparine*), enchanter's nightshade, herb-robert (*Geranium robertianum*), lords-and-ladies (*Arum maculatum*), Solomon's-seal, red current (*Ribes rubrum*), wood avens (*Geum urbanum*) and wood speedwell (*Veronica montana*). Garden bluebell (*Hyacinthoides x massartiana*) was also abundant.

3.2.121 **Flora:** A total of 69 vascular plant taxa were recorded during the survey, comprising 64 species and one hybrid. A site list is provided in Table B9.

3.2.122 One notable vascular plant was recorded, summarised in Table 3.27. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.49.

3.2.123 Fourteen AWI species were recorded, summarised in Table 3.28.

3.2.124 Three archaeophyte and five neophyte vascular plant taxa, including one non-native species considered potentially invasive, summarised in Table 3.29. The locations of all invasive non-native plants are shown in Figure A7.1.50 and full records are provided in Table F1.

Table 3.27: Summary of Notable Plants Recorded at Disused Railway

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Sanicula europaea</i>	Sanicle	Eng NT	F

See Table 1.1 for Legal/Conservation Statuses

Table 3.28: Summary of Ancient Woodland Indicator Plants Recorded at Disused Railway

Taxon	Common Name	DAFOR
Ferns and allies		
<i>Dryopteris affinis</i> agg.	Scaly male-fern	F
Flowering plants		
<i>Acer campestre</i>	Field maple	F
<i>Adoxa moschatellina</i>	Moschatel	R
<i>Anemone nemorosa</i>	Wood anemone	R
<i>Carex sylvatica</i>	Wood-sedge	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Melica uniflora</i>	Wood melick	R
<i>Milium effusum</i>	Wood millet	F
<i>Polygonatum multiflorum</i>	Solomon's-seal	A
<i>Ranunculus auricomus</i>	Goldilocks buttercup	R
<i>Ribes rubrum</i>	Red currant	A
<i>Sanicula europaea</i>	Sanicle	F
<i>Veronica montana</i>	Wood speedwell	A
<i>Vicia sepium</i>	Bush vetch	O

Table 3.29: Summary of Invasive Non-Native Plants Recorded at Disused Railway.

Scientific Name	Common Name	Legal Status	DAFOR
<i>Symphoricarpos albus</i>	Snowberry	INNS	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.125 **Value:** The Disused Railway survey site supported one Priority Habitat, summarised in Table 3.30. A plan of Priority Habitat is provided in Figure A7.1.48.

3.2.126 The survey site supported Lowland Mixed Deciduous Woodland Priority Habitat with a relatively rich ground flora including 14 AWI species. The 1888 Ordnance Survey map (National Library of Scotland, 2017) does not show woodland to have been present at this location, and the canopy appeared to be of secondary recent origin. Woodland within the survey site is therefore not likely to be Ancient Woodland. The site is therefore of medium biodiversity value.

3.2.127 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.108. One notable plant was recorded within the Order Limits, summarised in Table 3.31 and shown in Figure A7.1.49.



Table 3.30: Priority Habitat Recorded at Disused Railway

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous Woodland	2.32	0.10

Table 3.31: Summary of Notable Plants Recorded Within the Order Limits at Disused Railway

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Sanicula europaea</i>	Sanicle	Eng NT	F

See Table 1.1 for Legal/Conservation Statuses

Caker Stream Floodplain (Section C)

Desk Study

3.2.128 **Site description:** The survey site was identified from aerial imagery and comprised an area of rough grassland along a small watercourse known as the Caker Stream (Figure A7.1.51). No ecological information was available for this area.

3.2.129 **Survey scope:** As no information was available for the site, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.130 **Limitations:** No limitations were encountered.

3.2.131 **Habitats:** The Caker Stream Floodplain site was dominated by poor semi-improved grassland, with boundary hedgerows and small stands of scrub (Photograph 7.1.22). A Phase 1 habitat plan is provided in Figure A7.1.52.

3.2.132 The grassland was species-poor, dominated by the coarse grasses false oat-grass and Yorkshire fog, and the weedy tall-herbs common nettle and hogweed. Broad-leaved dock (*Rumex obtusifolius*) was abundant, and common sorrel (*Rumex acetosa*) was frequent. Tall-herbs such as great willowherb (*Epilobium hirsutum*), meadowsweet and reed canary-grass (*Phalaris arundinacea*) were occasional along the Caker Stream.

3.2.133 **Flora:** A total of 22 vascular plant taxa were recorded during the survey, comprising 20 species. A site list is provided in Table B10.

3.2.134 No notable plants were recorded.

3.2.135 One neophyte vascular plant was recorded. No invasive non-native plants were recorded.

Evaluation

3.2.136 **Value:** The Caker Stream Floodplain survey site supported two Priority Habitats, summarised in Table 3.32. A plan of Priority Habitat is provided in Figure A7.1.53.



3.2.137 The survey site supported Hedgerows Priority Habitat.

3.2.138 Coastal and Floodplain Grazing Marsh Priority Habitat comprised coarse species-poor grassland. Such grassland is widespread within the region, and this habitat is therefore of low biodiversity value.

3.2.139 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.108.

Table 3.32: Priority Habitat Recorded at Caker Stream Floodplain

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Coastal and Floodplain Grazing Marsh	2.57ha	0.17ha
	Hedgerows	494m	29m

Water Lane (Section C)

Desk Study

3.2.140 **Site description:** The survey site is part of Water Lane SINC (Figure A7.1.54). Water Lane SINC is designated for supporting Ancient Woodland and as a Regionally Important Geological Site. A small number of notable plants have been recorded from the SINC, e.g. the England Near Threatened sanicle and wild strawberry (*Fragaria vesca*). Background habitat and botanical data are shown in Figure A7.1.55 and full background records are provided in Annex I.

3.2.141 **Survey scope:** To assess the impact of the project on designated features of the site, the desk study identified the need for botanical and habitat survey of the site.

Field Survey

3.2.142 **Limitations:** No limitations were encountered.

3.2.143 **Habitats:** Water Lane comprised a sunken holloway with steeply banked sides supporting species-rich hedgerows with trees. A Phase 1 habitat plan is provided in Figure A7.1.56.

3.2.144 The lane comprised frequent ash trees with an understorey dominated by field maple and hazel with abundant bramble and frequent elder (Photograph 7.1.23). The ground flora was sparse due to the dense shade and was dominated by dog's mercury with abundant rough meadow-grass and frequent broad buckler-fern, herb-robert and red campion (*Silene dioica*).

3.2.145 **Flora:** A total of 31 plant taxa were recorded during the survey: one bryophyte species and 30 vascular plant taxa, comprising 28 species. A site list is provided in Table B11.

3.2.146 No notable plants were recorded.

3.2.147 Four AWI species were recorded, summarised in Table 3.33.



3.2.148 No non-native plants were recorded.

Table 3.33: Summary of Ancient Woodland Indicator Plants Recorded at Water Lane

Taxon	Common Name	DAFOR
Ferns and allies		
Polystichum setiferum	Soft shield-fern	R
Flowering plants		
Acer campestre	Field maple	D
Bromopsis ramosa	Hairy-brome	R
Primula vulgaris	Primrose	O

Evaluation

3.2.149 **Value:** The Water Lane survey site supported one Priority Habitat, summarised in Table 3.34. A plan of Priority Habitat is provided in Figure A7.1.57.

3.2.150 As the Water Lane SINC is designated for supporting Ancient Woodland the survey site is of high biodiversity value.

3.2.151 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.34.

Table 3.34: Priority Habitat Recorded at Water Lane

Habitat		Length (m)	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	3,752	61

Floodplain of River Wey (Section C)

Desk Study

3.2.152 **Site description:** The survey comprises land to the north and south of the River Wey shown by the Priority Habitat Inventory as Coastal Floodplain and Grazing Marsh Priority Habitat (Figure A7.1.59). No further ecological information was available for this area. The survey site was divided into two sites, north and south of the railway.

3.2.153 **Survey scope:** As the site supported Priority Habitat but there was no further information available, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.154 **Limitations:** No limitations were encountered.

3.2.155 **Habitats:** To the south of the railway (subsite 'South'), the Floodplain of River Wey survey site was dominated by improved grassland, with small stands of dense scrub and broadleaved semi-natural woodland, and within and along the River Wey marginal vegetation and eutrophic running water (Photograph 7.1.25). North of the



railway (subsite 'North') was dominated by poor semi-improved grassland (Photograph 7.1.24). A Phase 1 habitat plan is provided in Figure A7.1.60.

3.2.156 **Flora:** A total of 102 plant taxa were recorded during the survey: one bryophyte species and 101 vascular plant taxa, comprising 96 species. A site list is provided in Table B12.

3.2.157 Two notable vascular plants were recorded, summarised in Table 3.35. Full records are provided in Table 3.58. The locations of discrete populations of notable plants are shown in Figure A7.1.62.

3.2.158 There were four archaeophyte and four neophyte vascular plant taxa, including two invasive non-native vascular plants, summarised in Table 3.36. The locations of all invasive non-native plants are shown in Figure A7.1.63 and full records are provided in Table F1.

Table 3.35: Summary of Notable Plants Recorded at Floodplain of River Wey

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			North	South
<i>Potamogeton pectinatus</i>	Fennel pondweed	Hants Scarce, VC12 Scarce	-	R
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.36: Summary of Invasive Non-Native Plants Recorded at Floodplain of River Wey

Scientific Name	Common Name	Legal Status	Subsite/DAFOR	
			North	South
<i>Buddleja davidii</i>	Butterfly-bush	INNS	R	-
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	-	LF

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.159 **Value:** The Floodplain of River Wey survey site supported one Priority Habitat, summarised in Table 3.37. A plan of Priority Habitat is provided in Figure A7.1.61.

3.2.160 The survey site supported Hedgerows Priority Habitat.

3.2.161 Coastal and Floodplain Grazing Marsh Priority Habitat comprised improved grassland. Such grassland is widespread within the region, and this habitat is therefore of low biodiversity value.

3.2.162 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.37. One notable plant was recorded within the Order Limits, summarised in Table 3.38 and shown in Figure A7.1.62.

Table 3.37: Priority Habitat Recorded at Floodplain of River Wey

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Coastal and Floodplain Grazing Marsh	6.24ha	1.60ha
	Hedgerows	317m	40m

Table 3.38: Summary of Notable Plants Recorded Within the Order Limits at Floodplain of River Wey

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			North	South
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R	-

See Table 1.1 for Legal/Conservation Statuses

Arable Weeds (Section C)

Desk Study

3.2.163 **Site description:** The survey site comprised arable land from two areas along the route between Alton and Aldershot where several notable arable weed species had been recorded (Figure A7.1.64). These included spreading hedge-parsley (*Torilis arvensis*), which is a Priority Species, is Nationally Scarce, and is Endangered in Great Britain. Background habitat and botanical data are shown in Figure A7.1.65 and full records are provided in Annex I. The survey site was divided into two subsites.

3.2.164 **Survey scope:** The desk study identified the need for botanical and habitat survey to identify populations of notable arable weed species and suitable habitat, such as headlands and set-aside.

Field Survey

3.2.165 **Limitations:** Due to access constraints it was not possible to survey the northern area of the survey site (subsite 'North'). Due to survey programme constraints it was not possible to visit the southern area until 28 September 2018, by which date most of the arable land had been ploughed.

3.2.166 **Habitats:** The accessible area of the survey site comprised a single ploughed arable field with a small area of unploughed set-aside (Photograph 7.1.26). A Phase 1 habitat plan is provided in Figure A7.1.66.

3.2.167 **Flora:** A total of 40 vascular plant species were recorded from arable land during the survey. A site list is provided in Table B13.

3.2.168 Two notable plants were recorded, summarised in Table 3.39. Both species were arable weeds. Full records are provided in Table 3.58. The locations of discrete populations of notable plants are shown in Figure A7.1.68.

3.2.169 Eleven archaeophyte and three neophyte vascular plant taxa were recorded, including one invasive non-native species (Table 3.40). The locations of all invasive non-native plants are shown in Figure A7.1.69 and full records are provided in Table F1.



Table 3.39: Summary of Notable Plants Recorded at Arable Weeds

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR
			South
<i>Bromus commutatus</i>	Meadow brome	VC12 Scarce	R
<i>Bromus secalinus</i>	Rye brome	Eng NT, GB VU, NS	R

See Table 1.1 for Legal/Conservation Statuses

Table 3.40: Summary of Invasive Non-Native Plants Recorded at Arable Weeds

Scientific Name	Common Name	Legal Status	Subsite/DAFOR
			South
<i>Buddleja davidii</i>	Butterfly-bush	INNS	F

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.170 **Value:** The Arable Weeds survey site supported one Priority Habitat, summarised in Table 3.41. A plan of Priority Habitat is provided in Figure A7.1.67.

3.2.171 Arable Field Margins Priority Habitat supported two notable species, meadow brome (*Bromus commutatus*) and rye brome (*B. secalinus*). These species are North Hampshire and Nationally Scarce, respectively, but both are frequent weeds of cereal crops and are expanding their ranges nationally (BSBI, 2018). The assemblage of arable weed species recorded was typical of the region, and the Arable Field Margins Priority Habitat is therefore of low biodiversity value.

3.2.172 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.41. No notable plants were recorded within the Order Limits.

Table 3.41: Priority Habitat Recorded at Arable Weeds

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Arable Field Margins	0.49	0.00

Oak Park Golf Club (Section D)

Desk Study

3.2.173 **Site description:** The survey site comprised an area of Oak Park Golf Club along the route (Figure A7.1.70). Several notable plants had been recorded from an area of the golf course to the east and Lowland Mixed Deciduous Woodland Priority Habitat is present within the site. Background habitat and botanical data are shown in Figure A7.1.71 and full records are provided in Annex I.

3.2.174 **Survey scope:** As no information was available for the site, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.



Field Survey

3.2.175 **Limitations:** No limitations were encountered.

3.2.176 **Habitats:** The Oak Park Golf Club survey site comprised amenity grassland, poor semi-improved grassland (Target Note 1) and broadleaved plantation and semi-natural woodland (Target Note 2). A Phase 1 habitat plan is provided in Figure A7.1.72 and detailed target notes are provided in Table C6.

3.2.177 **Flora:** A total of 100 vascular plant taxa were recorded during the survey, comprising 97 species and one hybrid. A site list is provided in Table B14.

3.2.178 No notable plants were recorded.

3.2.179 Two archaeophyte and six neophyte vascular plants were recorded. No invasive non-native plants were recorded.

Evaluation

3.2.180 **Value:** The Oak Park Golf Course survey site supported two Priority Habitats, summarised in Table 3.42. A plan of Priority Habitat is provided in Figure A7.1.73.

3.2.181 The survey site supported Hedgerows Priority Habitat.

3.2.182 Lowland Mixed Deciduous Woodland Priority Habitat supported a species-poor ground flora (Target Note 2). Woodland of this type is common in the region, and this habitat is therefore of low biodiversity value.

3.2.183 Non-Priority Habitats within the survey site comprised amenity grassland and broadleaved plantation woodland and are of negligible biodiversity value.

3.2.184 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.42.

Table 3.42: Priority Habitat Recorded at Oak Park Golf Club

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	228m	16m
	Lowland Mixed Deciduous Woodland	3.61ha	0.34ha

Ewshot Hedgerow (Section D)

Desk Study

3.2.185 **Site description:** The survey site comprised a narrow strip of woodland connected to Ewshot Wood SINC to the east (Figure A7.1.74). No ecological information was available for the survey site but Lowland Mixed Deciduous Woodland Priority Habitat is present immediately west and east of the site, and Ewshot Wood SINC is Ancient Woodland. Background habitat data are shown in Figure A7.1.75.



3.2.186 **Survey scope:** As no information was available for the site and it is connected to Ancient Woodland, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.187 **Limitations:** No limitations were encountered.

3.2.188 **Habitats:** Ewshot Hedgerow comprised a small stand of broadleaved semi-natural woodland. A Phase 1 habitat plan is provided in Figure A7.1.76.

3.2.189 The survey site was dominated by pedunculate oak with an understorey dominated by bramble, hawthorn and hazel (Photograph 7.1.29). The ground flora was dominated by ivy and wood false-brome (*Brachypodium sylvaticum*) with abundant common dog-violet (*Viola riviniana*), common nettle, greater stitchwort (*Stellaria holostea*), rough meadow-grass, wood dock (*Rumex sanguineus*) and wood melick.

3.2.190 **Flora:** A total of 51 vascular plant taxa were recorded, comprising 48 species. A site list is provided in Table B15.

3.2.191 One notable vascular plant was recorded, summarised in Table 3.46. Full records are provided in Table 3.58. The locations of discrete populations of notable plants are shown in Figure A7.1.78.

3.2.192 Twelve AWI species were recorded, summarised in Table 3.44.

3.2.193 One archaeophyte species was recorded. No invasive non-native plants were recorded.

Table 3.43: Summary of Notable Plants Recorded at Ewshot Hedgerow

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Sanicula europaea</i>	Sanicle	AWI, Eng NT	F

See Table 1.1 for Legal/Conservation Statuses

Table 3.44: Summary of Ancient Woodland Indicator Plants Recorded at Ewshot Hedgerow

Taxon	Common Name	DAFOR
<i>Acer campestre</i>	Field maple	F
<i>Anemone nemorosa</i>	Wood anemone	R
<i>Bromopsis ramosa</i>	Hairy-brome	F
<i>Carex remota</i>	Remote sedge	F
<i>Carex sylvatica</i>	Wood-sedge	F
<i>Hyacinthoides non-scripta</i>	Bluebell	F
<i>Melica uniflora</i>	Wood melick	A
<i>Primula vulgaris</i>	Primrose	F
<i>Ribes rubrum</i>	Red currant	R
<i>Sanicula europaea</i>	Sanicle	F
<i>Tamus communis</i>	Black bryony	F
<i>Veronica montana</i>	Wood speedwell	O

Evaluation

- 3.2.194 **Value:** The Ewshot Hedgerow survey site supported one Priority Habitat, summarised in Table 3.45. A plan of Priority Habitat is provided in Figure A7.1.77.
- 3.2.195 The survey site displays several features suggesting it is Ancient Woodland: connectivity to an Ancient Woodland site (i.e. Ewshot Wood SINC); mature tree canopy; and a relatively rich ground flora for such a small site, including 12 AWI species. The 1888 Ordnance Survey map (National Library of Scotland, 2017) also shows woodland at this location. As woodland within the survey site could be Ancient Woodland it is therefore of high biodiversity value.
- 3.2.196 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.45. No notable plants were recorded within the Order Limits.

Table 3.45: Priority Habitat Recorded at Ewshot Hedgerow

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous Woodland	0.20	0.04

Ewshot Meadows (Section D)

Desk Study

- 3.2.197 **Site description:** The survey site comprised Ewshot Meadows SINC and undesignated land to the north and south (Figure A7.1.79). Ewshot Meadow SINC is situated in the valley of a small watercourse, and is designated for supporting unimproved grassland, wetland and notable plants. Notable plants, which have been recorded from the survey site, including the North Hampshire Scarce dyer's greenweed (*Genista tinctoria*) (Figure A7.1.80).
- 3.2.198 **Survey scope:** To assess the impact of the project on the notified features of Ewshot Meadows SINC, the desk study identified the need for detailed botanical and vegetation survey of the site. Land to the north and south of Ewshot Meadows SINC was also surveyed to determine the biodiversity value of undesignated areas.

Field Survey

- 3.2.199 **Limitations:** No limitations were encountered.
- 3.2.200 **Habitats and vegetation:** Phase 1 habitat and vegetation plans are provided in Figure A7.1.81 and Figure A7.1.83, respectively. A total of 25 quadrats were recorded from the site, provided in Table H4. The locations of quadrats are shown in Figure A7.1.83. The habitats and vegetation are described below.
- 3.2.201 The Ewshot Meadows SINC comprised unimproved neutral grassland with scattered scrub (Photograph 7.1.30) and broadleaved semi-natural woodland along boundaries. There was a pond in the northwest of the valley (Photograph 7.1.32). The grassland (quadrats EM6 to EM15) was dominated by coarse grasses, with constant common bent (*Agrostis capillaris*), sweet vernal-grass (*Anthoxanthum odoratum*) and Yorkshire fog and frequent tufted hair-grass (*Deschampsia*



cespitosa), and compact rush (*Juncus conglomeratus*) was constant and sharp-flowered and soft rush (*Juncus effusus*) were frequent. Forb diversity and cover was limited, with constant lesser stitchwort (*Stellaria graminea*) and marsh thistle (*Cirsium palustre*) and frequent cleavers, common sorrel, creeping cinquefoil (*Potentilla reptans*) and greater bird's-foot-trefoil (*Lotus pedunculatus*). Stands of such grassland were referred to MG9.

3.2.202 In the southeastern part of the valley was marshy grassland and tall-herb vegetation, indicative of damper conditions along the watercourse and areas of groundwater seepage. Stands of this vegetation were referred to M27b (quadrats EM1 to EM5; Photograph 7.1.31) or M23a according to the relative dominance of meadowsweet or sharp-flowered rush, respectively.

3.2.203 Undesignated areas north and south of Ewshot Meadows SINC supported species-poor grassland dominated by coarse grasses. Grassland dominated by false oat-grass was referred to MG1 (quadrats EM16 to EM20) and supported constant weedy species such as constant common couch (*Elytrigia repens*) and frequent cleavers and creeping thistle (*Cirsium arvense*). Less rank grassland vegetation was referred to MG6 (quadrats EM21 to EM25), with constant common bent, red fescue (*Festuca rubra*), rough meadow-grass, sweet vernal-grass and Yorkshire fog, with the forbs common sorrel and germander speedwell (*Veronica chamaedrys*) constant.

3.2.204 Stands of woodland around the site were largely dominated by pedunculate oak with an understorey of bramble, referred to W10a. Some stands were of recent origin. There were also stands of grey willow at the head of the valley in the southeast, referred to W1.

3.2.205 **Flora:** A total of 122 vascular plant taxa were recorded during the survey, comprising 118 species and two hybrids. A site list is provided in Table B16.

3.2.206 Five notable vascular plants were recorded, summarised in Table 3.46. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.84.

3.2.207 One archaeophyte and three neophyte vascular plant taxa were recorded. No invasive non-native plants were recorded.

Table 3.46: Summary of Notable Plants Recorded at Ewshot Meadows

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Potentilla erecta</i>	Tormentil	Eng NT	F
<i>Potentilla x mixta</i>	Hybrid cinquefoil	VC12 Rare	LF
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	O
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.208 **Value:** The Ewshot Meadows survey site supported three Priority Habitats, summarised in Table 3.47. A plan of Priority Habitat is provided in Figure A7.1.82.

3.2.209 As a non-statutory designated site Ewshot Meadows SINC is of medium biodiversity value. However, grassland within the site was in a poor condition and did not constitute Lowland Meadows Priority Habitat.

3.2.210 Outside of the designated site, there was the Priority Habitat Lowland Mixed Deciduous Woodland and non-Priority Habitats such as poor semi-improved grassland and semi-improved neutral grassland. The latter grassland habitats were coarse and species-poor and are of negligible biodiversity value. Lowland Mixed Deciduous Woodland Priority Habitat is of medium biodiversity value.

3.2.211 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.47. Three notable plants were recorded within the Order Limits, summarised in Table 3.48 and shown in Figure A7.1.84.

Table 3.47: Priority Habitat Recorded at Ewshot Meadows

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous woodland	6.59	0.75
	Purple Moor-grass and Rush Pastures	1.87	0.11
	Wet Woodland	0.33	0.06

Table 3.48: Summary of Notable Plants Recorded Within the Order Limits at Ewshot Meadows

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Potentilla erecta</i>	Tormentil	Eng NT	F
<i>Potentilla x mixta</i>	Hybrid cinquefoil	VC12 Rare	LF
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	R

See Table 1.1 for Legal/Conservation Statuses

Wakefords Copse (Section D)

Desk Study

3.2.212 **Site description:** The survey site is part of Wakefords Copse, Crondall SINC and a small stand of woodland to the northwest (Figure A7.1.85). Wakefords Copse, Crondall SINC is designated for supporting Ancient Woodland, or former pasture woodland or wooded common. A small number of notable species had been recorded from the site, e.g. common cow-wheat and wood sorrel Figure A7.1.86.

3.2.213 **Survey scope:** To assess the impact of the project on designated features of the site, the desk study identified the need for botanical and habitat survey of the site.

Field Survey

3.2.214 **Limitations:** No limitations were encountered.

3.2.215 **Habitats:** Wakefords Copse comprised broadleaved semi-natural woodland. A Phase 1 habitat plan is provided in Figure A7.1.87 and target notes are provided in Table C7.



3.2.216 The woodland canopy was mixed, with some areas dominated by young pedunculate oak trees, silver birch or a combination of the two. The understorey was dominated by holly, and in some areas bracken and bramble. The ground flora was species-poor across most of the site, but the wayleave of the existing Esso pipeline (Target Note 1) supported a richer ground flora.

3.2.217 **Flora:** A total of 63 vascular plant taxa were recorded during the survey, comprising 62 species and one hybrid. A site list is provided in Table B17.

3.2.218 One notable vascular plant was recorded, summarised in Table 3.49. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.89.

3.2.219 Nine AWI species were recorded, summarised in Table 3.50.

3.2.220 Fourteen neophyte vascular plant taxa were recorded, including six invasive non-native vascular plants, summarised in Table 3.55. The locations of all invasive non-native plants are shown in Figure A7.1.90 and full records are provided in Table F1.

Table 3.49: Summary of Notable Plants Recorded at Wakefords Copse

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	F-LA

See Table 1.1 for Legal/Conservation Statuses

Table 3.50: Summary of Ancient Woodland Indicator Plants Recorded at Wakefords Copse

Taxon	Common Name	DAFOR
<i>Acer campestre</i>	Field maple	R
<i>Carpinus betulus</i>	Hornbeam	R
<i>Hyacinthoides non-scripta</i>	Bluebell	LA
<i>Luzula pilosa</i>	Hairy wood-rush	R
<i>Melica uniflora</i>	Wood melick	F
<i>Oxalis acetosella</i>	Wood-sorrel	F-LA
<i>Populus tremula</i>	Aspen	R
<i>Prunus avium</i>	Wild cherry	R
<i>Rosa arvensis</i>	Field-rose	R

Table 3.51: Summary of Invasive Non-Native Plants Recorded at Wakefords Copse

Scientific Name	Common Name	Legal Status	DAFOR
<i>Amelanchier lamarckii</i>	Juneberry	INNS	R
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	R
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	R
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	R
<i>Symphoricarpos albus</i>	Snowberry	INNS	R

See Table 1.1 for Legal/Conservation Statuses



Evaluation

3.2.221 **Value:** The Wakefords Copse survey site supported one Priority Habitat, summarised in Table 3.52. A plan of Priority Habitat is provided in Figure A7.1.88.

3.2.222 Nine AWI species were recorded from the survey site, but most were rare, located at the southern boundary of the site. The site is not included in the Ancient Woodland Inventory but Wakefords Copse, Crondall SINC is designated for supporting Ancient Woodland, or wood pasture or former wooded common. Most of the surveyed area is shown as un-wooded on the 1888 Ordnance Survey map (National Library of Scotland, 2017) and this area appeared to be of recent secondary origin. The surveyed area is therefore not to be Ancient Woodland. As a non-statutory designated site, i.e. Wakefords Copse, Crondall SINC, the survey site is therefore of medium biodiversity value.

3.2.223 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.52. One notable plant was recorded within the Order Limits, summarised in Table 3.53 and shown in Figure A7.1.89.

Table 3.52: Priority Habitat Recorded at Wakefords Copse

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous woodland	3.43	0.99

Table 3.53: Summary of Notable Plants Recorded within the Order Limits at Wakefords Copse

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Oxalis acetosella</i>	Wood sorrel	Eng NT	F-LA

See Table 1.1 for Legal/Conservation Statuses

Bourley and Long Valley (Section D)

Desk Study

3.2.224 **Site description:** The survey site comprised parts of units 1, 2 and 4 of Bourley and Long Valley SSSI and undesignated areas of the Tweseldown Racecourse to the south (Figure A7.1.91). The survey site was divided into four subsites.

3.2.225 Bourley and Long Valley SSSI is a large site and supports a diverse mosaic of habitats, with grassland, heathland, mire, scrub and woodland, as well as a large area of coniferous plantation woodland (Natural England, 2018b). The following plant communities are notified features of the SSSI:

- H2 *Calluna vulgaris-Ulex minor* heath;
- M16 *Erica tetralix-Sphagnum compactum* wet heath;
- M21 *Narthecium ossifragum-Sphagnum papillosum* mire; and
- M25 *Molinia caerulea-Potentilla erecta* mire.

3.2.226 The flora of the SSSI is rich, with species such as bristle bent (*Agrostis curtisii*) and dodder (*Cuscuta europaea*) associated with dry dwarf shrub heath, and bog mosses

(*Sphagnum* species) and round-leaved sundew (*Drosera rotundifolia*) with mire and wet heath. The SSSI also supports marsh clubmoss (*Lycopodiella inundata*) and pale dog-violet (*Viola lactea*), which are nationally scarce and Priority Species. Records showed that the latter and other notable heathland species had been recorded within the survey site. Background habitat and botanical data are shown in Figure A7.1.92 and full background records are provided in Annex I.

3.2.227 Survey scope: To assess the impact of the project on the designated habitats of the SSSI and habitats supporting the faunal interest of the site, the desk study identified the need for detailed botanical and vegetation survey of areas of the SSSI. The area surveyed comprised areas that could be impacted by the project, including indirect impacts such as changes to air quality or hydrology/hydrogeology. In addition to the SSSI, the survey site incorporated undesignated areas of Tweseldown Racecourse to determine whether this area also supported features of biodiversity value.

Field Survey

3.2.228 Limitations: No limitations were encountered.

3.2.229 Habitats and vegetation: Phase 1 habitat and vegetation plans are provided in Figure A7.1.93 and Figure A7.1.96, respectively. A total of 46 quadrats were recorded from the site, provided in Table H5 and Table H6. The locations of quadrats are shown in Figure A7.1.97. The habitats and vegetation are described by subsite below.

3.2.230 Subsite 'SSSI North' – This subsite was wholly within unit 1 of Bourley and Long Valley SSSI, comprising habitat along a track southwest to northeast through the SSSI (Sheet 3, Figure A7.1.93; Sheets 4 and 5, Figure A7.1.96). A large hill dominated the northeast of the subsite, with higher ground to the west and northwest, forming a wide valley bottom in the centre of the subsite drained by the Gelvert Stream and an unnamed watercourse. The higher ground and periphery of the subsite were dominated by plantation forestry, and there were smaller stands of broadleaved semi-natural woodland. Open habitats were present in the valley bottom, with heathland habitats to the north and south of the track.

3.2.231 Habitats along the track comprised narrow parallel verges of short patchy grassland, ditches, and banks supporting grassland dominated by purple moor-grass (*Molinia caerulea*) or dense scrub of common gorse (*Ulex europaeus*) (Photograph 7.1.34) (Sheet 3, Figure A7.1.93; Sheet 4, Figure A7.1.96). The ditches were dominated by sharp-flowered and soft-rushes with wetlands forbs such as greater bird's-foot-trefoil and marsh thistle abundant. The purple moor-grass grassland on the banks was similar to the vegetation of the wet heath habitats to the north and south of the track. The southern area of wet heath was dominated by coarse purple moor-grass, with frequent cross-leaved heath (*Erica tetralix*) and heather (*Calluna vulgaris*) and few associated species, referred to M25a. There were small richer areas of wet heath in ground hollows (Photograph 7.1.35; quadrats BVLN6 to BLVN8), and scrapes created as part of management and were regenerating to wet heath or formed seasonal ponds (Photograph 7.1.36). The former stands of wet heath vegetation were much more open than the surroundings, with lower cover by cross-leaved heath, heather and purple moor-grass, carpets of *Sphagnum compactum* and *S.*



denticulatum, and a richer suite of vascular plant species, such as frequent common cottongrass (*Eriophorum angustifolium*), lousewort (*Pedicularis sylvatica*) and intermediate sundew (*Drosera intermedia*) and round-leaved sundew, referred to M16c. The edge of this area of wet heath was being colonised by common gorse scrub.

- 3.2.232 There were two stands of wet heath immediately to the north of the track, bisected by a north-south strip of grassland (Sheet 3, Figure A7.1.93; Sheet 4, Figure A7.1.96). The eastern area lay along the existing Esso pipeline. Both stands were dominated by coarse purple moor-grass, were species-poor and unmanaged, with the western area encircled with dense scrub. The western stand supported the dwarf shrubs bog myrtle (*Myrica gale*), creeping willow (*Salix repens*), cross-leaved heath and heather (Photograph 7.1.37; quadrats BLVN1 to BLVN5), and the eastern stand was very species-poor, overwhelmingly dominated by purple moor-grass (Photograph 7.1.39). The grassland between these areas of wet heath was also dominated by purple moor-grass but associated with abundant sweet-vernal grass, frequent sedges such as carnation sedge (*Carex panicea*) and abundant forbs such as tormentil, referred to M25b (Photograph 7.1.38). This was also the only location where heath spotted-orchid (*Dactylorhiza maculata*) was recorded.
- 3.2.233 The open area further north (Sheet 3, Figure A7.1.93; Sheet 4, Figure A7.1.96) was surveyed to investigate possible hydrological connectivity with the route. Here, the flat ground of the valley rose to the north, and along the slope was a well-marked zonation of vegetation indicative of groundwater seepage toward the base of the slope (Photograph 7.1.41). Dense gorse scrub, bracken, dry dwarf shrub heath and acid grassland were present on the higher ground, giving way to wet heath on the intermediate slopes, and a small area of valley mire at the base of the slope and in the valley bottom. The valley mire had abundant *Sphagnum denticulatum*, sharp-flowered rush, small sedges such as common yellow-sedge (*Carex demissa*) and star sedge (*Carex echinata*), referred to M6d. Areas of flow accumulation at the base of the slope were marked out by mats of bog pondweed (*Potamogeton polygonifolius*) and bog asphodel (*Narthecium ossifragum*), referred to M29, and there were dense stands of bog pondweed and many-stalked spike-rush (*Eleocharis multicaulis*) around inundated areas, referred to M30.
- 3.2.234 To the south of this mire vegetation was a stand of wet woodland dominated by downy birch (Sheet 3, Figure A7.1.93; Sheet 4, Figure A7.1.96), bounded to the east by the watercourse and to the west by Scots pine plantation. The wettest part of the woodland marked the transition to open valley mire vegetation, and had a ground flora with abundant *Sphagnum*, referred to W4c (Photograph 7.1.40). The drier downy birch woodland to the south had a ground flora dominated by purple moor-grass. This woodland vegetation was similar to wet woodland along the existing Esso pipeline to the northeast, but the canopy there was better developed, with older trees and frequent alder, and there was a richer ground flora. Along the existing Esso pipeline there was a wetter central area of woodland along the Gelvert Stream, referred to W4b (Photograph 7.1.42). The mixed woodland to the northwest of this area was not surveyed.
- 3.2.235 Wet woodland ended abruptly at the base of the hill that comprised the northeastern part of the subsite (Sheet 3, Figure A7.1.93; Sheet 4, Figure A7.1.96). The hill supported forestry plantation of Scots pine, with an impoverished ground flora



dominated by purple moor-grass, with frequent bracken and heather. The wide forestry ride northeast along the existing Esso pipeline supported grassland dominated by purple moor-grass, referred to M25b (Sheet 5, Figure A7.1.96). The grassland at the northeast end of the ride was heavily disturbed (Photograph 7.1.43). The other track through the woodland to the south was too shaded to support grassland or other open habitats.

- 3.2.236 Subsite 'SSSI South' – This subsite was within unit 2 of Bourley and Long Valley SSSI, south of Aldershot Road and the previous subsite (Sheet 2, Figure A7.1.93; Sheet 3, Figure A7.1.96). This subsite supported a large, single open area, with peripheral forestry and semi-natural woodland. Along the western edge of the open area was a broad southwest to northeast strip of grassland maintained as an easement for the existing Esso pipeline and other utilities and used as a foot route between Tweseldown to the south and Aldershot Road to the north. There was a fence along the eastern side of the easement, bounding an area of heathland managed by the Hampshire and Isle of Wight Wildlife Trust and grazed by cattle.
- 3.2.237 The vegetation of the subsite was zoned along an elevation gradient, likely responding to surface water accumulation and contact with groundwater at lower elevations. High ground was present to the south, southwest and west, with land falling away gradually to the north, northeast and east. A small, steep conical hill dominated the southeast of the open area, and the easement along the west descended a steeper gradient toward the road. At the bottom of the slope of the easement, immediately south of the road, was a spring within woodland, the source of a small stream flowing east and then north, and there were several drains in the low-lying area in the north and northeast. The Gelvert Stream was not within the surveyed area.
- 3.2.238 The vegetation of the easement was dominated by purple moor-grass (Photograph 7.1.44; quadrats BLVS1 to BLVS6, and BLVS10), with small patches of open acid grassland where ground had been disturbed along foot routes (quadrats BLVS7 to BLVS9, and BLVS11), and narrow strips of heathland under the fence where there was protection from disturbance. The whole stand of purple moor-grass-dominated vegetation was referred to M25b, but there was a shift in species from southwest to northeast, with species indicative of damper conditions becoming prevalent in the northeastern half. There, sharp-flowered rush was abundant, with other wetland species such as creeping willow, greater bird's-foot-trefoil and velvet bent (*Agrostis canina*) present. On higher ground, heather became locally abundant but there were few associated species except in disturbed areas.
- 3.2.239 Within the managed area of heathland, acid grassland and dry dwarf shrub heath vegetation occupied the higher ground (Photographs 7.1.45 and 7.1.46). Dry dwarf shrub heath was best-developed around the small hill in the southeast, with abundant heather, purple moor-grass and wavy hair-grass (*Deschampsia flexuosa*), and scattered dwarf gorse (*Ulex minor*), referred to H2c (vegetation not sampled). Some areas had the appearance of degraded heath, supporting acid grassland dominated by grasses such as common bent, matt-grass (*Nardus stricta*), purple moor-grass, sheep's fescue (*Festuca ovina*) and wavy hair-grass; heathers were frequent but were not dominant, mostly small plants in the pioneer growth stage (quadrats BLVS22 to BLVS31). This condition was likely a result of grazing or other

disturbance. There were dense stands of bracken within these habitats, and gorse was frequent as scattered plants and dense stands of scrub.

- 3.2.240 On the low-lying ground to the north and northeast was valley mire, wet heath and wet woodland vegetation. Valley mire vegetation was very restricted, lying within a long ground hollow within wet heath in the north of the subsite (Photograph 7.1.47). This vegetation was dominated by a carpet of *Sphagnum* mosses, a mix of *S. denticulatum*, *S. palustre* and the hummock-forming *S. papillosum*. There were few associated vascular plants, with constant bog asphodel, common cottongrass and cross-leaved heath, purple moor-grass at low cover, and round-leaved sundew on surfaces of *Sphagnum*. The main body of this vegetation was referred to M21 (quadrats BLVS12 to BLVS16), with small wet hollows referred to M2.
- 3.2.241 The vegetation of the surrounding wet heath was patterned according to management. Most of the low-lying area was referred to M16a, comprising well-grazed open heath vegetation with constant cross-leaved heath, deergrass (*Trichophorum germanicum*), heather and purple moor-grass, with constant *Sphagnum compactum* forming dense patches and constant *Hypnum jutlandicum* forming sprawling mats under the dwarf shrubs (Photograph 7.1.48; quadrats BLVS17 to BLVS21). Small disturbed areas within the wet heath supported sundews and liverworts, referred to M16c. Ranker, less grazed stands of wet heath dominated by dense tussocks of purple moor-grass with low cover by subshrubs were referred to M25a. There were also several scrapes created by management activities, which were either beginning to be colonised or had been colonised by rushes and/or plants of damp open wet ground such as common yellow sedge, many-stalked spike-rush and star sedge.
- 3.2.242 Woodland within the subsite was dominated by Scots pine plantation. Where the trees had been thinned, the ground flora was dominated by dense stands of purple moor-grass, in drier areas with mature heather but with no other frequent associates (Photograph 7.1.44). Along the southern boundary of the subsite was a stand of dry woodland dominated by mature pedunculate oak, an understorey of dense holly and a sparse ground flora. Wet woodland occupied a small area near the Aldershot Road, dominated by downy birch, with a low canopy of grey willow along the watercourse flowing through this area. The ground flora of the swampy ground along the watercourse comprised vegetation dominated by soft rush and purple moor-grass, with forbs such as marsh bedstraw (*Galium palustre*) and marsh thistle, referred to W4b, becoming very open and sparse in a wetter area of slacker flow, referred to W1. The drier ground to the north was dominated by purple moor-grass, referred to W4a.
- 3.2.243 Subsite 'Tweseldown North' – This subsite included part of unit 4 of Bourley and Long Valley SSSI, but mostly comprised undesignated areas of the Tweseldown Racecourse (Sheet 1, Figure A7.1.93; Sheet 2 and 3, Figure A7.1.96). The surveyed area of unit 4 comprised acid and amenity grassland heavily disturbed by horse riding, with much exposed sandy bare ground (Photograph 7.1.50). The acid grassland, largely referred to U1b, was species-poor, dominated by common bent, with heath grass (*Danthonia decumbens*), sheep's fescue and, constant but at low cover, purple moor-grass, and few forbs such as cat's-ear and sheep's sorrel (*Rumex acetosella*) (Photograph 7.1.51; quadrats BLVTN1 to BLVTN7). Other acid grassland species such as bell heather (*Erica cinerea*), heather and mat-grass were



scattered or restricted in distribution, with a concentration along the less disturbed northern edge of the unit by a planted hedge. The remainder of the subsite was dominated by amenity grassland.

- 3.2.244 Subsite 'Tweseldown South' – This subsite comprised a large area of amenity grassland used by the Tweseldown Racecourse (Sheet 1, Figure A7.1.93; Sheet 1 and 2, Figure A7.1.96; Photograph 7.1.52). Scattered through this habitat in disturbed sandy areas were acid grassland species such as bird's-foot (*Ornithopus perpusillus*), corn spurrey (*Spergula arvensis*), sheep's sorrel and sand spurrey (*Spergularia rubra*), but the grassland was dominated by perennial rye-grass and other grasses of heavily mown grassland.
- 3.2.245 Along the southwest boundary was a strip of woodland dominated by mature pedunculate oak with a small number of ancient woodland species, such as bluebell and creeping soft-grass. To the south of the boundary of the sub-site, was a large stand of dense bracken.
- 3.2.246 **Flora:** A total of 261 plant taxa were recorded during the survey: one lichen species, 35 bryophyte species and 220 vascular plant taxa, comprising 216 species and four hybrids. A site list is provided in Table B18.
- 3.2.247 Twenty-five notable plants were recorded, summarised in Table 3.54. Full records are provided in Table E1. The locations of discrete populations of notable plants is shown in Figure A7.1.97. Most of the notable plants recorded were typical of heathland habitats, and many were important components of the vegetation, e.g. cross-leaved heath, heather, mat-grass and tormentil within dry, heath, wet heath and acid grassland. Other notable species were restricted to less extensive areas of habitat but were locally frequent or abundant, such as star sedge and sundews within wet heath and valley mire. Of the seven species recorded that were rare or scarce in North Hampshire (VC12), bog myrtle and deergrass were present in large populations within wet heath habitats. The annuals confused eyebright (*Euphrasia confusa*) and lesser centaury (*Centaurium pulchellum*) were each present in single locations, at the edge of the track through subsite 'South' and in disturbed sandy ground in Tweseldown Race Course, respectively. It should be noted, however, that the eyebrights at the former location were present in a dwarf state and were difficult to identify and could have belonged to one of the more widespread *Euphrasia* taxa. The locally scarce hybrid cinquefoil (*Potentilla x mixta*) was abundant in the verges of the MoD track through the north of the SSSI.
- 3.2.248 The Priority Species marsh clubmoss and pale heath dog-violet were searched for using background botanical records but were not found.
- 3.2.249 Nineteen AWI species were recorded. As the survey site supported mostly open habitats and plantation forestry, AWI species were very localised. The area with the greatest concentration of ancient woodland flora was the wet woodland around where the existing Esso pipeline meets the Gelvert stream, where eight AWI were recorded: alder buckthorn, hard-fern, pendulous sedge (*Carex pendula*), remote sedge, scaly male-fern (*Dryopteris affinis*), smooth-stalked sedge, wood-sorrel and guelder rose (*Viburnum lantana*).

3.2.250 There was one non-native bryophyte, *Campylopus introflexus*, and there were and five archaeophyte and 15 neophyte vascular plants. *C. introflexus* was abundant in many areas of bare or disturbed heathland soils across the survey site. There were four invasive non-native vascular plants, summarised in Table 3.55. The locations of these plants are shown in Figure A7.1.98 and full records are provided in Table F1. The four invasive non-native species were all rare, occurring as small isolated populations.

Table 3.54: Summary of Notable Plants Recorded at Bourley and Long Valley

Taxon	Common Name	Legal/Conservation Status	Subsite/DAFOR			
			North	South	Tweseldown North	Tweseldown South
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	R	-	-	-
<i>Calluna vulgaris</i>	Heather	Eng NT	F	F	LF	-
<i>Carex echinate</i>	Star sedge	Eng NT	LF	LF	-	-
<i>Centaureum pulchellum</i>	Lesser centaury	VC12 Scarce	-	-	R	-
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	-	R	-	-
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	LF	LA	-	-
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	LF	LA	-	-
<i>Erica cinereal</i>	Bell heather	Eng NT	-	F	LF	R
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	LF	LF	-	-
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	LF	LA	-	-
<i>Euphrasia confuse</i>	Confused eyebright	Eng VU, VC12 Rare	-	R	-	-
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	R	-	-	-
<i>Melampyrum pretense</i>	Common cow-wheat	Eng NT	-	R	R	-
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	LD	LF	-	-
<i>Nardus stricta</i>	Mat-grass	Eng NT	-	F-LA	LF	-
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	R	-	-	-
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	LF	F	-	-
<i>Potentilla erecta</i>	Tormentil	Eng NT	F-LA	F-LA	-	-
<i>Potentilla x mixta</i>	Hybrid cinquefoil	VC12 Rare	LA	R	-	-
<i>Pyrola minor</i>	Common wintergreen	Eng NT, VC12 Scarce	R	R	-	-
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	R	-	-
<i>Salix repens</i>	Creeping willow	Eng NT	R	R	-	-
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	-	-	-	R
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	LF	LF	-	-
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R	R	-	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.55: Summary of Invasive Non-Native Plants Recorded at Bourley and Long Valley

Taxon	Common Name	Legal Status	Subsite/DAFOR			
			North	South	Tweseldown North	Tweseldown South
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	R	-	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	-	-	R	-
<i>Prunus lusitanica</i>	Portugal laurel	INNS	R	-	-	-
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	R	R	R	-

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.251 **Value:** The Bourley and Long Valley survey site supported a diversity of habitats, vegetation and flora:

- The site supported six Priority Habitats and four Annex I Habitats, summarised in Table 3.56. Plans of Priority and Annex I Habitats are provided in Figure A7.1.94 and Figure A7.1.95.
- The four notified plant communities of Bourley and Long Valley SSSI and a diversity of other plant communities were recorded.
- Totals of 261 plant taxa, including 25 notable plants, were recorded.

3.2.252 As a statutory designated site, the areas of units 1, 2 and 4 of Bourley and Long Valley SSSI are of high biodiversity value.

3.2.253 Undesignated areas of the survey site comprised amenity grassland and broadleaved semi-natural woodland (Sheet 1, Figure A7.1.93). The former habitats are of negligible biodiversity value.

3.2.254 Stands of broadleaved semi-natural woodland constitute Lowland Mixed Deciduous Woodland Priority Habitat and the Annex I Habitat 'Old acidophilous oak woods with *Quercus robur* on sandy plains', located along the southwestern and northern boundaries of Tweseldown Racecourse (Figure A7.1.95). This Annex I Habitat is frequent in the southeast of England (JNCC, 2009). Only three AWI species were recorded from these woodlands and the 1888 Ordnance Survey map (National Library of Scotland, 2017) does not show woodland in this area. These stands of woodland are therefore unlikely to be Ancient Woodland and are of medium biodiversity value.

3.2.255 **Potential impacts:** Areas of Priority and Annex I Habitat within the Order Limits are provided in Table 3.56. Seventeen notable plants were recorded within the Order Limits, summarised in Table 3.57 and shown in Figure A7.1.97.

3.2.256 Direct impacts of pipeline installation to Bourley and Long Valley SSSI would be within units 1 and 2 of the site. There is a small area of unit 4 within the Order Limits but this would be avoided (Figure A7.1.91).



- 3.2.257 Installation within unit 1 of the SSSI would be a combination of trenchless and open cut methods. Trenchless methods would be employed to avoid heathland and semi-natural woodland habitats, with open cut through grassland and coniferous plantation woodland in the northeast (Sheets 2 and 3, Figure A7.1.93). The Order Limits include large areas set aside for good practice habitat works, such as targeted scrub and secondary woodland clearance from existing open heathland.
- 3.2.258 In the open cut section of the route through unit 1, the pipeline would be installed within habitat currently under coniferous plantation forestry (Sheet 5, Figure A7.1.93). Grassland within the Order Limits in this section comprises disturbed purple moor-grass dominated vegetation, referred to M25b (Sheet 3, Figure A7.1.96). M25 is a notified feature of the SSSI and a Priority Habitat but would not be directly impacted by installation works. No notable plants were recorded from this area (Sheet 3, Figure A7.1.97).
- 3.2.259 Installation within unit 2 would be by open cut (Figure A7.1.91). The Order Limits comprise grassland, dry dwarf shrub heath, broadleaved semi-natural woodland and coniferous plantation woodland along the existing pipeline easement between Tweseldown Racecourse and Aldershot Road (Sheet 2, Figure A7.1.93). Grassland along the easement is dominated by stands of M25b (Sheet 3, Figure A7.1.96), a notified feature of the SSSI and Purple Moor-grass and Rush Pastures Priority Habitat. Broadleaved semi-natural woodland comprises Wet Woodland Priority Habitat.
- 3.2.260 Six notable plants were recorded within unit 2 (Sheet 2, Figure A7.1.97; Table 3.57). Most of these were typical heathland species, widespread and abundant in suitable habitats across the site, and would likely regenerate readily following pipeline installation, e.g. bell heather, heather and tormentil. The North Hampshire Scarce and England Near Threatened Common wintergreen (*Pyrola minor*) and England Near Threatened creeping willow present along the existing wayleave were rare within the unit and the site. They would be unlikely to regenerate if damaged by installation works.
- 3.2.261 Installation through non-designated areas of the survey site would be by open cut (Figure A7.1.91). This would impact small areas of the broadleaved semi-natural woodland along the boundary of Tweseldown Racecourse comprising Lowland Mixed Deciduous Woodland Priority Habitat and the Annex I Habitat 'Old acidophilous oak woods with *Quercus robur* on sandy plains' (Table 3.56).
- 3.2.262 Within the Order Limits in this area, two notable plants were recorded, corn spurrey and common cow-wheat (Sheet 1, Figure A7.1.97; Table 3.57). As an annual, corn spurrey would be expected to be favoured by habitat disturbance. Common cow-wheat was recorded in the woodland between Tweseldown Racecourse and unit 2.

Table 3.56: Priority and Annex I Habitats Recorded at Bourley and Long Valley.

Habitat		Plant Communities	Area (ha)	
			Survey Site	Order Limits
Priority Habitat	Lowland Dry Acid Grassland	U1, U2, U5, U20	3.02	0.26
	Lowland Fens	M2, M6, M21, M30	0.18	0.01



Habitat	Plant Communities	Area (ha)	
		Survey Site	Order Limits
Lowland Heathland	H2, M16, M25, U20	4.61	0.60
	Lowland Mixed Deciduous Woodland	W10	5.72
	Purple Moor-grass and Rush Pastures	M25	1.11
	Wet Woodland	W1, W4	3.94
Annex I Habitat	H4010 North Atlantic wet heaths with <i>Erica tetralix</i>	M16, M25	2.13
	H4030 European dry heaths	H2	2.17
	H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	M2, M16c	0.07
	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	W10	3.13

Table 3.57: Summary of Notable Plants Recorded Within the Order Limits at Bourley and Long Valley

Taxon	Common Name	Legal/Conservation Status	Subsite/DAFOR			
			North	South	Tweseldown North	Tweseldown South
<i>Calluna vulgaris</i>	Heather	Eng NT	F	F	-	-
<i>Carex echinate</i>	Star sedge	Eng NT	LF	-	-	-
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	LF	-	-	-
<i>Erica cinerea</i>	Bell heather	Eng NT	-	F	LF	-
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	LF	-	-	-
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	LF	-	-	-
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	R	-	-	-
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	-	R	-	-
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	LD	-	-	-
<i>Nardus stricta</i>	Mat-grass	Eng NT	-	F-LA	LF	-
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	LF	F	-	-
<i>Potentilla erecta</i>	Tormentil	Eng NT	F-LA	F-LA	-	-
<i>Potentilla x mixta</i>	Hybrid cinquefoil	VC12 Rare 2	LA	-	-	-
<i>Pyrola minor</i>	Common wintergreen	Eng NT, VC12 Scarce, Hants Rare	-	R	-	-
<i>Salix repens</i>	Creeping willow	Eng NT	R	R	-	-
<i>Spergula arvensis</i>	Corn spurrey	GB VU, Eng VU	-	-	-	R
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	LF	-	-	-

See Table 1.1 for Legal/Conservation Statuses

Old Ively Road (Section D)

Desk Study

3.2.263 Site description: The Old Ively Road survey site comprised habitat along the cycle path along Old Ively Road northeast from Norns Bridge along the north of Cody



Technology Park, including a small part of Pyestock Hill/Pondtail Heath SINC (Figure A7.1.99). The site was divided into four subsites.

- 3.2.264 Eelmoor Marsh SSSI is immediately south of the survey site. The Pyestock Hill/Pondtail Heath SINC is designated for heathland and forested former heathland habitats and several notable vascular plant species. The Priority Habitat Inventory shows a small area of Lowland Heathland Priority Habitat along Old Ively Road. A small number of notable plants have been recorded from along Old Ively Road, e.g. green-flowered helleborine (*Epipactis phyllanthes*). Background habitat and botanical data are shown in Figure A7.1.100 and full background records are provided in Annex I.
- 3.2.265 **Survey scope:** The survey site includes semi-natural habitat connecting designated sites and supports notable plants. As there was limited information about this area, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.266 **Limitations:** No limitations were encountered.
- 3.2.267 **Habitats:** Old Ively Road largely comprised broadleaved semi-natural woodland and coniferous plantation woodland, with smaller areas of unimproved acid grassland, amenity grassland, marshy grassland, unimproved neutral grassland and dense scrub. A Phase 1 habitat plan is provided in Figure A7.1.101 and detailed target notes are provided in Table C8.
- 3.2.268 The plantation woodland along Old Ively Road (subsite 4), including part of Pyestock Hill/Pondtail Heath SINC, was dominated by Scots pine with frequent sweet chestnut. There was a sparse understorey of frequent bramble, holly and rowan (*Sorbus aucuparia*) and occasional pedunculate oak, silver birch and rhododendron (*Rhododendron ponticum*), and ground flora of abundant bracken and purple moor-grass. Edges of the woodland had abundant heather. A broad ride between blocks of woodland was dominated by purple moor-grass (Target Note 2).
- 3.2.269 Between the cycle path and Old Ively Road (subsite 3) was a narrow strip of dense scrub and young woodland, dominated by grey willow, pedunculate oak, Scots pine and silver birch with an understorey of dense bramble and common gorse. Grassy edges of the cycle path supported small areas of unimproved acid grassland dominated by bristle bent (Target Note 3).
- 3.2.270 Broadleaved woodland continued the line of the Old Ively Road along the north of Cody Technology Park (subsite 2). At the southwestern end, there was a block of mixed woodland dominated by birch with an understorey of dense bramble (Target Note 5). Woodland to the northeast (Target Note 6) comprised an avenue of mature pedunculate oaks forming a closed canopy of short grassland with heathland species such as heather. Where the avenue ended was an area of species-rich unimproved neutral grassland (Target Note 7).
- 3.2.271 Cody Technology Park (subsite 1) comprised buildings with landscaped areas, and a small stand of broadleaved plantation woodland (Target Note 8). Many of the grass

verges were open in structure, supporting a species-rich flora of annuals and short perennials characteristic of dry sandy soils, such as bird's-foot, common cudweed (*Filago vulgaris*), heath speedwell (*Veronica officinalis*), little mouse-ear (*Cerastium semidecandrum*), mouse-ear hawkweed (*Pilosella officinarum*) and rue-leaved saxifrage (*Saxifraga tridactylites*) (Target Note 4).

3.2.272 **Flora:** A total of 203 plant taxa were recorded during the survey: 13 bryophyte species and 190 vascular plant taxa, comprising 181 species and four hybrids. A site list is provided in Table B19.

3.2.273 Nine notable vascular plants were recorded, summarised in Table 3.58. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.104.

3.2.274 Seven archaeophyte and 23 neophyte vascular plant taxa were recorded, including four invasive non-native vascular plants, summarised in Table 3.59. The locations of all invasive non-native plants are shown in Figure A7.1.105 and full records are provided in Table F1.

Table 3.58: Summary of Notable Plants Recorded at Old Ively Road

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR			
			1	2	3	4
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	-	-	LD	LD
<i>Calluna vulgaris</i>	Heather	Eng NT	-	R	O	R
<i>Erica cinereal</i>	Bell heather	Eng NT	-	LF	LF	LD
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	R	-	-	-
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	R	R	F	R
<i>Potentilla erecta</i>	Tormentil	Eng NT	-	-	-	R
<i>Salix repens</i>	Creeping willow	Eng NT	-	R	-	-
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce	R	-	-	-
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	O	O	F	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.59: Summary of Invasive Non-Native Plants Recorded at Old Ively Road

Scientific Name	Common Name	Legal Status	Subsite/DAFOR			
			1	2	3	4
<i>Buddleja davidii</i>	Butterfly-bush	INNS	-	R	R	R
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	-	-	-	R
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	-	-	-	O
<i>Rosa rugosa</i>	Japanese rose	Schedule 9	R	-	-	-

Evaluation

3.2.275 **Value:** The Old Ively Road survey site supported four Priority Habitats and one Annex I Habitat, summarised in Table 3.60. Plans of Priority and Annex I Habitat are provided in Figure A7.1.102 and Figure A7.1.103.

3.2.276 Stands of Purple Moor-grass and Rush Pastures Priority Habitat such as that within the survey site (Target Note 2) occur frequently in afforested heathland sites in the



local area. The stand of this Priority Habitat within the survey site is of low biodiversity value.

3.2.277 Lowland Dry Acid Grassland and Lowland Meadows Priority Habitats are more limited in the local area and, although small, stands of these habitats supported diverse species assemblages (Target Notes 3, 4 and 7). Lowland Dry Acid Grassland and Lowland Meadows Priority Habitats within the survey site are therefore of medium biodiversity value.

3.2.278 Lowland Mixed Deciduous Woodland Priority Habitat included stands of the Annex I Habitat 'Old acidophilous oak woods with *Quercus robur* on sandy plains' (Target Note 6). This Annex I Habitat is frequent in the southeast of England (JNCC, 2009), and stands of this habitat and other stands of Lowland Mixed Deciduous Woodland are of medium biodiversity value.

3.2.279 Non-Priority Habitats within the survey site comprised amenity grassland and other artificial habitats and are of negligible biodiversity value.

3.2.280 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.60. Seven notable plants were recorded within the Order Limits, summarised in Table 3.61 and shown in Figure A7.1.104.

Table 3.60: Priority Habitat Recorded at Old Ivelly Road

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Dry Acid Grassland	0.02	0.02
	Lowland Meadows	0.15	0.15
	Lowland Mixed Deciduous woodland	1.45	0.52
	Purple Moor-grass and Rush Pastures	0.32	0.00
Annex I Habitat	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	0.09	0.09

Table 3.61: Summary of Notable Plants Recorded Within the Order Limits at Old Ivelly Road

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR			
			1	2	3	4
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	-	-	LD	-
<i>Calluna vulgaris</i>	Heather	Eng NT	-	-	O	-
<i>Erica cinereal</i>	Bell heather	Eng NT	-	-	LF	-
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	R	-	-	-
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	R	-	F	-
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce	R	-	-	-
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R	O	F	-

See Table 1.1 for Legal/Conservation Statuses

Former Southwood Golf Course (Section D)

Desk Study

- 3.2.281 **Site description:** The survey site comprised most of the former Southwood Golf Course (Figure A7.1.106). The site was divided into two subsites, to the west and east of the Ively Road.
- 3.2.282 The site is not designated, but Cove Brook Grassland SINC adjoins the survey site to the east, and there are several other SINC nearby. The Priority Habitat Inventory shows Wet Woodland Priority Habitat in the northwest of the site and Coastal and Floodplain Grazing Marsh across most of the east. A small number of notable plants have been recorded from the golf course, e.g. the North Hampshire scarce blunt-flowered rush (*Juncus subnodulosus*). Background habitat and botanical data are shown in Figure A7.1.107 and full background records are provided in Annex I.
- 3.2.283 **Survey scope:** As the site supported Priority Habitat and notable plants, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.284 **Limitations:** No limitations were encountered.
- 3.2.285 **Habitats:** the former Southwood Golf Course was dominated by amenity grassland with scattered planted trees, and small stands of woodland within the course and larger peripheral stands. A Phase 1 habitat plan is provided in Figure A7.1.108 and detailed target notes are provided in Table 7 9.
- 3.2.286 Broadleaved semi-natural woodland dominated by silver birch and pedunculate oak was found around the southern boundary of the site (Target Notes 1 and 2). There were several stands of alder-dominated woodland around the course, with a large stand in the northwest (Target Note 3), a stand in the east (Target Note 4), smaller stands of alder around the golf course on the western side. Other stands of woodland comprised planted broadleaved, coniferous and mixed woodland.
- 3.2.287 There were numerous ditches and two ponds on the golf course. These supported a variety of wetland plants, such as bulbous rush (*Juncus bulbosus*), marsh pennywort (*Hydrocotyle vulgaris*) and water horsetail (*Equisetum fluviatile*).
- 3.2.288 **Flora:** A total of 135 plant taxa were recorded during the survey: six bryophyte species and 129 vascular plant taxa, comprising 118 species and five hybrids. A site list is provided in Table B20.
- 3.2.289 Two notable vascular plants were recorded, summarised in Table 3.62. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.111.
- 3.2.290 There were six archaeophyte and 15 neophyte vascular plant taxa, including two invasive non-native vascular plants, summarised in Table 3.63. The locations of all invasive non-native plants are shown in Figure A7.1.112 and full records are provided in Table F1.



Table 3.62: Summary of Notable Plants Recorded at the Former Southwood Golf Course

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			West	East
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	R	-
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	R

See Table 1.1 for Legal/Conservation Statuses

Table 3.63: Summary of Invasive Non-Native Plants Recorded at the Former Southwood Golf Course

Scientific Name	Common Name	Legal Status	Subsite/DAFOR	
			West	East
<i>Impatiens capensis</i>	Orange balsam	INNS	-	LA
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	-	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.291 **Value:** The former Southwood Golf Course survey site supported two Priority Habitats and two Annex I Habitats, summarised in Table 3.64. Plans of Priority and Annex I Habitat are provided in Figure A7.1.109 and Figure A7.1.110.

3.2.292 The survey supported the Priority Habitats Lowland Mixed Deciduous Woodland and Wet Woodland. These also included stands of the Annex I Habitats 'Old acidophilous oak woods with *Quercus robur* on sandy plains' (e.g. Target Note 2) and 'Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)' (e.g. Target Note 3). These habitats are of medium biodiversity value.

3.2.293 Non-Priority Habitats within the survey site comprised amenity grassland and other artificial habitats and are of negligible biodiversity value.

3.2.294 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.64. No notable plants were recorded within the Order Limits.

Table 3.64: Priority Habitat Recorded at the Former Southwood Golf Course

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous woodland	3.99	0.13
	Wet Woodland	3.95	0.22
Annex I	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	1.21	0.07
	H91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)*	2.80	0.02

Annex I Habitats Marked with an asterisk (*) are Priority Annex I Habitats



Cove Brook (Section E)

Desk Study

- 3.2.295 **Site description:** The survey site comprised semi-natural habitat along the valley of the Cove Brook, including Cove Brook Grassland SINC and Cove Valley, Southern Grassland SINC (Figure A7.1.113). The site was divided into three subsites, comprising the two designated sites and a small undesignated area to the north.
- 3.2.296 The Cove Brook Grassland SINC is designated for wetland habitat, and Cove Valley, Southern Grassland SINC is designated for unimproved grassland and wet woodland. The Priority Habitat Inventory shows Coastal and Floodplain Grazing Marsh across most of the site. A small number of notable species have been recorded from the survey site, e.g. the North Hampshire scarce great burnet (*Sanguisorba officinalis*). Background habitat and botanical data are shown in Figure A7.1.114 and full background records are provided in Annex I.
- 3.2.297 **Survey scope:** To assess the impact of the project on designated features of the site, the desk study identified the need for detailed botanical and vegetation survey of the site. The scope was for the whole site to be surveyed to inform route design, with an initial visit in the spring to map habitats and identify more valuable habitat for detailed survey later in the season.

Field Survey

- 3.2.298 **Limitations:** The survey site was initially visited between 2 and 5 May and it was intended that a second visit would take place during July. However, land access was refused for the southern half of the site and only the northern half of the site was visited twice. However, the results of the first survey visit are sufficiently robust to identify the important habitats and plant populations of the survey site.
- 3.2.299 **Habitats:** Cove Brook comprised marshy and poor semi-improved grassland, tall-herb and broadleaved semi-natural woodland. A Phase 1 habitat plan is provided in Figure A7.1.115 and detailed target notes are provided in Table C10.
- 3.2.300 Grassland across the site was rank and unmanaged (Target Notes 1,2 and 6), dominated by coarse grasses such as creeping bent, red fescue, false oat-grass, meadow foxtail (*Alopecurus pratensis*) and Yorkshire fog, with stands of dense soft rush. Forb species diversity and cover were low, and some areas were being colonised by common nettle, creeping thistle and scrub. Grassland within subsite 2 was surveyed in further detail in July and confirmed the results of the initial survey. These additional results are provided in Table H7.
- 3.2.301 There was an extensive stand of tall-herb vegetation in the south of the survey site. A variety of tall-herbs dominated, including meadowsweet, hemlock water-dropwort (*Oenanthe crocata*) and reed canary-grass.
- 3.2.302 Broadleaved woodland comprised secondary stands of silver birch and pedunculate oak (Target Note 3), with a smaller area of wet woodland in a depression in the north of the site (Target Not 5).



3.2.303 **Flora:** A total of 144 plant taxa were recorded during the survey: two bryophyte species and 142 vascular plant taxa, comprising 131 species and six hybrids. A site list is provided in Table 3.65.

3.2.304 Three notable vascular plants were recorded, summarised in Table 3.65. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.117.

3.2.305 Three archaeophyte and 13 neophyte vascular plant taxa were recorded, including three invasive non-native vascular plants, summarised in Table 3.66. The locations of all invasive non-native plants are shown in Figure A7.1.118 and full records are provided in Table F1.

Table 3.65: Summary of Notable Plants Recorded at Cove Brook

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR		
			1	2	3
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	LF	-
<i>Rorippa amphibia</i>	Great yellow-cress	VC12 Scarce	-	-	R
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	LF	R	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.66: Summary of Invasive Non-Native Plants Recorded at Cove Brook

Scientific Name	Common Name	Legal Status	Subsite/DAFOR		
			1	2	3
<i>Aster</i> agg.	A Michaelmas-daisy	INNS	LD	-	-
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	LD	-	-
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	-	R	-
<i>Impatiens capensis</i>	Orange balsam	INNS	LA	LA	F
<i>Lamium galeobdolon</i> subsp. <i>argentatum</i>	Variiegated yellow archangel	Schedule 9	-	LD	-
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	-	R	-

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.306 **Value:** The Cove Brook survey site supported three Priority Habitats, summarised in Table 3.67. A plan of Priority Habitat is provided in Figure A7.1.116.

3.2.307 As non-statutory designated sites the Cove Brook Grassland SINC and Cove Valley, Southern Grassland SINC are of medium biodiversity value.

3.2.308 Broadleaved semi-natural woodland comprised Lowland Mixed Deciduous Woodland Priority Habitat, contiguous with woodland within Cove Valley, Southern Grassland SINC and is of medium biodiversity value. Other habitats are of negligible biodiversity value.

3.2.309 Non-Priority Habitats within the survey site comprised species-poor grassland and other modified habitats and are of negligible biodiversity value.



3.2.310 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.67. No notable plants were recorded within the Order Limits.

Table 3.67: Priority Habitat Recorded at Cove Brook

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Coastal and Floodplain Grazing Marsh	7.80	0.86
	Lowland Mixed Deciduous woodland	4.36	0.54
	Wet Woodland	1.49	0.74

Queen Elizabeth Park (Section E)

Desk Study

3.2.311 **Site description:** The survey site comprised an area of woodland within Queen Elizabeth Park, Farnborough (Figure A7.1.119). The site is not designated, and no Priority Habitat is mapped for this area. Several notable plants have been recorded from the site, e.g. the North Hampshire scarce greater duckweed (*Spirodela polyrhiza*). Background habitat and botanical data are shown in Figure A7.1.120 and full background records are provided in Annex I.

3.2.312 **Survey scope:** As there were several notable species recorded from the site, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.313 **Limitations:** No limitations were encountered.

3.2.314 **Habitats:** Queen Elizabeth Park was dominated by broadleaved semi-natural woodland. A Phase 1 habitat plan is provided in Figure A7.1.121.

3.2.315 The woodland canopy was dominated by sweet chestnut, with frequent pedunculate oak and locally frequent beech and birch species, and planted Scots pine and other non-native species were occasional. The canopy trees were uniformly-aged and young. The under storey was dominated by dense rhododendron with occasional holly. The ground flora was very impoverished, largely confined to the edges of the site, where there were numerous naturalised non-native horticultural species. There were small glades within the woodland, comprising amenity grassland. At the edge of the woodland was a pond, sparsely vegetated by common duckweed (*Lemna minor*), floating sweet-grass (*Glyceria fluitans*) and yellow iris (*Iris pseudacorus*).

3.2.316 **Flora:** A total of 110 plant taxa were recorded during the survey: three bryophyte species and 107 vascular plant taxa, comprising 101 species and two hybrids. A site list is provided in Table B22.

3.2.317 One notable vascular plant was recorded, summarised in Table 3.68. A full record is provided in Table E1 and the location is shown in Figure A7.1.123.

3.2.318 Five AWI species were recorded, summarised in Table 3.69. Of these, ramsons, red currant and pendulous sedge were likely present as garden escapes.

3.2.319 There were two archaeophyte and 26 neophyte vascular plant taxa, including five invasive non-native vascular plants, summarised in Table 3.70. The locations of all invasive non-native plants are shown in Figure A7.1.124 and full records are provided in Table F1.

Table 3.68: Summary of Notable Plants Recorded at Queen Elizabeth Park

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R

See Table 1.1 for Legal/Conservation Statuses

Table 3.69: Summary of Ancient Woodland Indicator Plants Recorded at Queen Elizabeth Park

Scientific Name	Common Name	DAFOR
<i>Adoxa moschatellina</i>	Moschatel	R
<i>Allium ursinum</i>	Ramsons	R
<i>Carex pendula</i>	Pendulous sedge	R
<i>Carex remota</i>	Remote sedge	R
<i>Ribes rubrum</i>	Red currant	R

Table 3.70: Summary of Invasive Non-Native Plants Recorded at Queen Elizabeth Park

Scientific Name	Common Name	Legal Status	DAFOR
<i>Amelanchier lamarckii</i>	Juneberry	INNS	R
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	LA
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	LD
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	D
<i>Symphoricarpos albus</i>	Snowberry	INNS	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.320 **Value:** The Queen Elizabeth Park survey site supported one Priority Habitat, summarised in Table 3.71. A plan of Priority Habitat is provided in Figure A7.1.122.

3.2.321 The broadleaved semi-natural woodland habitat that dominated the site is not included in the Ancient Woodland Inventory (Natural England 2018a)). As a large stand of Lowland Mixed Deciduous Woodland Priority Habitat, the survey site is of medium biodiversity value.

3.2.322 Non-Priority Habitats within the survey site comprised improved grassland and other modified habitats and are of negligible biodiversity value.

3.2.323 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.71. No notable plants were recorded within the Order Limits.

Table 3.71: Priority Habitat Recorded at Queen Elizabeth Park

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous woodland	9.87	1.96



Blackwater Valley (Section E)

Desk Study

- 3.2.324 **Site description:** The survey site comprised the areas of Blackwater Valley, Frimley Bridge SINC and Frimley Hatches SNCI north of Farnborough North railway station (Figure A7.1.125). The survey site was divided into two subsites, to the west and east of the A322.
- 3.2.325 The Priority Habitat Inventory shows an area of Lowland Heathland in the north of Blackwater Valley, Frimley Bridge SINC. Several notable plants have been recorded from the designated sites, but those within the surveyed area were from the mid-1990s, e.g. the North Hampshire scarce six-stamened waterwort (*Elatine hexandra*). The Hampshire scarce blunt-leaved pondweed (*Potamogeton obtusifolius*) has been recorded from the survey area. Background habitat and botanical data are shown in Figure A7.1.126 and full records are provided in Annex I.
- 3.2.326 **Survey scope:** To assess the impact of the project on designated features of the site, the desk study identified the need for botanical and habitat survey of the site.

Field Survey

- 3.2.327 **Limitations:** Botanical records from Surrey were not made available to the project by the local environmental records centre in time to be used in the desk study or survey. Due to land access it was not possible to survey the site until November 2018.
- 3.2.328 **Habitats:** A Phase 1 habitat plan for the Blackwater Valley survey site is provided in Figure A7.1.127 and detailed target notes are provided in Table C11.
- 3.2.329 Broadleaved semi-natural woodland dominated the western side of the A322 (subsite 'Frimley Bridge'), and there were small stands of poor semi-improved grassland, marshy grassland, semi-improved neutral grassland (Target Note 2) and dry dwarf shrub heath (Target Note 1). Broadleaved semi-natural woodland comprised stands of young dry woodland dominated by pedunculate oak toward the northwest of the site, and more developed stands of alder-dominated wet woodland (Target Note 3). There were also stands of dense scrub along the wayleave of overhead powerlines parallel to the A322.
- 3.2.330 Broadleaved semi-natural woodland and a series of lakes comprising eutrophic standing water habitat dominated the eastern side of the A322 (subsite 'Frimley Hatches'). Woodland comprised dry stands dominated by pedunculate oak along the River Blackwater and more acidic stands along the railway along the eastern boundary of the site (Target Note 7). Most of the area surveyed comprised wet woodland dominated by alder and willows around the lakes (Target Note 4), and swampy grey willow-dominated woodland formed over a filled-in area of former gravel works in the north of the subsite (Target Note 6). The latter area also supported an extensive stand of swamp vegetation (Target Note 5).



3.2.331 **Flora:** A total of 187 plant taxa were recorded during the survey: nine bryophyte species and 176 vascular plant taxa, comprising 163 species and six hybrids. A site list is provided in Table B23.

3.2.332 Four notable vascular plants were recorded, summarised in Table 3.72. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.130.

3.2.333 There were seven archaeophyte and 26 neophyte vascular plant taxa, including four invasive non-native vascular plants, summarised in Table 3.73. The locations of all invasive non-native plants are shown in Figure A7.1.131 and full records are provided in Table F1.

Table 3.72: Summary of Notable Plants Recorded at Blackwater Valley

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			Frimley Bridge	Frimley Hatches
<i>Agrostis curtisii</i>	Bristle bent	VC17 Scarce	-	R
<i>Calluna vulgaris</i>	Heather	Eng NT	LD	-
<i>Hottonia palustris</i>	Water-violet	Eng VU, VC17 Scarce	-	R
<i>Potentilla erecta</i>	Tormentil	Eng NT	-	LA

Table 3.73: Summary of Invasive Non-Native Plants Recorded at Blackwater Valley

Scientific Name	Common Name	Legal Status	Subsite/DAFOR	
			Frimley Bridge	Frimley Hatches
<i>Buddleja davidii</i>	Butterfly-bush	INNS	-	R
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Schedule 9	R	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	R	A
<i>Spiraea douglasii</i>	Steeplebush	INNS	-	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.334 **Value:** The Blackwater Valley survey site supported six Priority and three Annex I Habitats, summarised in Table 3.74. Plans of Priority and Annex I Habitat are provided in Figure A7.1.128 and Figure A7.1.129.

3.2.335 As non-statutory designated sites the Blackwater Valley, Frimley Bridge SINC and Frimley Hatches SINC are of medium biodiversity value.

3.2.336 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.64. One notable plant was recorded within the Order Limits, summarised in Table 3.75 and shown in Figure A7.1.130.

Table 3.74: Priority and Annex I Habitat Recorded at Blackwater Valley

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Eutrophic Standing Waters	11.93	0.07
	Lowland Heathland	0.26	0.08
	Lowland Meadows	0.14	0.00



Habitat	Area (ha)	
	Survey Site	Order Limits
Lowland Mixed Deciduous woodland	13.15	0.94
	Reedbeds	1.15
	Wet Woodland	7.52
Annex I Habitat	H4030 European dry heaths	0.26
	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	0.80
	H91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)*	2.60

Annex I Habitats Marked with an Asterisk (*) are Priority Annex I Habitats

Table 3.75: Summary of Notable Plants Recorded within the Order Limits at Blackwater Valley

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			Frimley Bridge	Frimley Hatches
<i>Calluna vulgaris</i>	Heather	Eng NT	LD	-

See Table 1.1 for Legal/Conservation Statuses

Frimley Green (Section E)

Desk Study

3.2.337 **Site description:** The survey site comprised an area of woodland along Balmoral Drive, Frimley Green, near to the route (Figure A7.1.132). The Priority Habitat inventory shows Deciduous Woodland around the site (Figure A7.1.133). This habitat is not listed as a Priority Habitat but is included to cover habitat that is likely to be Priority Habitat but where there is uncertainty over the exact Priority Habitat.

3.2.338 **Survey scope:** The survey site continues through an urban area and then a corridor of woodland habitat northeast from Blackwater Valley. As there was no information about this area, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.339 **Limitations:** Background botanical records were not available to be used in the desk study or survey. No other limitations were encountered.

3.2.340 **Habitats:** The survey site comprised amenity grassland, swamp and broadleaved semi-natural woodland. A Phase 1 habitat plan is provided in Figure A7.1.134 and target notes are provided in Table C12.

3.2.341 Woodland comprised a small stand of alder-dominated woodland at the corner of Balmoral Drive and Frimley Green Road (Target Note 1), and secondary woodland along Balmoral Drive (Target Note 3). Woodland along the southeastern side of Balmoral Drive was dominated by sycamore. There was a small ornamental pond supplied by a stream in the northeast of the survey site (Target Note 2).



3.2.342 **Flora:** A total of 115 plant taxa were recorded during the survey: one bryophyte species and 114 vascular plant taxa, comprising 107 species and two hybrids. A site list is provided in Table B24.

3.2.343 One notable vascular plant was recorded, summarised in Table 3.76. A full record is provided in Table E1 and the location is shown in Figure A7.1.136.

3.2.344 There were six archaeophyte and 16 neophyte vascular plant taxa, including four invasive non-native vascular plants, summarised in Table 3.77. The locations of all invasive non-native plants are shown in Figure A7.1.137 and full records are provided in Table F1.

Table 3.76: Summary of Notable Plants Recorded at Frimley Green

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	R

See Table 1.1 for Legal/Conservation Statuses

Table 3.77: Summary of Invasive Non-Native Plants Recorded at Frimley Green

Scientific Name	Common Name	Legal Status	DAFOR
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Schedule 9	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	LD
<i>Lonicera nitida</i>	Wilson's honeysuckle	INNS	R
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.345 **Value:** The Frimley Green survey site supported two Priority Habitats, summarised in Table 3.78. A plan of Priority Habitat is provided in Figure A7.1.135.

3.2.346 Wet Woodland Priority Habitat is of medium biodiversity value. As secondary woodland, the stands of Lowland Mixed Deciduous Woodland Priority Habitat are of low biodiversity value.

3.2.347 Non-Priority Habitats within the survey site comprised amenity grassland and other artificial habitats and are of negligible biodiversity value.

3.2.348 **Potential impacts:** Areas of Priority Habitat within the Order Limits are provided in Table 3.78. No notable plants were recorded within the Order Limits.

Table 3.78: Priority Habitat Recorded at Frimley Green

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Mixed Deciduous woodland	2.57	0.13
	Wet Woodland	0.22	0.00



Pine Ridge (Section E)

Desk Study

- 3.2.349 **Site description:** The survey site comprised Frimley Fuel Allotments SNCI, Frith Hill SNCI, a small area of land designated as Suitable Alternative Natural Greenspace (SANGS) to the west and the undesignated eastern half of Pine Ridge Golf Course (Figure A7.1.138). The survey site was divided into two subsites, comprising the two SNCI, SANGS and woodland peripheral to the golf course, and the Pine Ridge Golf Course.
- 3.2.350 Frimley Fuel Allotments SNCI is dominated by plantation forestry with small areas of dry dwarf shrub-heath and semi-natural grassland (Surrey Wildlife Trust, 2012). Lowland Heathland Priority Habitat are shown in the Priority Habitat Inventory within Frith Hill SNCI and an undesignated area between the eastern and western parts of the golf course. The Priority Habitat inventory shows Deciduous Woodland around the site. This habitat is not listed as a Priority Habitat but is included to cover habitat that is likely to be Priority Habitat but where there is uncertainty over the exact Priority Habitat. Background habitat data are shown in Figure A7.1.139.
- 3.2.351 The Frimley Fuel Allotment SNCI management plan (Surrey Wildlife Trust, 2012) also refers to a series of balancing Ponds which are Ponds Priority Habitat. These are located between the western and eastern halves of the Pine Ridge Golf Course.
- 3.2.352 **Survey scope:** The Pine Ridge Golf Course and two SNCI are large sites on former heathland and small areas of semi-natural habitat could still be present. The desk study therefore identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

- 3.2.353 **Limitations:** Background botanical records were not available to be used in the desk study or survey. No other limitations were encountered. For health and safety reasons the driving range within Pine Ridge Golf Course was not accessed.
- 3.2.354 **Habitats:** Pine Ridge comprised large uniform areas of plantation woodland and amenity grassland, with stands of dense bracken, small areas acid grassland and dry dwarf shrub-heath (Target Note 2) in open areas of plantation, and small areas of broadleaved semi-natural woodland. The SANGS site to the west of Frith Hill SNCI supported unimproved neutral grassland, presumed artificial (Target Note 1). There was a series of balancing ponds in an area of woodland and scrub separating the western and eastern halves of Pine Ridge Golf Course (Target Note 3). A Phase 1 habitat plan is provided in Figure A7.1.140 and detailed target notes are provided in Table C13.
- 3.2.355 **Flora:** A total of 175 plant taxa were recorded during the survey: six bryophyte species and 169 vascular plant taxa, comprising 165 species. A site list is provided in Table B25.



3.2.356 Eleven notable vascular plants were recorded, summarised in Table 3.79. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.143.

3.2.357 Two archaeophyte and 42 neophyte vascular plant taxa were recorded, including 11 invasive non-native vascular plants, summarised in Table 3.80. The locations of all invasive non-native plants are shown in Figure A7.1.144 and full records are provided in Table F1.

Table 3.79: Summary of Notable Plants Recorded at Pine Ridge

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Agrostis curtisii</i>	Bristle bent	VC17 Scarce	R	-
<i>Calluna vulgaris</i>	Heather	Eng NT	LA	LF
<i>Eleocharis acicularis</i>	Needle spike-rush	VC17 Rare	R	-
<i>Erica cinerea</i>	Bell heather	Eng NT	LF	LF
<i>Nardus stricta</i>	Mat-grass	Eng NT	LF	-
<i>Nymphoides peltata</i>	Fringed water-lily	NS	LA	-
<i>Potentilla erecta</i>	Tormentil	Eng NT	R	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	R
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.80: Summary of Invasive Non-Native Plants Recorded at Pine Ridge

Scientific Name	Common Name	Legal Status	Subsite/DAFOR	
			Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Amelanchier lamarckii</i>	Juneberry	INNS	LF	-
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	LA	-
<i>Gaultheria shallon</i>	Shallon	Schedule 9	R	-
<i>Hypericum calycinum</i>	Rose-of-Sharon	INNS	R	-
<i>Ludwigia grandiflora</i>	Water-primrose	Schedule 9	LD	-
<i>Myriophyllum aquaticum</i>	Parrot's-feather	Schedule 9	LD	-
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R	-
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	LA	-
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	O	R
<i>Spiraea douglasii</i>	Steeplebush	INNS	LA	-
<i>Symphoricarpos albus</i>	Snowberry	INNS	R	-

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.358 **Value:** The Pine Ridge survey site supported four Priority Habitats and one Annex I Habitat, summarised in Table 3.81. Plans of Priority and Annex I Habitat are provided in Figure A7.1.141 and Figure A7.1.142.



- 3.2.359 As non-statutory designated sites Frimley Fuel Allotments SNCI and Frith Hill SNCI are of medium biodiversity value.
- 3.2.360 Non-designated areas of site supported Lowland Mixed Deciduous Woodland and Ponds Priority Habitats, of medium biodiversity value.
- 3.2.361 Unimproved neutral grassland in the west of the survey site (Target Note 1) is not Lowland Meadows Priority Habitat as it appeared to have been created as part of the SANGS site, comprising forbs characteristic of calcareous soils and atypical of the local geology. This habitat is of low biodiversity value.
- 3.2.362 Other non-Priority Habitats within the survey site comprised amenity grassland and other modified or artificial habitats and are of negligible biodiversity value.
- 3.2.363 **Potential impacts:** Areas of Priority and Annex I Habitat within the Order Limits are provided in Table 3.81. Four notable plants were recorded within the Order Limits, summarised in Table 3.82 and shown in Figure A7.1.143.

Table 3.81: Priority and Annex I Habitat Recorded at Pine Ridge

Habitat		Area (ha)	
		Survey Site	Order Limits
Priority Habitat	Lowland Dry Acid Grassland	0.77	0.26
	Lowland Heathland	1.00	0.00
	Lowland Mixed Deciduous Woodland	5.88	0.57
	Ponds	0.09	0.00
Annex I Habitat	H4030 European dry heaths	1.00	0.00

Table 3.82: Summary of Notable Plants Recorded within the Order Limits at Pine Ridge

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Calluna vulgaris</i>	Heather	Eng NT	LA	LF
<i>Erica cinerea</i>	Bell heather	Eng NT	LF	LF
<i>Nardus stricta</i>	Mat-grass	Eng NT	LF	-
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	R	-

See Table 1.1 for Legal/Conservation Statuses

Colony Bog and Bagshot Heath (Section F)

Desk Study

- 3.2.364 **Site description:** The survey site comprised parts or all of units 4, 5, 6 and 9 of Colony Bog and Bagshot Heath SSSI (Figure A7.1.145). This area included part of the Brentmoor Heath and Folly Bog Surrey Wildlife Trust Nature Reserve. The survey site also included The Folly SNCI. The survey site was divided into four subsites.
- 3.2.365 The complex of valley mire, wet heath, dry dwarf shrub heath and other habitats within Colony Bog and Bagshot Heath SSSI form one of the finest surviving tracts of predominantly wet heathland in southeast England and the largest in the Thames



basin (Natural England, 2018e). The following plant communities are notified features of the SSSI:

- H1 *Calluna vulgaris-Festuca ovina* heath;
- H2 *Calluna vulgaris-Ulex minor* heath;
- H3 *Ulex minor-Agrostis curtisii* heath;
- M14 *Schoenus nigricans-Narthecium ossifragum* mire;
- M16 *Erica tetralix-Sphagnum compactum* wet heath;
- M2 *Sphagnum cuspidatum/recurvum* bog pool community;
- M21 *Narthecium ossifragum-Sphagnum papillosum* mire;
- M23 *Juncus effusus/acutiflorus-Galium palustre* rush pasture;
- M24 *Molinia caerulea-Cirsium dissectum* fen meadow;
- M25 *Molinia caerulea-Potentilla erecta* mire;
- M6 *Carex echinata-Sphagnum recurvum/auriculatum* mire;
- W4 *Betula pubescens-Molinia caerulea* woodland; and
- W5 *Alnus glutinosa-Carex paniculata* woodland.

3.2.366 Dry and wet heath habitats support a range of plants characteristic of these habitats, as well as the nationally scarce and Priority Species marsh clubmoss within wet heath. Dry and wet heath grade into valley mire in hollows and valley bottoms, supporting a diversity of wetland vascular plants and bryophytes, and many county rarities. The only area of valley mire near to the route was Folly Bog. Background habitat data are shown in Figure A7.1.146.

3.2.367 Colony Bog and Bagshot Heath SSSI is also a component site of the Thursley, Ash, Pirbright and Chobham SAC and the Thames Basin Heaths SPA. The qualifying Annex I Habitats of the SAC and component plant communities are summarised in Table 3.83.

Table 3.83: Qualifying Features and Component Plant Communities of Thursley, Ash, Pirbright and Chobham SAC

Qualifying habitat	Component plant communities (Natural England, 2016)
H4010 North Atlantic wet heaths with <i>Erica tetralix</i>	M16, M25
H4030 European dry heaths	H1, H2
H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	M1, M2, M6, M14, M21

3.2.368 **Survey scope:** To assess the impact of the project on the notified habitats of the SSSI, qualifying features of the SAC and habitats supporting the faunal interest of these sites, the desk study identified the need for detailed botanical and vegetation survey of areas of the SSSI that could be impacted by the project. For example, the SSSI could experience indirect impacts such as changes to air quality or hydrology/hydrogeology. Survey effort was particularly focused on Folly Bog, a sensitive groundwater-dependent receptor.



Field survey

- 3.2.369 **Limitations:** Background botanical records were not available to be used in the desk study or survey. Survey access was limited to publicly accessible areas, outside of the Ministry of Defence danger area. The Folly SNCI was not accessed.
- 3.2.370 Of the quadrats collected during the vegetation survey, the results from quadrats CB25 to CB28 were lost due to a corrupted data file. However, notes collected about the small stands of acid grassland sampled were sufficient to determine the habitat and vegetation type, and the loss of these data does not affect the evaluation of the habitat.
- 3.2.371 **Habitats and vegetation:** Plans of Phase 1 habitats and vegetation are provided in Figure A7.1.147 and Figure A7.1.150, respectively. A total of 51 quadrats were recorded from the site, provided in Table H8, Table H9 and Table H10. The locations of quadrats are shown in Figure A7.1.150. The habitats and vegetation are described by subsite below.
- 3.2.372 Subsite 1 – This subsite comprised parts of units 4 and 9 of Colony Bog and Bagshot Heath SSSI, lying on the high ground of Chobham Ridges to the west and north of the MoD danger area fence (Sheets 1 and 2, Figure A7.1.147; Sheets 1 to 6, Figure A7.1.150). There were footpaths and an MoD access track through the subsite, parallel to the fence.
- 3.2.373 The subsite consisted of a long narrow strip of mostly wooded habitat, with small stands of acid and neutral grassland (Photograph 7.1.80). The woodland habitats were predominantly of planted Scots pine with a species-poor ground flora. In better-illuminated areas of woodland, as along tracks, the ground flora comprised species-poor purple moor-grass-dominated grassland. There were narrow strips of semi-natural woodland along the western boundary of the subsite, dominated by pedunculate oak, with a larger stand of pedunculate oak and silver birch-dominated woodland along the north. In some areas, unmown edges of woodland had developed small patches of dry dwarf shrub heath dominated by heather.
- 3.2.374 The grassland habitats were maintained by mowing of MoD access routes. In the west-east part of the subsite, acid grassland was confined to the parched, sandy verges of the MoD track (Sheet 3, Figure A7.1. 147; Sheets 4 to 6, Figure A7.1.150; Photograph 7.1.81), with the larger stands dominated by bristle bent, referred to U5. A broad and more species-rich area of acid grassland was present in the southwest of the subsite (Sheet 1, Figure A7.1.147; Photograph 7.1.82), with abundant sweet vernal-grass and wavy hair-grass, frequent common bent and purple moor-grass, patches of low-growing heather and bilberry (*Vaccinium myrtillus*), and a range of forbs such as frequent cat's-ear (*Hypochaeris radicata*), hawkweeds (*Hieracium* sp.) and ribwort plantain (*Plantago lanceolata*). Neutral grassland habitats were more marginal, predominantly in disturbed areas.
- 3.2.375 Subsite 2 – This subsite comprised a large tract of heathland occupying the high ground to the north and west of Folly Bog, within unit 4 of Colony Bog and Bagshot Heath SSSI (Sheets 2 and 3, Figure A7.1.147; Sheets 6 and 7, Figure A7.1.150; Photograph 7.1.83). The MoD access track continued through the site, along the top of the steep slope above Folly Bog. The heathland comprised a large area of dry

dwarf shrub heath, stands of dense bracken and scrub, and small areas of acid grassland. The dry dwarf shrub heath was dominated by heather with frequent to abundant dwarf gorse, across most of the subsite associated with constant bell heather and bracken, with the moss *Hypnum jutlandicum* growing in mats beneath the subshrubs (quadrats CB19 to CB23). Such vegetation was referred to H2a. On the lower parts of the slope below the track, there was more humid heath vegetation, transitional between the dry dwarf shrub heath above and the wet heath and valley mire of Folly Bog below, referred to H2c. There, purple moor-grass was abundant and cross-leaved heath frequent. Generally, the heath vegetation was species-poor due to dominance by subshrubs, but the flora was richer in areas that had been mown or scraped as part of management, with frequent dodder (Photograph 7.1.84). One scraped area had abundant bristle bent, referred to H3. There was similar dry dwarf shrub heath vegetation along the steep bank to the north of the track, as well as many small pioneer species such as common centaury (*Centaureum erythraea*) and yellow-wort (*Blackstonia perfoliata*), and others such as heath spotted-orchid. In disturbed areas among the heath were small species-poor patches of acid grassland, dominated by purple moor-grass and bristle bent.

- 3.2.376 Along the southern side of the track were stands of dense common gorse and bracken, with bramble forming a tangled understorey, referred to W23 and W25, respectively (Photograph 7.1.85). In the eastern half of the subsite, dense bracken dominated from the edge of the woodland and scrub along Red Road south to near the bottom of the slope above Folly Bog. The presence of tree stumps and deadwood indicated that much of this area had been under coniferous woodland in the recent past.
- 3.2.377 Woodland occupied the periphery of the subsite, mostly Scots pine plantation. There was a small area of semi-natural woodland in the northeastern corner of the subsite, around the watercourse draining Folly Bog (Sheet 3, Figure A7.1.147; Sheet 7, Figure A7.1.150). This was dominated by young silver birch trees, with a species-poor ground flora of dense purple moor-grass and bracken, referred to W4a (Photograph 7.1.86). The woodland around the Folly to the southeast, dominated by pedunculate oak, was not accessed.
- 3.2.378 Subsite 'Folly Bog' – Folly Bog was a large area of predominantly valley mire occupying the low ground in the eastern half of unit 4 of Colony Bog and Bagshot Heath SSSI (Sheet 3, Figure A7.1.147; Sheets 6 and 7, Figure A7.1.150; Photograph 7.1.82). Hydrologically, the valley mire system extended southwest into the unsurveyed MoD danger area, with water flowing into the subsite from this area through a system of collects and small streams before dissipating within the mire (Sheet 3, Figure A7.1.147). In the northern half of the subsite there was a straight drain flowing to the northeast (Sheet 3, Figure A7.1.147). The eastern boundary of Folly Bog comprised the MoD track, raised above the mire surface, with the drain culverted beneath it. There were three grazing exclosures within the subsite, established by Surrey Wildlife Trust to monitor the effects of grazing (Groome and Shaw, 2015).
- 3.2.379 The vegetation of Folly Bog was complex, the patterning of plant communities varying from fine-scaled mosaics to larger more uniform stands. This complexity of vegetation indicated responses to a multiplicity of interacting factors, including: grazing and other disturbance; substrate (mineral soil versus peat, and peat depth);

microtopography of the mire surface (e.g. hummocks, pools) and of the landform; historic drainage; flows and levels of surface and groundwater; and local variations in water chemistry.

3.2.380 The edges of Folly Bog showed a transition from dry and wet heath to valley mire (Photograph 7.1.83). This transition was gradual to the south and west, but with increased topographic gradient this zoning was telescoped, with an abrupt transition at the base of the steep slope along the northern-western edge (Sheet 3, Figure A7.1.147; Sheet 7, Figure A7.1.150). The wet heath around the valley mire varied from coarse species-poor stands dominated by cross-leaved heath, heather and purple moor-grass, to richer open stands in disturbed areas. Such open stands of wet heath were present in the southwest (Photograph 7.1.84) and along the track adjacent to the MoD fence. There, common cottongrass, deergrass, lousewort and *Sphagnum compactum* were frequent, with carnation sedge, sundews and white beak-sedge (*Rhynchospora alba*) abundant in damper areas. Stands with the latter species were referred to M16c.

3.2.381 Within the mire, there were the following broad trends:

- rank species-poor vegetation dominated by bog myrtle and purple moor-grass;
- stands of black bog-rush (*Schoenus nigricans*);
- short open vegetation in pools and along runnels; and
- valley mire vegetation with a consolidated surface of *Sphagnum*, comprising the main body of the mire.

3.2.382 The former kind of vegetation, referred to M25a or the *ad hoc* unit 'Myrica gale-dominated vegetation', was present within the grazing enclosures, along the northern edge (Sheet 7, Figure A7.1.150; Photograph 7.1.85), along the drain in the northern half of the site, and on a narrow area of slightly elevated ground extending south to north across the middle of the valley mire. The ground along the drain was also slightly elevated, perhaps on spoil originating from its excavation. The condition of the vegetation around the drain could have been due to lack of management as this area appeared ungrazed, but artificial drainage could in addition cause fluctuations in water levels that might have favoured the development of dense tussocks of purple moor-grass and exclusion of *Sphagnum*.

3.2.383 Vegetation of dense black bog-rush was present in a large swath across the west and north of the valley mire, with a smaller long stand to the southeast, and other scattered stands (Sheet 7, Figure A7.1.150). Purple moor-grass was co-dominant and there was an open cover of the sub-shrubs bog myrtle, cross-leaved heath and heather. There were hummocks of *Sphagnum papillosum* in some areas, but smaller plants were mostly those able to grow on the sides of tussocks or hummocks, such as sundews (quadrats CB35, CB44, CB50 and CB52). There was some evidence of regeneration, with younger tussocks of black bog-rush scattered within the adjacent valley mire in places, but otherwise this vegetation was very sharply defined (Photograph 7.1.86). These stands were referred to M14, but they lacked some of the main constituents of this plant community, with basicolous mosses such as *Campyllum stellatum* and *Sphagnum inundatum* very rare. These stands likely picked out routes where flows of water through the peat body accumulate, the vegetation responding to increased aeration and concentration of

base cations. In some instances, this vegetation may also have marked the location of former drains.

- 3.2.384 The third component of the valley mire was spatially the most complex, forming small stands and finely-patterned mosaics along runnels and in depressions in the mire surface (Sheet 7, Figure A7.1.150). The most species-rich stands were around the collects in the southwest, where there was a sparsely vegetated zone on the unconsolidated saturated peat around the runnels (Photograph 7.1.87), characterised by abundant bog asphodel, bog pondweed, common cottongrass, many-stalked spikerush, marsh horsetail (*Equisetum palustre*), sundews and white beak-sedge, with small islands formed of hummocks of *Sphagnum papillosum* and wet mats of *S. denticulatum* and *S. cuspidatum* (quadrats CB46, CB47 and CB49). Similar vegetation occupied pools in the mire surface (quadrat CB41). These stands were referred to M2a.
- 3.2.385 The main body of valley mire vegetation was characterised by a surface of consolidated bog mosses. While all stands were referred to M21, this comprised quite heterogeneous vegetation intermediate between the wet heath and pool vegetation described above (Sheet 7, Figure A7.1.150; quadrats CB30 to CB34, CB36 to CB40, CB42, CB43, CB45, CB48, CB51 and CB55). Throughout were constant carnation sedge, bog asphodel, common cottongrass, cross-leaved heath, heather, purple moor-grass, round-leaved sundew and sharp-flowered rush, and frequent bog myrtle, early marsh-orchid (*Dactylorhiza incarnata* subsp. *pulchella*) and tormentil. Bog myrtle, cross-leaved heath and purple moor-grass dominated in under-grazed or drier areas to the exclusion of smaller species such as bog asphodel. The vegetation was richer where the cover of such bulky species was reduced, supporting species such as bog pimpernel (*Anagallis tenella*) and meadow thistle (*Cirsium dissectum*). The underlying surface of bog mosses was dominated by *Sphagnum papillosum* and *S. palustre*, often forming large firm hummocks, with *S. denticulatum* and *S. subnitens* frequently forming softer carpets around the vascular plants (Photograph 7.1.88). Wetter parts of the mire surface supported an abundance of white beak-sedge, referred to M21a.
- 3.2.386 Subsite 'Brentmoor Heath' – This subsite is part of unit 6 of Colony Bog and Bagshot Heath SSSI, known as Brentmoor Heath (Sheet 4, Figure A7.1.147; Sheets 8 to 10, Figure A7.1.150). The majority of Brentmoor Heath lay on higher ground outside of the subsite to the south. The very parched sandy substrate to the south supported dry dwarf shrub heath vegetation dominated by heather with few other associates, referred to H1a. The surveyed area largely comprised the lower-lying ground along the MoD access track, supporting wet heath, referred to M16a (Photograph 7.1.89).
- 3.2.387 The wet heath appeared to be under a rotational management, with several stages of development present. The most well-developed and richest stand was to the north of the track, dominated by cross-leaved heath and purple moor-grass, with constant deergrass, heather and *Sphagnum tenellum* (quadrats CB12 to CB14). Lichens were also locally abundant, with *Cladonia arbuscula* and *C. portentosa*. There was a pond in this area, the peat-stained water sparsely vegetated with bog pondweed (Photograph 7.1.90). To the southeast of the track was a very uniform species-poor stand, likely seeded or scraped as part of management, dominated by cross-leaved heath and heather with mats of *Hypnum jutlandicum* (Photograph 7.1.91; quadrat CB18). To the south of the track was a large species-poor stand dominated by

mature cross-leaved heath and large tussocks of purple moor-grass, with scattered scrub of silver birch and Scots pine (quadrats CB15 to CB17).

- 3.2.388 The constant disturbance along the track had maintained open conditions supporting a range of less competitive wet heath species not present in the adjacent, closed vegetation (Sheet 8, Figure A7.1.150). These included abundant round- and intermediate-leaved sundews and the liverwort *Solenostoma gracillimum* in the damp ruts, and abundant heath rush and lousewort.
- 3.2.389 Subsite 'Turf Hill' – This subsite comprised unit 5 of Colony Bog and Bagshot Heath SSSI, known as Turf Hill (Sheet 4, Figure A7.1.147; Sheets 8 to 10, Figure A7.1.150). Most of the unit comprised Scots pine plantation, with dry dwarf shrub heath along and to the south of the wayleave of the overhead powerlines across the unit, a small area of wet heath on low-lying ground at the eastern end and a larger area in a shallow valley to the north oriented southwest to northeast. There were extensive stands of scrub dominated by common gorse along footpaths (Photograph 7.1.92) and scattered through dry dwarf shrub heath.
- 3.2.390 The mown dry dwarf shrub heath along the wayleave of the overhead powerlines was similar floristically to the unmanaged vegetation to the south, dominated by heather with frequent bell heather, and abundant *Hypnum jutlandicum*, and frequent *Dicranum scoparium*, referred to H1a (quadrats CB4, CB5, CB7, CB8 and CB11). A small stand of mown dry dwarf shrub heath at the western end of the wayleave had abundant purple moor-grass, referred to H2c, though dwarf gorse was rare within this subsite (quadrat CB10). Lichens of the genus *Cladonia* were also abundant in the mown areas, e.g. *C. portentosa*, and saplings of Scots pine were abundant throughout (Photograph 7.1.93).
- 3.2.391 Wet heath was generally species-poor and unmanaged, dominated by cross-leaved heath and purple moor-grass, referred to M16a (Photographs 7.1.94, 7.1.95; quadrats CB1, CB2 and CB9). There was a richer, mown stand of wet heath at the eastern end of the wayleave, with abundant deergrass, heath-rush, round-leaved sundew and white beak-sedge, referred to M16c (Photograph 22; quadrat CB3).
- 3.2.392 **Flora:** A total of 283 plant taxa were recorded during the survey: two lichen species, 30 bryophyte species and 251 vascular plant taxa, comprising 245 species and three hybrids. A site list is provided in Table B26.
- 3.2.393 Thirty notable vascular plants were recorded, summarised in Table 3.84. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.151. Most of the notable plants recorded were typical of heathland habitats, and many were important components of the vegetation, e.g. bristle bent, cross-leaved heath, heather, and tormentil within dry dwarf shrub heath, wet heath and acid grassland. Many of the notable plants were wetland species, concentrated in Folly Bog, particularly around the collects in the southwestern part of valley mire. Among the more notable plants were royal fern (*Osmunda regalis*), with three stands in the southwest near the MoD fence, and the bog form of early marsh-orchid (*Dactylorhiza incarnata* subsp. *pulchella*), frequent throughout the grazed areas of valley mire. The county scarce species bog-myrtle, bog pimpernel, deergrass, many-stalked spike-rush, marsh thistle and white beak-sedge, and the county rare black bog-rush, were all frequent to dominant in suitable



places within the valley mire, as were most of the nationally Near Threatened or Vulnerable wetland species recorded, e.g. common cottongrass and cross-leaved heath.

3.2.394 Among the bryophytes, a diversity of *Sphagnum* mosses was found in Folly Bog, with ten recorded. While the bryophytes recorded are widespread nationally and common in many areas, in the southeast of England many are very localised, e.g. *S. inundatum* and *S. magellanicum*.

3.2.395 The Priority Species marsh clubmoss was searched for in suitable habitats within Folly Bog and elsewhere but was not found.

3.2.396 Two non-native bryophytes were recorded, the liverwort *Lophocolea semiteres* and the moss *Campylopus introflexus*, and nine archaeophyte and 38 neophyte vascular plants were recorded. *C. introflexus* was abundant on bare or disturbed heathland soils across the survey site, while *L. semiteres* was present as small populations in Scots pine plantation at Turf Hill. There were 14 invasive non-native vascular plants, summarised in Table 3.85. The locations of these plants are shown in Figure A7.1.152 and full records are provided in Table F1.

3.2.397 There was a concentration of invasive non-native plants along The Maultway road, likely to have originated from dumped garden waste. Here montbretia (*Crocosmia x crocosmiiflora*), steeplebush (*Spiraea douglasii*) and variegated yellow archangel (*Lamium galeobdolon* subsp. *argentatum*) were found in large invasive stands within woodland. Turf Hill supported a large population of shallon (*Gaultheria shallon*), with dense stands in Scots pine plantation along the northern boundary near to housing, also likely to have arisen from garden waste. Non-native plants invading open habitats were butterfly-bush (*Buddleja davidii*) along the edge of the track through unit 4 of the SSSI, and Juneberry (*Amelanchier lamarckii*) throughout many areas, likely spread by birds from nearby residential areas. Rhododendron was found occasionally within woodland and heathland habitats, with evidence of attempts to control its spread within the nature reserve.

Table 3.84: Summary of Notable Plants Recorded at Colony Bog and Bagshot Heath

Scientific Name	Common Name	Legal/ Conservation Status	Subsite/DAFOR					
			1	2	Brentmoor Heath	Folly Bog	Turf Hill	
Ferns and allies								
<i>Osmunda regalis</i>	Royal fern	VC17 Scarce	-	-	-	R	-	
Flowering plants								
<i>Agrostis curtisii</i>	Bristle bent	VC17 Scarce	LD	F	R	LF	R	
<i>Anagallis tenella</i>	Bog pimpernel	VC17 Scarce	-	-	-	LF	-	
<i>Calluna vulgaris</i>	Heather	Eng NT	F	D	A	F	D	
<i>Carex echinata</i>	Star sedge	Eng NT	-	-	-	R	-	
<i>Carex pulicaris</i>	Flea sedge	Eng NT, VC17 Rare	-	-	-	R	-	
<i>Cirsium dissectum</i>	Meadow thistle	VC17 Scarce	-	-	-	LF	-	



Scientific Name	Common Name	Legal/ Conservation Status	Subsite/DAFOR				
			1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	-	R	-	-	O
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	VC17 Scarce	-	-	-	O	-
<i>Dactylorhiza maculata</i>	Heath spotted-orchid	VC17 Scarce	-	R	-	-	-
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU, VC17 Scarce	-	-	LF	-	-
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	-	LF	-	F	R
<i>Eleocharis multicaulis</i>	Many-stalked spike-rush	VC17 Scarce	-	-	R	R	-
<i>Erica cinerea</i>	Bell heather	Eng NT	R	F	-	R	LF
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	-	LF	A	F	LF
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	-	LF	-	F- LD	LF
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	O	R	-	-	-
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC17 Rare	-	-	R	F- LA	-
<i>Nardus stricta</i>	Mat-grass	Eng NT	R	R	LF	-	-
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU, VC17 Scarce	-	LF	LF	F	-
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	R	-	-	R	-
<i>Potentilla erecta</i>	Tormentil	Eng NT	LF	LF	-	F	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	-	-	-	-
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC17 Scarce	-	-	-	LA	LA
<i>Salix repens</i>	Creeping willow	Eng NT	-	-	R	-	-
<i>Schoenus nigricans</i>	Black bog-rush	VC17 Rare	-	-	-	LD	-
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	R	-	-	LF	-
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	-	-	-	LA	LF
<i>Trifolium medium</i>	Zigzag clover	VC17 Scarce	-	-	R	-	-
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	O	O	-	R	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.85: Summary of Invasive Non-Native Plants Recorded at Colony Bog and Bagshot Heath

Scientific Name	Common Name	Legal Status	Subsite/DAFOR				
			1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Amelanchier lamarckii</i>	Juneberry	INNS	R	-	R	R	-
<i>Buddleja davidii</i>	Butterfly-bush	INNS	R	R	-	-	-
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	INNS	R	-	-	-	-
<i>Cotoneaster horizontalis</i>	Wall cotoneaster	Schedule 9	-	R	-	-	-

Scientific Name	Common Name	Legal Status	Subsite/DAFOR				
			1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Cotoneaster salicifolius</i>	Willow-leaved cotoneaster	INNS	R	-	-	-	-
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	L A	-	-	-	-
<i>Galega officinalis</i>	Goat's-rue	INNS	R	-	-	-	-
<i>Gaultheria shallon</i>	Shallon	Schedule 9	-	-	R	-	R
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	L A	-	-	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R	-	-	-	-
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	R	-	-	-	-
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	O	O	R	R	-
<i>Spiraea douglasii</i>	Steeplebush	INNS	L D	-	-	-	-
<i>Symphoricarpos albus</i>	Snowberry	INNS	R	-	-	-	-

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.398 **Value:** The Colony Bog and Bagshot Heath survey site supported a diversity of habitats, vegetation and flora:

- The site supported seven Priority Habitats and four Annex I Habitats, summarised in Table 3.86. Plans of Priority and Annex I Habitats are provided in Figure A7.1.148 and Figure A7.1.149.
- Ten of the 12 notified plant communities of Colony Bog and Bagshot Heath SSSI and a diversity of other plant communities were recorded.
- A total of 283 plant taxa, including 30 notable plants, were recorded.

3.2.399 The three qualifying Annex I Habitats of the SAC were identified following the supplementary advice on the conservation objectives of the SAC (Natural England, 2016). A small number of plant communities additional to those listed in Table 3.83 also constituted qualifying Annex I Habitats, listed in Table 3.86.

3.2.400 As a statutory designated site, Colony Bog and Bagshot Heath SSSI is of high biodiversity value. The survey site also comprised The Folly SNCI, of medium biodiversity value.

3.2.401 **Potential impacts:** Areas of Priority and Annex I Habitat within the Order Limits are provided in Table 3.56. Twelve notable plants were recorded within the Order Limits, summarised in Table 3.87 and shown in Figure A7.1.151.



- 3.2.402 Direct installation impacts to Colony Bog and Bagshot Heath SSSI would be within units 4, 5 and 9 of the SSSI. Unit 6 (subsite 'Brentmoor Heath') and Folly Bog would be avoided, and The Folly SNCI would also be avoided (Figure A7.1.138).
- 3.2.403 Installation within the area of unit 4 north and west of Folly Bog (subsite 2) would be by open cut. The pipe would be installed into the MoD access track through this area with access roads and working areas in adjacent dwarf shrub heath habitat, dense bracken and dense scrub (Sheets 2 and 3, Figure A7.1.147). This unit would be the only area where Lowland Heathland Priority Habitat and the Annex I Habitat 'European dry heaths' would be impacted (Figure A7.1.148 and Figure A7.1.149).
- 3.2.404 Nine notable plants were recorded along the route through unit 4 (Sheets 4 to 7, Figure A7.1.151; Table 3.87). Most of these were typical heathland species, widespread and abundant in suitable habitats across the site, and would likely regenerate readily following installation, e.g. dodder, heather and tormentil. The population of the Surrey Scarce heath spotted-orchid present along the MoD access track was rare within the survey site and is within the area that could be impacted by excavations. The seeds of orchids do not survive within the soil, so if this population were destroyed by installation works the species would be unlikely to regenerate in this location.
- 3.2.405 Installation within unit 5 (subsite 'Turf Hill') would be within coniferous plantation woodland (Sheet 4, Figure A7.1.147). Direct impacts to Annex I Habitats, notified features of the SSSI and notable plants recorded would therefore be avoided within this unit.
- 3.2.406 Installation within unit 9 (subsite 1) would be by open cut. The Order Limits within this unit comprise broadleaved semi-natural, coniferous and mixed plantation woodland, with smaller areas of acid grassland (Sheets 1 and 2, Figure A7.1.147).
- 3.2.407 This unit supports the largest areas of acid grassland within the Order Limits, located at the southern end of the route through the unit (Sheet 1, Figure A7.1.147). This acid grassland supports most of the notable plants recorded from this unit (Sheets 1 to 4, Figure A7.1.151; Table 3.87). Most of these were typical heathland species, widespread and abundant in suitable habitats across the site, and would likely regenerate readily following installation, e.g. bristle bent and heather. The England Near Threatened devil's-bit scabious present in this grassland was rare within the survey site and is within the area that could be impacted by excavations. The seeds of devil's-bit scabious do not survive within the soil and the species has limited potential for dispersal (Adams, 1955), so if this population were destroyed by installation works the species would be unlikely to regenerate in this location.

Table 3.86: Priority and Annex I Habitats Recorded at Colony Bog and Bagshot Heath

Habitat		Plant communities	Area (ha)	
			Survey Site	Order Limits
Priority Habitat	Lowland Dry Acid Grassland	U1, U3, U5	1.89	1.30
	Lowland Fens	M2, M3, M6, M14, M21, M25, M30	4.43	0.00
	Lowland Heathland	H1, H2, H3, M16, M25, W23	24.66	1.45
	Lowland Mixed Deciduous Woodland	W10	15.32	5.73

Habitat		Plant communities	Area (ha)	
			Survey Site	Order Limits
	Ponds	NA	0.03	0.00
	Purple Moor-grass and Rush Pastures	M25	0.71	0.19
	Wet Woodland	W4	0.25	0.01
Annex I Habitat	H4010 North Atlantic wet heaths with <i>Erica tetralix</i>	M16, M25	9.21	0.06
	H4030 European dry heaths	H1, H2, H3	16.30	1.40
	H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	M2, M6, M14, M16c, M21, M30	3.60	0.00
	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	W10	5.72	0.01

Table 3.87: Summary of Notable Plants Recorded Within the Order Limits at Colony Bog and Bagshot Heath

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR		
			1	2	Turf Hill
<i>Agrostis curtisii</i>	Bristle bent	VC17 Scarce	LD	A	-
<i>Calluna vulgaris</i>	Heather	Eng NT	F	D	-
<i>Cuscuta epithymum</i>	Dodder	GB VU, Eng VU	-	R	-
<i>Dactylorhiza maculata</i>	Heath spotted-orchid	VC17 Scarce	-	R	-
<i>Erica cinerea</i>	Bell heather	Eng NT	R	F	LF
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	-	LF	-
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	O	R	-
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	-	R	-
<i>Potentilla erecta</i>	Tormentil	Eng NT	LF	LF	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R	-	-
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	R	-	-
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	O	O	-

See Table 1.1 for Legal/Conservation Statuses

Halebourne (Section F)

Desk Study

3.2.408 Site description: The survey site comprised a series of small fields, large wooded boundaries and woodland along the Windle Brook/Halebourne, east of Lightwater (Figure A7.1.153). The Priority Habitat inventory shows Deciduous Woodland around the site (Figure A7.1.154). This habitat is not listed as a Priority Habitat but is included to cover habitat that is likely to be Priority Habitat but where there is uncertainty over the exact Priority Habitat. The survey site was divided into four subsites.

3.2.409 Survey scope: As there was limited information about this area, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.



Field Survey

- 3.2.410 **Limitations:** Background botanical records were not available to be used in the desk study or survey. It was not possible to access subsite 3 as land access permission could not be obtained at the time of the survey. Woodland to the north and northwest of the survey site was not accessed during the site visit as it was avoided by the route design at the time of the survey.
- 3.2.411 **Habitats:** Halebourne comprised a series of fields supporting improved, poor semi-improved and marshy grassland (Target Notes 2 and 5), with boundary hedgerows and stands of broadleaved semi-natural woodland (Target Notes 1, 3 and 4). A Phase 1 habitat plan is provided in Figure A7.1.155 and target notes are provided in Table C14.
- 3.2.412 Stands of broadleaved semi-natural woodland shown in Figure A7.1.155 to the north and northwest of the survey site were not accessed during the survey.
- 3.2.413 **Flora:** A total of 187 plant taxa were recorded during the survey: five bryophyte species and 182 vascular plant taxa, comprising 175 species and five hybrids. A site list is provided in Table B27.
- 3.2.414 Six notable vascular plants were recorded, summarised in Table 3.88. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.158.
- 3.2.415 Twelve archaeophyte and 16 neophyte vascular plant taxa were recorded, including one invasive non-native vascular plants, summarised in Table 3.89. The locations of these plants are shown in Figure A7.1.159 and full records are provided in Table F1.

Table 3.88: Summary of Notable Plants Recorded at Halebourne

Scientific Name	Common Name	Legal/Conservation Status	DAFOR		
			1	2	4
<i>Cruciata laevipes</i>	Crosswort	Eng NT	LA	LF	-
<i>Mentha arvensis</i>	Corn mint	Eng NT	-	-	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	O	R	-
<i>Samolus valerandi</i>	Brookweed	VC17 Rare	-	-	R
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	O	-	-
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	R	R	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.89: Summary of Invasive Non-Native Plants Recorded at Halebourne

Scientific Name	Common Name	Legal/Conservation Status	DAFOR		
			1	2	4
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	LD	LA	LA

See Table 1.1 for Legal/Conservation Statuses



Evaluation

- 3.2.416 **Value:** The Haleborne survey site supported three Priority Habitats and one Annex I Habitat, summarised in Table 3.90. Plans of Priority and Annex I Habitat are provided in Figure A7.1.156 and Figure A7.1.157.
- 3.2.417 The survey site also supported Hedgerows Priority Habitat.
- 3.2.418 Lowland Mixed Deciduous Woodland and Wet Woodland Priority Habitats were not accessed during the survey. As Priority Habitats they are of medium biodiversity value.
- 3.2.419 Non-Priority Habitats within the survey site comprised improved grassland and other modified habitats. Improved grassland within subsites 1 and 2 supported the notable plants lesser spearwort, marsh ragwort and ragged-robin, and stands of this habitat are therefore of low biodiversity value. Other habitats are of negligible biodiversity value.
- 3.2.420 **Potential impacts:** Areas of Priority and Annex I Habitat within the Order Limits are provided in Table 3.90. Two notable plants were recorded within the Order Limits, summarised in Table 3.91 and shown in Figure A7.1.158.

Table 3.90: Priority and Annex I Habitat Recorded at Halebourne

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	1,428m	0m
	Lowland Mixed Deciduous woodland	2.44ha	0.13ha
	Wet Woodland	2.60ha	0.39ha
Annex I Habitat	H91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)*	2.38ha	0.39ha

Annex I Habitats Marked with an Asterisk (*) are Priority Annex I Habitats

Table 3.91: Summary of Notable Plants Recorded Within the Order Limits at Halebourne

Scientific Name	Common Name	Legal/Conservation Status	DAFOR		
			1	2	4
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	O	-	-
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	R	-	-

See Table 1.1 for Legal/Conservation Statuses

Chobham Common (Section F)

Desk Study

- 3.2.421 **Site description:** The survey site comprised parts of units 17, 19, 20, 21, 22 and 23 of Chobham Common SSSI, and woodland within Monk's Walk North & West (including M3 Exchange Land) SNCI to the east (Figure A7.1.160). The survey site comprised a strip, approximately 200m north and south of a broad track, oriented southwest to northeast and approximately 2.5km in length.



3.2.422 The SSSI is an extensive area of open land supporting dry and wet heath, valley mire, scrub and woodland, and forms one of the largest surviving heathlands in the Thames Basin (Natural England, 2018d). The site is managed by Surrey Wildlife Trust.

3.2.423 The following plant communities are notified features of the SSSI:

- H2 *Calluna vulgaris-Ulex minor* heath;
- H3 *Ulex minor-Agrostis curtisii* heath;
- M16 *Erica tetralix-Sphagnum compactum* wet heath;
- M21 *Narthecium ossifragum-Sphagnum papillosum* mire;
- W4 *Betula pubescens-Molinia caerulea* woodland; and
- W5 *Alnus glutinosa-Carex paniculata* woodland.

3.2.424 The SSSI supports a rich variety of heathland plants, including many which are nationally or locally rare or scarce. The dry dwarf shrub heath and acidic grassland complexes support heather, bell heather, dwarf gorse and bristle bent. Wet heath is dominated by cross-leaved heath and purple moor-grass. Valley mire supports sundews, bog asphodel, common cotton grass, bog pimpernel and heath spotted orchid. Several rare Surrey species also occur in valley mires, including hare's tail cotton grass (*Eriophorum vaginatum*), bogbean (*Menyanthes trifoliata*), royal fern, marsh gentian (*Gentiana pneumonanthe*) and marsh clubmoss. Marsh gentian and marsh clubmoss are nationally scarce and Priority Species. Silver birch and Scots pine have invaded large areas of dry dwarf shrub heath, and areas of more mature semi-natural woodland contain pedunculate oak. There are also several areas of standing water on Chobham Common. Background habitat data are shown in Figure A7.1.161.

3.2.425 Chobham Common SSSI is also a National Nature Reserve and a component site of the Thursley, Ash, Pirbright and Chobham SAC and the Thames Basin Heaths SPA. The qualifying Annex I Habitats of the SAC and component plant communities are summarised in Table 3.92.

Table 3.92: Qualifying Features and Component Plant Communities of Thursley, Ash, Pirbright and Chobham SAC

Qualifying Habitat	Component Plant Communities (Natural England, 2016)
H4010 North Atlantic wet heaths with <i>Erica tetralix</i>	M16, M25
H4030 European dry heaths	H1, H2
H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	M1, M2, M6, M14, M21

3.2.426 **Survey scope:** To assess the impact of the project on the designated habitats and vascular plant assemblages of the SSSI, qualifying features of the SAC and habitats supporting the faunal interest of the site, the desk study identified the need for detailed botanical and vegetation survey of areas of the SSSI that could be impacted by the project. Impacts considered included indirect impacts such as changes to air quality or hydrology/hydrogeology.



Field Survey

- 3.2.427 **Limitations:** Background botanical records were not available to be used in the desk study or survey. No other limitations were encountered.
- 3.2.428 **Habitats and vegetation:** Plans of Phase 1 habitats and vegetation are provided in Figure A7.1.162 and Figure A7.1.165, respectively. A total of 59 quadrats were recorded from the site, provided in Table H11, Table H12 and Table H13. The locations of quadrats are shown in Figure A7.1.165.
- 3.2.429 Although the surveyed area was large, its vegetation was uniform and limited in diversity, dominated by large stands of dry dwarf shrub heath (Photograph 7.1.106). Wet heath occurred in a series of valleys, with the associated zoning of vegetation between the high and low ground forming a pattern repeated across each valley. Stands of semi-natural woodland were present at the east and western extremities of the survey site, and around the scrapyard, with smaller younger stands scattered elsewhere. There were also large peripheral stands of Scots pine plantation, with smaller stands within the survey site. Scrub dominated by common gorse was frequent across the survey site, concentrated along tracks or footpaths. The track across the survey site comprised bare sandy or gravelly substrate with narrow flanking strips of acid grassland or shortly mown dry dwarf shrub heath (Photograph 7.1.107 and 7.1.111).
- 3.2.430 Dry dwarf shrub heath was dominated by heather, with different communities of associates relating to successional stage and management, and likely also to substrate. The most species-poor stands occupied sandy ground at higher elevations, referred to H1 (Photograph 7.1.108; quadrats C12, C16, C38 and C41). The poorest stands were where the heather was mature or degenerate, referred to the species-poor sub-community H1e. Vascular plant associates were very few, in some areas with abundant common gorse and Scots pine or silver birch saplings, and there was an understorey to the heather dominated by the moss *Hypnum jutlandicum*.
- 3.2.431 More extensive were stands of dry dwarf shrub heath dominated by heather with constant cross-leaved heath and purple moor-grass at varying abundances. Dwarf gorse was occasional to rare, most frequent along footpaths and other disturbed areas. This kind of heath vegetation predominated across the survey site, absent only from the lower-lying valley bottoms, where it gave way to wet heath, and the driest areas, supporting H1. Within many stands, management had created a complex pattern of regenerating heath, with abundant cross-leaved heath or strips dominated by pure stands of purple moor-grass, the latter referred to the *ad hoc* unit 'Molinia-dominated vegetation'. Similar monocultures of purple moor-grass were found in areas cleared of trees, such as the large area at the western end of the survey site. Most stands of dry dwarf shrub heath characterised by mixtures of cross-leaved heath, heather and purple moor-grass were referred to H2c (Photograph 7.1.109; quadrats C10, C11, C20, C21, C24, C28 to C30, C44 to C46, C55 to C57), but bristle bent was abundant in some stands of dry dwarf shrub heath, such as those to the east of the scrapyard and in small mown stands along the track. Such stands were referred to H3a (Photograph 7.1.110; quadrats C13, C15, C19, C22, C23, C42, C43). Bristle bent was also abundant to dominant in acid grassland



and shortly mown heath along the mown edges of the track (Photographs 7.1.110 and 7.1.111; quadrats C8 and C9).

- 3.2.432 Wet heath was present in a series of interconnected valleys draining toward the lower-lying ground to the southeast (Sheets 3 to 5, Figure A7.1.165). The track crossed three of these valleys on raised embankments, with ponds formed on the upstream (northwestern) side. A small shallow valley in the centre of the survey site converged northeast to southwest onto one of the larger valleys, and there was a large area of low-lying ground supporting wet heath toward the eastern end of the survey site, to the south of the track. The western and eastern valleys were long, extending northwest beyond the survey site, while the central valley had a shallow trough-like topography with the head to the northwest of the track and open to the southeast.
- 3.2.433 The valley bottoms of most of the valleys were species-poor, dominated by large tussocks of purple moor-grass with scattered cross-leaved heath and heather, referred to M25a (Photographs 7.1.113 and 7.1.114; quadrats C2 and C7). The pattern of dominance switched on the sides of the valleys, with cross-leaved heath attaining co-dominance, with constant deergrass and patches of *Sphagnum*, referred to M16a (Photograph 7.1.115; quadrats C6, C32 to C37, C39 and C53). In the zone above there was a switch to dry dwarf shrub heath dominated by heather, described above (Sheet 5, Figure A7.1.165; quadrats C2 and C38 to C41 illustrate a transect of the zonation across the eastern-most valley).
- 3.2.434 The richest stand of wet heath was present in the central valley, northwest of the track (Sheet 3, Figure A7.1.165; Photograph 7.1.116). The short, open vegetation supported abundant deergrass with constant *Sphagnum tenellum* and patches of *S. compactum* (quadrats C33 to C37). A zone of wet heath vegetation at the edge of the pond within this valley had a more open cover with bulbous rush, many-stalked spikerush and white beak-sedge, referred to M16c (Photograph 7.1.119; quadrats C31 and C50). Small stands of similar vegetation were present elsewhere in disturbed areas of wet heath.
- 3.2.435 The western valley differed from the general trend (Sheet 3, Figure A7.1.165). Upstream of the embankment of the track was very rank vegetation dominated by tussocks of purple moor-grass and dense stands of sharp-flowered and soft rushes, with constant common cottongrass, frequent common sedge (*Carex nigra*) and star sedge, and loose wet carpets of *Sphagnum*, mostly *S. fallax* (Photograph 7.1.117; quadrats C3 to C5). Referred to M6c and M6d according to the relative dominance of rush species, this vegetation had likely formed by storage of surface water against the track embankment. There were several ponds in and around this area, vegetated with bog pondweed and bulbous rush, and marginal stands of rushes, common cottongrass and patches of *S. cuspidatum*, *S. denticulatum* or *S. fallax* (Photographs 7.1.118). Similar vegetation occupied ponded areas elsewhere (Photograph 7.1.120; quadrats C1, C47 to C49). Downstream was a second dam and standing water, with marginal vegetation dominated by dense soft rush.
- 3.2.436 Semi-natural woodland within the survey site was largely secondary, dominated by self-seeded Scots pine and silver birch. Better developed stands of woodland were present in the western part of the survey site around the scrapyard and along the western boundary (Sheets 1 and 2, Figure A7.1.165), and at the eastern end of the

survey site (Sheet 5, Figure A7.1.165). To the east of the scrapyard (Sheet 2, Figure A7.1.165) was mature woodland dominated by pedunculate oak and silver birch, a shrub layer of climbing honeysuckle, and an understorey dominated by low-growing bramble and stands of bracken, referred to W10a (quadrat C26). Similar woodland was present along the western boundary, but this was not surveyed (Sheet 1, Figure A7.1.165). To the south of the scrapyard was a narrow-wooded valley, the bottom of which supported damper woodland, dominated by downy birch with a ground layer dominated by purple moor-grass, with abundant bramble and Yorkshire fog, referred to W4a (quadrat C27). A younger stand of silver birch-dominated woodland with a poorer ground flora was present to the west, also referred to W4a (quadrat C25).

- 3.2.437 At the eastern end of the survey site was a small stand of wet woodland along a shallow valley (Sheet 5, Figure A7.1.165), dominated by alder and downy birch and its hybrid with silver birch (*Betula x aurata*). To the north of the track the understorey was sparsely vegetated, with remote sedge, soft rush, tall herbs such as yellow iris and bryophytes such as *Aneura pinguis* among the bare damp ground (quadrat C18). To the south of the track there had been recent tree clearance of this wet woodland.
- 3.2.438 To the northeast was a stand of dry woodland dominated by sweet chestnut with occasional beech, Scots pine, silver birch and Turkey oak (*Quercus cerris*), referred to W16a (Sheet 5, Figure A7.1.165; quadrat C17). There was a thick litter layer with little ground flora, but there were extensive patches of bryophytes such as *Leucobryum glaucum* on the bases of trees and on banks.
- 3.2.439 **Flora:** A total of 170 plant taxa were recorded during the survey: two lichen species, 25 bryophyte species and 141 vascular plant taxa, comprising 137 species and one hybrid. A site list is provided in Table B28.
- 3.2.440 Nineteen notable vascular plants were recorded, summarised in Table 3.93. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.166. Most of the notable plants recorded were typical of heathland habitats, and many were important components of the vegetation, e.g. bristle bent, cross-leaved heath and heather within dry dwarf shrub heath, wet heath and acid grassland. Most notable plants were very localised, found in damper habitats, while most of the survey site was uniform and species-poor. A small number of notable species were associated with disturbance along the track, e.g. the annual species common cudweed and small cudweed (*Filago minima*). There was a stand of the locally scarce common wintergreen under pine trees at the eastern end of the track. Generally, the track was richer in species than the adjacent heathland, supporting a variety of non-notable heathland species requiring disturbance to regenerate, e.g. heath rush, and small pioneer species such as common centaury and lesser centaury.
- 3.2.441 One non-native bryophyte was recorded, the moss *Campylopus introflexus*, and five neophyte vascular plant species were recorded. *C. introflexus* was in bare or disturbed heathland soils across the survey site. Two invasive non-native vascular plants were recorded, summarised in Table 3.94. The locations of invasive non-native plants are shown in Figure A7.1.167 and full records are provided in Table F1.

Table 3.93: Summary of Notable Plants Recorded at Chobham Common

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Agrostis curtisii</i>	Bristle bent	VC17 Scarce	F-LD
<i>Calluna vulgaris</i>	Heather	Eng NT	D
<i>Carex echinata</i>	Star sedge	Eng NT	R
<i>Cirsium dissectum</i>	Meadow thistle	VC17 Scarce	R
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	R
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU, VC17 Scarce	LF
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	LF
<i>Eleocharis multicaulis</i>	Many-stalked spike-rush	VC17 Scarce	LA
<i>Eleogiton fluitans</i>	Floating club-rush	VC17 Scarce	LA
<i>Erica cinerea</i>	Bell heather	Eng NT	F
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	F-LA
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	LA
<i>Filago minima</i>	Small cudweed	Eng NT	R
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	R
<i>Potentilla erecta</i>	Tormentil	Eng NT	R
<i>Pyrola minor</i>	Common wintergreen	Eng NT, VC17 Scarce	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC17 Scarce	LF
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	LA

See Table 1.1 for Legal/Conservation Statuses

Table 3.94: Summary of Invasive Non-Native Plants Recorded at Chobham Common

Scientific Name	Common Name	Legal Status	DAFOR
<i>Crocasmia x crocosmiiflora</i>	Montbretia	Schedule 9	R
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.442 **Value:** The Chobham Common survey site supported a diversity of habitats, vegetation and flora:

- The site supported six Priority Habitats and four Annex I Habitats, summarised in Table 3.95. Plans of Priority and Annex I Habitats are provided in Figure A7.1.163 and Figure A7.1.164.
- Five of the six notified plant communities of Chobham Common SSSI and a diversity of other plant communities were recorded.
- A total of 170 plant taxa, including 19 notable plants, were recorded.

3.2.443 The three qualifying Annex I Habitats of the Thursley, Ash, Pirbright and Chobham SAC were identified following the supplementary advice on the conservation objectives of the SAC (Natural England, 2016). A small number of plant communities additional to those listed in Table 3.83 also constituted qualifying Annex I Habitat, listed in Table 3.95.



- 3.2.444 As a statutory designated site, Chobham Common SSSI is of high biodiversity value. The survey site also comprised Monk's Walk North & West (including M3 Exchange Land) SNCI, of medium biodiversity value.
- 3.2.445 **Potential impacts:** Areas of Priority and Annex I Habitat within the Order Limits are provided in Table 3.95. Ten notable plants were recorded within the Order Limits, summarised in Table 3.96 and shown in Figure A7.1.166.
- 3.2.446 The route across Chobham Common would largely be installed by open cut, with working areas, access roads and pipeline installation within or adjacent to the track southwest to northeast across the site (Figure A7.1.160). The pipeline would be installed across the three valleys supporting wet heath and other wetland habitats by trenchless methods. Above-ground activities in these areas would comprise vehicle movements and pipeline stringing out areas only, confined to the existing track across the site.
- 3.2.447 Habitats that would be directly impacted by installation works comprise acid grassland, dry dwarf shrub heath, dense scrub, broadleaved semi-natural woodland and coniferous plantation woodland (Figure A7.1.162). Wet heath and valley mire within the Order Limits, including the Annex I Habitats 'Depressions on peat substrates of the *Rhynchosporion*' and 'North Atlantic wet heaths with *Erica tetralix*', would be avoided due to the adoption of trenchless installation methods in areas supporting these habitats (Figure A7.1.164). Direct habitat loss within the Order Limits would therefore be avoided.
- 3.2.448 Populations of most of the notable plants recorded from the site would not be directly impacted by installation due to the adoption of trenchless methods (Figure A7.1.166). Those that could be impacted such as bell heather, bristle bent and heather, are frequent to dominant across the site and would regenerate readily following the works.
- 3.2.449 The Surrey Scarce and England Near Threatened common wintergreen could be impacted by works. A population of this species is located toward the northeastern end of the route through the site, at the edge of the track beneath Scots pine (Sheet 2, Figure A7.1.166).

Table 3.95: Priority and Annex I Habitats Recorded at Chobham Common

Habitat		Plant Communities	Area (ha)	
			Survey Site	Order Limits
Priority Habitat	Lowland Dry Acid Grassland	U3	1.17	0.70
	Lowland Fens	M1, M6	0.31	0.10
	Lowland Heathland	H1, H2, H3, M16, M25	44.81	7.31
	Lowland Mixed Deciduous Woodland	W4, W10, W16	9.71	3.35
	Ponds	NA	0.36	0.03
	Wet Woodland	W1, W4	0.82	0.22
Annex I Habitat	H4010 North Atlantic wet heaths with <i>Erica tetralix</i>	M16, M25	14.26	1.07
	H4030 European dry heaths	H1, H2, H3, U20	30.43	6.22
	H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	M1, M6, M16c, M30	0.44	0.12



Habitat	Plant Communities	Area (ha)	
		Survey Site	Order Limits
H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	W10, W16	4.64	1.89

Table 3.96: Summary of Notable Plants Recorded Within the Order Limits at Chobham Common

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Agrostis curtisii</i>	Bristle bent	VC17 Scarce	F-LD
<i>Carex echinata</i>	Star sedge	Eng NT	R
<i>Calluna vulgaris</i>	Heather	Eng NT	D
<i>Cuscuta epithymum</i>	Dodder	GB VU, Eng VU	R
<i>Erica cinerea</i>	Bell heather	Eng NT	F
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	F-LA
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	LA
<i>Filago minima</i>	Small cudweed	Eng NT	R
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	R
<i>Potentilla erecta</i>	Tormentil	Eng NT	R
<i>Pyrola minor</i>	Common wintergreen	VC17 Scarce, Eng NT	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	R

Foxhills Golf Course (Section F)

Desk Study

3.2.450 **Site description:** The survey site comprised the area of Foxhills Golf Course within approximately 100m of the route (Figure A7.1.168). The site is not designated. The Priority Habitat inventory shows Deciduous Woodland around the site (Figure A7.1.169). This habitat is not listed as a Priority Habitat but is included to cover habitat that is likely to be Priority Habitat but where there is uncertainty over the exact Priority Habitat.

3.2.451 **Survey scope:** The Foxhills Golf Course is a large site on former parkland and small areas of semi-natural habitat could be present. The desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.452 **Limitations:** Background botanical records were not available to be used in the desk study or survey. No other limitations were encountered.

3.2.453 **Habitats:** Foxhills Golf Course largely comprised amenity grassland, coniferous plantation woodland of Scots pine and broadleaved semi-natural woodland. There were small areas of rough grassland supporting semi-improved acid grassland, marshy grassland and dry dwarf shrub-heath, and several ponds. A Phase 1 habitat plan is provided in Figure A7.1.170 and detailed target notes are provided in Table C15.

3.2.454 The most species-rich semi-natural habitats were in the centre of the survey site, in two areas associated with groundwater seepage. The larger area was on a slope above a small stream, comprising purple moor-grass and rush-dominated



grassland, and a small area of dwarf shrub heath (Target Note 1). Associated species comprised frequent greater bird's-foot-trefoil, green-ribbed sedge (*Carex binervis*), marsh thistle, pill sedge (*Carex pilulifera*), tormentil. There was a small spring drained by a ditch to the northeast, which supported abundant bryophytes such as the mosses *Calliergonella cuspidata* and *Sphagnum palustre*, and small vascular plants such as bog pimpernel and common yellow sedge (Target Note 2).

- 3.2.455 Small areas of semi-improved acid grassland were found rarely in the roughs bordering the golf course (e.g. Target Note 3). These were dominated by coarse grasses such as red fescue, sweet vernal-grass and Yorkshire fog, and were species-poor, with indicators of acid grassland such as heather, sheep's-sorrel and heath groundsel.
- 3.2.456 A total of 11 ponds were identified across the golf course. Most supported species-poor vegetation of tall emergent species such as common reed (*Phragmites australis*), common spike-rush (*Eleocharis palustris*) and reedmace (*Typha latifolia*), but some supported a diversity of wetland and aquatic species such as such as blinks (*Montia fontana*), bristle club-rush (*Isolepis setacea*), ivy-leaved water-crowfoot (*Ranunculus hederaceus*), lesser spearwort, marsh pennywort and round-leaved water-crowfoot (*Ranunculus omiophyllus*) (Target Notes 4 and 5).
- 3.2.457 Broadleaved woodland was present around the boundary of the site (Target Note 6), as a large stand in the centre of the site and as smaller stands around the golf course. The peripheral stands comprised mature woodland, dominated by pedunculate oak with an understorey of bramble, hazel, holly and locally bracken. Most stands around the golf course were dominated by silver birch, in some areas with an understorey of dense rhododendron.
- 3.2.458 **Flora:** A total of 226 plant taxa were recorded during the survey: 13 bryophyte species and 213 vascular plant taxa, comprising 203 species and five hybrids. A site list is provided in Table B29.
- 3.2.459 Eleven notable vascular plants were recorded, summarised in Table 3.97. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.173.
- 3.2.460 Ten archaeophyte and 24 neophyte vascular plant taxa were recorded, including four invasive non-native vascular plants, summarised in Table 3.98. The locations of all invasive non-native plants are shown in Figure A7.1.174 and full records are provided in Table F1.

Table 3.97: Summary of Notable Plants Recorded at Foxhills Golf Course

Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Anagallis tenella</i>	Bog pimpernel	VC17 Scarce	LA
<i>Callitriche brutia</i> subsp. <i>hamulata</i>	Intermediate water-starwort	VC17 Scarce	R
<i>Calluna vulgaris</i>	Heather	Eng NT	LD
<i>Erica cinerea</i>	Bell heather	Eng NT	R
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	R
<i>Isolepis setacea</i>	Bristle club-rush	VC17 Scarce	R
<i>Potamogeton pusillus</i>	Lesser pondweed	VC17 Scarce	R



Scientific Name	Common Name	Legal/Conservation Status	DAFOR
<i>Potentilla erecta</i>	Tormentil	Eng NT	LF
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	LF
<i>Typha angustifolia</i>	Lesser bulrush	VC17 Scarce	R
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	O

See Table 1.1 for Legal/Conservation Statuses

Table 3.98: Summary of Invasive Non-Native Plants Recorded at Foxhills Golf Course

Scientific Name	Common Name	Legal Status	DAFOR
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	LD
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	LA
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	O
<i>Rosa rugosa</i>	Japanese rose	Schedule 9	R

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.461 **Value:** The Foxhills Golf Course survey site supported five Priority Habitats and one Annex I Habitat, summarised in Table 3.99. Plans of Priority and Annex I Habitats are provided in Figure A7.1.171 and Figure A7.1.172.

3.2.462 Stands of Lowland Dry Acid Grassland were small, species-poor and largely semi-improved (e.g. Target Note 2). They are of low biodiversity value.

3.2.463 Lowland Mixed Deciduous Woodland Priority Habitat included stands the Annex I Habitat 'Old acidophilous oak woods with *Quercus robur* on sandy plains', (e.g. Target Note 6). This Annex I Habitat is frequent in the southeast of England (JNCC, 2009), and stands of this habitat and other stands of Lowland Mixed Deciduous Woodland are of medium biodiversity value.

3.2.464 Lowland Heathland, Purple Moor-grass and Rush Pastures and Ponds Priority Habitats are of medium biodiversity value.

3.2.465 Non-Priority Habitats within the survey site comprised amenity grassland and other artificial habitats and are of negligible biodiversity value.

3.2.466 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.99. One notable plant were recorded within the Order Limits, summarised in Table 3.100 and shown in Figure A7.1.173.

Table 3.99: Priority Habitat Recorded at Foxhills Golf Course

Habitat	Area (ha)		
	Survey Site	Order Limits	
Priority Habitat	Lowland Dry Acid Grassland	0.21	0.15
	Lowland Heathland	0.04	0.00
	Lowland Mixed Deciduous woodland	16.67	1.48
	Ponds	0.37	0.00
	Purple Moor-grass and Rush Pastures	0.34	0.00



Habitat		Area (ha)	
		Survey Site	Order Limits
Annex I Habitat	H9190 Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	12.74	0.58

Table 3.100: Summary of Notable Plants Recorded Within the Order Limits at Foxhills Golf Course

Scientific Name	Common Name	Legal Status	DAFOR
<i>Potentilla erecta</i>	Tormentil	Eng NT	LF
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	LF
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	O

See Table 1.1 for Legal/Conservation Statuses

Addlestone Moor (Section G)

Desk Study

3.2.467 **Site description:** The survey site comprised Pannells Farm SNCI and an undesignated area to west, adjacent to the M25 motorway (Figure A7.1.175). The site was divided into two subsites.

3.2.468 Limited information was available for the survey site. The SNCI is noted as supporting wet grassland and a pond. The Priority Habitat inventory shows Deciduous Woodland around the site (Figure A7.1.176). This habitat is not listed as a Priority Habitat but is included to cover habitat that is likely to be Priority Habitat but where there is uncertainty over the exact Priority Habitat.

3.2.469 **Survey scope:** To assess the impact of the project on the SNCI, the desk study identified the need for botanical and habitat survey to determine the biodiversity value of the site.

Field Survey

3.2.470 **Limitations:** Background botanical records were not available to be used in the desk study or survey. No other limitations were encountered.

3.2.471 **Habitats:** Addlestone Moor comprised improved and poor-semi-improved grassland, semi-improved neutral grassland, marshy grassland dense bracken, tall-ruderal vegetation, dense scrub and broadleaved woodland. A Phase 1 habitat plan is provided in Figure A7.1.177 and detailed target notes are provided in Table C16.

3.2.472 Pannells Farm SNCI (subsite 2) comprised seven small fields enclosed by large wooded boundaries dominated by alder, pedunculate oak or alder. The central field (Target Note 1) was ungrazed and overgrown with dense soft rush with an understorey of creeping buttercup and the grasses creeping bent, rough meadow-grass, tufted hair-grass and Yorkshire fog, tall herbs such as frequent common nettle, greater bird's-foot-trefoil and marsh thistle. This vegetation was referred to M23b.

3.2.473 The other fields within the SNCI were also damp but were grazed and grass-dominated, with limited species diversity. The western field was heavily grazed,



comprising improved grassland dominated by perennial rye-grass with abundant ragwort. The other fields (Target notes 3 and 4) comprised poor semi-improved grassland, dominated by combinations of the grasses creeping bent (*Agrostis stolonifera*), rough meadow-grass, sweet vernal-grass, tufted hair-grass, velvet bent (*Agrostis canina*) and Yorkshire fog, with abundant floating sweet-grass and marsh foxtail (*Alopecurus geniculatus*) in disturbed areas. Damper areas had abundant rushes and sedges, with soft rush, sharp-flowered rush, common sedge, hairy sedge (*Carex hirta*) and oval sedge (*C. leporina*).

3.2.474 A central area of the SNCI was dominated by secondary woodland dominated by silver birch, with a dense understorey of bramble and grey willow and a ground flora dominated by common nettle with abundant cleavers and frequent broad buckler-fern. There were stands of mature alder-dominated woodland along the cycle path at the eastern boundary of the site and along the northern boundary of the site (Target Note 5).

3.2.475 The undesignated area of the survey site to the west of the SNCI (subsite 1) comprised abandoned pasture, and an area of woodland on made ground to the west. The former area was predominantly poor semi-improved grassland dominated by false oat-grass, short semi-improved neutral grassland grazed by rabbits and dense scrub dominated by bramble and hawthorn. Areas which were heavily disturbed by rabbits and human foot traffic were rich in small species of open conditions on dry sandy soils (Target Note 6), such as the annuals early hair-grass (*Aira praecox*), bird's-foot and little mouse-ear, short perennials such as lesser hawkbit (*Leontodon saxatile*), sheep's sorrel and stork's-bill, and bryophytes such as *Brachythecium albicans* and *Polytrichum juniperinum*. The woodland to the west (Target Note 7) was dominated by sycamore, with large oak trees along a former field boundary and bank, and an understorey of dense rhododendron and common nettle.

3.2.476 **Flora:** A total of 200 plant taxa were recorded during the survey: four bryophyte species and 196 vascular plant taxa, comprising 186 species and three hybrids. A site list is provided in Table B30.

3.2.477 Five notable vascular plants were recorded, summarised in Table 3.101. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.180.

3.2.478 Fifteen archaeophyte and 18 neophyte vascular plant taxa were recorded, including four invasive non-native vascular plants, summarised in Table 3.102. The locations of all invasive non-native plants are shown in Figure A7.1.181 and full records are provided in Table F1.

Table 3.101: Summary of Notable Plants Recorded at Addlestone Moor

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			1	2
<i>Cephalanthera damasonium</i>	White helleborine	Eng VU, GB VU, S41	-	R
<i>Poa humilis</i>	Spreading meadow-grass	VC17 Rare	-	R
<i>Potentilla anglica</i>	Trailing tormentil	VC17 Scarce	-	R



Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			1	2
<i>Potentilla erecta</i>	Tormentil	Eng NT	-	R
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	-	R

See Table 1.1 for Legal/Conservation Statuses

Table 3.102: Summary of Invasive Non-Native Plants Recorded at Addlestone Moor

Scientific Name	Common Name	Legal Status	Subsite/ DAFOR	
			1	2
<i>Buddleja davidii</i>	Butterfly-bush	INNS	-	R
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	-	R
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R	-
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	LD	-
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	-	LD

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.479 **Value:** The Addlestone Moor survey site supported four Priority Habitats and one Annex I Habitat, summarised in Table 3.103. Plans of Priority and Annex I Habitat are provided in Figure A7.1.178 and Figure A7.1.179.

3.2.480 As a non-statutory designated site, Pannells Farm SNCI is of medium biodiversity value. The undesignated area of the survey site to the west (subsite 1) supported Lowland Mixed Deciduous Woodland Priority Habitat (Target Note 7). This woodland comprised secondary recent woodland with a species-poor ground flora and is of low biodiversity value. Non-Priority Habitats within this area are of negligible biodiversity value.

3.2.481 **Potential impacts:** Areas of Priority and Annex I Habitats within the Order Limits are provided in Table 3.103. One notable plant was recorded within the Order Limits, summarised in Table 3.104 and shown in Figure A7.1.180.

Table 3.103: Priority Habitat Recorded at Addlestone Moor

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	624m	175m
	Lowland Dry Acid Grassland	0.10ha	0.00ha
	Lowland Mixed Deciduous woodland	3.01ha	0.04ha
	Purple Moor-grass and Rush Pastures	1.09ha	0.00ha
	Wet Woodland	2.90ha	0.22ha
Annex I Habitat	H91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)*	1.72ha	0.22ha

Annex I Habitats Marked with an Asterisk (*) are Priority Annex I Habitats



Table 3.104: Summary of Notable Plants Recorded Within the Order Limits at Addlestone Moor

Scientific Name	Common Name	Legal Status	Subsite/DAFOR	
			1	2
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	-	R

See Table 1.1 for Legal/Conservation Statuses

Chertsey Meads (Section G)

Desk Study

3.2.482 **Site description:** The survey site comprised all of Chertsey Meads SNCI, part of the LNR and a small undesignated area to the south of the River Bourne (Figure A7.1.182). The site was divided into twelve subsites, comprising grassland and other larger habitat units.

3.2.483 Chertsey Meads is an open area of remnant floodplain meadow on the banks of the River Thames, managed by Runnymede Borough Council as a public open space and for nature conservation. Part of the SINC is an LNR and was formerly a SSSI. The Priority Habitat Inventory describes most of the site as Lowland Meadows Priority Habitat (Figure A7.1.183), supporting the following plant communities:

- MG5a *Cynosurus cristatus-Centaurea nigra* grassland, *Lathyrus pratensis* sub-community;
- MG5b *Cynosurus cristatus-Centaurea nigra* grassland, *Galium verum* sub-community;
- MG7 *Lolium perenne* leys and related grasslands;
- MG8 *Cynosurus cristatus-Caltha palustris* grassland;
- S4 *Phragmites australis* swamp and reed-beds; and
- S6 *Carex riparia* swamp.

3.2.484 Over 400 plant species have been recorded from the site (Natural England, 2018c), including the nationally rare downy-fruited sedge (*Carex filiformis*) and nationally scarce greater dodder (*Cuscuta europaea*) and summer snowflake (*Leucojum aestivum* subsp. *aestivum*) (Surrey Wildlife Trust, 2016). The locations of records of notable plants are shown in Figure A7.1.183.

3.2.485 **Survey scope:** To assess the impact of the project on Priority Habitats and important plant populations, the desk study identified the need for detailed botanical and vegetation survey of the site. The scope was for the whole site to be surveyed to inform route design, with an initial visit in the spring to map habitats and identify more valuable grassland for detailed survey later in the season.

Field Survey

3.2.486 **Limitations:** The survey site was initially visited between 23 and 27 April 2018 and it was intended that a second visit would take place before the beginning of hay making in July. A second visit did not take place due to survey programme

constraints. However, the results of the survey are sufficiently robust to identify the important habitats and plant populations of the survey site.

- 3.2.487 Background botanical records were not available to be used in the desk study or survey. Some records of notable plants from Chertsey Meads were found in the public domain.
- 3.2.488 **Habitats:** Chertsey Meads supported a diversity of habitats, with improved, semi-improved and unimproved neutral grassland, swamp and reed-bed, hedgerows and broadleaved woodland. A Phase 1 habitat plan is provided in Figure A7.1.184 and detailed target notes are provided in Table C17.
- 3.2.489 The large meadows across the southern half of the site, south of Mead Lane (subsites 2, 4 and 10) comprised improved grassland, dominated by perennial rye-grass with forbs tolerant of agricultural improvement such as abundant beaked hawk's-beard (*Crepis vesicaria*), buttercups (*Ranunculus* spp.), dandelion (*Taraxacum* agg.) and ribwort plantain (Target Note 5). The sward was quite open across most of the meadow, indicative of disturbance. These grasslands were referable to MG7e. Topographic depressions in parts of the meadow, such as by the River Bourne, were flooded and dominated by flood-tolerant species such as creeping-bent (Target Notes 18 and 22).
- 3.2.490 The meadows in the northern half of the survey site (subsites 1, 3, 5, 6, 7 and 8) comprised poor semi-improved, semi-improved and unimproved neutral grassland, with a contrast between stands of grassland to the west and east. Most of the grassland vegetation to the west (subsites 1, 5, 6 and 7) was characteristic of damper alluvial situations, dominated by meadow foxtail with abundant red fescue and perennial rye-grass, frequent Yorkshire fog, and a variety of forbs such as abundant meadow buttercup (*Ranunculus acris*) and meadow vetchling (*Lathyrus pratensis*), locally abundant meadowsweet, frequent bulbous buttercup (*R. bulbosus*), lady's bedstraw (*Galium verum*) and clovers (*Trifolium* spp.) and occasional common bird's-foot trefoil (*Lotus corniculatus*) and ribwort plantain (Target Notes 1, 6, 10 and 26). In most areas the sward was well-structured locally with forb cover around 80%, but there was a thick understorey of litter and thatch indicating a lack of aftermath grazing. There were numerous topographic depressions supporting marshy grassland with species of damper conditions, such as brown sedge, creeping-bent, cuckoo flower and lesser pond sedge (Target Notes 2 and 7). These stands of alluvial grassland were referable to MG7c.
- 3.2.491 Within this western area, there was an area of drier semi-improved and unimproved neutral grassland situated on an elevated gravel terrace (subsite 6). This was dominated by a thick thatch of red fescue with frequent downy oat-grass (*Avenula pubescens*), perennial rye-grass sweet vernal-grass and Yorkshire fog, with forbs such as frequent bulbous buttercup, common sorrel and yarrow (*Achillea millefolium*) (Target Note 8). Most of this area likely represented unimproved grassland that had become degraded through lack of grazing. A forb-rich area (Target Note 17) was mapped as unimproved neutral grassland, and was dominated by salad burnet, with abundant crow garlic (*Allium vineale*) and meadow saxifrage (*Saxifraga granulata*), frequent lady's-bedstraw, meadow vetchling and ribwort plantain. Similar unimproved neutral grassland was found in small stands to the east and northeast of Mead Lane, which also supported an abundance of clustered



bellflower (*Campanula glomerata*) (Target Notes 15, 25 and 27). These richer stands were referable to MG5b.

- 3.2.492 Most of the eastern grasslands (subsites 3 and 8) comprised poor semi-improved grassland, with thick grassy swards and low forb diversity and cover. The thick thatch was dominated by red fescue with abundant perennial rye-grass, frequent cock's-foot and locally frequent meadow brome (*Bromus commutatus*), with forbs such as abundant dandelion and frequent creeping buttercup, ribwort plantain and white clover. Forb species indicative of semi- or unimproved neutral grassland were occasional, such as meadow vetchling and tufted vetch. Adder's-tongue fern (*Ophioglossum vulgatum*) and meadow cranesbill (*Geranium pratense*), species of unimproved grassland, were found in a few places in this grassland. In the east of this area were topographic depressions supporting inundation and marshy grassland (Target Note 24).
- 3.2.493 Swamp and reedbed occupied a large area in the east of the survey site, north and south of Mead Lane. The northern area (subsite 9, Target Note 12) was dominated by common reed and the large sedges greater pond-sedge (*Carex riparia*), lesser pond-sedge (*C. acutiformis*), slender tufted-sedge (*C. acuta*) and the hybrid between the latter two species (*C. x subgracilis*). To the south of this stand was a small area of rank grassland dominated by false oat-grass (Target Note 21). The area of swamp and reed-bed to the south had been mown recently and was more diverse, with abundant tall herbs such as common comfrey (*Symphytum officinale*), common nettle, great willowherb and meadowsweet (Target Note 19).
- 3.2.494 There were several stands of broadleaved woodland along Mead Lane and around the edge of the site. Woodland along Mead Lane likely originated from ornamental plantings (Target Note 4). There was wet woodland dominated by willows (*Salix* spp.) in the north of the site by the River Thames (Target Note 11), a stand in the east (subsite 12, Target Note 20) and a small stand along Mead Lane (Target Note 3). These stands of wet woodland were referable to W6b.
- 3.2.495 A small area of the survey site to the south of the River Bourne (subsite 11) comprised broadleaved woodland dominated by horse-chestnut (*Aesculus hippocastanum*) and other ornamental tree species, dense scrub, tall-ruderal vegetation and amenity grassland (Target Note 22).
- 3.2.496 **Flora:** A total of 241 plant taxa were recorded during the survey: seven bryophyte species and 234 vascular plant taxa, comprising 219 species and eight hybrids. A site list is provided in Table B31.
- 3.2.497 Nine notable vascular plants were recorded, summarised in Table 3.105. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.186. Downy-fruited sedge and greater dodder were searched for during the survey but were not found.
- 3.2.498 Seventeen archaeophyte and 34 neophyte vascular plant species were recorded, including six invasive non-native vascular plants, summarised in Table 3.106. The locations of these plants are shown in Figure A7.1.187 and full records are provided in Table F1.

Table 3.105: Summary of Notable Plants Recorded at Chertsey Meads

Scientific Name	Common Name	Legal/ Conservation Status	Subsite/DAFOR									
			1	2	3	4	6	7	8	9	12	
<i>Carex acuta</i>	Slender tufted-sedge	VC17 Scarce	-	-	-	-	-	-	-	-	O	-
<i>Carex disticha</i>	Brown sedge	VC17 Scarce	R	-	R	-	-	-	-	-	-	-
<i>Crepis biennis</i>	Rough hawk's-beard	VC17 Scarce	-	-	LF	-	-	LF	-	-	-	-
<i>Geranium pratense</i>	Meadow crane's-bill	VC17 Scarce	R	R	R	LA	-	R	O	O	-	-
<i>Salix purpurea</i>	Purple willow	VC17 Scarce	-	-	-	R	-	R	-	R	A	-
<i>Saxifraga granulata</i>	Meadow saxifrage	VC17 Scarce	-	-	LA	-	LA	-	-	-	-	-
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	-	-	-	R	-	-	-	-	-	-
<i>Thalictrum flavum</i>	Common meadow-rue	VC17 Scarce	-	-	-	R	-	-	-	-	-	-
<i>Valeriana officinalis</i>	Common valerian	Eng NT	-	-	-	-	-	-	-	R	-	-

See Table 1.1 for Legal/Conservation Statuses

Table 3.106: Summary of Invasive Non-Native Plants Recorded at Chertsey Meads

Scientific Name	Common Name	Legal Status	Subsite/DAFOR						
			1	3	4	9	10	11	
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	-	LA	LA	-	LA	-	
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	R	-	-	-	-	R	
<i>Prunus lusitanica</i>	Portugal laurel	INNS	-	-	-	-	LD	-	
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	-	-	-	-	-	R	
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	LD	-	LD	LD	-	-	
<i>Symphoricarpos albus</i>	Snowberry	INNS	R	-	-	-	-	-	

See Table 1.1 for Legal/Conservation Statuses

Evaluation

3.2.499 **Value:** The Chertsey Meads survey site supported five Priority Habitats, summarised in Table 3.107, and a diverse flora, with 241 taxa, including nine notable plants, recorded. A plan of Priority Habitat is provided in Figure A7.1.185.

3.2.500 The site supported a large area of Lowland Meadows Priority Habitat (Table 3.107). The total area of this habitat is above the 0.5ha threshold area for selection of SSSI based on grassland habitat supporting the Lowland Meadows plant communities MG5 or MG7c (Jefferson *et al.*, 2014), which are present at Chertsey Meads. The site also supports nationally scarce and rare, locally scarce and red-listed species, SSSI selection criteria for vascular plant assemblages (JNCC, n.d.). The biodiversity value of Chertsey Meads is therefore high.

3.2.501 **Potential impacts:** Areas of Priority Habitats within the Order Limits are provided in Table 3.107. Two notable plants were recorded within the Order Limits, summarised in Table 3.108 and shown in Figure A7.1.186.

3.2.502 The route across Chertsey Meads would be largely installed by open cut. The trenchless crossing of the River Thames would be launched from the northern part of the site (Figure A7.1.182).

3.2.503 The Order Limits within the site comprises improved, marshy and poor-semi-improved grassland, semi-improved and unimproved neutral grassland and

broadleaved semi-natural woodland (Figure A7.1.184). Broadleaved semi-natural woodland would not be directly impacted by installation works due to the adoption of trenchless methods at this location. Lowland Meadows Priority Habitat would be affected by the launch location for the trenchless crossing of the River Thames and by open cut. Pipeline stringing-out areas to the southeast requires no groundworks and therefore is unlikely to be adversely impacted (Figure A7.1.184).

3.2.504 Two notable plants were recorded within the Order Limits (Table 3.108, Figure A7.1.186). Purple willow is present within the Order Limits at the edge of woodland by the River Thames, which would not be impacted due to the adoption of trenchless methods at this location. Meadow saxifrage was recorded within a stringing-out area to the southeast of the proposed River Thames trenchless crossing and would therefore likely not be impacted by installation works.

3.2.505 The Nationally Scarce greater dodder and summer snowflake and Nationally Rare downy-fruited sedge were not recorded during the survey. Background records indicate that populations of these species are not present within the Order Limits (Surrey Wildlife Trust, 2016).

Table 3.107: Priority Habitat Recorded at Chertsey Meads

Habitat		Area/Length	
		Survey Site	Order Limits
Priority Habitat	Hedgerows	1,155m	238m
	Lowland Meadows	8.80ha	0.66ha
	Reedbeds	4.14ha	0.00ha
	Rivers	12.25ha	0.23ha
	Wet Woodland	2.85ha	0.22ha

Table 3.108: Summary of Notable Plants Recorded Within the Order Limits at Chertsey Meads

Scientific Name	Common Name	Legal/Conservation Status	Subsite/DAFOR	
			3	7
<i>Salix purpurea</i>	Purple willow	VC17 Scarce	-	R
<i>Saxifraga granulata</i>	Meadow saxifrage	VC17 Scarce	LA	-

See Table 1.1 for Legal/Conservation Statuses

Dumsey Meadow (Section G)

Desk Study

3.2.506 **Site description:** The survey site comprised Dumsey Meadow SSSI (Figure A7.1.188). The SSSI is an unimproved, cattle and pony-grazed riverside pasture situated on the flood-plain of the River Thames (Natural England, 2018f). The following plant communities are notified features of the SSSI:

- MG5 *Cynosurus cristatus-Centaurea nigra* grassland.

3.2.507 The SSSI consists of Lowland Meadows Priority Habitat (Figure A7.1.189). The grassland is very variable in character ranging from tall vegetation in damp depressions to dry ridges with a short turf. Damp hollows support wetland habitats.

The Surrey rarities marsh arrow-grass and meadow-rue have been recorded (Natural England, 2018f).

3.2.508 **Survey scope:** Dumsey Meadow SSSI was scoped in by the desk study for detailed botanical and vegetation survey under a previous design to determine the impact of the project to the notified features of the site. The route design was subsequently revised to avoid direct impacts to the SSSI. As there were potential indirect pathways for impacts to result from the project, such as due to changes to air quality or hydrology/hydrogeology, the survey was undertaken as originally intended.

Field Survey

3.2.509 **Limitations:** Background botanical records were not available to be used in the desk study or survey. No other limitations were encountered.

3.2.510 **Habitats and vegetation:** The survey site was dominated by unimproved neutral grassland, with stands of improved grassland, semi-improved neutral grassland, swamp, marginal vegetation, scattered scrub and broadleaved semi-natural woodland (Photographs 7.1.157 to 7.1.159). Plans of Phase 1 habitats and vegetation are provided in Figure A7.1.190 and Figure A7.1.192, respectively. A total of 27 quadrats were recorded from the site, provided in Table H14. The locations of quadrats are shown in Figure A7.1.192. The vegetation of the site is described below.

3.2.511 Stands of grassland dominated by false oat-grass comprised the main vegetation across the site (quadrats DM6 to DM9 and DM11 to DM14 and DM16 to DM18). This tall coarse grassland vegetation was dominated by grasses, with constant cock's-foot, false oat-grass, meadow barley (*Hordeum secalinum*), perennial ryegrass, red fescue, rough meadow-grass, tall fescue (*Schedonorus arundinaceus*) and Yorkshire fog. Across most of the site stands of this grassland supported a variety of forbs at low total cover, with constant bulbous buttercup, creeping cinquefoil, cut-leaved cranesbill (*Geranium dissectum*), dandelion (*Taraxacum* agg.), meadow buttercup and red clover (*Trifolium pratense*), and frequent common bird's-foot-trefoil, meadow vetchling and white clover (*T. repens*). Stands of such grassland were referred to MG1e. Marginal areas of grassland were poorer, with abundant weedy forbs such as common nettle and hogweed, referred to MG1a and MG1b.

3.2.512 Within the main body of grassland were small stands of forb-rich grassland (quadrats DM1 to DM5; Photograph 7.1.160). These were characterised by reduced cover by false oat-grass, a finer textured sward with a greater diversity of grass, including downy oat-grass, yellow oat-grass (*Trisetum flavescens*) and, locally, upright brome (*Bromopsis erecta*), and high forb-cover, with constant common bird's-foot-trefoil, lady's-bedstraw and salad burnet. In several areas, salad burnet dominated the vegetation. Stands of this vegetation were referred to MG5b. There were also small stands lacking the calcicoles lady's-bedstraw, salad burnet and upright brome, referred to MG5a (unsampled).

3.2.513 There were numerous topographic depressions across the survey site, and these supported flood-tolerant grassland and swamp vegetation. Stands of swamp vegetation also dominated the bank of the River Thames. A long, deep, trench-like



depression in the north of the survey site supported tall, rank species-poor grassland dominated by meadow foxtail, referred to MG7d (quadrats DM19 to DM22). Other depressions supported very short vegetation dominated by low growing species such as creeping bent, creeping buttercup, marsh foxtail and silverweed (*Potentilla anserina*), referred to MG11 (quadrat DM15). Stands of swamp vegetation were dominated by tall emergent species such as lesser tufted-sedge (*Carex acuta*) (quadrat DM26), reed canary-grass and yellow iris (Photographs 7.1.158 and 7.1.159). A large topographic depression in the northeast of the survey site was dominated by low-growing crack-willow, and held standing water dominated with aquatic vegetation referred to S22, dominated by floating sweet-grass, and small species such as thread-leaved water-crowfoot (*Ranunculus trichophyllus*).

- 3.2.514 **Flora:** A total of 169 vascular plant taxa were recorded during the survey, comprising 159 species and four hybrids. A site list is provided in Table B32.
- 3.2.515 One notable vascular plant was recorded, strawberry clover, summarised in Table 3.109. Full records are provided in Table E1. The locations of discrete populations of notable plants are shown in Figure A7.1.193.
- 3.2.516 Fourteen archaeophyte and 15 neophyte vascular plant species were recorded, including three invasive non-native vascular plants, summarised in Table 3.110. The locations of these plants are shown in Figure A7.1.194 and full records are provided in Table F1.

Table 3.109: Summary of Notable Plants Recorded at Dumsey Meadow

Scientific Name	Common Name	Legal/ Conservation Status	DAFOR
<i>Trifolium fragiferum</i>	Strawberry clover	Eng VU	R

See Table 1.1 for Legal/Conservation Statuses

Table 3.110: Summary of Invasive Non-Native Plants Recorded at Dumsey Meadow

Scientific Name	Common Name	Legal Status	DAFOR
<i>Aster</i> agg.	A Michaelmas-daisy	INNS	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	R
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	LD

See Table 1.1 for Legal/Conservation Statuses

Evaluation

- 3.2.517 **Value:** The Dumsey Meadow survey site supported the Priority Habitat Lowland Meadows, a range of neutral grassland plant communities including small stands of the notified plant community of Dumsey Meadow SSSI, MG5, and 169 plant taxa were recorded, including one notable vascular plant. A plan of Priority Habitat is provided in Figure A7.1.191.
- 3.2.518 As a statutory designated site, Dumsey Meadow is of high biodiversity value.
- 3.2.519 **Potential impacts:** There would be no installation works within Dumsey Meadow SSSI so that no direct impact to the site would be expected. The route would be installed by trenchless methods, crossing the River Thames from Chertsey Meads



to the south of the site, with tunnelling beneath the site extending north beyond Old Littleton Road (Figure A7.1.187).

3.3 Incidental Records

- 3.3.1 No records of notable plants were recorded incidentally during other ecological surveys as part of the project. Invasive non-native species recorded incidentally are discussed in a separate report (Appendix 7.4 Invasive Non-Native Plant Species Factual Report).

References

Adams, A.W., 1955. *Succisa pratensis* Moench. *Journal of Ecology*, vol. 43 (2), pp. 709-718.

British Lichen Society, 2018. Lichen Taxon Dictionary. Accessed December 2018. Available at: <http://www.britishlichensociety.org.uk/resources/lichen-taxon-database>

BSBI, 2013. National Status Checklist. Accessed July 2017. Available at: <https://database.bsbi.org/object.php?objectid=2cd4p9h.b41gsg&class=ChecklistIn stance>

BSBI, 2018. BSBI maps. Accessed November 2018. Available at: <https://bsbi.org/maps>

Cheffings, C. M., Farrell, L., Dines, T. D., Jones, R. A., Leach, S. J., McKean, D. R., Pearman, D. A., Preston, C. D., Rumsey, F. J., Taylor, I. 2005. *The Vascular Plant Red Data List for Great Britain Species Status 7: 1-116*, Peterborough: Joint Nature Conservation Committee.

ESRI (2016). ArcGIS 10.3.1 for Desktop.

Esso (2018). Southampton to London Pipeline Project: Scoping Report (Volume 1). Planning Inspectorate Reference Number EN070005. July 2018.

Groome, G. M. & Shaw, P., 2015. Vegetation response to the reintroduction of cattle grazing on an English lowland valley mire and wet heath. *Conservation Evidence*, Issue 12, pp. 33-39.

Hampshire Biodiversity Partnership, 2000. Biodiversity Action Plan for Hampshire: Volume Two. Hedgerows HAP.

Hampshire County Council, 1996. Criteria for selecting Sites of Importance for Nature Conservation in Hampshire.

Hill, M. O., Blackstock, T. H., Long, D. G., Rothero, G. P., 2008. A checklist and census catalogue of British and Irish bryophytes. Edinburgh: British Bryological Society.

IUCN, 2018. IUCN Red List of Threatened Species. Accessed September 2018. Available at: <https://newredlist.iucnredlist.org/>



Jefferson, R., Smith, S. & MacKintosh, E., 2014. Guidelines for the Selection of Biological SSSIs. Part 2: Detailed Guidelines for Habitats and Species Groups. Chapter 3 Lowland Grasslands, Peterborough: Joint Nature Conservation Committee.

JNCC, 2009. NVC survey data & distribution maps. Accessed November 2018. Available at: <http://jncc.defra.gov.uk/page-4267>

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

JNCC, 2014. Annex I Habitats and Annex II species occurring in the UK. Accessed November 2018. Available at: <http://jncc.defra.gov.uk/page-1523>

JNCC, n.d. Guidelines for the Selection of Biological SSSIs. Part 2: Detailed Guidelines for Habitats and Species Groups. Chapter 11 Vascular plants (flowering plants, ferns and their allies), Peterborough: Joint Nature Conservation Committee.

Latham, J. *et al.*, 2018. Guidelines for the Selection of Biological SSSIs. Part 2: Detailed Guidelines for Habitats and Species Groups. Chapter 2a Woodlands, Wood Pasture and Parkland, and Veteran Trees, Peterborough: Joint Nature Conservation Committee.

Maddock, A., 2011. UK Biodiversity Action Plan Priority Habitat Descriptions, Peterborough: Joint Nature Conservation Committee.

National Library of Scotland, 2017. Explore georeferenced maps. Accessed August 2017. Available at: <http://maps.nls.uk/geo/explore/#zoom=undefined&lat=53.4151&lon=-4.4759&layers=6>

Natural England, 2010. Higher Level Stewardship. Farm Environment Plan (FEP) Manual. 3 ed. Peterborough: Natural England.

Natural England, 2015. Priority Habitat Inventory (England). Natural England.

Natural England, 2016. European Site Conservation Objectives: Supplementary Advice on Conserving and Restoring Site Features.

Natural England, 2018a. Ancient Woodlands (England). Natural England.

Natural England, 2018b. Designated Sites View - Bourley and Long Valley SSSI. Accessed November 2018. Available at: <https://designatedsites.naturalengland.org.uk/SiteDetail.aspx?SiteCode=S1006761&SiteName=&countyCode=19&responsiblePerson=&SeaArea=&IFCAArea=>

Natural England, 2018c. Designated Sites View - Chertsey Meads LNR. Accessed November 2018. Available at: <https://designatedsites.naturalengland.org.uk/SiteLNRDetail.aspx?SiteCode=L1008835&SiteName=hert&countyCode=&responsiblePerson=&SeaArea=&IFCAArea=>



- Natural England, 2018d. Designated Sites View - Chobham Common SSSI. Accessed November 2018. Available at: <https://designatedsites.naturalengland.org.uk/SiteDetail.aspx?SiteCode=s1004332>
- Natural England, 2018e. Designated Sites View - Colony Bog and Bagshot Heath SSSI. Accessed November 2018. Available at: <https://designatedsites.naturalengland.org.uk/SiteDetail.aspx?SiteCode=s1001957>
- Natural England, 2018f. Designated Sites View - Dumsey Meadow SSSI. Accessed 26 November 2018. Available at: <https://designatedsites.naturalengland.org.uk/SiteDetail.aspx?SiteCode=S1007206&SiteName=dumsey&countyCode=&responsiblePerson=>
- Natural England, 2018g. Designated Sites View - Upper Hamble Estuary and Woods SSSI. Accessed November 2018. Available at: <https://designatedsites.naturalengland.org.uk/SiteDetail.aspx?SiteCode=s1004525>
- NNSS, 2018. GB Non-native Species Secretariat. Accessed October 2018. Available at: <http://www.nonnativespecies.org/home/index.cfm>
- Rand, M. & Mundell, T., 2011. Hampshire Rare Plant Register.
- Rodwell, J. S., 2006. National Vegetation Classification: Users' Handbook, Peterborough: Joint Nature Conservation Council.
- Rose, F., 1999. The use of vascular plants in evaluating ancient woods for nature conservation. *British Wildlife*, Issue 2, pp. 241 - 251.
- Stace, C.A. 2010. A New Flora of the British Isles. Cambridge: Cambridge University Press.
- Stewart, N. F. and Church, J. M., 1992. Red Data Books of Britain & Ireland: stoneworts. Peterborough: JNCC.
- Stroh, P. A., 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. 2014. A Vascular Plant Red List for England. Bristol: Botanical Society of Britain and Ireland.
- Surrey Botanical Society, 2018. Surrey Rare Plant Register. Accessed October 2018. Available at: <http://www.surreyflora.org.uk/srpr.php>
- Surrey Nature Partnership, 2018. Biodiversity and Planning in Surrey. Accessed November 2018. Available at: <https://surreynaturepartnership.files.wordpress.com/2018/11/biodiversity-planning-in-surrey-revised-november-20181.pdf>
- Surrey Wildlife Trust, 2012. Frimley Fuel Allotments (SU 899 583): Management Plan. Woking: Surrey Wildlife Trust.
- Surrey Wildlife Trust, 2016. Chertsey Meads Management Plan 2017-2025.



Annex A – Site Locations and Survey Metadata

Table A1: Site Locations and Survey Metadata

Site Name	Area (ha)	Grid Reference	District Authority	Vice County	Start Date	End Date	Lead Surveyor
Ford Lake	18.96	SU 512 151	Eastleigh Borough Council, Winchester City Council	South Hampshire (VC11)	04/06/2018	08/06/2018	D. Morris
Durley Hedge 1	0.15	SU 520 160	Winchester City Council	South Hampshire (VC11)	08/06/2018	08/06/2018	D. Morris
Durley Hedge 2	2.84	SU 521 161	Winchester City Council	South Hampshire (VC11)	08/06/2018	30/08/2018	D. Morris
Wintershill	2.23	SU 535 179	Winchester City Council	South Hampshire (VC11)	07/06/2018	07/06/2018	D. Morris
Stephen's Castle Down	10.89	SU 560 214	Winchester City Council	South Hampshire (VC11)	09/08/2018	09/08/2018	D. Morris
Betty Mundy's Bottom	0.67	SU 583 226	Winchester City Council	South Hampshire (VC11)	04/06/2018	04/06/2018	B. Benatt
Brockwood Roadside Strips	0.49	SU 623 259	Winchester City Council	South Hampshire (VC11)	04/06/2018	04/06/2018	B. Benatt
Southfield Copse SINC	2.36	SU 696 354	East Hampshire District Council	North Hampshire (VC12)	14/05/2018	14/05/2018	B. Benatt
Woodside Row SINC and road verge	1.88	SU 698 355	East Hampshire District Council	North Hampshire (VC12)	14/05/2018	14/05/2018	B. Benatt
Disused Railway	2.32	SU 701 356	East Hampshire District Council	North Hampshire (VC12)	14/05/2018	14/05/2018	B. Benatt
Caker Stream Floodplain	3.47	SU 725 377	East Hampshire District Council	North Hampshire (VC12)	11/06/2018	11/06/2018	B. Benatt
Water Lane	2.04	SU 735 376	East Hampshire District Council	North Hampshire (VC12)	11/06/2018	11/06/2018	B. Benatt
Floodplain of River Wey	6.66	SU 748 414	East Hampshire District Council	North Hampshire (VC12)	06/08/2018	06/08/2018	D. Morris
Arable Weeds	50.19	SU 793 474	East Hampshire District Council, Hart District Council	North Hampshire (VC12)	28/08/2018	28/08/2018	D. Morris
Oak Park Golf Club	8.05	SU 804 486	Hart District Council	North Hampshire (VC12)	25/06/2018	25/06/2018	B. Benatt
Ewshot Hedgerow	0.30	SU 805 496	Hart District Council	North Hampshire (VC12)	25/06/2018	25/06/2018	B. Benatt
Wakefords Copse	3.35	SU 818 514	Hart District Council	North Hampshire (VC12)	06/08/2018	06/08/2018	D. Morris
Bourley and Long Valley	55.02	SU 826 525	Hart District Council	North Hampshire (VC12)	25/06/2018	29/06/2018	D. Morris

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Site Name	Area (ha)	Grid Reference	District Authority	Vice County	Start Date	End Date	Lead Surveyor
Old Ively Road	13.39	SU 837 538	Hart District Council, Rushmoor Borough Council	North Hampshire (VC12)	02/05/2018	04/05/2018	D. Morris
Former Southwood Golf Course	27.46	SU 850 547	Rushmoor Borough Council	North Hampshire (VC12)	02/05/2018	04/05/2018	D. Morris
Cove Brook	15.52	SU 855 553	Rushmoor Borough Council	North Hampshire (VC12)	02/05/2018	09/07/2018	D. Morris
Queen Elizabeth Park	9.16	SU 867 561	Rushmoor Borough Council	North Hampshire (VC12)	01/05/2018	01/05/2018	D. Morris
Blackwater Valley	37.02	SU 878 570	Hart District Council, Surrey Heath Borough Council	North Hampshire (VC12), Surrey (VC17)	21/11/2018	21/11/2018	D. Morris
Frimley Green	4.54	SU 884 576	Surrey Heath Borough Council	Surrey (VC17)	04/05/2018	04/05/2018	D. Morris
Pine Ridge	127.90	SU 901 584	Surrey Heath Borough Council	Surrey (VC17)	17/07/2018	20/07/2018	D. Morris
Colony Bog and Bagshot Heath	84.07	SU 925 610	Surrey Heath Borough Council	Surrey (VC17)	17/05/2018	13/08/2018	D. Morris
Halebourne	25.25	SU 948 620	Surrey Heath Borough Council	Surrey (VC17)	29/08/2018	29/08/2018	D. Morris
Chobham Common	99.46	SU 980 641	Surrey Heath Borough Council, Runnymede Borough Council	Surrey (VC17)	30/07/2018	02/08/2018	D. Morris
Foxhills Golf Course	46.44	TQ 010 653	Runnymede Borough Council	Surrey (VC17)	21/05/2018	21/05/2018	D. Morris
Addlestone Moor	19.74	TQ 038 658	Runnymede Borough Council	Surrey (VC17)	22/05/2018	23/05/2018	D. Morris
Chertsey Meads	73.64	TQ 059 661	Runnymede Borough Council	Surrey (VC17)	23/04/2018	27/04/2018	D. Morris



Annex B – Site List

Table B1: Summary of Plant Taxa Recorded from Ford Lake

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR				
				1	2	3	4	5
Bryophytes								
<i>Amblystegium serpens</i>	-	Native	-	-	-	R	-	-
<i>Aneura pinguis</i>	-	Native	-	R	-	-	-	LF
<i>Atrichum undulatum</i>	-	Native	-	R	-	-	-	O
<i>Brachythecium rutabulum</i>	-	Native	-	O	-	F	-	F
<i>Calliergonella cuspidata</i>	-	Native	-	-	LA	-	-	R
<i>Chiloscyphus polyanthos</i>	-	Native	-	-	-	R	-	-
<i>Conocephalum conicum</i>	-	Native	-	-	-	LA	-	-
<i>Fissidens bryoides</i>	-	Native	-	-	-	LA	-	-
<i>Frullania dilatata</i>	-	Native	-	R	-	-	-	-
<i>Hypnum cupressiforme</i>	-	Native	-	F	-	-	-	-
<i>Isothecium myosuroides</i>	-	Native	-	-	-	-	-	O
<i>Kindbergia praelonga</i>	-	Native	-	F	-	F	-	F
<i>Lophocolea bidentata</i>	-	Native	-	-	-	-	-	R
<i>Lunularia cruciata</i>	-	Native	-	-	-	-	-	R
<i>Metzgeria furcata</i>	-	Native	-	-	-	-	-	O
<i>Microlejeunea ulicina</i>	-	Native	-	R	-	-	-	-
<i>Mnium hornum</i>	-	Native	-	F	-	F	-	F
<i>Pellia epiphylla</i>	-	Native	-	LA	-	-	-	LF
<i>Plagiomnium undulatum</i>	-	Native	-	R	-	-	-	-
<i>Platyhypnidium riparioides</i>	-	Native	-	-	-	-	-	R
<i>Polytrichastrum formosum</i>	-	Native	-	R	-	-	-	-
<i>Rhizomnium punctatum</i>	-	Native	-	R	-	R	-	-
<i>Rhynchostegium confertum</i>	-	Native	-	F	-	-	-	-
<i>Zygodon conoideus</i>	-	Native	-	R	-	-	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR				
				1	2	3	4	5
Ferns and allies								
<i>Asplenium scolopendrium</i>	Hart's-tongue	Native	-	R	-	R	-	O
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	F	R	O	O	F
<i>Blechnum spicant</i>	Hard-fern	Native	AWI	-	-	-	-	R
<i>Dryopteris affinis</i>	Scaly male-fern	Native	AWI	O	-	-	-	O
<i>Dryopteris borreari</i>	Borrer's male-fern	Native	-	-	-	R	R	-
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	Native	AWI	-	-	-	R	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	F	-	O	O	F
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	F	-	-	O	F
<i>Equisetum arvense</i>	Field horsetail	Native	-	R	-	-	-	R
<i>Polypodium vulgare</i>	Polypody	Native	AWI	-	-	R	-	R
<i>Polystichum aculeatum</i>	Hard shield-fern	Native	AWI	-	-	-	-	R
<i>Polystichum setiferum</i>	Soft shield-fern	Native	AWI	-	-	R	R	LF
<i>Pteridium aquilinum</i>	Bracken	Native	-	R	-	R	-	-
Flowering plants								
<i>Acer campestre</i>	Field maple	Native	AWI	-	R	R	R	O
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	-	-	-	-	R
<i>Adoxa moschatellina</i>	Moschatel	Native	AWI	O	-	R	-	O
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	-	F	LA	-	-
<i>Ajuga reptans</i>	Bugle	Native	-	R	-	-	-	R
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	-	-	-	R	-
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	-	R	O	-	O
<i>Allium ursinum</i>	Ramsons	Native	AWI	LA	R	A	A	A
<i>Alnus glutinosa</i>	Alder	Native	-	A	O	F	-	D
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	-	R	-	-	-
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	LF	F	-	-	-
<i>Anemone nemorosa</i>	Wood anemone	Native	AWI	LF	-	O	F	F-LA
<i>Angelica sylvestris</i>	Wild angelica	Native	-	-	-	R	-	O
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	R	F	LF	R	-
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R	R	R	-	R

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				1	2	3	4	5
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	R	-	-	R	R
<i>Arctium minus sens. lat.</i>	A burdock	Native	-	R	-	-	-	-
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	LF	R	LF	-	-
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	O	-	O	O	O
<i>Betula pendula</i>	Silver birch	Native	-	-	-	-	R	-
<i>Betula pubescens</i>	Downy birch	Native	-	LA	-	-	-	LD
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	F	R	O	F	F
<i>Bromopsis ramosa</i>	Hairy-brome	Native	AWI	R	-	-	-	-
<i>Callitriche stagnalis</i>	Common water-starwort	Native	-	LA	-	-	-	-
<i>Caltha palustris</i>	Marsh-marigold	Native	-	-	-	-	LF	R
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R	-	LF	-	-
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	F	-	LF	R	LF
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	R	-	-	-	-
<i>Carex acutiformis</i>	Lesser pond-sedge	Native	-	-	-	-	-	LA
<i>Carex hirta</i>	Hairy sedge	Native	-	R	LF	-	-	-
<i>Carex laevigata</i>	Smooth-stalked sedge	Native	AWI	R	-	-	R	LF
<i>Carex leporina</i>	Oval sedge	Native	-	-	R	-	-	-
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	LA	R	F	F	O
<i>Carex remota</i>	Remote sedge	Native	AWI	F	-	F	O	F-LA
<i>Carex sylvatica</i>	Wood-sedge	Native	AWI	O	-	-	O	O
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	-	-	LF	-	-
<i>Chaerophyllum temulum</i>	Rough chervil	Native	-	-	R	-	-	-
<i>Chrysosplenium oppositifolium</i>	Opposite-leaved golden-saxifrage	Native	AWI	LA	-	LA	-	LA
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	A	R	F	F	A
<i>Cirsium arvense</i>	Creeping thistle	Native	-	-	O	-	-	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	O	O	LF	R	R
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R	R	-	-	-
<i>Conopodium majus</i>	Pignut	Native	AWI	R	-	-	R	R
<i>Cornus sanguinea</i>	Dogwood	Native	-	-	-	R	-	-

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				1	2	3	4	5
<i>Cornus sanguinea</i> subsp. <i>australis</i>	Dogwood	Neophyte - Planted	-	R	-	-	-	-
<i>Corylus avellana</i>	Hazel	Native	-	F	R	F	F	F
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O	-	F	F	F
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Neophyte	Schedule 9	-	-	-	-	R
<i>Cruciata laevipes</i>	Crosswort	Native	Eng NT	R	-	R	-	-
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	-	F	-	-	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R	O	R	-	-
<i>Dactylorhiza fuchsii</i>	Common spotted-orchid	Native	-	R	-	-	-	-
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	-	-	-	R	R
<i>Digitalis purpurea</i>	Foxglove	Native	-	R	-	-	R	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	R	-	-	-
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	-	-	-	-	LF
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	-	-	-	R	-
<i>Euonymus europaeus</i>	Spindle	Native	-	-	-	-	-	R
<i>Eupatorium cannabinum</i>	Hemp-agrimony	Native	-	R	-	-	-	-
<i>Euphorbia amygdaloides</i> subsp. <i>amygdaloides</i>	Wood spurge	Native	-	-	-	-	R	-
<i>Fagus sylvatica</i>	Beech	Native	-	-	-	-	-	R
<i>Fallopia japonica</i>	Japanese knotweed	Neophyte	Schedule 9	-	-	-	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	R	-	-	-	-
<i>Ficaria verna</i>	Lesser celandine	Native	-	-	-	-	-	R
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	O	R	LF	-	LF
<i>Frangula alnus</i>	Alder buckthorn	Native	AWI	-	-	-	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	F	R	F	F	F
<i>Galeopsis tetrahit</i> agg.	A hen-bit deadnettle	Native	-	R	-	R	-	-
<i>Galium aparine</i>	Cleavers	Native	-	-	-	F	F	LA
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R	-	R	-	R
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R	-	-	-	-

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				1	2	3	4	5
<i>Geranium robertianum</i>	Herb-robert	Native	-	F	-	O	F	F
<i>Geum rivale</i>	Water avens	Native	AWI	-	-	-	-	R
<i>Geum urbanum</i>	Wood avens	Native	-	F	R	F	F	F
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	LF	-	-	-	F
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	-	LA	LD	R	O
<i>Glyceria maxima</i>	Reed sweet-grass	Native	-	R	-	-	-	-
<i>Hedera helix</i>	Common ivy	Native	-	F	R	F	A	F-LD
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	-	R	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	O	D	LA	-	LA
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	LA	-	-	R	LA
<i>Humulus lupulus</i>	Hop	Native	-	-	-	R	-	-
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	-	-	O	LF	LA
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	Native	-	-	-	R	-	-
<i>Ilex aquifolium</i>	Holly	Native	-	R	-	O	O	LF
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	LA	R	LF	-	-
<i>Iris pseudacorus</i>	Yellow iris	Native	-	O	-	R	-	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	LD	-	LD	-	-
<i>Juncus conglomeratus</i>	Compact rush	Native	-	-	-	R	-	-
<i>Juncus effusus</i>	Soft-rush	Native	-	R	F	LF	O	O
<i>Juncus inflexus</i>	Hard rush	Native	-	R	F	R	-	-
<i>Lamiasstrum galeobdolon</i> subsp. <i>montanum</i>	Yellow archangel	Native	-	LA	-	LA	LA	A
<i>Lapsana communis</i>	Nipplewort	Native	-	-	-	R	R	-
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	-	-	LF	-	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	-	F	-	R	-
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	O	-	R	O	LA
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	R	-	-	-	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R	O	LF	-	-
<i>Luzula pilosa</i>	Hairy wood-rush	Native	AWI	-	-	-	R	R
<i>Lycopus europaeus</i>	Gypsywort	Native	-	O	-	R	-	-

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				1	2	3	4	5
<i>Lysimachia nemorum</i>	Yellow pimpernel	Native	AWI	O	-	-	R	LF
<i>Lysimachia nummularia</i>	Creeping-jenny	Native	-	-	-	R	-	-
<i>Malus pumila</i>	Apple	Neophyte	-	-	-	-	-	R
<i>Malus sylvestris sens. lat.</i>	Apple	Native	-	-	-	-	-	R
<i>Melica uniflora</i>	Wood melick	Native	AWI	-	-	-	R	LF
<i>Mentha aquatica</i>	Water mint	Native	-	R	-	R	-	R
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	LA	-	LF	LA	F-LA
<i>Milium effusum</i>	Wood millet	Native	AWI	-	-	-	R	-
<i>Moehringia trinervia</i>	Three-nerved sandwort	Native	AWI	O	-	R	R	-
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	R	R	-	-	-
<i>Nasturtium officinale</i> agg.	Watercress	-	-	-	R	-	-	-
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	LD	LA	LD	LF	LA
<i>Oenanthe pimpinelloides</i>	Corky-fruited water-dropwort	Native	-	R	-	R	-	-
<i>Oxalis acetosella</i>	Wood-sorrel	Native	AWI, Eng NT	-	-	-	-	LA
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	-	-	-	R	-
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	R	LA	-	-	R
<i>Phleum pratense</i>	Timothy	Native	-	R	-	-	-	-
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	-	O	-	-	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	F	F	F	O	F
<i>Polygonatum multiflorum</i>	Solomon's-seal	Native	AWI	R	-	-	F	O
<i>Potentilla anserina</i>	Silverweed	Native	-	-	-	R	R	-
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	LF	-	LF	-	-
<i>Potentilla sterilis</i>	Barren strawberry	Native	AWI	-	-	-	R	-
<i>Primula vulgaris</i>	Primrose	Native	AWI	O	-	R	-	O
<i>Prunella vulgaris</i>	Selfheal	Native	-	R	-	-	-	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	-	-	-	LF	LF
<i>Prunus domestica</i>	Wild plum	Archaeophyte	-	LD	-	-	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte - Naturalised	INNS	-	-	-	R	-

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				1	2	3	4	5
<i>Prunus spinosa</i>	Blackthorn	Native	-	-	R	-	-	O
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	-	R	LA	-	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	O	-	O	F	F
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	-	O	LF	R	R
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R	R	-	-	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F	F	LF	-	LF
<i>Ribes rubrum</i>	Red currant	-	AWI	-	-	R	-	R
<i>Rosa arvensis</i>	Field-rose	Native	AWI	R	R	R	R	O
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-	R	-	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	A	LD	-	F	-
<i>Rumex acetosa</i>	Common sorrel	Native	-	R	O	LF	-	-
<i>Rumex crispus</i>	Curled dock	Native	-	-	-	LF	-	-
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R	-	-	-	-
<i>Rumex sanguineus</i>	Wood dock	Native	-	F	R	F	F	F
<i>Ruscus aculeatus</i>	Butcher's-broom	Native	AWI	R	-	-	R	R
<i>Salix caprea</i>	Goat willow	Native	-	R	-	R	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	F-LD	R	F	-	O
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	O	R	R	-	-
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte	-	-	-	R	-	-
<i>Sambucus nigra</i>	Elder	Native	-	O	-	F	O	O
<i>Schedonorus giganteus</i>	Giant fescue	Native	AWI	O	O	O	-	F
<i>Schedonorus pratensis</i>	Meadow fescue	Native	-	-	R	R	-	-
<i>Scirpus sylvaticus</i>	Wood club-rush	Native	-	LD	LD	-	-	-
<i>Scrophularia auriculata</i>	Water figwort	Native	-	R	-	-	-	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-	-	R	R
<i>Scutellaria galericulata</i>	Skullcap	Native	-	R	-	-	-	-
<i>Senecio aquaticus</i>	Marsh ragwort	Native	Eng NT	R	LF	-	R	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	-	-	-	-
<i>Silene dioica</i>	Red campion	Native	-	R	R	R	-	-
<i>Silene flos-cuculi</i>	Ragged-robin	Native	Eng NT	R	R	-	-	-

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				1	2	3	4	5
<i>Solanum dulcamara</i>	Bittersweet	Native	-	O	R	R	R	-
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	-	-	-	-
<i>Sorbus aucuparia</i>	Rowan	Native	-	R	-	-	-	R
<i>Sparganium erectum</i>	Branched bur-reed	Native	-	R	-	-	-	-
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	O	R	R	R	R
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	-	R	R	-	-
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	-	R	R	-	-
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	LA	-	R	LF	LA
<i>Symphoricarpos albus</i>	Snowberry	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Symphytum officinale</i>	Common comfrey	Native	-	R	-	-	-	-
<i>Tamus communis</i>	Black bryony	Native	AWI	R	-	-	-	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	R	O	-	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	-	O	-	-	-
<i>Trifolium repens</i>	White clover	Native	-	-	F	-	-	-
<i>Triticum aestivum</i>	Bread wheat	Neophyte - Casual	-	-	-	-	-	R
<i>Ulmus glabra</i>	Wych elm	Native	AWI	-	-	-	R	-
<i>Ulmus procera</i>	English elm	Native	-	-	-	R	-	-
<i>Urtica dioica</i>	Common nettle	Native	-	A	LD	D	F-LA	LD
<i>Valeriana officinalis</i>	Common valerian	Native	Eng NT	-	-	R	R	LA
<i>Veronica beccabunga</i>	Brooklime	Native	-	-	-	R	R	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	LF	R	-	-	LA
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	R	-	R	R	-
<i>Veronica hederifolia</i> subsp. <i>lucorum</i>	Ivy-leaved speedwell	Archaeophyte	-	-	-	-	-	R
<i>Veronica montana</i>	Wood speedwell	Native	AWI	F	-	O	O	A
<i>Veronica scutellata</i>	Marsh speedwell	Native	Eng NT	R	-	-	-	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R	R	-	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR				
				1	2	3	4	5
<i>Viburnum opulus</i>	Guelder-rose	Native	AWI	-	-	R	R	-
<i>Viola reichenbachiana</i>	Early dog-violet	Native	AWI	-	-	-	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	-	-	-	-

Table B2: Summary of Plant Taxa Recorded from Durley Hedge 1

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Pteridium aquilinum</i>	Bracken	Native	-	O
Conifers				
<i>Chamaecyparis lawsoniana</i>	Lawson's cypress	Neophyte	-	R
Flowering plants				
<i>Acer campestre</i>	Field maple	Neophyte - Planted	-	R
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	O
<i>Anemone nemorosa</i>	Wood anemone	Native	AWI	R
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	F
<i>Berberis darwinii</i>	Darwin's barberry	Neophyte	-	F
<i>Betula pubescens</i>	Downy birch	Native	-	R
<i>Bromopsis ramosa</i>	Hairy-brome	Native	AWI	R
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	R
<i>Corylus avellana</i>	Hazel	Native	-	O
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F
<i>Digitalis purpurea</i>	Foxglove	Native	-	O
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	R
<i>Fagus sylvatica</i>	Beech	Native	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	LF
<i>Fraxinus excelsior</i>	Ash	Native	-	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Geranium robertianum</i>	Herb-robert	Native	-	F
<i>Geum urbanum</i>	Wood avens	Native	-	F
<i>Hedera helix</i>	Common ivy	Native	-	F
<i>Heracleum sphondylium</i>	Hogweed	Native	-	F
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	F
<i>Ilex aquifolium</i>	Holly	Native	-	D
<i>Iris foetidissima</i>	Stinking iris	Native	AWI	R
<i>Lapsana communis</i>	Nipplewort	Native	-	F
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	F
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R
<i>Melica uniflora</i>	Wood melick	Native	AWI	LA
<i>Persicaria maculosa</i>	Redshank	Native	-	R
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte - Planted	INNS	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	F
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	O
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F
<i>Rosa arvensis</i>	Field-rose	Native	AWI	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	F
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	R
<i>Ruscus aculeatus</i>	Butcher's-broom	Native	AWI	R
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	R
<i>Scrophularia nodosa</i>	Common figwort	Native	-	O
<i>Silene latifolia</i>	White campion	Archaeophyte	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Sonchus oleraceus</i>	Smooth sow-thistle	Native	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	LA
<i>Tamus communis</i>	Black bryony	Native	AWI	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Trifolium repens</i>	White clover	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	O
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R

Table B3: Summary of Plant Taxa Recorded from Durley Hedge 2

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR		
				1	2	3
Ferns and allies						
<i>Asplenium scolopendrium</i>	Hart's-tongue	Native	-	R	-	-
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	LF	-	-
<i>Blechnum spicant</i>	Hard-fern	Native	AWI	R	-	-
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	Native	AWI	R	-	-
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R	-	-
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	R	-	-
<i>Polystichum setiferum</i>	Soft shield-fern	Native	AWI	R	-	-
<i>Pteridium aquilinum</i>	Bracken	Native	-	O	-	-
Flowering plants						
<i>Achillea millefolium</i>	Yarrow	Native	-	-	-	R
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	LD	-	-
<i>Agrostis capillaris</i>	Common bent	Native	-	-	-	A
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	-	A	LA
<i>Ajuga reptans</i>	Bugle	Native	-	R	-	-
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R	F	-
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	-	R	-
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	R	-	-
<i>Bellis perennis</i>	Daisy	Native	-	-	-	R
<i>Betula pendula</i>	Silver birch	Native	-	LF	-	-
<i>Betula pubescens</i>	Downy birch	Native	-	R	-	-
<i>Buddleja davidii</i>	Butterfly-bush	Neophyte - Naturalised	INNS	R	-	-
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR		
				1	2	3
<i>Carex hirta</i>	Hairy sedge	Native	-	-	F	F
<i>Carex laevigata</i>	Smooth-stalked sedge	Native	AWI	R	-	-
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R	-	-
<i>Carex remota</i>	Remote sedge	Native	AWI	LF	-	-
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	R	-	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	-	-	O
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	R	R	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	-	O	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	-	F	-
<i>Corylus avellana</i>	Hazel	Native	-	F	-	-
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O	-	-
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	-	-	R
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	-	-	O
<i>Cytisus scoparius</i>	Broom	Native	-	R	-	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	-	R	R
<i>Elytrigia repens</i>	Common couch	Native	-	-	-	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	O	-
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	-	O	-
<i>Fagus sylvatica</i>	Beech	Native	-	R	-	-
<i>Fallopia japonica</i>	Japanese knotweed	Neophyte	Schedule 9	R	-	-
<i>Galium aparine</i>	Cleavers	Native	-	O	-	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	R	-	-
<i>Geum urbanum</i>	Wood avens	Native	-	R	-	-
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	-	-	R
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	-	O	-
<i>Hedera helix</i>	Common ivy	Native	-	A	-	-
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	R	A	-
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R	-	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	-	-	LF

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR		
				1	2	3
<i>Ilex aquifolium</i>	Holly	Native	-	A	-	-
<i>Iris pseudacorus</i>	Yellow iris	Native	-	LF	R	-
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	-	R	R
<i>Juncus effusus</i>	Soft-rush	Native	-	LF	A	-
<i>Juncus inflexus</i>	Hard rush	Native	-	-	R	-
<i>Lamium galeobdolon</i> subsp. <i>montanum</i>	Yellow archangel	Native	-	LF	-	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	-	-	A
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	O	-	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	-	R	-
<i>Luzula pilosa</i>	Hairy wood-rush	Native	AWI	R	-	-
<i>Lysimachia nemorum</i>	Yellow pimpernel	Native	AWI	LF	-	-
<i>Melampyrum pratense</i>	Common cow-wheat	Native	AWI, Eng NT	R	-	-
<i>Mentha aquatica</i>	Water mint	Native	-	-	A	-
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	-	O	-
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	-	R	-
<i>Phleum pratense</i>	Timothy	Native	-	-	R	F
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	-	-	R
<i>Plantago major</i>	Greater plantain	Native	-	-	-	R
<i>Polygonatum multiflorum</i>	Solomon's-seal	Native	AWI	LF	-	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	R	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	LD	-	-
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	-	R	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	D	-	-
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	-	R	F
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	-	A	LF
<i>Ribes rubrum</i>	Red currant	-	AWI	R	-	-
<i>Rosa arvensis</i>	Field-rose	Native	AWI	LF	-	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	A	-	-
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	A	-	-
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	-	O	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR		
				1	2	3
<i>Rumex crispus</i>	Curled dock	Native	-	-	R	-
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	-	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	LF	-	-
<i>Ruscus aculeatus</i>	Butcher's-broom	Native	AWI	R	-	-
<i>Salix caprea</i>	Goat willow	Native	-	R	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	A	R	-
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R	-	-
<i>Sambucus nigra</i>	Elder	Native	-	R	-	-
<i>Sanicula europaea</i>	Sanicle	Native	AWI, Eng NT	R	-	-
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	-	O	R
<i>Schedonorus giganteus</i>	Giant fescue	Native	AWI	R	-	-
<i>Scirpus sylvaticus</i>	Wood club-rush	Native	-	R	-	-
<i>Scorzoneroides autumnalis</i>	Autumn hawkbit	Native	-	-	R	O
<i>Solanum dulcamara</i>	Bittersweet	Native	-	LF	R	-
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	-	R	-
<i>Tamus communis</i>	Black bryony	Native	AWI	R	-	-
<i>Taraxacum agg.</i>	Dandelion	Native	-	-	-	F
<i>Trifolium repens</i>	White clover	Native	-	-	-	A
<i>Urtica dioica</i>	Common nettle	Native	-	A	A	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	-	R	-



Table B4: Summary of Plant Taxa Recorded from Durley Green Lane

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Bryophytes				
<i>Brachythecium rutabulum</i>	-	-	-	LF
<i>Pellia epiphylla</i>	-	-	-	LA
Ferns and allies				
<i>Asplenium scolopendrium</i>	Hart's-tongue	Native	-	R
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	R
<i>Dryopteris affinis</i>	Scaly male-fern	Native	AWI	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	LF
<i>Equisetum arvense</i>	Field horsetail	Native	-	R
<i>Equisetum fluviatile</i>	Water horsetail	Native	-	LF
<i>Polystichum setiferum</i>	Soft shield-fern	Native	AWI	R
Flowering plants				
<i>Achillea millefolium</i>	Yarrow	Native	-	R
<i>Agrostis capillaris</i>	Common bent	Native	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	LF
<i>Alnus glutinosa</i>	Alder	Native	-	R
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	R
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	R
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	LA
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	LA
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	R
<i>Bellis perennis</i>	Daisy	Native	-	R
<i>Bromus hordeaceus</i>	Soft-brome	Native	-	LF
<i>Caltha palustris</i>	Marsh-marigold	Native	-	LA
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	LF
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	R
<i>Carex laevigata</i>	Smooth-stalked sedge	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Carex leporina</i>	Oval sedge	Native	-	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R
<i>Carex remota</i>	Remote sedge	Native	AWI	LF
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	LF
<i>Cirsium arvense</i>	Creeping thistle	Native	-	LF
<i>Cirsium palustre</i>	Marsh thistle	Native	-	F
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R
<i>Corylus avellana</i>	Hazel	Native	-	LF
<i>Crataegus monogyna</i>	Hawthorn	Native	-	LF
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	F
<i>Dactylorhiza fuchsii</i>	Common spotted-orchid	Native	-	R
<i>Digitalis purpurea</i>	Foxglove	Native	-	R
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	R
<i>Epilobium tetragonum</i>	Square-stalked willowherb	Native	-	LF
<i>Euonymus europaeus</i>	Spindle	Native	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	F
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	LF
<i>Fraxinus excelsior</i>	Ash	Native	-	F
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	LF
<i>Geranium robertianum</i>	Herb-robert	Native	-	O
<i>Geum urbanum</i>	Wood avens	Native	-	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LF
<i>Hedera helix</i>	Common ivy	Native	-	LA
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	F-LA
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	R
<i>Hypericum tetrapterum</i>	Square-stalked st John's-wort	Native	-	LF
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Ilex aquifolium</i>	Holly	Native	-	R
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	LD
<i>Juncus articulatus</i>	Jointed rush	Native	-	R
<i>Juncus bufonius</i>	Toad rush	Native	-	R
<i>Juncus conglomeratus</i>	Compact rush	Native	-	LF
<i>Juncus effusus</i>	Soft-rush	Native	-	LD
<i>Juncus inflexus</i>	Hard rush	Native	-	LA
<i>Lamium galeobdolon</i> subsp. <i>montanum</i>	Yellow archangel	Native	-	LA
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	LF
<i>Lepidium coronopus</i>	Swine-cress	Archaeophyte	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LD
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	LF
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	R
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	LF
<i>Luzula campestris</i>	Field wood-rush	Native	-	R
<i>Lysimachia nemorum</i>	Yellow pimpernel	Native	AWI	LF
<i>Mentha aquatica</i>	Water mint	Native	-	LF
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	R
<i>Moehringia trinervia</i>	Three-nerved sandwort	Native	AWI	R
<i>Myosotis laxa</i>	Tufted forget-me-not	Native	-	R
<i>Nasturtium officinale</i> agg.	Watercress	-	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	LA
<i>Persicaria maculosa</i>	Redshank	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	F
<i>Polygonum aviculare</i> agg.	A knotgrass	Native	-	R
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	R
<i>Primula vulgaris</i>	Primrose	Native	AWI	R
<i>Prunella vulgaris</i>	Selfheal	Native	-	R
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte - Naturalised	INNS	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	R
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	LF
<i>Ranunculus sceleratus</i>	Celery-leaved buttercup	Native	-	R
<i>Ribes nigrum</i>	Black currant	Neophyte	AWI	R
<i>Rosa arvensis</i>	Field-rose	Native	AWI	R
<i>Rosa canina group Transitoriae</i>	A dog rose	Native	-	R
<i>Rubus armeniacus</i>	Himalayan giant bramble	Neophyte - Naturalised	INNS	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	F-LD
<i>Rumex acetosa</i>	Common sorrel	Native	-	LF
<i>Rumex sanguineus</i>	Wood dock	Native	-	R
<i>Sagina procumbens</i>	Procumbent pearlwort	Native	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	LD
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R
<i>Sambucus nigra</i>	Elder	Native	-	R
<i>Schedonorus pratensis</i>	Meadow fescue	Native	-	R
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R
<i>Silene flos-cuculi</i>	Ragged-robin	Native	Eng NT	LF
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	R
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	R
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	LF
<i>Succisa pratensis</i>	Devil's-bit scabious	Native	Eng NT	R
<i>Tamus communis</i>	Black bryony	Native	AWI	R
<i>Teucrium scorodonia</i>	Wood sage	Native	-	R
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	LF
<i>Trifolium repens</i>	White clover	Native	-	F
<i>Ulmus procera</i>	English elm	Native	-	R
<i>Urtica dioica</i>	Common nettle	Native	-	F-LD

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R
<i>Veronica beccabunga</i>	Brooklime	Native	-	LA
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R

Table B5: Summary of Plant Taxa Recorded from Wintershill

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Equisetum arvense</i>	Field horsetail	Native	-	R
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	LF
<i>Alnus glutinosa</i>	Alder	Native	-	LF
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	A
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	R
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	R
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	D
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	O
<i>Carex otrubae</i>	False fox-sedge	Native	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	O
<i>Cirsium arvense</i>	Creeping thistle	Native	-	O
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R
<i>Convolvulus arvensis</i>	Field bindweed	Native	-	R
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	O
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Dipsacus fullonum</i>	Wild teasel	Native	-	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	LA
<i>Epilobium montanum</i>	Broad-leaved willowherb	Native	-	R
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	F
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	LF
<i>Fraxinus excelsior</i>	Ash	Native	-	LF
<i>Galium aparine</i>	Cleavers	Native	-	F
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	O
<i>Geranium robertianum</i>	Herb-robert	Native	-	R
<i>Hedera helix</i>	Common ivy	Native	-	R
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	D
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	LA
<i>Juncus conglomeratus</i>	Compact rush	Native	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	R
<i>Juncus inflexus</i>	Hard rush	Native	-	LD
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R
<i>Ligustrum vulgare</i>	Wild privet	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	F
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	LD
<i>Plantago major</i>	Greater plantain	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte	-	LA
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	LD
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	F
<i>Quercus robur</i>	Pedunculate oak	Native	-	LF

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F
<i>Rosa arvensis</i>	Field-rose	Native	AWI	R
<i>Rosa canina group Transitoriae</i>	A dog rose	Native	-	R
<i>Rosa x dumalis</i>	-	Native	-	R
<i>Rosa x irregularis</i>	-	Native	-	LA
<i>Rubus caesius</i>	Dewberry	Native	-	R
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	LD
<i>Rumex acetosa</i>	Common sorrel	Native	-	LF
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	O
<i>Rumex crispus</i>	Curled dock	Native	-	F
<i>Salix cinerea</i>	Grey willow	Native	-	R
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	LA
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	LD
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R
<i>Symphytum x uplandicum</i>	Russian comfrey	Neophyte	-	R
<i>Taraxacum agg.</i>	Dandelion	Native	-	O
<i>Torilis japonica</i>	Upright hedge-parsley	Native	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	R
<i>Trifolium repens</i>	White clover	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	LA
<i>Veronica beccabunga</i>	Brooklime	Native	-	R
<i>Vicia sativa</i>	Common vetch	Native	-	R
<i>Vicia sepium</i>	Bush vetch	Native	AWI	R
<i>Vicia tetrasperma</i>	Smooth tare	Native	-	R



Table B6: Summary of Plant Taxa Recorded from Stephen's Castle Down

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				East	West
Conifers					
<i>Taxus baccata</i>	Yew	Native	-	R	-
Flowering plants					
<i>Acer campestre</i>	Field maple	Native	AWI	R	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R	R
<i>Achillea millefolium</i>	Yarrow	Native	-	F	-
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	F	F
<i>Agrostis capillaris</i>	Common bent	Native	-	A	F
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	LA	F
<i>Anagallis arvensis</i> subsp. <i>arvensis</i> f. <i>arvensis</i>	Scarlet pimpernel	Native	-	LA	-
<i>Anisantha diandra</i>	Great brome	Neophyte	-	R	-
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	A	LA
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	D	LD
<i>Artemisia vulgaris</i>	Mugwort	Archaeophyte	-	R	R
<i>Borago officinalis</i>	Borage	Neophyte	-	LF	LF
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	F	-
<i>Briza media</i>	Quaking-grass	Native	Eng NT	-	F
<i>Bromopsis erecta</i>	Upright brome	Native	-	-	A
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R	-
<i>Campanula rotundifolia</i>	Harebell	Native	Eng NT	-	R
<i>Carex caryophylllea</i>	Spring-sedge	Native	-	-	LF
<i>Carex flacca</i>	Glaucous sedge	Native	-	-	LF
<i>Centaurea nigra</i>	Common knapweed	Native	-	A	F
<i>Centaurea scabiosa</i>	Greater knapweed	Native	-	F	F
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	O	O
<i>Cirsium acaule</i>	Dwarf thistle	Native	-	-	LF
<i>Cirsium arvense</i>	Creeping thistle	Native	-	LA	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				East	West
<i>Cirsium vulgare</i>	Spear thistle	Native	-	O	O
<i>Clematis vitalba</i>	Traveller's-joy	Native	-	LA	LA
<i>Clinopodium vulgare</i>	Wild basil	Native	-	F	F
<i>Convolvulus arvensis</i>	Field bindweed	Native	-	R	R
<i>Cornus sanguinea</i>	Dogwood	Native	-	F	F
<i>Corylus avellana</i>	Hazel	Native	-	O	R
<i>Crataegus monogyna</i>	Hawthorn	Native	-	D	F
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	R	-
<i>Cruciata laevipes</i>	Crosswort	Native	Eng NT	F	F
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F	F
<i>Daucus carota</i> subsp. <i>carota</i>	Wild carrot	Native	-	F	F
<i>Elytrigia repens</i>	Common couch	Native	-	-	R
<i>Euonymus europaeus</i>	Spindle	Native	-	O	R
<i>Fagus sylvatica</i>	Beech	Neophyte - Planted	-	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	F	F-LA
<i>Fraxinus excelsior</i>	Ash	Native	-	F	-
<i>Galium album</i>	White bedstraw	Native	-	R	-
<i>Galium aparine</i>	Cleavers	Native	-	R	-
<i>Galium verum</i>	Lady's bedstraw	Native	-	F	F
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R	-
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	LF	R
<i>Heracleum sphondylium</i>	Hogweed	Native	-	LA	LF
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R	O
<i>Knautia arvensis</i>	Field scabious	Native	Eng NT	R	-
<i>Koeleria macrantha</i>	Crested hair-grass	Native	-	-	LF
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	-	R
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	F	LF
<i>Leontodon hispidus</i>	Rough hawkbit	Native	-	F	F
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				East	West
<i>Ligustrum vulgare</i>	Wild privet	Native	-	F	-
<i>Linaria vulgaris</i>	Common toadflax	Native	-	O	R
<i>Linum catharticum</i>	Fairy flax	Native	-	-	LF
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	-	R
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	-	R
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	LA	F-LA
<i>Malus pumila</i>	Apple	Neophyte	-	-	R
<i>Malva moschata</i>	Musk-mallow	Native	-	-	LF
<i>Medicago lupulina</i>	Black medick	Native	-	O	O
<i>Mentha spicata</i>	Spear mint	Archaeophyte	-	-	LA
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	R	-
<i>Odontites vernus</i>	Red bartsia	Native	-	O	R
<i>Ononis repens</i>	Common restharrow	Native	-	F	F-LA
<i>Origanum vulgare</i>	Wild marjoram	Native	-	LA	R
<i>Phleum bertolonii</i>	Smaller cat's-tail	Native	-	-	O
<i>Phleum pratense</i>	Timothy	Native	-	O	R
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Native	-	F	F
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	F	F
<i>Plantago major</i>	Greater plantain	Native	-	-	LF
<i>Potentilla anserina</i>	Silverweed	Native	-	R	R
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R	R
<i>Poterium sanguisorba</i> subsp. <i>sanguisorba</i>	Salad burnet	Native	-	R	LF
<i>Prunella vulgaris</i>	Selfheal	Native	-	O	-
<i>Prunus spinosa</i>	Blackthorn	Native	-	R	R
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	R	R
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F	R
<i>Reseda lutea</i>	Wild mignonette	Native	-	R	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				East	West
<i>Rhamnus cathartica</i>	Buckthorn	Native	-	F	F
<i>Rosa canina</i> agg.	A dog rose	Native	-	-	O
<i>Rosa canina</i> group <i>Transitoriae</i>	A dog rose	Native	-	R	-
<i>Rosa micrantha</i>	Small-flowered sweet-briar	Native	-	R	-
<i>Rubus caesius</i>	Dewberry	Native	-	LA	LD
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	F	LD
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	R	-
<i>Sambucus nigra</i>	Elder	Native	-	R	R
<i>Scabiosa columbaria</i>	Small scabious	Native	-	O	LF
<i>Scorzoneroides autumnalis</i>	Autumn hawkbit	Native	-	F	F
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	O	-
<i>Sherardia arvensis</i>	Field madder	Native	-	LA	R
<i>Silene latifolia</i>	White campion	Archaeophyte	-	R	R
<i>Silene vulgaris</i>	Bladder campion	Native	-	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	R
<i>Sonchus arvensis</i>	Perennial sow-thistle	Native	-	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	R
<i>Sorbus aria</i>	Common whitebeam	Native	-	R	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	R	R
<i>Tamus communis</i>	Black bryony	Native	AWI	-	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	O	F
<i>Torilis japonica</i>	Upright hedge-parsley	Native	-	O	R
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	F	F
<i>Trifolium repens</i>	White clover	Native	-	F	F
<i>Urtica dioica</i>	Common nettle	Native	-	LA	LF
<i>Verbascum thapsus</i>	Great mullein	Native	-	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	O	O



Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				East	West
<i>Veronica persica</i>	Common field-speedwell	Neophyte	-	R	-
<i>Viburnum lantana</i>	Wayfaring-tree	Native	-	F	-
<i>Vicia cracca</i>	Tufted vetch	Native	-	F	O

Table B7: Summary of Plant Taxa Recorded from Betty Mundy's Bottom

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Grassland	Woodland
Conifers					
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	-	D
<i>Taxus baccata</i>	Yew	Native	-	-	F
Flowering plants					
<i>Achillea millefolium</i>	Yarrow	Native	-	O	-
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	O	F
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	A	-
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	D	A
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	O	-
<i>Arctium minus</i>	Lesser burdock	Native	-	-	O
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	D	A
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	-	R
<i>Carduus crispus</i>	Wetted thistle	Native	-	R	-
<i>Carex flacca</i>	Glaucous sedge	Native	-	O	-
<i>Centaurea scabiosa</i>	Greater knapweed	Native	-	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	O	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	F	O
<i>Cirsium vulgare</i>	Spear thistle	Native	-	O	O
<i>Clematis vitalba</i>	Traveller's-joy	Native	-	-	O
<i>Cornus sanguinea</i>	Dogwood	Native	-	-	O
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O	O

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				Grassland	Woodland
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	R	-
<i>Cruciata laevipes</i>	Crosswort	Native	Eng NT	A	A
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	F	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	A	A
<i>Daucus carota</i>	Carrot	Native	-	F	R
<i>Fagus sylvatica</i>	Beech	Native	-	-	D
<i>Festuca rubra</i>	Red fescue	Native	-	-	F
<i>Fraxinus excelsior</i>	Ash	Native	-	-	D
<i>Galium aparine</i>	Cleavers	Native	-	A	A
<i>Galium verum</i>	Lady's bedstraw	Native	-	A	-
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	F	A
<i>Geum urbanum</i>	Wood avens	Native	-	-	F
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	O	F
<i>Heracleum sphondylium</i>	Hogweed	Native	-	A	A
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	A	F
<i>Hypericum hirsutum</i>	Hairy St John's-wort	Native	-	R	-
<i>Knautia arvensis</i>	Field scabious	Native	Eng NT	F	-
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	-	O
<i>Leontodon hispidus</i>	Rough hawkbit	Native	-	F	-
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	A	O
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	-	A
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	A	R
<i>Medicago lupulina</i>	Black medick	Native	-	O	-
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	-	F
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	F	R
<i>Pastinaca sativa</i>	Wild parsnip	Native	-	O	-
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O	O
<i>Plantago major</i>	Greater plantain	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Grassland	Woodland
<i>Poa annua</i>	Annual meadow-grass	Native	-	A	A
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	D	D
<i>Potentilla anserina</i>	Silverweed	Native	-	-	O
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	O	-
<i>Poterium sanguisorba</i>	Salad burnet	Native	-	R	-
<i>Primula veris</i>	Cowslip	Native	-	F	-
<i>Prunus spinosa</i>	Blackthorn	Native	-	-	O
<i>Quercus robur</i>	Pedunculate oak	Native	-	-	O
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	O	F
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	R	A
<i>Rumex acetosa</i>	Common sorrel	Native	-	O	-
<i>Rumex crispus</i>	Curled dock	Native	-	F	O
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	O	-
<i>Rumex sanguineus</i>	Wood dock	Native	-	-	F
<i>Sambucus nigra</i>	Elder	Native	-	R	O
<i>Scabiosa columbaria</i>	Small scabious	Native	-	R	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	-	O
<i>Senecio jacobaea</i>	Common ragwort	Native	-	O	F
<i>Silene latifolia</i>	White campion	Archaeophyte	-	R	-
<i>Silene vulgaris</i>	Bladder campion	Native	-	R	-
<i>Sisymbrium officinale</i>	Hedge mustard	Archaeophyte	-	R	-
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	O	-
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	O	-
<i>Torilis japonica</i>	Upright hedge-parsley	Native	-	-	R
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	O	-
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	O	-
<i>Trifolium pratense</i>	Red clover	Native	-	O	R
<i>Trifolium repens</i>	White clover	Native	-	O	-



Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Grassland	Woodland
<i>Urtica dioica</i>	Common nettle	Native	-	D	D
<i>Verbascum thapsus</i>	Great mullein	Native	-	R	-
<i>Veronica arvensis</i>	Wall speedwell	Native	-	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	O	R
<i>Veronica persica</i>	Common field-speedwell	Neophyte	-	-	R

Table B8: Summary of Plant Taxa Recorded from Brockwood Roadside Strips

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
Ferns and allies					
<i>Dryopteris affinis</i> agg.	Scaly male-fern	Native	AWI	-	R
<i>Pteridium aquilinum</i>	Bracken	Native	-	O	O
Flowering plants					
<i>Acer campestre</i>	Field maple	Native	AWI	A	A
<i>Aegopodium podagraria</i>	Ground-elder	Archaeophyte	-	A	A
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R	R
<i>Allium ursinum</i>	Ramsons	Native	AWI	O	-
<i>Anemone nemorosa</i>	Wood anemone	Native	AWI	F	F
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	F	F
<i>Arctium minus</i>	Lesser burdock	Native	-	R	R
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	O	-
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	F	F
<i>Bromopsis ramosa</i>	Hairy-brome	Native	AWI	O	-
<i>Buxus sempervirens</i>	Box	-	NR	R	-
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	-	R
<i>Carex sylvatica</i>	Wood-sedge	Native	AWI	R	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	-	O
<i>Cirsium arvense</i>	Creeping thistle	Native	-	O	-
<i>Clematis vitalba</i>	Traveller's-joy	Native	-	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
<i>Conopodium majus</i>	Pignut	Native	AWI	-	R
<i>Corylus avellana</i>	Hazel	Native	-	D	D
<i>Crataegus monogyna</i>	Hawthorn	Native	-	A	A
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F	F
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	-	R
<i>Euonymus europaeus</i>	Spindle	Native	-	F	F
<i>Fagus sylvatica</i>	Beech	Native	-	D	D
<i>Fagus sylvatica</i> 'Purpurea'	Copper beech	Neophyte	-	R	-
<i>Ficaria verna</i> subsp. <i>fertilis</i>	Lesser celandine	Native	-	-	O
<i>Fragaria vesca</i>	Wild strawberry	Native	Eng NT	R	-
<i>Fraxinus excelsior</i>	Ash	Native	-	D	D
<i>Galium aparine</i>	Cleavers	Native	-	D	D
<i>Geranium robertianum</i>	Herb-robert	Native	-	F	F
<i>Geum urbanum</i>	Wood avens	Native	-	A	A
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R	-
<i>Hedera helix</i>	Common ivy	Native	-	D	D
<i>Heracleum sphondylium</i>	Hogweed	Native	-	A	A
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	-	O
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	O	O
<i>Ilex aquifolium</i>	Holly	Native	-	F	F
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variiegated yellow archangel	Neophyte	Schedule 9	O	-
<i>Lamiastrum galeobdolon</i> subsp. <i>montanum</i>	Yellow archangel	Native	-	-	O
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	R	-
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	-	R
<i>Melica uniflora</i>	Wood melick	Native	AWI	F	F
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	A	A
<i>Plantago major</i>	Greater plantain	Native	-	O	O
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A	A

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
<i>Polygonatum multiflorum</i>	Solomon's-seal	Native	AWI	F	F
<i>Potentilla anserina</i>	Silverweed	Native	-	R	R
<i>Primula vulgaris</i>	Primrose	Native	AWI	R	R
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	-	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	F	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F	F
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	A	A
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	F	F
<i>Rumex sanguineus</i>	Wood dock	Native	-	F	F
<i>Sambucus nigra</i>	Elder	Native	-	A	A
<i>Schedonorus giganteus</i>	Giant fescue	Native	AWI	R	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	-	O
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	O	O
<i>Urtica dioica</i>	Common nettle	Native	-	D	D
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	O	O
<i>Veronica montana</i>	Wood speedwell	Native	AWI	R	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	R



Table B9: Summary of Plant Taxa Recorded from Disused Railway

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Asplenium scolopendrium</i>	Hart's-tongue	Native	-	O
<i>Dryopteris affinis</i> agg.	Scaly male-fern	Native	AWI	F
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	F
Conifers				
<i>Taxus baccata</i>	Yew	Native	-	O
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	F
<i>Acer platanoides</i>	Norway maple	Neophyte	-	O
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	A
<i>Adoxa moschatellina</i>	Moschatel	Native	AWI	R
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	F
<i>Anemone nemorosa</i>	Wood anemone	Native	AWI	R
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	O
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	F
<i>Arctium minus</i>	Lesser burdock	Native	-	O
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	A
<i>Carex divulsa</i>	Grey sedge	Native	-	R
<i>Carex sylvatica</i>	Wood-sedge	Native	AWI	O
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	A
<i>Clematis vitalba</i>	Traveller's-joy	Native	-	O
<i>Cornus sanguinea</i>	Dogwood	Native	-	F
<i>Corylus avellana</i>	Hazel	Native	-	D
<i>Crataegus monogyna</i>	Hawthorn	Native	-	A
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	O
<i>Epilobium montanum</i>	Broad-leaved willowherb	Native	-	R
<i>Euonymus europaeus</i>	Spindle	Native	-	F
<i>Fagus sylvatica</i>	Beech	Native	-	F
<i>Ficaria verna</i> subsp. <i>fertilis</i>	Lesser celandine	Native	-	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Fraxinus excelsior</i>	Ash	Native	-	A
<i>Galium aparine</i>	Cleavers	Native	-	A
<i>Geranium robertianum</i>	Herb-robert	Native	-	A
<i>Geum urbanum</i>	Wood avens	Native	-	A
<i>Hedera helix</i>	Common ivy	Native	-	D
<i>Heracleum sphondylium</i>	Hogweed	Native	-	O
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	O
<i>Hyacinthoides x massartiana</i>	Garden bluebell	Neophyte	-	A
<i>Ilex aquifolium</i>	Holly	Native	-	F
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	O
<i>Ligustrum vulgare</i>	Wild privet	Native	-	R
<i>Melica uniflora</i>	Wood melick	Native	AWI	R
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	D
<i>Milium effusum</i>	Wood millet	Native	AWI	F
<i>Poa annua</i>	Annual meadow-grass	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	F
<i>Polygonatum multiflorum</i>	Solomon's-seal	Native	AWI	A
<i>Prunus spinosa</i>	Blackthorn	Native	-	O
<i>Quercus robur</i>	Pedunculate oak	Native	-	D
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R
<i>Ranunculus auricomus</i>	Goldilocks buttercup	Native	AWI	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	O
<i>Ribes rubrum</i>	Red currant	-	AWI	A
<i>Ribes uva-crispa</i>	Gooseberry	Neophyte	-	F
<i>Rosa canina</i> agg.	A dog rose	Native	-	O
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	D
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	F
<i>Rumex sanguineus</i>	Wood dock	Native	-	F
<i>Salix cinerea</i>	Grey willow	Native	-	O
<i>Sambucus nigra</i>	Elder	Native	-	F
<i>Sanicula europaea</i>	Sanicle	Native	AWI, Eng NT	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Silene dioica</i>	Red campion	Native	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	O
<i>Symphoricarpos albus</i>	Snowberry	Neophyte	INNS	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	O
<i>Ulmus procera</i>	English elm	Native	-	D
<i>Urtica dioica</i>	Common nettle	Native	-	D
<i>Veronica beccabunga</i>	Brooklime	Native	-	R
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	F
<i>Veronica montana</i>	Wood speedwell	Native	AWI	A
<i>Vicia sepium</i>	Bush vetch	Native	AWI	O
<i>Viola odorata</i>	Sweet violet	Native	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	O

Table B10: Summary of Plant Taxa Recorded from Caker Stream Floodplain

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	D
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	D
<i>Corylus avellana</i>	Hazel	Native	-	D
<i>Crataegus monogyna</i>	Hawthorn	Native	-	F
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	O
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	O
<i>Fraxinus excelsior</i>	Ash	Native	-	O
<i>Galium aparine</i>	Cleavers	Native	-	A
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	F
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	O
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	D
<i>Malus pumila</i>	Apple	Neophyte	-	R
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	F
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Rosa canina</i> agg.	A dog rose	Native	-	F
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	A
<i>Rumex acetosa</i>	Common sorrel	Native	-	F
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	A
<i>Salix cinerea</i>	Grey willow	Native	-	R
<i>Sambucus nigra</i>	Elder	Native	-	F
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	D

Table B11: Summary of Plant Taxa Recorded from Water Lane

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Bryophytes				
<i>Mnium hornum</i>	-	Native	-	R
Ferns and allies				
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	F
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	O
<i>Polystichum setiferum</i>	Soft shield-fern	Native	AWI	R
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	D
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	F
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	F
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	O
<i>Bromopsis ramosa</i>	Hairy-brome	Native	AWI	R
<i>Cornus sanguinea</i>	Dogwood	Native	-	R
<i>Corylus avellana</i>	Hazel	Native	-	D
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R
<i>Epilobium tetragonum</i>	Square-stalked willowherb	Native	-	O
<i>Fraxinus excelsior</i>	Ash	Native	-	F
<i>Galium aparine</i>	Cleavers	Native	-	A
<i>Geranium robertianum</i>	Herb-robert	Native	-	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Geum urbanum</i>	Wood avens	Native	-	O
<i>Hedera helix</i>	Common ivy	Native	-	D
<i>Heracleum sphondylium</i>	Hogweed	Native	-	O
<i>Ilex aquifolium</i>	Holly	Native	-	O
<i>Lapsana communis</i>	Nipplewort	Native	-	O
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	A
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A
<i>Primula vulgaris</i>	Primrose	Native	AWI	O
<i>Quercus robur</i>	Pedunculate oak	Native	-	O
<i>Rosa canina</i> agg.	A dog rose	Native	-	O
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	A
<i>Sambucus nigra</i>	Elder	Native	-	F
<i>Silene dioica</i>	Red campion	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	A

Table B12: Summary of Plant Taxa Recorded from Floodplain of River Wey

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
Bryophytes					
<i>Pseudoscleropodium purum</i>	-	Native	-	R	-
Flowering plants					
<i>Acer campestre</i>	Field maple	Native	AWI	-	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R	-
<i>Acer saccharinum</i>	Silver maple	Neophyte - Planted	-	R	-
<i>Agrostis capillaris</i>	Common bent	Native	-	A	-
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	-	O
<i>Anagallis arvensis</i> subsp. <i>arvensis</i> f. <i>arvensis</i>	Scarlet pimpernel	Native	-	R	-
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	-	R
<i>Arctium minus</i> subsp. <i>minus</i>	Lesser burdock	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	LD	O
<i>Bellis perennis</i>	Daisy	Native	-	-	F
<i>Blackstonia perfoliata</i>	Yellow-wort	Native	-	R	-
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R	-
<i>Bryonia dioica</i>	White bryony	Native	-	R	-
<i>Buddleja davidii</i>	Butterfly-bush	Neophyte	INNS	R	-
<i>Callitriche</i> agg.	A water-starwort	Native	-	-	LA
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	-	F
<i>Carduus crispus</i>	Wetted thistle	Native	-	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	-	R
<i>Centaureum erythraea</i>	Common centaury	Native	-	F	-
<i>Chaerophyllum temulum</i>	Rough chervil	Native	-	-	R
<i>Chenopodium rubrum</i>	Red goosefoot	Native	-	R	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	O	-
<i>Cirsium vulgare</i>	Spear thistle	Native	-	O	O
<i>Clinopodium vulgare</i>	Wild basil	Native	-	A	-
<i>Convolvulus arvensis</i>	Field bindweed	Native	-	R	-
<i>Cornus sanguinea</i>	Dogwood	Native	-	R	R
<i>Corylus avellana</i>	Hazel	Native	-	R	F
<i>Crataegus monogyna</i>	Hawthorn	Native	-	LD	LD
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	O	-
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	-	O
<i>Dipsacus fullonum</i>	Wild teasel	Native	-	O	O
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	-	O
<i>Epilobium tetragonum</i>	Square-stalked willowherb	Native	-	R	-
<i>Fraxinus excelsior</i>	Ash	Native	-	-	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	O	-
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	-	LA
<i>Glyceria maxima</i>	Reed sweet-grass	Native	-	-	F

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				North	South
<i>Heracleum sphondylium</i>	Hogweed	Native	-	-	R
<i>Hippuris vulgaris</i>	Mare's-tail	Native	-	-	LA
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	O	F
<i>Humulus lupulus</i>	Hop	Native	-	-	R
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R	-
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	-	LF
<i>Juncus bufonius</i>	Toad rush	Native	-	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	-	R
<i>Juncus inflexus</i>	Hard rush	Native	-	R	-
<i>Lemna minor</i>	Common duckweed	Native	-	-	R
<i>Ligustrum vulgare</i>	Wild privet	Native	-	R	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	-	D
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	LF	-
<i>Malva moschata</i>	Musk-mallow	Native	-	R	-
<i>Medicago lupulina</i>	Black medick	Native	-	O	-
<i>Mentha aquatica</i>	Water mint	Native	-	-	O
<i>Mercurialis annua</i>	Annual mercury	Archaeophyte	-	R	-
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	R	-
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	-	R
<i>Nasturtium officinale</i> agg.	Watercress	-	-	-	LA
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	-	R
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	-	O
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O	-
<i>Plantago major</i>	Greater plantain	Native	-	R	F
<i>Polygonum aviculare</i>	Knotgrass	Native	-	-	R
<i>Potamogeton pectinatus</i>	Fennel pondweed	Native	Hants Scarce, VC12 Scarce	-	R
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	A	-
<i>Prunella vulgaris</i>	Selfheal	Native	-	O	-
<i>Prunus spinosa</i>	Blackthorn	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
<i>Quercus robur</i>	Pedunculate oak	Native	-	R	-
<i>Ranunculus penicillatus</i>	Stream water-crowfoot	Native	-	-	A
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F	F
<i>Ranunculus sceleratus</i>	Celery-leaved buttercup	Native	-	-	R
<i>Reseda luteola</i>	Weld	Archaeophyte	-	O	-
<i>Rosa canina</i> agg.	A dog rose	Native	-	-	R
<i>Rosa canina</i> group <i>Pubescentes</i>	A dog rose	Native	-	-	R
<i>Rubus caesius</i>	Dewberry	Native	-	-	A
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA	O
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	LA	F
<i>Rumex acetosa</i>	Common sorrel	Native	-	R	-
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	-	R
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	O	F
<i>Salix caprea</i>	Goat willow	Native	-	R	-
<i>Salix cinerea</i>	Grey willow	Native	-	R	-
<i>Sambucus nigra</i>	Elder	Native	-	R	O
<i>Scrophularia auriculata</i>	Water figwort	Native	-	-	R
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	A	-
<i>Silene dioica</i>	Red campion	Native	-	R	-
<i>Sisymbrium officinale</i>	Hedge mustard	Archaeophyte	-	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	F
<i>Sonchus oleraceus</i>	Smooth sow-thistle	Native	-	R	-
<i>Sparganium emersum</i>	Unbranched bur-reed	Native	-	-	LF
<i>Sparganium erectum</i>	Branched bur-reed	Native	-	-	O
<i>Taraxacum</i> agg.	Dandelion	Native	-	R	O
<i>Urtica dioica</i>	Common nettle	Native	-	LA	O
<i>Verbascum nigrum</i>	Dark mullein	Native	-	LF	-
<i>Veronica anagallis-aquatica</i>	Blue water-speedwell	Native	-	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				North	South
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R	-
<i>Veronica beccabunga</i>	Brooklime	Native	-	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R	-
<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	R	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R	-
<i>Viola odorata</i>	Sweet violet	Native	-	R	-

Table B13: Summary of Plant Taxa Recorded from Arable Weeds

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR
				South
Ferns and allies				
<i>Equisetum arvense</i>	Field horsetail	Native	-	R
Flowering plants				
<i>Aethusa cynapium</i>	Fool's parsley	-	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	A
<i>Anagallis arvensis</i> subsp. <i>arvensis</i> f. <i>arvensis</i>	Scarlet pimpernel	Native	-	A
<i>Arctium minus</i>	Lesser burdock	Native	-	F
<i>Atriplex patula</i>	Common orache	Native	-	F
<i>Avena fatua</i>	Wild-oat	Archaeophyte	-	F
<i>Bromus commutatus</i>	Meadow brome	Native	VC12 Scarce	R
<i>Bromus secalinus</i>	Rye brome	Archaeophyte	Eng NT, GB VU, NS	R
<i>Buddleja davidii</i>	Butterfly-bush	Neophyte	INNS	F
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Archaeophyte	-	A
<i>Chamerion angustifolium</i>	Rosebay willowherb	Native	-	F
<i>Chenopodium album</i>	Fat-hen	Native	-	F
<i>Cirsium arvense</i>	Creeping thistle	Native	-	F
<i>Cirsium vulgare</i>	Spear thistle	Native	-	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR
				South
<i>Convolvulus arvensis</i>	Field bindweed	Native	-	F
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	O
<i>Euphorbia helioscopia</i>	Sun spurge	Archaeophyte	-	F
<i>Fallopia convolvulus</i>	Black-bindweed	Archaeophyte	-	F
<i>Galium aparine</i>	Cleavers	Native	-	F
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	F
<i>Lamium purpureum</i>	Red dead-nettle	Archaeophyte	-	F
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	F
<i>Matricaria chamomilla</i>	Scented mayweed	Archaeophyte	-	F
<i>Matricaria discoidea</i>	Pineappleweed	Neophyte	-	F
<i>Persicaria lapathifolia</i>	Pale persicaria	Native	-	R
<i>Plantago major</i>	Greater plantain	Native	-	O
<i>Poa annua</i>	Annual meadow-grass	Native	-	F
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A
<i>Polygonum aviculare</i>	Knotgrass	Native	-	F
<i>Raphanus raphanistrum</i> subsp. <i>raphanistrum</i>	Wild radish	Archaeophyte	-	R
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	O
<i>Senecio vulgaris</i>	Groundsel	Native	-	O
<i>Sinapis arvensis</i>	Charlock	Archaeophyte	-	O
<i>Solanum nigrum</i>	Black nightshade	Native	-	O
<i>Sonchus arvensis</i>	Perennial sow-thistle	Native	-	O
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	O
<i>Tripleurospermum inodorum</i>	Scentless mayweed	Archaeophyte	-	A
<i>Urtica dioica</i>	Common nettle	Native	-	F
<i>Veronica persica</i>	Common field-speedwell	Neophyte	-	F



Table B14: Summary of Plant Taxa Recorded from Oak Park Golf Club

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	O
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	O
<i>Equisetum palustre</i>	Marsh horsetail	Native	-	O
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	LD
<i>Acer platanoides</i>	Norway maple	Neophyte	-	O
<i>Aegopodium podagraria</i>	Ground-elder	Archaeophyte	-	O
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	R
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	O
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	LD
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	LF
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	O
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	F
<i>Barbarea vulgaris</i>	Winter-cress	Native	-	R
<i>Bellis perennis</i>	Daisy	Native	-	LF
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	O
<i>Bromus hordeaceus</i>	Soft-brome	Native	-	R
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	O
<i>Carex remota</i>	Remote sedge	Native	AWI	O
<i>Centaurea nigra</i>	Common knapweed	Native	-	R
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	O
<i>Cirsium arvense</i>	Creeping thistle	Native	-	LF
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Cornus sanguinea</i>	Dogwood	Native	-	R
<i>Corylus avellana</i>	Hazel	Native	-	LF
<i>Crataegus monogyna</i>	Hawthorn	Native	-	LF
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	LF
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	LF
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	R
<i>Elytrigia repens</i>	Common couch	Native	-	LF
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	O
<i>Epilobium tetragonum</i>	Square-stalked willowherb	Native	-	R
<i>Fagus sylvatica</i>	Beech	Native	-	O
<i>Fagus sylvatica 'Purpurea'</i>	Copper beech	Neophyte	-	O
<i>Festuca rubra</i>	Red fescue	Native	-	LD
<i>Fraxinus angustifolia</i>	Narrow-leaved ash	Neophyte	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	LD
<i>Galium aparine</i>	Cleavers	Native	-	O
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	O
<i>Geum urbanum</i>	Wood avens	Native	-	R
<i>Hedera helix</i>	Common ivy	Native	-	LD
<i>Heracleum sphondylium</i>	Hogweed	Native	-	O
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	LD
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	O
<i>Juncus inflexus</i>	Hard rush	Native	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	R
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	R
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LD
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	O
<i>Lysimachia nummularia</i>	Creeping-jenny	Native	-	R
<i>Malus sylvestris</i>	Crab apple	Native	AWI	R
<i>Medicago lupulina</i>	Black medick	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	R
<i>Phleum pratense</i>	Timothy	Native	-	LA
<i>Plantago major</i>	Greater plantain	Native	-	O
<i>Poa annua</i>	Annual meadow-grass	Native	-	O
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	LD
<i>Populus nigra</i>	Black-poplar	-	-	R
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	O
<i>Primula veris</i>	Cowslip	Native	-	R
<i>Prunella vulgaris</i>	Selfheal	Native	-	O
<i>Prunus avium</i>	Wild cherry	Native	AWI	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	O
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	O
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	LD
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	O
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	O
<i>Rosa canina</i> agg.	A dog rose	Native	-	LF
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	O
<i>Rumex crispus</i>	Curled dock	Native	-	O
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	O
<i>Rumex sanguineus</i>	Wood dock	Native	-	LF
<i>Salix cinerea</i>	Grey willow	Native	-	R
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R
<i>Sambucus nigra</i>	Elder	Native	-	O
<i>Scrophularia nodosa</i>	Common figwort	Native	-	O
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	O
<i>Senecio vulgaris</i>	Groundsel	Native	-	R
<i>Sison amomum</i>	Stone parsley	Native	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	O
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	O



Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Tamus communis</i>	Black bryony	Native	AWI	R
<i>Tilia cordata</i>	Small-leaved lime	Native	AWI	O
<i>Torilis japonica</i>	Upright hedge-parsley	Native	-	O
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	R
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R
<i>Trifolium repens</i>	White clover	Native	-	LA
<i>Urtica dioica</i>	Common nettle	Native	-	LF
<i>Veronica montana</i>	Wood speedwell	Native	AWI	O
<i>Viburnum lantana</i>	Wayfaring-tree	Native	-	R
<i>Vicia cracca</i>	Tufted vetch	Native	-	R
<i>Vicia sativa</i>	Common vetch	Native	-	O
<i>Vicia tetrasperma</i>	Smooth tare	Native	-	R

Table B15: Summary of Plant Taxa Recorded from Ewshot Hedgerow

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	F
<i>Equisetum arvense</i>	Field horsetail	Native	-	O
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	F
<i>Aethusa cynapium</i>	Fool's parsley	-	-	R
<i>Ajuga reptans</i>	Bugle	Native	-	F
<i>Anemone nemorosa</i>	Wood anemone	Native	AWI	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	A
<i>Betula pendula</i>	Silver birch	Native	-	R
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	D
<i>Bromopsis ramosa</i>	Hairy-brome	Native	AWI	F
<i>Carex remota</i>	Remote sedge	Native	AWI	F
<i>Carex sylvatica</i>	Wood-sedge	Native	AWI	F
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Cirsium arvense</i>	Creeping thistle	Native	-	O
<i>Cornus sanguinea</i>	Dogwood	Native	-	F
<i>Corylus avellana</i>	Hazel	Native	-	D
<i>Crataegus monogyna</i>	Hawthorn	Native	-	D
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	F
<i>Euphorbia amygdaloides</i>	Wood spurge	Native	-	R
<i>Fagus sylvatica</i>	Beech	Native	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	F
<i>Galium aparine</i>	Cleavers	Native	-	F
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	O
<i>Geranium robertianum</i>	Herb-robert	Native	-	F
<i>Geum urbanum</i>	Wood avens	Native	-	F
<i>Hedera helix</i>	Common ivy	Native	-	D
<i>Heracleum sphondylium</i>	Hogweed	Native	-	O
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	F
<i>Ilex aquifolium</i>	Holly	Native	-	F
<i>Juncus effusus</i>	Soft-rush	Native	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	F
<i>Melica uniflora</i>	Wood melick	Native	AWI	A
<i>Mercurialis perennis</i>	Dog's mercury	Native	-	F
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A
<i>Primula vulgaris</i>	Primrose	Native	AWI	F
<i>Prunus spinosa</i>	Blackthorn	Native	-	O
<i>Quercus robur</i>	Pedunculate oak	Native	-	D
<i>Ribes rubrum</i>	Red currant	-	AWI	R
<i>Rosa canina</i> agg.	A dog rose	Native	-	F
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	D
<i>Rumex sanguineus</i>	Wood dock	Native	-	A
<i>Sambucus nigra</i>	Elder	Native	-	O
<i>Sanicula europaea</i>	Sanicle	Native	AWI, Eng NT	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	F
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	A
<i>Tamus communis</i>	Black bryony	Native	AWI	F
<i>Taraxacum</i> agg.	Dandelion	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	A
<i>Veronica montana</i>	Wood speedwell	Native	AWI	O
<i>Viola riviniana</i>	Common dog-violet	Native	-	A

Table B16: Summary of Plant Taxa Recorded from Ewshot Meadows

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	R
<i>Dryopteris affinis</i>	Scaly male-fern	Native	AWI	F
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	O
<i>Equisetum arvense</i>	Field horsetail	Native	-	O
<i>Pteridium aquilinum</i>	Bracken	Native	-	O
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	F
<i>Achillea millefolium</i>	Yarrow	Native	-	O
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	R
<i>Agrostis capillaris</i>	Common bent	Native	-	F
<i>Agrostis gigantea</i>	Black bent	Archaeophyte	-	O
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	O
<i>Ajuga reptans</i>	Bugle	Native	-	O
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	O
<i>Angelica sylvestris</i>	Wild angelica	Native	-	F
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	F
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	A
<i>Betonica officinalis</i>	Betony	Native	-	R
<i>Betula pendula</i>	Silver birch	Native	-	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	O
<i>Carex flacca</i>	Glaucous sedge	Native	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	O
<i>Carex nigra</i>	Common sedge	Native	-	F
<i>Carex remota</i>	Remote sedge	Native	AWI	R
<i>Centaurea nigra</i>	Common knapweed	Native	-	O
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	F
<i>Cirsium arvense</i>	Creeping thistle	Native	-	O
<i>Cirsium palustre</i>	Marsh thistle	Native	-	O
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R
<i>Convolvulus arvensis</i>	Field bindweed	Native	-	O
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	O
<i>Daucus carota</i> subsp. <i>carota</i>	Wild carrot	Native	-	R
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	F
<i>Elytrigia repens</i>	Common couch	Native	-	O
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	O
<i>Epilobium tetragonum</i>	Square-stalked willowherb	Native	-	O
<i>Epipactis helleborine</i>	Broad-leaved helleborine	Native	AWI	R
<i>Festuca rubra</i>	Red fescue	Native	-	F
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	A
<i>Fraxinus excelsior</i>	Ash	Native	-	O
<i>Galeopsis bifida</i>	Bifid hemp-nettle	Native	-	A
<i>Galeopsis tetrahit</i>	Common hemp-nettle	Native	-	R
<i>Galium aparine</i>	Cleavers	Native	-	O
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	O
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	O
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	O
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	R
<i>Hypericum perforatum</i>	Perforate st john's-wort	Native	-	O
<i>Hypericum tetrapterum</i>	Square-stalked st john's-wort	Native	-	O
<i>Ilex aquifolium</i>	Holly	Native	-	R
<i>Isolepis setacea</i>	Bristle club-rush	Native	-	R
<i>Juglans regia</i>	Walnut	Neophyte	-	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	A
<i>Juncus conglomeratus</i>	Compact rush	Native	-	O
<i>Juncus effusus</i>	Soft-rush	Native	-	O
<i>Lamium galeobdolon subsp. montanum</i>	Yellow archangel	Native	-	O
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	O
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	O
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	F
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	F
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	O
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	O
<i>Lysimachia nemorum</i>	Yellow pimpernel	Native	AWI	LA
<i>Lysimachia nummularia</i>	Creeping-jenny	Native	-	R
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	LA
<i>Mentha aquatica</i>	Water mint	Native	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	O
<i>Phleum bertolonii</i>	Smaller cat's-tail	Native	-	O
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O
<i>Plantago major</i>	Greater plantain	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	O
<i>Polygonum aviculare</i>	Knotgrass	Native	-	O
<i>Potamogeton polygonifolius</i>	Bog pondweed	Native	-	R
<i>Potentilla anglica</i>	Trailing tormentil	Native	-	R
<i>Potentilla anserina</i>	Silverweed	Native	-	O
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	F

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	F
<i>Potentilla x mixta</i>	Hybrid cinquefoil	Native	VC12 Rare 2	LF
<i>Prunella vulgaris</i>	Selfheal	Native	-	O
<i>Prunus spinosa</i>	Blackthorn	Native	-	R
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	O
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	O
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F
<i>Rosa canina</i> agg.	A dog rose	Native	-	A
<i>Rosa x irregularis</i>	-	Native	-	LA
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	F
<i>Rumex acetosa</i>	Common sorrel	Native	-	F
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	O
<i>Rumex crispus</i>	Curled dock	Native	-	F
<i>Rumex sanguineus</i>	Wood dock	Native	-	F
<i>Salix caprea</i>	Goat willow	Native	-	O
<i>Salix cinerea</i>	Grey willow	Native	-	F
<i>Sambucus nigra</i>	Elder	Native	-	F
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	R
<i>Scrophularia nodosa</i>	Common figwort	Native	-	O
<i>Senecio aquaticus</i>	Marsh ragwort	Native	Eng NT	O
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	O
<i>Solanum dulcamara</i>	Bittersweet	Native	-	O
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	O
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	R
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	R
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	O
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R



Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Succisa pratensis</i>	Devil's-bit scabious	Native	Eng NT	R
<i>Taraxacum agg.</i>	Dandelion	Native	-	O
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	R
<i>Trifolium medium</i>	Zigzag clover	Native	-	R
<i>Trifolium repens</i>	White clover	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	O
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	O
<i>Vicia cracca</i>	Tufted vetch	Native	-	R
<i>Vicia sativa</i>	Common vetch	Native	-	R
<i>Vicia sepium</i>	Bush vetch	Native	AWI	A
<i>Vicia tetrasperma</i>	Smooth tare	Native	-	F

Table B17: Summary of Plant Taxa Recorded from Wakefords Copse

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	Scaly male-fern	Native	-	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	O
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	O
<i>Pteridium aquilinum</i>	Bracken	Native	-	LA
Conifers				
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	R
<i>Taxus baccata</i>	Yew	Native	-	R
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R
<i>Agrostis capillaris</i>	Common bent	Native	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R
<i>Amelanchier lamarckii</i>	Juneberry	Neophyte - Naturalised	INNS	R
<i>Betula pendula</i>	Silver birch	Native	-	A
<i>Carex pendula</i>	Pendulous sedge	Neophyte - Naturalised	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Carex spicata</i>	Spiked sedge	Native	-	R
<i>Carpinus betulus</i>	Hornbeam	Native	AWI	R
<i>Castanea sativa</i>	Sweet chestnut	Neophyte - Naturalised	-	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	R
<i>Corylus avellana</i>	Hazel	Native	-	O
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Neophyte	Schedule 9	R
<i>Cytisus scoparius</i>	Broom	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	R
<i>Epilobium montanum</i>	Broad-leaved willowherb	Native	-	R
<i>Fagus sylvatica</i>	Beech	Native	-	F
<i>Festuca rubra</i>	Red fescue	Native	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	R
<i>Geum urbanum</i>	Wood avens	Native	-	R
<i>Hedera helix</i>	Common ivy	Native	-	LF
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	LA
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	LA
<i>Hypericum androsaemum</i>	Tutsan	Neophyte - Naturalised	-	R
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	A
<i>Ilex aquifolium</i>	Holly	Native	-	LF
<i>Juncus effusus</i>	Soft-rush	Native	-	R
<i>Kerria japonica</i>	Kerria	Neophyte - Naturalised	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	R
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R
<i>Luzula pilosa</i>	Hairy wood-rush	Native	AWI	R
<i>Melica uniflora</i>	Wood melick	Native	AWI	F
<i>Oxalis acetosella</i>	Wood-sorrel	Native	AWI, Eng NT	F-LA
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	R
<i>Populus tremula</i>	Aspen	Native	AWI	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Primula vulgaris</i>	Primrose	Neophyte - Naturalised	-	R
<i>Prunus avium</i>	Wild cherry	Native	AWI	R
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	R
<i>Pseudosasa japonica</i>	Arrow bamboo	Neophyte	INNS	R
<i>Quercus cerris</i>	Turkey oak	Neophyte - Naturalised	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	A
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	R
<i>Rosa arvensis</i>	Field-rose	Native	AWI	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA
<i>Rumex sanguineus</i>	Wood dock	Native	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R
<i>Sorbus aucuparia</i>	Rowan	Native	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	R
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	LA
<i>Symphoricarpos albus</i>	Snowberry	Neophyte	INNS	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R

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Table B18: Summary of Plant Taxa Recorded from Bourley and Long Valley

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR			
				SSSI North	SSSI South	Tweseldown North	Tweseldown South
Lichens							
<i>Cladonia portentosa</i>	-	-	-	R	R	-	-
Bryophytes							
<i>Aulacomnium androgynum</i>	-	Native	-	R	-	-	-
<i>Aulacomnium palustre</i>	-	Native	-	-	R	-	-
<i>Brachythecium albicans</i>	-	Native	-	-	-	R	-
<i>Brachythecium rutabulum</i>	-	Native	-	-	LF	-	-
<i>Calliergonella cuspidata</i>	-	Native	-	-	R	-	-
<i>Campylopus introflexus</i>	-	Neophyte	-	-	O	-	-
<i>Campylopus pyriformis</i>	-	Native	-	-	R	-	-
<i>Cephalozia bicuspidata</i>	-	Native	-	-	R	-	-
<i>Cephalozia connivens</i>	-	Native	-	-	R	-	-
<i>Cephaloziella divaricata</i>	-	Native	-	LA	-	-	-
<i>Cratoneuron filicinum</i>	-	Native	-	-	R	-	-
<i>Dicranum scoparium</i>	-	Native	-	R	O	-	-
<i>Funaria hygrometrica</i>	-	Native	-	-	LA	-	-
<i>Hypnum jutlandicum</i>	-	Native	-	LF	F	-	-
<i>Leucobryum glaucum</i>	-	Native	-	-	R	-	-
<i>Lophocolea heterophylla</i>	-	Native	-	-	R	-	-
<i>Odontoschisma sphagni</i>	-	Native	-	-	R	-	-
<i>Pellia epiphylla</i>	-	Native	-	-	R	-	-
<i>Plagiothecium nemorale</i>	-	Native	-	-	R	-	-
<i>Pleurozium schreberi</i>	-	Native	-	-	R	-	-
<i>Polytrichastrum formosum</i>	-	Native	-	R	-	-	-
<i>Polytrichum commune</i>	-	Native	-	R	-	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR			
				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Polytrichum juniperinum</i>	-	Native	-	-	R	-	-
<i>Pseudoscleropodium purum</i>	-	Native	-	-	O	R	-
<i>Rhytidiadelphus squarrosus</i>	-	Native	-	-	LF	-	-
<i>Riccardia chamaedryfolia</i>	-	Native	-	-	R	-	-
<i>Sphagnum compactum</i>	-	Native	-	LA	LA	-	-
<i>Sphagnum denticulatum</i>	-	Native	-	F-LA	-	-	-
<i>Sphagnum fallax</i>	-	Native	-	LF	LF	-	-
<i>Sphagnum fimbriatum</i>	-	Native	-	R	-	-	-
<i>Sphagnum palustre</i>	-	Native	-	-	LF	-	-
<i>Sphagnum papillosum</i>	-	Native	-	-	LF	-	-
<i>Sphagnum subnitens</i>	-	Native	-	-	LF	-	-
<i>Sphagnum tenellum</i>	-	Native	-	-	R	-	-
<i>Thuidium tamariscinum</i>	-	Native	-	R	-	-	-
Ferns and allies							
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	LF	-	-	-
<i>Blechnum spicant</i>	Hard-fern	Native	AWI	O	R	-	-
<i>Dryopteris affinis</i>	Scaly male-fern	Native	AWI	R	-	-	-
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	Native	AWI	R	-	-	-
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	-	LF	-	-
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	-	R	-	-
<i>Equisetum arvense</i>	Field horsetail	Native	-	R	R	-	-
<i>Pteridium aquilinum</i>	Bracken	Native	-	LA	F-LD	LF	LD
Conifers							

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR			
				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	LD	O	R	-
<i>Tsuga heterophylla</i>	Western hemlock-spruce	Neophyte - Planted	-	-	-	R	-
Flowering plants							
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	-	-	R	R
<i>Achillea millefolium</i>	Yarrow	Native	-	-	-	O	O
<i>Agrimonia procera</i>	Fragrant agrimony	Native	-	R	R	-	-
<i>Agrostis canina</i>	Velvet bent	Native	-	F	LF	-	-
<i>Agrostis capillaris</i>	Common bent	Native	-	-	F	A	A
<i>Agrostis curtisii</i>	Bristle bent	Native	VC12 Scarce	R	-	-	-
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R	R	-	-
<i>Aira caryophylla</i>	Silver hair-grass	Native	-	-	-	-	R
<i>Aira praecox</i>	Early hair-grass	Native	-	R	R	R	-
<i>Alchemilla mollis</i>	Garden lady's-mantle	Neophyte	-	R	-	-	-
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	R	-	-	-
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	-	R	-	-
<i>Anagallis arvensis</i> subsp. <i>arvensis</i>	Scarlet pimpernel	Native	-	-	-	-	R
<i>Anagallis tenella</i>	Bog pimpernel	Native	-	-	LA	-	-
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	-	R	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR			
				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	O	F	O	O
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	R	-	-	R
<i>Bellis perennis</i>	Daisy	Native	-	-	-	R	-
<i>Betula pendula</i>	Silver birch	Native	-	-	O	R	LF
<i>Betula pubescens</i>	Downy birch	Native	-	-	F	-	-
<i>Betula x aurata</i>	-	Native	-	-	R	-	-
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R	-	-	-
<i>Bromus hordeaceus</i>	Soft-brome	Native	-	-	-	R	R
<i>Callitriche stagnalis</i>	Common water-starwort	Native	-	R	R	-	-
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	F	F	LF	-
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R	-	-	-
<i>Carex acutiformis</i>	Lesser pond-sedge	Native	-	R	-	-	-
<i>Carex binervis</i>	Green-ribbed sedge	Native	-	O	F	LF	-
<i>Carex demissa</i>	Common yellow-sedge	Native	-	LF	LF	-	-
<i>Carex echinata</i>	Star sedge	Native	Eng NT	LF	LF	-	-
<i>Carex flacca</i>	Glaucous sedge	Native	-	R	LA	-	-
<i>Carex laevigata</i>	Smooth-stalked sedge	Native	AWI	R	-	-	-
<i>Carex leporina</i>	Oval sedge	Native	-	-	O	-	-
<i>Carex nigra</i>	Common sedge	Native	-	R	R	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR			
				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Carex panicea</i>	Carnation sedge	Native	-	R	LF	-	-
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	-	R	-	-
<i>Carex pilulifera</i>	Pill sedge	Native	-	-	F	-	-
<i>Carex pseudocyperus</i>	Cyperus sedge	Native	-	R	R	-	-
<i>Carex remota</i>	Remote sedge	Native	AWI	LA	LF	-	-
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	O	-	-	R
<i>Centaurea nigra</i>	Common knapweed	Native	-	R	LA	R	-
<i>Centaureum pulchellum</i>	Lesser centaury	Native	VC12 Scarce	-	-	R	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	-	R	R	R
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R	-	-	-
<i>Chamerion angustifolium</i>	Rosebay willowherb	Native	-	R	-	-	-
<i>Chenopodium album</i>	Fat-hen	Native	-	-	-	-	R
<i>Cirsium arvense</i>	Creeping thistle	Native	-	-	R	R	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R	LF	-	-
<i>Cochlearia danica</i>	Danish scurvygrass	Native	-	-	-	-	R
<i>Corylus avellana</i>	Hazel	Native	-	R	-	-	LF
<i>Crataegus monogyna</i>	Hawthorn	Native	-	-	R	-	-
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	R	-	R	O

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<i>Crocsmia x crocosmiiflora</i>	Montbretia	Neophyte	Schedule 9	R	-	-	-
<i>Cuscuta epithymum</i>	Dodder	Native	Eng VU, GB VU	-	R	-	-
<i>Cytisus scoparius</i>	Broom	Native	-	R	R	R	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R	R	R	-
<i>Dactylorhiza maculata</i>	Heath spotted-orchid	Native	-	R	-	-	-
<i>Danthonia decumbens</i>	Heath-grass	Native	-	LF	F	LF	-
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	LF	R	-	-
<i>Deschampsia flexuosa</i>	Wavy hair-grass	Native	-	-	-	LF	-
<i>Digitalis purpurea</i>	Foxglove	Native	-	R	-	-	-
<i>Drosera intermedia</i>	Oblong-leaved sundew	Native	Eng VU	LF	LA	-	-
<i>Drosera rotundifolia</i>	Round-leaved sundew	Native	Eng NT	LF	LA	-	-
<i>Eleocharis multicaulis</i>	Many-stalked spike-rush	Native	-	LA	LA	-	-
<i>Eleocharis palustris</i>	Common spike-rush	Native	-	R	-	-	-
<i>Elytrigia repens</i>	Common couch	Native	-	R	-	-	-
<i>Epilobium ciliatum</i>	American willowherb	Neophyte	-	R	-	-	-
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	-	R	-	-
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	-	R	-	-

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<i>Epipactis helleborine</i>	Broadleaved helleborine	Native	AWI	R	R	-	-
<i>Erica cinerea</i>	Bell heather	Native	Eng NT	-	F	R	R
<i>Erica tetralix</i>	Cross-leaved heath	Native	Eng NT	LF	LF	-	-
<i>Eriophorum angustifolium</i>	Common cottongrass	Native	Eng VU	LF	LA	-	-
<i>Erodium cicutarium</i>	Common stork's-bill	Native	-	-	-	-	R
<i>Euphrasia confusa</i>	Confused eyebright	Native	Eng VU, Hants Scarce, VC12 Rare	-	R	-	-
<i>Fagus sylvatica</i>	Beech	Native	-	R	-	-	-
<i>Festuca ovina</i> agg.	Sheep's-fescue	Native	-	R	-	LF	R
<i>Festuca rubra</i>	Red fescue	Native	-	R	R	-	R
<i>Fragaria vesca</i>	Wild strawberry	Native	Eng NT	R	-	-	-
<i>Frangula alnus</i>	Alder buckthorn	Native	AWI	LF	R	R	-
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R	LF	-	-
<i>Galium saxatile</i>	Heath bedstraw	Native	-	-	-	R	-
<i>Geranium molle</i>	Dove's-foot crane's-bill	Native	-	-	-	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	R	-	-	-
<i>Geum urbanum</i>	Wood avens	Native	-	R	-	-	-
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LD	LA	-	-
<i>Gnaphalium uliginosum</i>	Marsh cudweed	Native	-	-	-	R	-

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				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Hedera helix</i>	Common ivy	Native	-	R	-	R	LA
<i>Hieracium</i> agg.	A hawkweed	-	-	-	R	R	-
<i>Hirschfeldia incana</i>	Hoary mustard	Neophyte	-	R	-	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	R	O	O	LF
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	-	R	R	LA
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	-	-	-	R
<i>Hypericum androsaemum</i>	Tutsan	Native	AWI	R	-	-	-
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R	R	-	R
<i>Hypericum pulchrum</i>	Slender St John's-wort	Native	AWI	O	O	-	-
<i>Hypericum x desetangsii</i>	Des Etangs' St John's-wort	Native	-	-	R	-	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	-	F	F	O
<i>Ilex aquifolium</i>	Holly	Native	-	R	R	-	LA
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R	-	-	-
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	LA	LF	-	-
<i>Juncus articulatus</i>	Jointed rush	Native	-	-	R	-	-
<i>Juncus bufonius</i>	Toad rush	Native	-	R	R	R	R
<i>Juncus bulbosus</i>	Bulbous rush	Native	-	LA	LA	-	-
<i>Juncus conglomeratus</i>	Compact rush	Native	-	O	R	-	-
<i>Juncus effusus</i>	Soft-rush	Native	-	LF	-	-	R
<i>Juncus effusus</i> var. <i>effusus</i>	Soft rush	Native	-	-	O	-	-
<i>Juncus effusus</i> var. <i>subglomeratus</i>	Soft rush	Native	-	-	R	-	-

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<i>Juncus squarrosus</i>	Heath rush	Native	-	-	O	R	-
<i>Juncus tenuis</i>	Slender rush	Neophyte	-	R	-	R	-
<i>Lactuca serriola</i>	Prickly lettuce	Archaeophyte	-	-	-	R	-
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	-	-	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	R	-	-	-
<i>Lemna minor</i>	Common duckweed	Native	-	-	LF	-	-
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R	-	-	-
<i>Linum catharticum</i>	Fairy flax	Native	-	-	R	-	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LA	R	A	A
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	LF	LF	R	LF
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	LF	LF	R	R
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	O	O	-	-
<i>Luzula campestris</i>	Field wood-rush	Native	-	R	R	R	-
<i>Luzula multiflora</i> subsp. <i>congesta</i>	Heath wood-rush	Native	-	F	LF	-	-
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	O	R	-	-
<i>Lythrum salicaria</i>	Purple-loosestrife	Native	-	R	-	-	-
<i>Matricaria chamomilla</i>	Scented mayweed	Archaeophyte	-	R	-	-	-
<i>Matricaria discoidea</i>	Pineappleweed	Neophyte	-	-	-	R	O

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				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Medicago lupulina</i>	Black medick	Native	-	R	-	-	-
<i>Melampyrum pratense</i>	Common cow-wheat	Native	AWI, Eng NT	-	R	R	-
<i>Mentha aquatica</i>	Water mint	Native	-	-	R	-	-
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	A	A	LF	-
<i>Myrica gale</i>	Bog-myrtle	Native	Eng NT, VC12 Scarce	LD	LA	-	-
<i>Nardus stricta</i>	Mat-grass	Native	Eng NT	-	F-LA	LF	-
<i>Narthecium ossifragum</i>	Bog asphodel	Native	-	R	LF	-	-
<i>Odontites vernus</i>	Red bartsia	Native	-	R	-	-	-
<i>Ornithopus perpusillus</i>	Bird's-foot	Native	-	-	-	R	R
<i>Oxalis acetosella</i>	Wood-sorrel	Native	AWI, Eng NT	R	-	-	-
<i>Pedicularis sylvatica</i>	Lousewort	Native	Eng VU	LF	F	-	-
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	-	R	-	-
<i>Persicaria maculosa</i>	Redshank	Native	-	-	-	R	-
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	R	-	-	-
<i>Phleum pratense</i>	Timothy	Native	-	R	-	-	-
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	-	LA	R	LA
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	-	R	R	F
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	R	LF	LF	R
<i>Plantago major</i>	Greater plantain	Native	-	-	R	-	O
<i>Poa annua</i>	Annual meadow-grass	Native	-	-	-	R	LF

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				SSSI North	SSSI South	Tweseldown North	Tweseldown South
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	R	R	-	-
<i>Polygonum aviculare</i> agg.	A knotgrass	Native	-	-	-	-	R
<i>Polypogon viridis</i>	Water bent	Neophyte	-	R	-	-	-
<i>Populus tremula</i>	Aspen	Native	AWI	R	R	-	-
<i>Potamogeton polygonifolius</i>	Bog pondweed	Native	-	LD	LA	-	-
<i>Potentilla anglica</i>	Trailing tormentil	Native	-	R	-	-	-
<i>Potentilla anserina</i>	Silverweed	Native	-	-	LF	-	-
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	F-LA	F-LA	-	-
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	-	-	-	R
<i>Potentilla x mixta</i>	Hybrid cinquefoil	Native	VC12 Rare	LA	R	-	-
<i>Prunella vulgaris</i>	Selfheal	Native	-	R	R	-	O
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	-	-	R	-
<i>Prunus lusitanica</i>	Portugal laurel	Neophyte	INNS	R	-	-	-
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	R	-	-	-
<i>Pyrola minor</i>	Common wintergreen	Native	Eng NT, Hants Rare, VC12 Scarce	R	R	-	-
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	-	R	-	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	LF	R	R	LD
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	-	R	-	-
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R	R	-	-

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<i>Ranunculus repens</i>	Creeping buttercup	Native	-	-	R	-	O
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	R	R	R	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	R	O	R	R
<i>Rumex acetosa</i>	Common sorrel	Native	-	-	R	-	-
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	-	-	LF	O
<i>Rumex crispus</i>	Curled dock	Native	-	R	R	-	R
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	-	R	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	R	-	-	-
<i>Sagina apetala</i>	Annual pearlwort	Native	-	R	R	-	R
<i>Sagina filicaulis</i>	Slender pearlwort	Native	-	-	R	-	-
<i>Salix caprea</i>	Goat willow	Native	-	R	-	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	O	R	-	R
<i>Salix repens</i>	Creeping willow	Native	Eng NT	R	R	-	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-	-	-
<i>Scutellaria galericulata</i>	Skullcap	Native	-	R	R	-	-
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	-	R	-	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	-	-	O
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	R	-	-
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	-	-	-

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<i>Sorbus aucuparia</i>	Rowan	Native	-	-	R	R	LF
<i>Spergula arvensis</i>	Corn spurrey	Native	Eng VU, GB VU	-	-	-	R
<i>Spergularia rubra</i>	Sand spurrey	Native	-	-	-	R	R
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	-	R	-	-
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R	-	R	LF
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R	-	-	-
<i>Taraxacum</i> agg.	Dandelion	Native	-	R	R	-	R
<i>Teucrium scorodonia</i>	Wood sage	Native	-	R	-	LA	LF
<i>Trichophorum germanicum</i>	Deergrass	Native	VC12 Scarce	LF	LF	-	-
<i>Trifolium arvense</i>	Hare's-foot clover	Native	-	-	-	LF	-
<i>Trifolium campestre</i>	Hop trefoil	Native	-	-	R	-	-
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R	R	LA	O
<i>Trifolium pratense</i>	Red clover	Native	-	-	-	R	R
<i>Trifolium repens</i>	White clover	Native	-	-	-	O	F
<i>Typha latifolia</i>	Bulrush	Native	-	R	-	-	-
<i>Ulex europaeus</i>	Gorse	Native	-	LD	F-LD	LF	R
<i>Ulex minor</i>	Dwarf gorse	Native	-	R	LF	-	-
<i>Urtica dioica</i>	Common nettle	Native	-	-	-	R	-
<i>Vaccinium myrtillus</i>	Bilberry	Native	AWI	R	-	-	-
<i>Veronica beccabunga</i>	Brooklime	Native	-	R	-	-	-
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R	R	-	R
<i>Veronica montana</i>	Wood speedwell	Native	AWI	-	R	-	-

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<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	R	R	-	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R	R	-	-
<i>Viburnum opulus</i>	Guelder-rose	Native	AWI	R	-	-	-
<i>Viburnum tinus</i>	Laurustinus	Neophyte - Planted	-	-	-	R	-
<i>Vicia cracca</i>	Tufted vetch	Native	-	R	-	-	-
<i>Vicia sativa</i>	Common vetch	Native	-	-	-	-	R
<i>Vicia sepium</i>	Bush vetch	Native	AWI	R	-	-	-
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	-	-	-
<i>Vulpia bromoides</i>	Squirreltail fescue	Native	-	-	LA	LF	LA

Table B19: Summary of Plant Taxa Recorded from Old Ively Road

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR			
				1	2	3	4
Bryophytes							
<i>Atrichum undulatum</i>	-	Native	-	-	LA	-	-
<i>Brachythecium albicans</i>	-	Native	-	R	-	-	-
<i>Calliergonella cuspidata</i>	-	Native	-	-	R	-	-
<i>Dicranum scoparium</i>	-	Native	-	-	-	-	R
<i>Didymodon fallax</i>	-	Native	-	LA	-	-	-
<i>Grimmia pulvinata</i>	-	Native	-	R	-	-	-
<i>Hypnum cupressiforme</i>	-	Native	-	R	-	-	-
<i>Hypnum jutlandicum</i>	-	Native	-	-	-	-	R

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				1	2	3	4
<i>Polytrichastrum formosum</i>	-	Native	-	-	LA	-	LA
<i>Polytrichum juniperinum</i>	-	Native	-	LA	-	LA	-
<i>Pseudoscleropodium purum</i>	-	Native	-	LA	-	LA	LA
<i>Rhytidiadelphus squarrosus</i>	-	Native	-	LD	LA	LA	-
<i>Rhytidiadelphus triquetrus</i>	-	Native	-	R	-	-	-
Ferns and allies							
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	Scaly male-fern	Native	-	-	-	R	-
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	-	R	-	R
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	R	LA	R	-
<i>Pteridium aquilinum</i>	Bracken	Native	-	LA	-	F	A
Conifers							
<i>Larix decidua</i>	European larch	Neophyte	-	-	LF	R	R
<i>Pinus nigra</i>	-	Neophyte	-	-	-	-	O
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	LD	-	-	D
Flowering plants							
<i>Acer campestre</i>	Field maple	Native	AWI	-	-	R	-
<i>Achillea millefolium</i>	Yarrow	Native	-	R	F	O	-
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte - Planted	-	R	-	-	-
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	R	R	F	R
<i>Agrostis capillaris</i>	Common bent	Native	-	F	F	F	R
<i>Agrostis curtisii</i>	Bristle bent	Native	VC12 Scarce	-	-	LD	LD
<i>Agrostis vinealis</i>	Brown bent	Native	-	-	LF	-	-
<i>Aira praecox</i>	Early hair-grass	Native	-	R	-	-	-
<i>Ajuga reptans</i>	Bugle	Native	-	R	R	-	-
<i>Alchemilla mollis</i>	Garden lady's-mantle	Neophyte - Naturalised	-	-	R	-	-
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	-	O	O	-
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	-	F	F	R
<i>Aphanes arvensis</i>	Parsley-piert	Native	-	-	-	-	R
<i>Aphanes arvensis</i> agg.	A parsley-piert	Native	-	O	-	-	-

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				1	2	3	4
<i>Arabidopsis thaliana</i>	Thale cress	Native	-	R	-	-	-
<i>Arctium minus sens. lat.</i>	A burdock	Native	-	-	-	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	-	-	R	-
<i>Bellis perennis</i>	Daisy	Native	-	F	O	R	-
<i>Betonica officinalis</i>	Betony	Native	-	-	-	-	R
<i>Betula pendula</i>	Silver birch	Native	-	LF	LA	F	O
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	LF	-	F	R
<i>Buddleja davidii</i>	Butterfly-bush	Neophyte	INNS	-	R	R	R
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	-	R	O	R
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	-	R	-	-
<i>Cardamine hirsuta</i>	Hairy bitter-cress	Native	-	R	-	-	-
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	-	R	-	-
<i>Carex binervis</i>	Green-ribbed sedge	Native	-	-	-	-	R
<i>Carex flacca</i>	Glaucous sedge	Native	-	-	R	LA	-
<i>Carex hirta</i>	Hairy sedge	Native	-	O	-	-	-
<i>Carex leporina</i>	Oval sedge	Native	-	-	R	R	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	-	R	R	LA
<i>Carex pilulifera</i>	Pill sedge	Native	-	-	-	-	R
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	R	-	F	F
<i>Centaurea nigra</i>	Common knapweed	Native	-	-	LF	F	-
<i>Centaureum erythraea</i>	Common centaury	Native	-	O	-	-	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	O	O	R	-
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	F	R	R	-
<i>Cerastium semidecandrum</i>	Little mouse-ear	Native	-	LF	-	-	-
<i>Chamerion angustifolium</i>	Rosebay willowherb	Native	-	R	R	-	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	-	R	R	R
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R	R	-	-
<i>Cirsium vulgare</i>	Spear thistle	Native	-	O	R	R	R
<i>Conyza sumatrensis</i>	Guernsey fleabane	Neophyte	-	O	R	-	-

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				1	2	3	4
<i>Cornus sanguinea</i>	Dogwood	Native	-	-	R	F	-
<i>Corylus avellana</i>	Hazel	Native	-	-	R	R	-
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R	R	R	R
<i>Cytisus scoparius</i>	Broom	Native	-	R	R	-	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	O	O	O	R
<i>Dactylorhiza fuchsii</i>	Common spotted-orchid	Native	-	R	-	-	-
<i>Danthonia decumbens</i>	Heath-grass	Native	-	-	-	-	R
<i>Daucus carota</i>	Carrot	Native	-	-	LF	-	-
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	-	R	-	-
<i>Epilobium montanum</i>	Broad-leaved willowherb	Native	-	R	R	R	-
<i>Epipactis helleborine</i>	Broad-leaved helleborine	Native	AWI	-	R	-	-
<i>Erica cinerea</i>	Bell heather	Native	Eng NT	-	LF	LF	LD
<i>Erigeron acris</i>	Blue fleabane	Native	-	O	LF	-	-
<i>Erodium cicutarium</i>	Common stork's-bill	Native	-	LF	-	-	-
<i>Erophila verna</i>	Common whitlowgrass	Native	-	LA	R	-	-
<i>Fagus sylvatica</i>	Beech	Native	-	-	-	-	F
<i>Festuca rubra</i>	Red fescue	Native	-	A	D	LA	LD
<i>Filago vulgaris</i>	Common cudweed	Native	Eng NT, GB NT	R	-	-	-
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	-	-	R	-
<i>Fragaria vesca</i>	Wild strawberry	Native	Eng NT	R	R	F	R
<i>Frangula alnus</i>	Alder buckthorn	Native	AWI	R	-	-	-
<i>Fraxinus excelsior</i>	Ash	Native	-	-	-	R	-
<i>Galanthus woronowii</i>	Green snowdrop	Neophyte	-	-	R	-	-
<i>Galium album</i>	White bedstraw	Native	-	-	R	R	R
<i>Galium aparine</i>	Cleavers	Native	-	O	-	O	R
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	O	O	O	R
<i>Geranium molle</i>	Dove's-foot crane's-bill	Native	-	R	R	R	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	-	-	-	R
<i>Geranium x oxonianum</i>	Druce's crane's-bill	Neophyte - Naturalised	-	-	-	R	-

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				1	2	3	4
<i>Geum urbanum</i>	Wood avens	Native	-	-	R	R	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R	-	-	-
<i>Hedera helix</i>	Common ivy	Neophyte - Planted	-	LD	-	-	-
<i>Heracleum sphondylium</i>	Hogweed	Native	-	-	R	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	A	F	F	R
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	-	R	-	-
<i>Hyacinthoides x massartiana</i>	Garden bluebell	Neophyte	-	-	R	-	-
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	O	LF	F	-
<i>Hypericum x desetangsii</i>	Des Etangs' St John's-wort	Native	-	-	R	R	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	O	LF	F	R
<i>Ilex aquifolium</i>	Holly	Native	-	-	R	R	F
<i>Juncus bulbosus</i>	Bulbous rush	Native	-	-	-	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	R	R	R	LA
<i>Juncus inflexus</i>	Hard rush	Native	-	-	-	LF	-
<i>Juncus squarrosus</i>	Heath rush	Native	-	-	-	-	LA
<i>Juncus tenuis</i>	Slender rush	Neophyte	-	-	-	R	-
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	-	-	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	R	R	-	R
<i>Leontodon saxatilis</i>	Lesser hawkbit	Native	-	F	F	F	-
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R	LF	R	-
<i>Linaria purpurea</i>	Purple toadflax	Neophyte - Naturalised	-	-	-	R	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	-	R	R	-
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R	R	-	O
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	F	F	F	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	-	-	-	R
<i>Luzula campestris</i>	Field wood-rush	Native	-	F-LA	F	F	R
<i>Malva moschata</i>	Musk-mallow	Native	-	-	R	-	-
<i>Malva sylvestris</i>	Common mallow	Archaeophyte	-	-	R	-	-
<i>Medicago lupulina</i>	Black medick	Native	-	-	R	R	-

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<i>Medicago sativa</i> subsp. <i>sativa</i>	Lucerne	Neophyte	-	-	R	-	-
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	R	-	LA	F-LD
<i>Mycelis muralis</i>	Wall lettuce	Native	-	-	-	R	-
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	R	R	R	F
<i>Myosotis discolor</i>	Changing forget-me-not	Native	-	F	-	R	-
<i>Myosotis ramosissima</i>	Early forget-me-not	Native	-	LF	-	-	-
<i>Nigella damascena</i>	Love-in-a-mist	Neophyte - Naturalised	-	-	R	-	-
<i>Ophrys apifera</i>	Bee orchid	Native	-	R	-	-	-
<i>Ornithopus perpusillus</i>	Bird's-foot	Native	-	LA	-	R	-
<i>Pastinaca sativa</i>	Wild parsnip	Native	-	-	-	LF	R
<i>Pentaglottis sempervirens</i>	Green alkanet	Neophyte	-	-	R	-	R
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	LD	LA	LA	R
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	O	-	-	-
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	R	F	F	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	R	R	R	-
<i>Poa pratensis</i>	Smooth meadow-grass	Native	-	-	R	-	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	R	-	R	R
<i>Potentilla anglica</i>	Trailing tormentil	Native	-	R	O	R	-
<i>Potentilla anserina</i>	Silverweed	Native	-	-	-	-	R
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	-	-	-	R
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R	O	F	R
<i>Potentilla sterilis</i>	Barren strawberry	Native	AWI	-	-	-	R
<i>Primula vulgaris</i>	Primrose	Neophyte - Naturalised	-	-	-	R	-
<i>Prunella vulgaris</i>	Selfheal	Native	-	F	F	O	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	R	-	-	-
<i>Prunus domestica</i>	Wild plum	Archaeophyte	-	-	-	R	-
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte - Naturalised	INNS	-	-	-	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	-	-	-	R
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	-	R	O	-

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<i>Quercus cerris</i>	Turkey oak	Neophyte - Naturalised	-	R	-	-	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	R	F	F	O
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R	-	-	-
<i>Ranunculus bulbosus</i>	Bulbous buttercup	Native	-	O	R	-	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	R	O	F	-
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	-	-	-	O
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-	R	R
<i>Rosa rugosa</i>	Japanese rose	Neophyte - Planted	Schedule 9	R	-	-	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	F-LA	F	D	F
<i>Rumex acetosa</i>	Common sorrel	Native	-	R	LF	F	-
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	O	LA	LA	-
<i>Rumex crispus</i>	Curled dock	Native	-	-	R	R	-
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	-	R	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	-	R	-	-
<i>Sagina procumbens</i>	Procumbent pearlwort	Native	-	O	-	R	-
<i>Salix caprea</i>	Goat willow	Native	-	R	-	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	R	-	F	O
<i>Salix repens</i>	Creeping willow	Native	Eng NT	-	R	-	-
<i>Salix x reichardtii</i>	-	Native	-	-	-	LD	-
<i>Sambucus nigra</i>	Elder	Native	-	R	-	-	-
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	Native	VC12 Scarce	R	-	-	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-	R	R
<i>Sedum spurium</i>	Caucasian-stonecrop	Neophyte - Naturalised	-	-	-	R	-
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	-	R	-	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	O	R	O	-
<i>Senecio vulgaris</i>	Groundsel	Native	-	-	R	-	-
<i>Sherardia arvensis</i>	Field madder	Native	-	R	R	-	-
<i>Sonchus arvensis</i>	Perennial sow-thistle	Native	-	-	R	-	-
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	-	R	-

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<i>Sorbus aucuparia</i>	Rowan	Native	-	LF	R	F	F
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	-	R	-	-
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R	O	R	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	F	O	F	R
<i>Teucrium scorodonia</i>	Wood sage	Native	-	R	O	O	O
<i>Trifolium arvense</i>	Hare's-foot clover	Native	-	R	R	-	-
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	F	R	R	-
<i>Trifolium repens</i>	White clover	Native	-	R	O	O	-
<i>Ulex europaeus</i>	Gorse	Native	-	R	LD	D	-
<i>Urtica dioica</i>	Common nettle	Native	-	R	LF	O	R
<i>Verbascum nigrum</i>	Dark mullein	Native	-	-	R	-	-
<i>Verbascum thapsus</i>	Great mullein	Native	-	-	R	-	-
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R	R	R	-
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	F	F	F	R
<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	O	O	F	-
<i>Veronica persica</i>	Common field-speedwell	Neophyte	-	R	R	-	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	F	O	F	R
<i>Vicia hirsuta</i>	Hairy tare	Native	-	-	R	-	-
<i>Vicia sativa</i>	Common vetch	Native	-	-	R	-	-
<i>Vicia sativa</i> subsp. <i>nigra</i>	Narrow-leaved vetch	Native	-	LA	-	-	-
<i>Vicia tetrasperma</i>	Smooth tare	Native	-	R	-	-	-
<i>Viola arvensis</i>	Field pansy	Archaeophyte	-	-	R	-	-
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	O	O	R
<i>Vulpia bromoides</i>	Squirreltail fescue	Native	-	R	-	-	-



Table B20: Summary of Plant Taxa Recorded from the former Southwood Golf Course

Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR	
				West	East
Bryophytes					
<i>Brachythecium rutabulum</i>	-	Native	-	-	LA
<i>Calypogeia fissa</i>	-	Native	-	R	-
<i>Campylopus introflexus</i>	-	Native	-	R	-
<i>Mnium hornum</i>	-	Native	-	-	LA
<i>Pellia neesiana</i>	-	Native	-	R	-
<i>Sphagnum denticulatum</i>	-	Native	-	R	-
Ferns and allies					
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	R	R
<i>Blechnum spicant</i>	Hard-fern	Native	AWI	LF	-
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R	R
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	LF	R
<i>Equisetum arvense</i>	Field horsetail	Native	-	-	R
<i>Equisetum fluviatile</i>	Water horsetail	Native	-	LA	-
<i>Equisetum palustre</i>	Marsh horsetail	Native	-	-	R
<i>Pteridium aquilinum</i>	Bracken	Native	-	-	R
Conifers					
<i>Abies grandis</i>	Giant fir	Neophyte - Planted	-	R	-
<i>Larix decidua</i>	European larch	Neophyte - Planted	-	R	-
<i>Pinus sylvestris</i>	Scots pine	Neophyte - Planted	-	LD	-
<i>Taxus baccata</i>	Yew	Native	-	-	R
Flowering plants					
<i>Acer campestre</i>	Field maple	Native	AWI	R	-
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R	-
<i>Ajuga reptans</i>	Bugle	Native	-	R	-
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	R	-
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R	O

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				West	East
<i>Alnus glutinosa</i>	Alder	Native	-	F-LD	R
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	R	-
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	-	LD
<i>Bellis perennis</i>	Daisy	Native	-	F	LF
<i>Berberis thunbergii</i>	Thunberg's barberry	Neophyte - Naturalised	-	R	-
<i>Betula pendula</i>	Silver birch	Native	-	LF	-
<i>Betula x aurata</i>	-	Native	-	-	LF
<i>Brassica napus</i>	Rape	Neophyte	-	R	-
<i>Callitriche stagnalis</i>	Common water-starwort	Native	-	-	LA
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Archaeophyte	-	R	-
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	R	R
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	R	R
<i>Carex hirta</i>	Hairy sedge	Native	-	-	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	LF	LA
<i>Carex remota</i>	Remote sedge	Native	AWI	LA	LF
<i>Carpinus betulus</i>	Hornbeam	Native	AWI	LD	-
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R	-
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R	-
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	-	R
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R	LF
<i>Conopodium majus</i>	Pignut	Native	AWI	-	LA
<i>Corylus avellana</i>	Hazel	Native	-	-	O
<i>Crataegus monogyna</i>	Hawthorn	Native	-	-	O
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	-	O
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	-	LA
<i>Digitalis purpurea</i>	Foxglove	Native	-	-	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	-

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				West	East
<i>Fagus sylvatica</i>	Beech	Native	-	R	R
<i>Festuca rubra</i>	Red fescue	Native	-	LD	-
<i>Ficaria verna</i>	Lesser celandine	Native	-	R	O
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	-	LF
<i>Fraxinus excelsior</i>	Ash	Native	-	-	F
<i>Galium aparine</i>	Cleavers	Native	-	LA	F
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R	LF
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	R	O
<i>Geum urbanum</i>	Wood avens	Native	-	LF	F
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LD	LA
<i>Hedera helix</i>	Common ivy	Native	-	LA	LA
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	-	LF
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	-	R
<i>Hyacinthoides x massartiana</i>	Garden bluebell	Neophyte	-	-	LA
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Native	Eng NT	R	-
<i>Hypericum androsaemum</i>	Tutsan	Neophyte - Naturalised	-	-	R
<i>Ilex aquifolium</i>	Holly	Native	-	-	LA
<i>Impatiens capensis</i>	Orange balsam	Neophyte	INNS	-	LA
<i>Iris pseudacorus</i>	Yellow iris	Native	-	O	R
<i>Juncus bulbosus</i>	Bulbous rush	Native	-	R	-
<i>Juncus effusus</i>	Soft-rush	Native	-	O	O
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R	R
<i>Lapsana communis</i>	Nipplewort	Native	-	-	R
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	-	R
<i>Ligustrum ovalifolium</i>	Garden privet	Neophyte	-	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	D	-
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	-	R
<i>Lonicera pileata</i>	Box-leaved honeysuckle	Neophyte - Naturalised	-	R	R

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				West	East
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R	-
<i>Lycopus europaeus</i>	Gypsywort	Native	-	-	R
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	-	LF
<i>Lythrum portula</i>	Water-purslane	Native	-	LA	-
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	-	R
<i>Myosotis sylvatica</i>	Wood forget-me-not	Native	-	R	R
<i>Narcissus</i> agg.	A daffodil	-	-	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	LF	R
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	-	LA
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O	-
<i>Plantago major</i>	Greater plantain	Native	-	-	R
<i>Platanus x hispanica</i>	London plane	Neophyte - Planted	-	R	-
<i>Poa annua</i>	Annual meadow-grass	Native	-	R	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	LD	F
<i>Populus alba</i>	White poplar	Neophyte - Planted	-	R	-
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte	-	R	-
<i>Potamogeton polygonifolius</i>	Bog pondweed	Native	-	LD	-
<i>Potentilla anserina</i>	Silverweed	Native	-	-	R
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	LF	LD
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	-	R
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	R	O
<i>Ribes rubrum</i>	Red currant	-	AWI	-	LF
<i>Rosa canina</i>	Dog-rose	Native	-	-	R
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LD	LD
<i>Rumex acetosa</i>	Common sorrel	Native	-	-	LF
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR	
				West	East
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	R	O
<i>Rumex sanguineus</i>	Wood dock	Native	-	-	O
<i>Salix caprea</i>	Goat willow	Native	-	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	LF	F
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	-	D
<i>Sambucus nigra</i>	Elder	Native	-	-	O
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	-
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	R
<i>Sorbus aucuparia</i>	Rowan	Native	-	-	R
<i>Sparganium erectum</i>	Branched bur-reed	Native	-	R	-
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	-	R
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R	-
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	LA	R
<i>Stellaria media</i>	Common chickweed	Native	-	R	-
<i>Taraxacum agg.</i>	Dandelion	Native	-	F	R
<i>Trifolium campestre</i>	Hop trefoil	Native	-	R	-
<i>Trifolium repens</i>	White clover	Native	-	R	-
<i>Urtica dioica</i>	Common nettle	Native	-	LD	A
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R	-
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	-	LF
<i>Viburnum opulus</i>	Guelder-rose	Native	AWI	R	R
<i>Vicia cracca</i>	Tufted vetch	Native	-	R	-
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	R



Table B21: Summary of Plant Taxa Recorded from Cove Brook

Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR		
				1	2	3
Bryophytes						
<i>Calliergon cordifolium</i>	-	-	-	R	-	-
<i>Calliergonella cuspidata</i>	-	-	-	LF	LA	-
Ferns and allies						
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	R	-	-
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	Native	AWI	-	R	-
<i>Equisetum arvense</i>	Field horsetail	Native	-	R	LF	-
<i>Equisetum palustre</i>	Marsh horsetail	Native	-	R	R	-
Conifers						
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	LD	-	-
Flowering plants						
<i>Acer platanoides</i>	Norway maple	Neophyte	-	-	-	R
<i>Achillea millefolium</i>	Yarrow	Native	-	R	-	-
<i>Achillea ptarmica</i>	Sneezewort	Native	-	-	R	-
<i>Agrostis canina</i>	Velvet bent	Native	-	LA	R	-
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	F-LD	D	-
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	R	-	-
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R	-	-
<i>Alnus glutinosa</i>	Alder	Native	-	LF	-	-
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	D	D	-
<i>Angelica sylvestris</i>	Wild angelica	Native	-	O	LF	-
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	R	O	-
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	-	R	-
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	-	-	A
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	LD	-	-
<i>Aster</i> agg.	A Michaelmas-daisy	Neophyte	INNS	LD	-	-
<i>Bellis perennis</i>	Daisy	Native	-	LF	LA	O
<i>Betula pendula</i>	Silver birch	Native	-	-	R	-

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Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR		
				1	2	3
<i>Callitriche</i> agg.	A water-starwort	Native	-	LA	-	-
<i>Caltha palustris</i>	Marsh-marigold	Native	-	O	-	-
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	F	LF	-
<i>Carex acutiformis</i>	Lesser pond-sedge	Native	-	R	-	-
<i>Carex disticha</i>	Brown sedge	Native	-	-	LD	-
<i>Carex hirta</i>	Hairy sedge	Native	-	-	LF	-
<i>Carex leporina</i>	Oval sedge	Native	-	R	LF	-
<i>Carex nigra</i>	Common sedge	Native	-	-	LF	-
<i>Carex otrubae</i>	False fox-sedge	Native	-	R	-	-
<i>Carex pseudocyperus</i>	Cyperus sedge	Native	-	R	-	-
<i>Carex remota</i>	Remote sedge	Native	AWI	LF	-	-
<i>Carex riparia</i>	Greater pond-sedge	Native	-	LD	-	-
<i>Carpinus betulus</i>	Hornbeam	Neophyte - Planted	-	R	R	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R	O	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	-	LA	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	LF	-	-
<i>Cirsium vulgare</i>	Spear thistle	Native	-	-	R	-
<i>Cornus sanguinea</i>	Dogwood	Native	-	LD	R	-
<i>Corylus avellana</i>	Hazel	Native	-	R	R	-
<i>Crassula helmsii</i>	New Zealand pigmyweed	Neophyte	Schedule 9	LD	-	-
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R	-	-
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Neophyte - Naturalised	Schedule 9	-	R	-
<i>Cytisus scoparius</i>	Broom	Native	-	R	R	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R	-	-
<i>Dactylorhiza fuchsii</i>	Common spotted-orchid	Native	-	R	-	-
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	F	R	-
<i>Eleocharis palustris</i>	Common spike-rush	Native	-	LA	R	-
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	LA	LD	-
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	R	R	-

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				1	2	3
<i>Festuca rubra</i>	Red fescue	Native	-	LD	D	-
<i>Ficaria verna</i>	Lesser celandine	Native	-	R	-	-
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	F	-	-
<i>Galium aparine</i>	Cleavers	Native	-	O	-	-
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	A	F	-
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R	R	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	R	-	-
<i>Geum urbanum</i>	Wood avens	Native	-	R	-	-
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LD	R	-
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	A	D	-
<i>Humulus lupulus</i>	Hop	Native	-	-	R	-
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	Native	-	-	R	-
<i>Ilex aquifolium</i>	Holly	Native	-	R	-	-
<i>Impatiens capensis</i>	Orange balsam	Neophyte	INNS	LA	LA	F
<i>Iris pseudacorus</i>	Yellow iris	Native	-	F	R	-
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	LD	LF	-
<i>Juncus articulatus</i>	Jointed rush	Native	-	R	-	-
<i>Juncus effusus</i>	Soft-rush	Native	-	LD	LA	-
<i>Juncus inflexus</i>	Hard rush	Native	-	R	-	-
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variiegated yellow archangel	Neophyte - Naturalised	Schedule 9	-	LD	-
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R	-	-
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	R	R	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LD	LA	D
<i>Lonicera pileata</i>	Box-leaved honeysuckle	Neophyte	-	R	-	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	LF	F	-
<i>Lycopus europaeus</i>	Gypsywort	Native	-	LF	LF	-
<i>Lysimachia nummularia</i>	Creeping-jenny	Native	-	R	-	-
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	LF	LF	-

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Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR		
				1	2	3
<i>Lythrum salicaria</i>	Purple-loosestrife	Native	-	R	LF	F
<i>Malus pumila</i>	Apple	Neophyte - Planted	-	-	R	-
<i>Mentha aquatica</i>	Water mint	Native	-	O	R	-
<i>Montia fontana</i> subsp. <i>chondrosperma</i>	Blinks	Native	-	R	-	-
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	R	-	-
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	LD	LF	F
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	LA	R	-
<i>Phleum pratense</i>	Timothy	Native	-	-	R	-
<i>Phragmites australis</i>	Common reed	Native	-	LD	-	-
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	R	-	-
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	LF	-	-
<i>Plantago major</i>	Greater plantain	Native	-	LF	R	O
<i>Poa annua</i>	Annual meadow-grass	Native	-	LF	-	-
<i>Poa pratensis</i>	Smooth meadow-grass	Native	-	-	R	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	LA	LF	-
<i>Polygonum aviculare</i> agg.	A knotgrass	Native	-	-	R	-
<i>Populus alba</i>	White poplar	Neophyte - Planted	-	LD	R	-
<i>Populus nigra</i> 'Italica'	Lombardy poplar	Native	-	R	-	-
<i>Populus tremula</i>	Aspen	Native	AWI	R	-	-
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte - Planted	-	R	R	-
<i>Populus x canescens</i>	Grey poplar	Neophyte	-	-	-	R
<i>Potamogeton natans</i>	Broadleaved pondweed	Native	-	R	-	-
<i>Potentilla anserina</i>	Silverweed	Native	-	R	R	-
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R	-	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	R	-	-
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	R	LF	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	R	R	-
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	F	O	-
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R	LF	-

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Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR		
				1	2	3
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F	F	-
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte - Planted	Schedule 9	-	R	-
<i>Robinia pseudoacacia</i>	False-acacia	Neophyte - Naturalised	-	-	-	F
<i>Rorippa amphibia</i>	Great yellow-cress	Native	VC12 Scarce	-	-	R
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LD	LD	D
<i>Rumex acetosa</i>	Common sorrel	Native	-	LF	F	-
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	LA	O	-
<i>Rumex hydrolapathum</i>	Water dock	Native	-	R	-	-
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	LF	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	LF	LD	-
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	LD	R	A
<i>Salix x reichardtii</i>	-	Native	-	R	-	-
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte	-	LD	-	R
<i>Scirpus sylvaticus</i>	Wood club-rush	Native	-	-	-	R
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-	-
<i>Scutellaria galericulata</i>	Skullcap	Native	-	R	-	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	-	-
<i>Silene flos-cuculi</i>	Ragged-robin	Native	Eng NT	LF	R	-
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	R	-
<i>Sparganium erectum</i>	Branched bur-reed	Native	-	R	-	-
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	R	LF	-
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R	O	-
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R	-	-
<i>Taraxacum</i> agg.	Dandelion	Native	-	O	O	-
<i>Trifolium repens</i>	White clover	Native	-	R	R	-
<i>Typha latifolia</i>	Bulrush	Native	-	R	-	-
<i>Ulex europaeus</i>	Gorse	Native	-	LD	R	-
<i>Urtica dioica</i>	Common nettle	Native	-	LD	LA	A

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Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/ DAFOR		
				1	2	3
<i>Veronica beccabunga</i>	Brooklime	Native	-	R	-	-
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	R	-	-
<i>Vicia cracca</i>	Tufted vetch	Native	-	R	R	-
<i>Vicia sativa</i>	Common vetch	Native	-	-	R	-



Table B22: Summary of Plant Taxa Recorded from Queen Elizabeth Park

Scientific Name	Common Name	Status	Legal/ Conservation Status	DAFOR
Bryophytes				
<i>Mnium hornum</i>	-	-	-	F
<i>Polytrichastrum formosum</i>	-	-	-	R
<i>Rhytidiadelphus squarrosus</i>	-	-	-	LA
Ferns and allies				
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	O
<i>Pteridium aquilinum</i>	Bracken	Native	-	O
Conifers				
<i>Picea abies</i>	Norway spruce	Neophyte	-	R
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	O
<i>Taxus baccata</i>	Yew	Native	-	R
Flowering plants				
<i>Acer platanoides</i>	Norway maple	Neophyte	-	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R
<i>Achillea millefolium</i>	Yarrow	Native	-	R
<i>Adoxa moschatellina</i>	Moschatel	Native	AWI	R
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	O
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R
<i>Allium ursinum</i>	Ramsons	Native	AWI	R
<i>Alnus glutinosa</i>	Alder	Native	-	R
<i>Amelanchier lamarckii</i>	Juneberry	Neophyte - Naturalised	INNS	R
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	R
<i>Aphanes arvensis</i> agg.	A parsley-piert	N	-	R
<i>Aquilegia vulgaris</i>	Columbine	Neophyte - Naturalised	-	R
<i>Arum italicum</i>	Italian lords-and-ladies	Native	-	R
<i>Bellis perennis</i>	Daisy	Native	-	LA
<i>Betula pendula</i>	Silver birch	Native	-	F
<i>Betula pubescens</i>	Downy birch	Native	-	F

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Scientific Name	Common Name	Status	Legal/ Conservation Status	DAFOR
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	R
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Archaeophyte	-	R
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	R
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R
<i>Carex remota</i>	Remote sedge	Native	AWI	R
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	D
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R
<i>Choisya ternata</i>	Mexican orange	Neophyte - Planted	-	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	R
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R
<i>Cornus sericea</i>	Red-osier dogwood	Neophyte	-	R
<i>Corylus avellana</i>	Hazel	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	R
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	R
<i>Euonymus japonicus</i>	Evergreen spindle	Neophyte - Planted	-	R
<i>Fagus sylvatica</i>	Beech	Native	-	F
<i>Festuca rubra</i>	Red fescue	Native	-	R
<i>Ficaria verna</i>	Lesser celandine	Native	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	O
<i>Galium aparine</i>	Cleavers	Native	-	R
<i>Geranium pyrenaicum</i>	Hedgerow crane's-bill	Neophyte	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	R
<i>Geum urbanum</i>	Wood avens	Native	-	F
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R
<i>Hedera helix</i>	Common ivy	Native	-	F
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	LA
<i>Hyacinthoides hispanica</i>	Spanish bluebell	Neophyte - Naturalised	-	R

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Scientific Name	Common Name	Status	Legal/ Conservation Status	DAFOR
<i>Hyacinthoides x massartiana</i>	Garden bluebell	Neophyte	-	O
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	R
<i>Ilex aquifolium</i>	Holly	Native	-	F
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	R
<i>Kerria japonica</i>	Kerria	Neophyte	-	R
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Neophyte - Naturalised	Schedule 9	LA
<i>Lemna minor</i>	Common duckweed	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LD
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	R
<i>Luzula campestris</i>	Field wood-rush	Native	-	O
<i>Myosotis sylvatica</i>	Wood forget-me-not	Native	-	R
<i>Narcissus</i> agg.	A daffodil	-	-	R
<i>Ornithopus perpusillus</i>	Bird's-foot	Native	-	R
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	R
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	R
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	R
<i>Plantago major</i>	Greater plantain	Native	-	O
<i>Platanus x hispanica</i>	London plane	Neophyte	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	LA
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	F
<i>Prunella vulgaris</i>	Selfheal	Native	-	R
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	LD
<i>Pyracantha coccinea</i>	Firethorn	Neophyte	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	F
<i>Quercus rubra</i>	Red oak	Neophyte	-	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	O
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	D
<i>Ribes rubrum</i>	Red currant	-	AWI	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA
<i>Rubus idaeus</i>	Raspberry	Native	-	R

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Scientific Name	Common Name	Status	Legal/ Conservation Status	DAFOR
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R
<i>Salix caprea</i>	Goat willow	Native	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	R
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte	-	R
<i>Sambucus nigra</i>	Elder	Native	-	R
<i>Sedum telephium</i>	Orpine	Neophyte - Naturalised	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Sorbus aucuparia</i>	Rowan	Native	-	O
<i>Stellaria media</i>	Common chickweed	Native	-	R
<i>Symphoricarpos albus</i>	Snowberry	Neophyte	INNS	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	LA
<i>Tellima grandiflora</i>	Fringecups	Neophyte - Naturalised	-	R
<i>Tilia tomentosa</i>	Silver lime	Neophyte - Planted	-	R
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R
<i>Trifolium repens</i>	White clover	Native	-	R
<i>Ulex europaeus</i>	Gorse	Native	-	R
<i>Urtica dioica</i>	Common nettle	Native	-	LD
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R
<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	R
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R



Table B23: Summary of Plant Taxa Recorded from Blackwater Valley

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
Bryophytes					
<i>Brachythecium rutabulum</i>	-	-	-	-	F
<i>Calliergonella cuspidata</i>	-	-	-	-	R
<i>Dicranella heteromalla</i>	-	-	-	-	R
<i>Dicranum scoparium</i>	-	-	-	-	R
<i>Hypnum cupressiforme</i>	-	-	-	-	F
<i>Hypnum jutlandicum</i>	-	-	-	LF	-
<i>Kindbergia praelonga</i>	-	-	-	-	F
<i>Polytrichastrum formosum</i>	-	-	-	-	O
<i>Pseudoscleropodium purum</i>	-	-	-	LA	O
Ferns and allies					
<i>Asplenium scolopendrium</i>	Hart's-tongue	Native	-	-	R
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	-	R
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	Scaly male-fern	Native	-	-	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	-	R
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	O	O
<i>Equisetum arvense</i>	Field horsetail	Native	-	R	-
<i>Equisetum x litorale</i>	Shore horsetail	Native	-	-	R
<i>Pteridium aquilinum</i>	Bracken	Native	-	R	R
Conifers					
<i>Chamaecyparis lawsoniana</i>	Lawson's cypress	Neophyte - Naturalised	-	R	-
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	R	-
<i>Taxus baccata</i>	Yew	Neophyte - Naturalised	-	R	-
Flowering plants					
<i>Acer campestre</i>	Field maple	Native	AWI	R	-
<i>Acer platanoides</i>	Norway maple	Neophyte - Naturalised	-	-	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
<i>Achillea millefolium</i>	Yarrow	Native	-	R	-
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	-	R
<i>Agrostis curtisii</i>	Bristle bent	Native	VC17 Scarce	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	LA	LA
<i>Ajuga reptans</i>	Bugle	Native	-	R	-
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	-	R
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	-	R
<i>Alnus cordata</i>	Italian alder	Neophyte	-	LA	-
<i>Alnus cordata</i>	Italian alder	Neophyte - Naturalised	-	-	R
<i>Alnus glutinosa</i>	Alder	Native	-	D	D
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R	O
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R	O
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	R	-
<i>Arctium minus sens. lat.</i>	A burdock	Native	-	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	R	-
<i>Artemisia vulgaris</i>	Mugwort	Archaeophyte	-	R	-
<i>Betula pendula</i>	Silver birch	Native	-	F	F
<i>Betula pubescens</i>	Downy birch	Native	-	-	R
<i>Buddleja davidii</i>	Butterfly-bush	Neophyte	INNS	-	R
<i>Callitriche</i> agg.	A water-starwort	Native	-	-	R
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	LD	-
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	-	R
<i>Carex flacca</i>	Glaucous sedge	Native	-	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	R	-
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	-	R
<i>Carex pseudocyperus</i>	Cyperus sedge	Native	-	-	R
<i>Carex remota</i>	Remote sedge	Native	AWI	-	LA
<i>Carex riparia</i>	Greater pond-sedge	Native	-	R	-
<i>Carex sylvatica</i>	Wood-sedge	Native	AWI	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	R	O
<i>Centaurea nigra</i>	Common knapweed	Native	-	LA	-
<i>Ceratocapnos claviculata</i>	Climbing corydalis	Native	AWI	-	R
<i>Chaerophyllum temulum</i>	Rough chervil	Native	-	-	R
<i>Cirsium arvense</i>	Creeping thistle	Native	-	R	F
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R	O
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R	-
<i>Conyza canadensis</i>	Canadian fleabane	Neophyte	-	R	R
<i>Cornus sanguinea</i>	Dogwood	Native	-	R	R
<i>Corylus avellana</i>	Hazel	Native	-	O	O
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Neophyte - Naturalised	Schedule 9	R	R
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R	O
<i>Cytisus scoparius</i>	Broom	Native	-	R	O
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	LD	O
<i>Daucus carota</i>	Carrot	Native	-	-	R
<i>Daucus carota</i> subsp. <i>carota</i>	Wild carrot	Native	-	R	-
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	O	F
<i>Deschampsia flexuosa</i>	Wavy hair-grass	Native	-	R	LA
<i>Digitalis purpurea</i>	Foxglove	Native	-	-	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	R
<i>Epilobium montanum</i>	Broad-leaved willowherb	Native	-	-	R
<i>Epipactis helleborine</i>	Broad-leaved helleborine	Native	AWI	-	R
<i>Euphorbia peplus</i>	Petty spurge	Archaeophyte	-	R	-
<i>Fagus sylvatica</i>	Beech	Native	-	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	LF	-
<i>Festuca rubra</i> subsp. <i>commutata</i>	Chewing's fescue	Neophyte - Naturalised	-	-	R
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	R	-
<i>Frangula alnus</i>	Alder buckthorn	Native	AWI	R	R
<i>Fraxinus excelsior</i>	Ash	Native	-	O	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
<i>Galium aparine</i>	Cleavers	Native	-	LA	F
<i>Galium palustre</i> subsp. <i>palustre</i>	Common marsh-bedstraw	-	-	-	R
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R	R
<i>Geum urbanum</i>	Wood avens	Native	-	R	O
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R	O
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R	-
<i>Hedera helix</i>	Common ivy	Native	-	O	F
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	R
<i>Hieracium</i> agg.	A hawkweed	-	-	LF	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	LF	R
<i>Hottonia palustris</i>	Water-violet	Native	Eng VU, VC17 Scarce	-	R
<i>Hypericum maculatum</i>	Imperforate st john's-wort	Native	-	R	-
<i>Hypericum perforatum</i>	Perforate st john's-wort	Native	-	R	-
<i>Hypericum tetrapterum</i>	Square-stalked st john's-wort	Native	-	-	R
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	LA	-
<i>Ilex aquifolium</i>	Holly	Native	-	R	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	R	A
<i>Inula conyzae</i>	Ploughman's-spikenard	Native	-	R	-
<i>Iris pseudacorus</i>	Yellow iris	Native	-	-	O
<i>Juncus conglomeratus</i>	Compact rush	Native	-	LA	-
<i>Juncus effusus</i>	Soft-rush	Native	-	R	LD
<i>Juncus squarrosus</i>	Heath rush	Native	-	-	R
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R	-
<i>Lapsana communis</i>	Nipplewort	Native	-	R	LF
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	R	-
<i>Lemna minor</i>	Common duckweed	Native	-	-	LD
<i>Leontodon saxatilis</i>	Lesser hawkbit	Native	-	R	-
<i>Ligustrum ovalifolium</i>	Garden privet	Neophyte - Naturalised	-	-	LA
<i>Ligustrum vulgare</i>	Wild privet	Native	-	R	LA

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LF	LD
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	LF	LA
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R	R
<i>Lunaria annua</i>	Honesty	Neophyte	-	-	R
<i>Luzula multiflora</i> subsp. <i>congesta</i>	Heath wood-rush	Native	-	-	R
<i>Lycopus europaeus</i>	Gypsywort	Native	-	-	R
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	-	O
<i>Lythrum salicaria</i>	Purple-loosestrife	Native	-	-	O
<i>Mentha aquatica</i>	Water mint	Native	-	-	O
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	R	LA
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	-	R
<i>Nymphaea alba</i>	White water-lily	Native	-	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	R	R
<i>Pentaglottis sempervirens</i>	Green alkanet	Neophyte	-	R	-
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	-	R
<i>Philadelphus 'Virginalis Group'</i>	Hairy mock-orange	Neophyte - Naturalised	-	-	R
<i>Phragmites australis</i>	Common reed	Native	-	-	LD
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	LF	-
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	LA	R
<i>Plantago major</i>	Greater plantain	Native	-	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	-	R
<i>Populus tremula</i>	Aspen	Native	AWI	-	F
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte	-	R	R
<i>Potamogeton natans</i>	Broad-leaved pondweed	Native	-	LA	R
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	-	LA
<i>Prunella vulgaris</i>	Selfheal	Native	-	-	R
<i>Prunus cerasifera</i>	Cherry plum	Neophyte - Naturalised	-	-	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	R	R
<i>Quercus ilex</i>	Evergreen oak	Neophyte	-	R	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	F	LD
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	-	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	LA	O
<i>Rosa arvensis</i>	Field-rose	Native	AWI	-	R
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-
<i>Rosa rubiginosa</i>	Sweet-briar	Neophyte - Naturalised	-	R	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LD	A
<i>Rubus idaeus</i>	Raspberry	Native	-	-	R
<i>Rumex acetosa</i>	Common sorrel	Native	-	LF	-
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	R	R
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	F	O
<i>Rumex sanguineus</i>	Wood dock	Native	-	R	R
<i>Salix alba</i>	White willow	Archaeophyte	-	R	-
<i>Salix caprea</i>	Goat willow	Native	-	R	R
<i>Salix cinerea</i>	Grey willow	Native	-	R	-
<i>Salix cinerea</i> subsp. <i>oleifolia</i>	Rusty willow	Native	-	-	LD
<i>Salix x reichardtii</i>	-	Native	-	R	-
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte	-	-	R
<i>Salix x smithiana</i>	Broad-leaved osier	Neophyte - Naturalised	-	R	-
<i>Sambucus nigra</i>	Elder	Native	-	R	R
<i>Scrophularia auriculata</i>	Water figwort	Native	-	R	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	LF	R
<i>Senecio sylvaticus</i>	Heath groundsel	Native	-	R	-
<i>Sisymbrium officinale</i>	Hedge mustard	Archaeophyte	-	R	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R	R
<i>Sonchus oleraceus</i>	Smooth sow-thistle	Native	-	R	-
<i>Sorbus aucuparia</i>	Rowan	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frimley Bridge	Frimley Hatches
<i>Sparganium emersum</i>	Unbranched bur-reed	Native	-	R	-
<i>Spiraea douglasii</i>	Steeplebush	Neophyte - Naturalised	INNS	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	-	R
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	R	-
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R	R
<i>Stellaria media</i>	Common chickweed	Native	-	-	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	-	R
<i>Tilia x europaea</i>	Lime	Native	-	-	R
<i>Torilis japonica</i>	Upright hedge-parsley	Native	-	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	R	R
<i>Trifolium repens</i>	White clover	Native	-	O	R
<i>Typha latifolia</i>	Bulrush	Native	-	R	LA
<i>Ulex europaeus</i>	Gorse	Native	-	R	R
<i>Ulmus procera</i>	English elm	Native	-	R	-
<i>Urtica dioica</i>	Common nettle	Native	-	A	A
<i>Vaccinium myrtillus</i>	Bilberry	Native	AWI	-	R
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	-	R
<i>Viburnum opulus</i>	Guelder-rose	Neophyte - Naturalised	AWI	R	R
<i>Vicia cracca</i>	Tufted vetch	Native	-	R	R

Table B24: Summary of Plant Taxa Recorded from Frimley Green 1

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Bryophytes				
<i>Rhytidiadelphus squarrosus</i>	-	Native	-	R
Conifers				
<i>Taxus baccata</i>	Yew	Native	-	R
Ferns and allies				
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	LF

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Blechnum spicant</i>	Hard-fern	Native	AWI	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R
<i>Equisetum arvense</i>	Field horsetail	Native	-	R
Flowering plants				
<i>Acer campestre</i> var. <i>leiocarpum</i>	Field maple	Neophyte - Naturalised	-	R
<i>Acer platanoides</i>	Norway maple	Neophyte	-	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	LD
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	O
<i>Alnus glutinosa</i>	Alder	Native	-	LD
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	LF
<i>Aphanes arvensis</i>	Parsley-piert	Native	-	R
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	R
<i>Arabidopsis thaliana</i>	Thale cress	Native	-	R
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	LF
<i>Bellis perennis</i>	Daisy	Native	-	LF
<i>Betula pendula</i>	Silver birch	Native	-	O
<i>Betula pubescens</i>	Downy birch	Native	-	R
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R
<i>Bromopsis ramosa</i>	Hairy-brome	Native	AWI	R
<i>Bryonia dioica</i>	White bryony	Native	-	R
<i>Caltha palustris</i>	Marsh-marigold	Native	-	R
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Archaeophyte	-	LF
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R
<i>Carex remota</i>	Remote sedge	Native	AWI	LF
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R
<i>Chamerion angustifolium</i>	Rosebay willowherb	Native	-	R
<i>Cornus sanguinea</i> subsp. <i>australis</i>	Dogwood	Neophyte - Planted	-	LD
<i>Cornus sanguinea</i> subsp. <i>sanguinea</i>	Dogwood	Native	-	R
<i>Corylus avellana</i>	Hazel	Native	-	R
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Neophyte	Schedule 9	R
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	O
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	LA
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	LF
<i>Fragaria vesca</i>	Wild strawberry	Native	Eng NT	R
<i>Fraxinus excelsior</i>	Ash	Native	-	R
<i>Galium aparine</i>	Cleavers	Native	-	F-LA
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	F
<i>Geum urbanum</i>	Wood avens	Native	-	R
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LD
<i>Hedera helix</i>	Common ivy	Native	-	LA
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	O
<i>Hyacinthoides x massartiana</i>	Garden bluebell	Neophyte	-	R
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	R
<i>Ilex aquifolium</i>	Holly	Native	-	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	LD
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	R
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R
<i>Lamium purpureum</i>	Red dead-nettle	Archaeophyte	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	D
<i>Lonicera nitida</i>	Wilson's honeysuckle	Neophyte	INNS	R
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R
<i>Luzula campestris</i>	Field wood-rush	Native	-	R
<i>Lycopus europaeus</i>	Gypsywort	Native	-	R
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	R
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	LA
<i>Narcissus</i> agg.	A daffodil	-	-	R
<i>Pentaglottis sempervirens</i>	Green alkanet	Neophyte	-	R
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	R
<i>Plantago major</i>	Greater plantain	Native	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	LF
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R
<i>Primula vulgaris</i>	Primrose	Neophyte - Alien	-	A
<i>Prunus avium</i>	Wild cherry	Neophyte - Naturalised	-	R
<i>Prunus cerasifera</i> var. <i>pissardii</i>	Cherry plum	Neophyte - Planted	-	R
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	F
<i>Ranunculus bulbosus</i>	Bulbous buttercup	Native	-	LF
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F
<i>Ribes nigrum</i>	Black currant	Neophyte	AWI	R
<i>Rosa canina</i> agg.	A dog rose	Native	-	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA
<i>Rumex acetosa</i>	Common sorrel	Native	-	R
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	R
<i>Salix caprea</i>	Goat willow	Native	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R
<i>Sambucus nigra</i>	Elder	Native	-	O
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R
<i>Sonchus oleraceus</i>	Smooth sow-thistle	Native	-	R
<i>Sorbus aucuparia</i>	Rowan	Native	-	R
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	R
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R
<i>Stellaria media</i>	Common chickweed	Native	-	LF
<i>Taraxacum</i> agg.	Dandelion	Native	-	LF
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R
<i>Trifolium repens</i>	White clover	Native	-	R
<i>Typha latifolia</i>	Bulrush	Native	-	R
<i>Ulex europaeus</i>	Gorse	Native	-	R
<i>Ulmus procera</i>	English elm	Native	-	LA
<i>Urtica dioica</i>	Common nettle	Native	-	LD
<i>Valerianella carinata</i>	Keeled-fruited cornsalad	Archaeophyte	-	R
<i>Veronica beccabunga</i>	Brooklime	Native	-	LF
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	R
<i>Veronica persica</i>	Common field-speedwell	Neophyte	-	R
<i>Vicia sativa</i>	Common vetch	Native	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R

Table B25: Summary of Plant Taxa Recorded from Pine Ridge

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
Bryophytes					
<i>Calliergonella cuspidata</i>	-	Native	-	R	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Dicranum scoparium</i>	-	Native	-	R	R
<i>Hypnum jutlandicum</i>	-	Native	-	R	-
<i>Polytrichastrum formosum</i>	-	Native	-	LF	-
<i>Pseudoscleropodium purum</i>	-	Native	-	LF	LF
<i>Rhytidiadelphus squarrosus</i>	-	Native	-	LA	R
Ferns and allies					
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	O	-
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	Scaly male-fern	Native	-	R	-
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	F	-
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	F	-
<i>Equisetum arvense</i>	Field horsetail	Native	-	R	R
<i>Polystichum setiferum</i>	Soft shield-fern	Native	AWI	R	-
<i>Pteridium aquilinum</i>	Bracken	Native	-	F-LD	LA
Conifers					
<i>Pinus sylvestris</i>	Scots pine	Neophyte - Planted	-	LD	LD
<i>Taxus baccata</i>	Yew	Native	-	R	-
<i>Thuja plicata</i>	Western red-cedar	Neophyte - Naturalised	-	R	-
<i>Tsuga heterophylla</i>	Western hemlock-spruce	Neophyte	-	R	-
Flowering plants					
<i>Acer campestre</i>	Field maple	Native	AWI	R	-
<i>Acer platanoides</i>	Norway maple	Neophyte	-	R	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	O	-
<i>Acorus calamus</i>	Sweet-flag	Neophyte - Planted	-	R	-
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	R	-
<i>Agrimonia procera</i>	Fragrant agrimony	Native	-	R	-
<i>Agrostis capillaris</i>	Common bent	Native	-	LF	F
<i>Agrostis curtisii</i>	Bristle bent	Native	VC17 Scarce	R	-
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Aira praecox</i>	Early hair-grass	Native	-	-	R
<i>Amelanchier lamarckii</i>	Juneberry	Neophyte - Naturalised	INNS	LF	-
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	-	LF
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	LA	-
<i>Bellis perennis</i>	Daisy	Native	-	R	-
<i>Betula pendula</i>	Silver birch	Native	-	F	LD
<i>Betula pubescens</i>	Downy birch	Native	-	F	-
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R	-
<i>Callitriche stagnalis</i>	Common water-starwort	Native	-	R	-
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	LA	LF
<i>Carex binervis</i>	Green-ribbed sedge	Native	-	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	-	R
<i>Carex leporina</i>	Oval sedge	Native	-	R	R
<i>Carex pendula</i>	Pendulous sedge	Neophyte - Naturalised	-	R	R
<i>Carex pilulifera</i>	Pill sedge	Native	-	O	R
<i>Carex pseudocyperus</i>	Cyperus sedge	Native	-	-	R
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	LD	R
<i>Centaurea nigra</i>	Common knapweed	Native	-	LA	R
<i>Centaureum erythraea</i>	Common centaury	Native	-	R	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R	R
<i>Chamerion angustifolium</i>	Rosebay willowherb	Native	-	R	-
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	O	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	R	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R	-
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R	-
<i>Corylus avellana</i>	Hazel	Native	-	R	R
<i>Cotoneaster</i> agg.	A cotoneaster	Native	-	R	-
<i>Crassula helmsii</i>	New Zealand pigmyweed	Neophyte - Naturalised	Schedule 9	LA	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	R	R
<i>Cynosurus cristatus</i>	Crested dog's-tail	Neophyte - Planted	-	LF	-
<i>Cytisus scoparius</i>	Broom	Native	-	R	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	LF	-
<i>Danthonia decumbens</i>	Heath-grass	Native	-	LF	R
<i>Daucus carota</i> subsp. <i>carota</i>	Wild carrot	Neophyte - Planted	-	LA	-
<i>Deschampsia flexuosa</i>	Wavy hair-grass	Native	-	F	R
<i>Eleocharis acicularis</i>	Needle spike-rush	Native	VC17 Rare	R	-
<i>Eleocharis palustris</i>	Common spike-rush	Native	-	R	-
<i>Epilobium ciliatum</i>	American willowherb	Neophyte	-	-	R
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	R	-
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	-	R
<i>Erica cinerea</i>	Bell heather	Native	Eng NT	LF	LF
<i>Eupatorium cannabinum</i>	Hemp-agrimony	Native	-	R	-
<i>Fagus sylvatica</i>	Beech	Neophyte - Planted	-	LD	R
<i>Festuca ovina</i> agg.	Sheep's-fescue	Native	-	R	-
<i>Festuca rubra</i>	Red fescue	Native	-	LF	F
<i>Fraxinus excelsior</i>	Ash	Native	-	R	-
<i>Galium album</i>	White bedstraw	Neophyte - Planted	-	R	-
<i>Galium saxatile</i>	Heath bedstraw	Native	-	-	R
<i>Galium verum</i>	Lady's bedstraw	Neophyte - Planted	-	LF	-
<i>Gaultheria shallon</i>	Shallon	Neophyte	Schedule 9	R	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	R	-
<i>Geum urbanum</i>	Wood avens	Native	-	R	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R	-
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R	-
<i>Glyceria maxima</i>	Reed sweet-grass	Native	-	R	-
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	-

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				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Hieracium sabaudum</i>	-	-	-	R	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	LF	F
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	-	R
<i>Hypericum calycinum</i>	Rose-of-Sharon	Neophyte - Naturalised	-	LA	-
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	LF	R
<i>Ilex aquifolium</i>	Holly	Native	-	F	LF
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	R	-
<i>Juncus articulatus</i>	Jointed rush	Native	-	-	R
<i>Juncus bufonius</i>	Toad rush	Native	-	R	R
<i>Juncus effusus</i>	Soft-rush	Native	-	LF	R
<i>Juncus squarrosus</i>	Heath rush	Native	-	R	R
<i>Juncus tenuis</i>	Slender rush	Neophyte	-	O	R
<i>Knautia arvensis</i>	Field scabious	Neophyte - Planted	-	R	-
<i>Leontodon hispidus</i>	Rough hawkbit	Neophyte - Planted	-	LF	-
<i>Lepidium coronopus</i>	Swine-cress	Archaeophyte	-	R	-
<i>Leucanthemum vulgare</i>	Oxeye daisy	Neophyte - Planted	-	LF	-
<i>Leycesteria formosa</i>	Himalayan honeysuckle	Neophyte - Naturalised	-	R	-
<i>Ligustrum vulgare</i>	Wild privet	Neophyte - Planted	-	R	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	R	D
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	F	-
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Neophyte - Planted	-	LF	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R	R
<i>Ludwigia grandiflora</i>	Water-primrose	Neophyte - Naturalised	Schedule 9	LD	-
<i>Luzula multiflora</i>	Heath wood-rush	Native	-	-	R
<i>Lythrum portula</i>	Water-purslane	Native	-	R	-
<i>Matricaria discoidea</i>	Pineappleweed	Neophyte	-	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	LA	LD
<i>Myriophyllum aquaticum</i>	Parrot's-feather	Neophyte	Schedule 9	LD	-
<i>Nardus stricta</i>	Mat-grass	Native	Eng NT	LF	-
<i>Nymphaea alba</i>	White water-lily	Neophyte - Alien	-	-	R
<i>Nymphoides peltata</i>	Fringed water-lily	-	NS	LA	-
<i>Origanum vulgare</i>	Wild marjoram	Neophyte - Planted	-	R	-
<i>Pastinaca sativa</i>	Wild parsnip	Native	-	R	-
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	O	-
<i>Phleum bertolonii</i>	Smaller cat's-tail	Neophyte - Planted	-	R	-
<i>Phleum pratense</i>	Timothy	Neophyte - Planted	-	LF	-
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	R	-
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	-	R
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	LF	-
<i>Plantago major</i>	Greater plantain	Native	-	R	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	-	R
<i>Polygonum aviculare</i>	Knotgrass	Native	-	R	-
<i>Populus tremula</i>	Aspen	Native	AWI	O	R
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	R	R
<i>Prunella vulgaris</i>	Selfheal	Native	-	R	R
<i>Prunus avium</i>	Wild cherry	Native	AWI	R	-
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte	INNS	R	-
<i>Pseudosasa japonica</i>	Arrow bamboo	Neophyte	INNS	LA	-
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	R	R
<i>Quercus cerris</i>	Turkey oak	Neophyte - Naturalised	-	R	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	F	F
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R	R
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	R	-
<i>Rhinanthus minor</i>	Yellow-rattle	Neophyte - Planted	-	LF	-

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				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	O	R
<i>Rorippa palustris</i>	Marsh yellow-cress	Native	-	R	-
<i>Rosa canina group Pubescentes</i>	A dog rose	Native	-	R	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA	R
<i>Rubus idaeus</i>	Raspberry	Native	-	R	-
<i>Rubus laciniatus</i>	Cut-leaved bramble	Neophyte - Naturalised	-	R	-
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	-	R
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	R	-
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	R	-
<i>Sagina procumbens</i>	Procumbent pearlwort	Native	-	-	R
<i>Salix caprea</i>	Goat willow	Native	-	R	R
<i>Salix cinerea</i>	Grey willow	Native	-	R	R
<i>Salix viminalis</i>	Osier	Neophyte - Planted	-	R	-
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	R	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	R
<i>Silene vulgaris</i>	Bladder campion	Neophyte - Planted	-	R	-
<i>Sorbus aucuparia</i>	Rowan	Native	-	R	R
<i>Spiraea douglasii</i>	Steeplebush	Neophyte - Naturalised	INNS	LA	-
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	R	-
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R	-
<i>Symphoricarpos albus</i>	Snowberry	Neophyte	INNS	R	-
<i>Taraxacum</i> agg.	Dandelion	Native	-	-	R
<i>Trifolium arvense</i>	Hare's-foot clover	Native	-	-	R
<i>Trifolium repens</i>	White clover	Native	-	R	R
<i>Typha latifolia</i>	Bulrush	Native	-	R	R
<i>Ulex europaeus</i>	Gorse	Native	-	R	R



Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
				Frith Hill and Frimley Fuel Allotments	Pine Ridge Golf Course
<i>Ulex minor</i>	Dwarf gorse	Native	-	LF	R
<i>Urtica dioica</i>	Common nettle	Native	-	R	R
<i>Vaccinium myrtillus</i>	Bilberry	Native	AWI	R	LF
<i>Veronica beccabunga</i>	Brooklime	Native	-	R	-
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	-	R
<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	R	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R	R
<i>Viburnum opulus</i>	Guelder-rose	Native	AWI	R	-
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	-

Table B26: Summary of Plant Taxa Recorded from Colony Bog and Bagshot Heath

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR				
				1	2	Brentmoor Heath	Folly Bog	Turf Hill
Lichens								
<i>Cladonia arbuscula</i>	-	Native	-	-	-	R	-	-
<i>Cladonia portentosa</i>	-	Native	-	-	-	-	-	LA
Bryophytes								
<i>Aneura pinguis</i>	-	Native	-	-	-	-	F	-
<i>Aulacomnium palustre</i>	-	Native	-	-	-	-	O	-
<i>Bryum pseudotriquetrum</i>	-	Native	-	-	-	-	R	-
<i>Calliergonella cuspidata</i>	-	Native	-	O	-	-	O	-
<i>Calypogeia fissa</i>	-	Native	-	-	-	-	R	-
<i>Calypogeia muelleriana</i>	-	Native	-	-	-	-	O	-
<i>Campylium stellatum</i>	-	Native	-	-	-	-	R	-
<i>Campylopus introflexus</i>	-	Neophyte	-	-	R	-	R	-
<i>Dicranum scoparium</i>	-	Native	-	-	R	-	-	F

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				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Fissidens adianthoides</i>	-	Native	-	-	R	-	R	-
<i>Hypnum cupressiforme</i>	-	Native	-	LA	-	-	-	-
<i>Hypnum jutlandicum</i>	-	Native	-	-	F	-	-	A
<i>Lophocolea semiteres</i>	-	Neophyte	-	-	-	-	-	R
<i>Lunularia cruciata</i>	-	Native	-	-	-	-	R	-
<i>Pleurozium schreberi</i>	-	Native	-	-	-	-	-	LA
<i>Polytrichastrum formosum</i>	-	Native	-	-	R	-	-	-
<i>Pseudoscleropodium purum</i>	-	Native	-	F	-	-	-	-
<i>Rhytidiadelphus squarrosus</i>	-	Native	-	F	-	-	-	-
<i>Riccardia multifida</i>	-	Native	-	-	-	-	O	-
<i>Solenostoma gracillimum</i>	-	Native	-	-	-	LF	-	-
<i>Sphagnum capillifolium</i>	-	Native	-	-	-	-	R	-
<i>Sphagnum compactum</i>	-	Native	-	-	LA	R	LA	F
<i>Sphagnum cuspidatum</i>	-	Native	-	-	-	-	LA	-
<i>Sphagnum fallax</i>	-	Native	-	-	-	-	F	-
<i>Sphagnum inundatum</i>	-	Native	-	-	-	-	LA	-
<i>Sphagnum magellanicum</i>	-	Native	-	-	-	-	R	-
<i>Sphagnum palustre</i>	-	Native	-	-	-	-	A	-
<i>Sphagnum papillosum</i>	-	Native	-	-	-	-	LA	-
<i>Sphagnum subnitens</i>	-	Native	-	-	-	-	F	-
<i>Sphagnum tenellum</i>	-	Native	-	-	R	LA	-	F-LA
Ferns and allies								
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	Native	AWI	R	-	-	-	-
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	-	-	-	R	-
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	R	R	-	-	-
<i>Equisetum arvense</i>	Field horsetail	Native	-	R	-	-	R	-

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				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Equisetum palustre</i>	Marsh horsetail	Native	-	-	-	-	LF	-
<i>Osmunda regalis</i>	Royal fern	Native	VC17 Scarce	-	-	-	R	-
<i>Pteridium aquilinum</i>	Bracken	Native	-	LD	LD	O	LF	LA
Conifers								
<i>Abies grandis</i>	Giant fir	Neophyte - Naturalised	-	R	-	-	-	-
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	LD	F-LD	LD	O	D
<i>Taxus baccata</i>	Yew	Native	-	R	-	-	-	-
Flowering plants								
<i>Acer platanoides</i>	Norway maple	Neophyte - Naturalised	-	R	-	-	-	-
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R	R	-	-	-
<i>Achillea millefolium</i>	Yarrow	Native	-	O	R	-	-	-
<i>Aegopodium podagraria</i>	Ground-elder	Archaeophyte	-	-	-	R	-	-
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte - Naturalised	-	R	-	-	-	-
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	R	-	-	-	-
<i>Agrostis capillaris</i>	Common bent	Native	-	O	-	LF	-	O
<i>Agrostis curtisii</i>	Bristle bent	Native	VC17 Scarce	LD	A	R	LF	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R	-	R	-	-
<i>Aira praecox</i>	Early hair-grass	Native	-	LF	R	-	-	-
<i>Ajuga reptans</i>	Bugle	Native	-	R	-	-	R	-
<i>Alchemilla mollis</i>	Garden lady's-mantle	Neophyte - Naturalised	-	R	-	-	-	-
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R-LF	-	R	-	-
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	-	-	-	R	-
<i>Amelanchier lamarckii</i>	Juneberry	Neophyte - Naturalised	INNS	R	-	R	R	-
<i>Anagallis tenella</i>	Bog pimpernel	Native	VC17 Scarce	-	-	-	LF	-
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	LD	R	-	-	-
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	A	LF	-	LA	O

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				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R	-	-	-	-
<i>Aquilegia vulgaris</i>	Columbine	Neophyte - Naturalised	-	R	-	-	-	-
<i>Arctium minus</i>	Lesser burdock	Native	-	R	-	-	-	-
<i>Arenaria serpyllifolia</i>	-	Native	-	R	-	-	-	-
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	-	-	LA	-	-
<i>Artemisia vulgaris</i>	Mugwort	Archaeophyte	-	-	R	-	-	-
<i>Arum italicum</i>	Italian lords-and-ladies	Neophyte - Naturalised	-	R	-	-	-	-
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	R	-	-	-	-
<i>Bellis perennis</i>	Daisy	Native	-	R	R	-	-	-
<i>Betula pendula</i>	Silver birch	Native	-	F-LD	F	LD	O	R
<i>Betula pubescens</i>	Downy birch	Native	-	-	-	-	-	R
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R	-	R	-	-
<i>Bromus hordeaceus</i>	Soft-brome	Native	-	R	R	-	-	-
<i>Buddleja davidii</i>	Butterfly-bush	Neophyte - Naturalised	INNS	R	R	-	-	-
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	F	D	A	F	D
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	R	-	-	-	-
<i>Carex binervis</i>	Green-ribbed sedge	Native	-	R	-	R	LF	-
<i>Carex demissa</i>	Common yellow-sedge	Native	-	-	LA	-	-	-
<i>Carex echinata</i>	Star sedge	Native	Eng NT	-	-	-	R	-
<i>Carex flacca</i>	Glaucous sedge	Native	-	LF	-	-	-	-
<i>Carex leporina</i>	Oval sedge	Native	-	R	-	-	-	-
<i>Carex muricata</i> subsp. <i>pairae</i>	Small-fruited prickly-sedge	Native	-	R	-	-	-	-
<i>Carex panicea</i>	Carnation sedge	Native	-	-	LA	-	LA	-
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R	-	-	-	-
<i>Carex pilulifera</i>	Pill sedge	Native	-	LA	LF	-	-	-
<i>Carex pulicaris</i>	Flea sedge	Native	Eng NT, VC17 Rare	-	-	-	R	-

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				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Carpinus betulus</i>	Hornbeam	Neophyte - Naturalised	-	R	-	-	-	-
<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	F	-	-	-	-
<i>Centaurea nigra</i>	Common knapweed	Native	-	O	R	R	-	-
<i>Centaureum erythraea</i>	Common centaury	Native	-	R	R	-	-	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	O	R	-	R	-
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	-	R	-	-	-
<i>Cerastium semidecandrum</i>	Little mouse-ear	Native	-	R	-	-	-	-
<i>Chamerion angustifolium</i>	Rosebay willowherb	Native	-	LF	R	-	-	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	-	-	R	-	-
<i>Cirsium dissectum</i>	Meadow thistle	Native	VC17 Scarce	-	-	-	LF	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R	-	R	-	-
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R	-	-	-	-
<i>Conyza canadensis</i>	Canadian fleabane	Neophyte	-	-	R	-	-	-
<i>Cornus sanguinea</i>	Dogwood	Native	-	R	-	-	-	-
<i>Cortaderia selloana</i>	Pampas-grass	Neophyte - Naturalised	-	R	-	-	-	-
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Cotoneaster horizontalis</i>	Wall cotoneaster	Neophyte - Naturalised	Schedule 9	R	R	-	-	-
<i>Cotoneaster salicifolius</i>	Willow-leaved cotoneaster	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R	-	R	-	-
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	R	-	-	-	-
<i>Crepis vesicaria</i>	Beaked hawk's-beard	Neophyte	-	R	R	-	-	-
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Neophyte - Naturalised	Schedule 9	LA	-	-	-	-
<i>Cuscuta epithymum</i>	Dodder	Native	Eng VU, GB VU	-	R	-	-	O
<i>Cytisus scoparius</i>	Broom	Native	-	R	R	-	-	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F	O	R	-	-
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	Native	-	-	-	-	O	-

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<i>Dactylorhiza maculata</i>	Heath spotted-orchid	Native	VC17 Scarce	-	R	-	-	-
<i>Daucus carota</i>	Carrot	Native	-	R	-	-	-	-
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	R	-	-	-	-
<i>Deschampsia flexuosa</i>	Wavy hair-grass	Native	-	LA	R	LF	-	O
<i>Digitalis purpurea</i>	Foxglove	Native	-	-	R	-	-	-
<i>Drosera intermedia</i>	Oblong-leaved sundew	Native	Eng VU, VC17 Scarce	-	-	LF	-	-
<i>Drosera rotundifolia</i>	Round-leaved sundew	Native	Eng NT	-	LF	-	F	R
<i>Eleocharis multicaulis</i>	Many-stalked spike-rush	Native	VC17 Scarce	-	-	R	R	-
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	-	R	-	-
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	LF	-	-	-	-
<i>Epipactis helleborine</i>	Broadleaved helleborine	Native	AWI	R	-	R	-	-
<i>Erica cinerea</i>	Bell heather	Native	Eng NT	R	F	-	R	LF
<i>Erica tetralix</i>	Cross-leaved heath	Native	Eng NT	-	LF	A	F	LF
<i>Eriophorum angustifolium</i>	Common cottongrass	Native	Eng VU	-	LF	-	F-LD	LF
<i>Fagus sylvatica</i>	Beech	Native	-	-	-	R	-	-
<i>Festuca ovina</i> agg.	Sheep's-fescue	Native	-	LA	F	LF	-	O
<i>Festuca rubra</i>	Red fescue	Native	-	A	R	-	-	-
<i>Fragaria vesca</i>	Wild strawberry	Native	Eng NT	O	R	-	-	-
<i>Frangula alnus</i>	Alder buckthorn	Native	AWI	-	-	R	-	-
<i>Galega officinalis</i>	Goat's-rue	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Galium aparine</i>	Cleavers	Native	-	R	R	-	-	-
<i>Gaultheria shallon</i>	Shallon	Neophyte	Schedule 9	-	-	R	-	R
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R	-	-	-	-
<i>Geranium pyrenaicum</i>	Hedgerow crane's-bill	Neophyte	-	R	-	-	-	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	R	R	-	-	-

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				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Geum urbanum</i>	Wood avens	Native	-	R	R	R	-	-
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R	-	-	-	-
<i>Hedera helix</i>	Common ivy	Native	-	R	-	R	-	-
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	-	-	-	-
<i>Hieracium</i> agg.	A hawkweed	Native	-	F	R	-	-	-
<i>Hieracium sabaudum</i>	A hawkweed	Native	-	-	-	-	-	LF
<i>Hieracium trichocaulon</i>	A hawkweed	Native	-	-	-	-	-	R
<i>Hieracium umbellatum</i>	A hawkweed	Native	-	-	-	R	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	F	O	LF	R	O
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	-	-	R	-	-
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI, Schedule 8	R	-	-	-	-
<i>Hypericum androsaemum</i>	Tutsan	Native	AWI	R	-	-	-	-
<i>Hypericum maculatum</i>	Imperforate St John's-wort	Native	-	O	-	-	R	-
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	F	R	-	R	-
<i>Hypericum pulchrum</i>	Slender St John's-wort	Native	AWI	-	R	-	-	-
<i>Hypericum x desetangsii</i>	Des Etangs' St John's-wort	Native	-	R	-	-	-	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	F	O	LF	R	O
<i>Ilex aquifolium</i>	Holly	Native	-	O	-	R	R	-
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	R	R	-	O	R
<i>Juncus bufonius</i>	Toad rush	Native	-	R	-	-	-	-
<i>Juncus bulbosus</i>	Bulbous rush	Native	-	-	-	LF	LA	-
<i>Juncus conglomeratus</i>	Compact rush	Native	-	-	-	R	-	-
<i>Juncus effusus</i>	Soft-rush	Native	-	R	-	R	R	-
<i>Juncus inflexus</i>	Hard rush	Native	-	R	-	-	-	-
<i>Juncus squarrosus</i>	Heath rush	Native	-	R	LF	LA	LF	R

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<i>Juncus tenuis</i>	Slender rush	Neophyte	-	R	R	R	R	-
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variagated yellow archangel	Neophyte - Naturalised	Schedule 9	LA	-	-	-	-
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R	-	-	-	-
<i>Lapsana communis</i>	Nipplewort	Native	-	R	-	-	-	-
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	R	-	-	-	-
<i>Leontodon saxatilis</i>	Lesser hawkbit	Native	-	O	R	-	R	-
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R	R	-	-	-
<i>Ligustrum vulgare</i>	Wild privet	Native	-	-	R	-	-	-
<i>Linaria purpurea</i>	Purple toadflax	Neophyte	-	R	-	-	-	-
<i>Linum catharticum</i>	Fairy flax	Native	-	R	R	-	-	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	O	R	R	-	-
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R	R	-	-	-
<i>Lonicera tatarica</i>	Tartarian honeysuckle	Neophyte - Naturalised	-	R	-	-	-	-
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	F	R	-	R	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R	R	-	R	-
<i>Luzula campestris</i>	Field wood-rush	Native	-	F	LF	-	-	-
<i>Luzula multiflora</i> subsp. <i>congesta</i>	Heath wood-rush	Native	-	LF	LF	-	LF	O
<i>Luzula multiflora</i> subsp. <i>multiflora</i>	Heath wood-rush	Native	-	LF	O	-	-	-
<i>Lysimachia nummularia</i>	Creeping-jenny	Native	-	-	-	R	-	-
<i>Lysimachia punctata</i>	Dotted loosestrife	Neophyte	-	LA	-	-	-	-
<i>Lythrum portula</i>	Water-purslane	Native	-	-	-	-	R	-
<i>Malus pumila</i>	Apple	Neophyte - Naturalised	-	R	-	-	-	-
<i>Matricaria discoidea</i>	Pineappleweed	Neophyte	-	-	-	LF	-	-
<i>Meconopsis cambrica</i>	Welsh poppy	Neophyte - Naturalised	-	R	-	-	-	-

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<i>Medicago lupulina</i>	Black medick	Native	-	R	R	R	-	-
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	A	A	D	A	LD
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	R	R	-	-	-
<i>Myosotis discolor</i>	Changing forget-me-not	Native	-	LF	R	-	-	-
<i>Myosotis sylvatica</i>	Wood forget-me-not	Native	-	R	-	-	-	-
<i>Myrica gale</i>	Bog-myrtle	Native	Eng NT, VC17 Rare	-	-	R	F-LA	-
<i>Nardus stricta</i>	Mat-grass	Native	Eng NT	R	R	LF	-	-
<i>Narthecium ossifragum</i>	Bog asphodel	Native	-	-	LF	-	A	-
<i>Oenothera agg.</i>	An evening primrose	Neophyte	-	-	R	-	-	-
<i>Oenothera glazioviana</i>	Large-flowered evening-primrose	Neophyte	-	-	-	R	-	-
<i>Pastinaca sativa</i>	Wild parsnip	Native	-	R	-	-	-	-
<i>Pedicularis sylvatica</i>	Lousewort	Native	Eng VU, VC17 Scarce	-	LF	LF	F	-
<i>Pentaglottis sempervirens</i>	Green alkanet	Neophyte	-	LA	-	R	-	-
<i>Pilosella aurantiaca</i>	Fox-and-cubs	Neophyte	-	R	-	-	-	-
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	F	LF	-	-	-
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	LF	R	-	-	-
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	F	LF	R	R	-
<i>Plantago major</i>	Greater plantain	Native	-	-	R	LF	R	-
<i>Poa annua</i>	Annual meadow-grass	Native	-	R	-	-	R	-
<i>Poa nemoralis</i>	Wood meadow-grass	Native	AWI	R	-	-	-	-
<i>Poa pratensis</i>	Smooth meadow-grass	Native	-	O	R	-	-	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	LA	-	R	-	-
<i>Polygala serpyllifolia</i>	Heath milkwort	Native	Eng NT	R	-	-	R	-
<i>Polygala vulgaris</i>	Common milkwort	Native	-	-	R	-	-	-
<i>Polygonatum x hybridum</i>	Garden Solomon's-seal	Neophyte - Naturalised	-	R	-	-	-	-
<i>Populus tremula</i>	Aspen	Native	AWI	O	O	R	R	-

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<i>Potamogeton polygonifolius</i>	Bog pondweed	Native	-	-	-	R	LD	-
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	LF	LF	-	F	R
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R	R	LF	-	-
<i>Potentilla sterilis</i>	Barren strawberry	Native	AWI	R	-	-	-	-
<i>Primula vulgaris</i>	Primrose	Native	AWI	R	-	-	-	-
<i>Prunella vulgaris</i>	Selfheal	Native	-	-	R	-	R	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	R	-	-	-	-
<i>Prunus cerasifera</i> var. <i>pissardii</i>	Cherry plum	Neophyte - Naturalised	-	R	R	-	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Pseudosasa japonica</i>	Arrow bamboo	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Quercus cerris</i>	Turkey oak	Neophyte - Naturalised	-	R	-	-	-	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	O	R	R	R	O
<i>Quercus rubra</i>	Red oak	Neophyte	-	-	R	-	-	-
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R	-	-	-	-
<i>Ranunculus bulbosus</i>	Bulbous buttercup	Native	-	R	-	-	-	-
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R	-	-	-	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	R	-	R	R	-
<i>Rhinanthus minor</i>	Yellow-rattle	Native	-	R	-	-	-	-
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	O	O	R	R	-
<i>Rhynchospora alba</i>	White beak-sedge	Native	Eng NT, VC17 Scarce	-	-	-	LA	LA
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-	-	-	-
<i>Rosa rubiginosa</i>	Sweet-briar	Native	-	-	R	-	-	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	F	F	R	R	O
<i>Rubus idaeus</i>	Raspberry	Native	-	R	-	-	-	-
<i>Rubus laciniatus</i>	Cut-leaved bramble	Neophyte - Naturalised	-	R	-	-	-	-
<i>Rumex acetosa</i>	Common sorrel	Native	-	O	R	-	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR				
				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	LF	R	-	-	R
<i>Rumex crispus</i>	Curled dock	Native	-	R	R	-	-	-
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R	-	-	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	-	-	R	-	-
<i>Sagina apetala</i>	Annual pearlwort	Native	-	R	-	-	-	-
<i>Salix caprea</i>	Goat willow	Native	-	F	O	R	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	F	O	R	O	-
<i>Salix repens</i>	Creeping willow	Native	Eng NT	-	-	R	-	-
<i>Sambucus nigra</i>	Elder	Native	-	R	-	-	-	-
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	R	-	-	-	-
<i>Schedonorus giganteus</i>	Giant fescue	Native	AWI	-	-	R	-	-
<i>Schoenus nigricans</i>	Black bog-rush	Native	VC17 Rare	-	-	-	LD	-
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R	-	-	-	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	R	R	R	-
<i>Senecio sylvaticus</i>	Heath groundsel	Native	-	-	R	-	-	-
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	-	-	-	-
<i>Sorbus aucuparia</i>	Rowan	Native	-	O	O	R	R	R
<i>Sorbus intermedia</i>	Swedish whitebeam	Neophyte - Naturalised	-	R	-	-	-	-
<i>Spiraea douglasii</i>	Steeplebush	Neophyte - Naturalised	INNS	LD	-	-	-	-
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	-	-	R	-	-
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R	-	-	-	-
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R	-	-	-	-
<i>Succisa pratensis</i>	Devil's-bit scabious	Native	Eng NT	R	-	-	-	-
<i>Symphoricarpos albus</i>	Snowberry	Neophyte - Naturalised	INNS	R	-	-	-	-
<i>Taraxacum agg.</i>	Dandelion	Native	-	O	R	R	-	-
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	-	R	-	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/DAFOR				
				1	2	Brentmoor Heath	Folly Bog	Turf Hill
<i>Trichophorum germanicum</i>	Deergrass	Native	VC17 Scarce	-	LF	-	LF	LF
<i>Trifolium arvense</i>	Hare's-foot clover	Native	-	R	-	-	-	-
<i>Trifolium campestre</i>	Hop trefoil	Native	-	-	-	-	R	-
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	O	-	-	-	-
<i>Trifolium medium</i>	Zigzag clover	Native	VC17 Scarce	-	-	-	R	-
<i>Trifolium pratense</i>	Red clover	Native	-	O	R	LF	R	-
<i>Trifolium repens</i>	White clover	Native	-	R	-	LF	-	-
<i>Ulex europaeus</i>	Gorse	Native	-	F-LD	F-LD	O	LF	LD
<i>Ulex minor</i>	Dwarf gorse	Native	-	LA	A	-	LF	R
<i>Urtica dioica</i>	Common nettle	Native	-	R-LF	-	R	-	-
<i>Vaccinium myrtillus</i>	Bilberry	Native	AWI	LA	R	-	-	-
<i>Valerianella locusta</i>	Common cornsalad	Native	-	-	R	-	-	-
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	F	LF	-	-	-
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	R	-	-	-	-
<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	O	O	-	R	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	O	R	-	R	-
<i>Vicia cracca</i>	Tufted vetch	Native	-	-	-	R	-	-
<i>Vicia hirsuta</i>	Hairy tare	Native	-	R	R	-	-	-
<i>Vicia sativa</i> subsp. <i>nigra</i>	Narrow-leaved vetch	Native	-	O	R	-	-	-
<i>Vicia sativa</i> subsp. <i>segetalis</i>	Common vetch	Archaeophyte	-	R	-	-	-	-
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	-	-	R	-
<i>Vulpia bromoides</i>	Squirreltail fescue	Native	-	R	-	R	-	-



Table B27: Summary of Plant Taxa Recorded from Haleborne

Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
Bryophytes						
<i>Atrichum undulatum</i>	-	-	-	-	R	-
<i>Mnium hornum</i>	-	-	-	R	-	-
<i>Polytrichastrum formosum</i>	-	-	-	-	R	-
<i>Pseudoscleropodium purum</i>	-	-	-	R	-	-
<i>Riccia fluitans</i>	-	-	-	-	-	LA
Ferns and allies						
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	-	R	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R	-	-
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	R	R	-
<i>Equisetum arvense</i>	Field horsetail	Native	-	O	R	O
<i>Equisetum fluviatile</i>	Water horsetail	Native	-	-	-	R
<i>Pteridium aquilinum</i>	Bracken	Native	-	R	-	R
Conifers						
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	-	R	-
Flowering plants						
<i>Acer campestre</i>	Field maple	Native	AWI	R	R	R
<i>Achillea millefolium</i>	Yarrow	Native	-	R	R	-
<i>Aegopodium podagraria</i>	Ground-elder	Archaeophyte	-	R	R	-
<i>Agrostis canina</i>	Velvet bent	Native	-	-	-	R
<i>Agrostis capillaris</i>	Common bent	Native	-	O	R	F
<i>Agrostis gigantea</i>	Black bent	Archaeophyte	-	-	R	-
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	A	A	A
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	-	-	R
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R	-	-
<i>Alnus glutinosa</i>	Alder	Native	-	-	F	LD

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	-	-	R
<i>Anagallis arvensis</i> subsp. <i>arvensis</i> f. <i>arvensis</i>	Scarlet pimpernel	Native	-	-	-	R
<i>Angelica sylvestris</i>	Wild angelica	Native	-	-	R	R
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R	R	-
<i>Apium nodiflorum</i>	Fool's-water-cress	Native	-	R	-	-
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	R	R	R
<i>Artemisia vulgaris</i>	Mugwort	Archaeophyte	-	R	R	-
<i>Atriplex prostrata</i>	Spear-leaved orache	Native	-	R	-	-
<i>Barbarea vulgaris</i>	Winter-cress	Native	-	-	R	-
<i>Bellis perennis</i>	Daisy	Native	-	-	R	O
<i>Betula pendula</i>	Silver birch	Native	-	-	-	R
<i>Bryonia dioica</i>	White bryony	Native	-	-	R	-
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R	-	-
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	-	R	-
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	R	-	-
<i>Carex hirta</i>	Hairy sedge	Native	-	F	F	F
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R	-	R
<i>Carex remota</i>	Remote sedge	Native	AWI	-	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R	-	O
<i>Chelidonium majus</i>	Greater celandine	Archaeophyte	-	-	-	R
<i>Chenopodium album</i>	Fat-hen	Native	-	-	-	R
<i>Chenopodium polyspermum</i>	Many-seeded goosefoot	Archaeophyte	-	-	-	O
<i>Cirsium arvense</i>	Creeping thistle	Native	-	R	R	-
<i>Cirsium palustre</i>	Marsh thistle	Native	-	O	-	R
<i>Corylus avellana</i>	Hazel	Native	-	R	-	R
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O	R	-
<i>Cruciata laevipes</i>	Crosswort	Native	Eng NT	LA	LF	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F	O	F
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	-	LF	-
<i>Digitalis purpurea</i>	Foxglove	Native	-	R	-	-
<i>Elodea</i> sp.	A waterweed	Neophyte	-	-	-	LA
<i>Elytrigia repens</i>	Common couch	Native	-	-	R	-
<i>Epilobium ciliatum</i>	American willowherb	Neophyte	-	-	R	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	R	R
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	R	-	-
<i>Epilobium obscurum</i>	Short-fruited willowherb	Native	-	R	-	-
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	-	R	-
<i>Epipactis helleborine</i>	Broadleaved helleborine	Native	AWI	-	R	-
<i>Fallopia convolvulus</i>	Black-bindweed	Archaeophyte	-	R	-	-
<i>Festuca rubra</i>	Red fescue	Native	-	R	-	O
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	-	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	R	R	R
<i>Galium aparine</i>	Cleavers	Native	-	-	O	R
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	-	R	-
<i>Geranium molle</i>	Dove's-foot crane's-bill	Native	-	-	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	-	R	-
<i>Geum urbanum</i>	Wood avens	Native	-	R	-	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R	R	-
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R	-	-
<i>Glyceria maxima</i>	Reed sweet-grass	Native	-	R	-	-
<i>Gnaphalium uliginosum</i>	Marsh cudweed	Native	-	O	R	O
<i>Hedera helix</i>	Common ivy	Native	-	R	LF	-
<i>Hieracium sabaudum</i>	-	Native	-	R	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	A	F	A

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	-	R	-
<i>Hyacinthoides non-scripta</i>	Bluebell	Native	AWI	-	-	R
<i>Hypericum tetrapterum</i>	Square-stalked st john's-wort	Native	-	-	LD	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	R	-	R
<i>Ilex aquifolium</i>	Holly	Native	-	R	-	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	LD	LA	LA
<i>Iris pseudacorus</i>	Yellow iris	Native	-	-	R	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	R	R	LF
<i>Juncus articulatus</i>	Jointed rush	Native	-	R	-	-
<i>Juncus bufonius</i>	Toad rush	Native	-	R	-	-
<i>Juncus effusus</i>	Soft-rush	Native	-	O	LF	O
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R	-	-
<i>Lamium purpureum</i>	Red dead-nettle	Archaeophyte	-	-	-	R
<i>Lapsana communis</i>	Nipplewort	Native	-	R	-	-
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	-	LF	-
<i>Lemna minor</i>	Common duckweed	Native	-	R	-	LA
<i>Lemna trisulca</i>	Ivy-leaved duckweed	Native	-	-	-	R
<i>Lepidium didymum</i>	Lesser swine-cress	Neophyte	-	R	-	R
<i>Linaria vulgaris</i>	Common toadflax	Native	-	R	-	-
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	D	D	A
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R	-	-
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	O	-	-
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	F	F	F
<i>Lycopus europaeus</i>	Gypsywort	Native	-	-	-	R
<i>Lysimachia vulgaris</i>	Yellow loosestrife	Native	-	-	R	R
<i>Matricaria chamomilla</i>	Scented mayweed	Archaeophyte	-	R	-	-
<i>Matricaria discoidea</i>	Pineappleweed	Neophyte	-	R	R	O

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
<i>Medicago lupulina</i>	Black medick	Native	-	R	R	R
<i>Mentha aquatica</i>	Water mint	Native	-	-	R	R
<i>Mentha arvensis</i>	Corn mint	Native	Eng NT	-	-	R
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	-	-	R
<i>Myosotis laxa</i>	Tufted forget-me-not	Native	-	R	-	-
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	-	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	-	O	R
<i>Persicaria amphibia</i>	Amphibious bistort	Native	-	-	R	-
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	O	-	O
<i>Persicaria maculosa</i>	Redshank	Native	-	O	R	O
<i>Petroselinum crispum</i>	Garden parsley	Neophyte - Naturalised	-	R	-	-
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	-	LF	R
<i>Phleum pratense</i>	Timothy	Native	-	O	F	F
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	F	R	-
<i>Plantago major</i>	Greater plantain	Native	-	F	R	F
<i>Poa annua</i>	Annual meadow-grass	Native	-	R	-	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	-	-	R
<i>Polygonum aviculare</i>	Knotgrass	Native	-	A	-	F
<i>Populus alba</i>	White poplar	Neophyte	-	-	R	-
<i>Populus trichocarpa</i>	Western balsam-poplar	Neophyte - Planted	-	-	R	-
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte	-	-	R	-
<i>Potamogeton natans</i>	Broadleaved pondweed	Native	-	-	-	LA
<i>Poterium sanguisorba</i> subsp. <i>balearicum</i>	Fodder burnet	Neophyte - Naturalised	-	R	-	-
<i>Prunella vulgaris</i>	Selfheal	Native	-	R	-	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	-	R	-
<i>Prunus domestica</i>	Wild plum	Archaeophyte	-	-	R	-
<i>Prunus spinosa</i>	Blackthorn	Native	-	R	R	-

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				1	2	4
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	R	-	-
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	-	R	-
<i>Quercus robur</i>	Pedunculate oak	Native	-	-	-	F
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	F	R	F
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	O	R	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	A	A	A
<i>Rosa arvensis</i>	Field-rose	Native	AWI	R	R	-
<i>Rosa canina group Transitoriae</i>	A dog rose	Native	-	R	R	-
<i>Rosa x andegavensis</i>	-	Native	-	-	R	-
<i>Rosa x dumetorum</i>	-	Native	-	-	R	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA	LA	F-LD
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	LA	LA	-
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	-	-	R
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	O	-	-
<i>Rumex crispus</i>	Curled dock	Native	-	O	-	O
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	F	O	F
<i>Salix alba</i>	White willow	Archaeophyte	-	-	R	-
<i>Salix caprea</i>	Goat willow	Native	-	-	R	R
<i>Salix cinerea</i>	Grey willow	Native	-	R	LA	LA
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R	O	-
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte	-	-	R	-
<i>Sambucus nigra</i>	Elder	Native	-	-	-	R
<i>Samolus valerandi</i>	Brookweed	Native	VC17 Rare	-	-	R
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	R	-	-
<i>Scirpus sylvaticus</i>	Wood club-rush	Native	-	-	-	R
<i>Scorzoneroides autumnalis</i>	Autumn hawkbit	Native	-	-	R	O
<i>Scrophularia auriculata</i>	Water figwort	Native	-	R	-	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
<i>Senecio aquaticus</i>	Marsh ragwort	Native	Eng NT	O	-	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	R	R
<i>Senecio vulgaris</i>	Groundsel	Native	-	-	-	R
<i>Silene flos-cuculi</i>	Ragged-robin	Native	Eng NT	R	R	-
<i>Solanum nigrum</i>	Black nightshade	Native	-	-	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	R	O
<i>Sorbus aucuparia</i>	Rowan	Native	-	R	-	-
<i>Sparganium emersum</i>	Unbranched bur-reed	Native	-	R	-	-
<i>Sparganium erectum</i>	Branched bur-reed	Native	-	R	-	R
<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	-	R	-
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R	-	-
<i>Stellaria media</i>	Common chickweed	Native	-	-	-	R
<i>Symphytum officinale</i>	Common comfrey	Native	-	R	R	-
<i>Taraxacum agg.</i>	Dandelion	Native	-	F	O	F
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R	-	-
<i>Trifolium hybridum</i>	Alsike clover	Neophyte	-	R	-	-
<i>Trifolium pratense</i>	Red clover	Native	-	R	-	-
<i>Trifolium repens</i>	White clover	Native	-	F	O	-
<i>Typha latifolia</i>	Bulrush	Native	-	R	-	R
<i>Ulex europaeus</i>	Gorse	Native	-	-	-	R
<i>Ulmus procera</i>	English elm	Native	-	-	-	R
<i>Urtica dioica</i>	Common nettle	Native	-	LA	F	F
<i>Veronica beccabunga</i>	Brooklime	Native	-	R	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R	-	O
<i>Veronica persica</i>	Common field-speedwell	Neophyte	-	O	-	R
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R	-	-
<i>Vicia cracca</i>	Tufted vetch	Native	-	-	R	-

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Scientific Name	Common Name	Status	Legal/Conservation Status	Subsite/ DAFOR		
				1	2	4
<i>Vicia hirsuta</i>	Hairy tare	Native	-	R	-	-
<i>Vicia sativa</i>	Common vetch	Native	-	R	-	-
<i>Viola riviniana</i>	Common dog-violet	Native	-	R	-	-

Table B28: Summary of Plant Taxa Recorded from Chobham Common

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Lichens				
<i>Cladonia arbuscula</i>	-	Native	-	R
<i>Cladonia portentosa</i>	-	Native	-	F
Bryophytes				
<i>Aneura pinguis</i>	-	Native	-	LA
<i>Atrichum undulatum</i>	-	Native	-	R
<i>Brachythecium rutabulum</i>	-	Native	-	R
<i>Calliergonella cuspidata</i>	-	Native	-	R
<i>Cladopodiella fluitans</i>	-	Native	-	R
<i>Dicranella heteromalla</i>	-	Native	-	R
<i>Dicranum scoparium</i>	-	Native	-	O
<i>Eurhynchium striatum</i>	-	Native	-	R
<i>Funaria hygrometrica</i>	-	Native	-	R
<i>Hypnum cupressiforme</i>	-	Native	-	R
<i>Hypnum jutlandicum</i>	-	Native	-	F-LA
<i>Isoetecium alopecuroides</i>	-	Native	-	R
<i>Kindbergia praelonga</i>	-	Native	-	R
<i>Leucobryum glaucum</i>	-	Native	-	LF
<i>Mnium hornum</i>	-	Native	-	R
<i>Polytrichastrum formosum</i>	-	Native	-	R
<i>Polytrichum commune</i>	-	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Polytrichum juniperinum</i>	-	Native	-	O
<i>Pseudoscleropodium purum</i>	-	Native	-	O
<i>Sphagnum compactum</i>	-	Native	-	LF
<i>Sphagnum cuspidatum</i>	-	Native	-	R
<i>Sphagnum fallax</i>	-	Native	-	R
<i>Sphagnum palustre</i>	-	Native	-	R
<i>Sphagnum tenellum</i>	-	Native	-	LF
Ferns and allies				
<i>Athyrium filix-femina</i>	Lady-fern	Native	-	R
<i>Blechnum spicant</i>	Hard-fern	Native	AWI	R
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	Scaly male-fern	Native	-	R
<i>Dryopteris carthusiana</i>	Narrow buckler-fern	Native	AWI	R
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	R
<i>Equisetum arvense</i>	Field horsetail	Native	-	R
<i>Equisetum fluviatile</i>	Water horsetail	Native	-	R
<i>Pteridium aquilinum</i>	Bracken	Native	-	LD
Conifers				
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	LD
Flowering plants				
<i>Agrimonia eupatoria</i>	Agrimony	Native	-	R
<i>Agrostis canina</i>	Velvet bent	Native	-	R
<i>Agrostis capillaris</i>	Common bent	Native	-	O
<i>Agrostis curtisii</i>	Bristle bent	Native	VC17 Scarce	F-LD
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R
<i>Agrostis vinealis</i>	Brown bent	Native	-	R
<i>Aira praecox</i>	Early hair-grass	Native	-	R
<i>Alnus glutinosa</i>	Alder	Native	-	LD

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	R
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	O
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	R
<i>Betula pendula</i>	Silver birch	Native	-	F-LD
<i>Betula pubescens</i>	Downy birch	Native	-	LF
<i>Betula x aurata</i>	-	Native	-	R
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	D
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	R
<i>Cardamine pratensis</i>	Cuckoo flower	Native	-	R
<i>Carex binervis</i>	Green-ribbed sedge	Native	-	O
<i>Carex demissa</i>	Common yellow-sedge	Native	-	R
<i>Carex echinata</i>	Star sedge	Native	Eng NT	R
<i>Carex leporina</i>	Oval sedge	Native	-	R
<i>Carex nigra</i>	Common sedge	Native	-	R
<i>Carex panicea</i>	Carnation sedge	Native	-	LF
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R
<i>Carex pilulifera</i>	Pill sedge	Native	-	O
<i>Carex remota</i>	Remote sedge	Native	AWI	LA
<i>Centaurea nigra</i>	Common knapweed	Native	-	R
<i>Centaureum erythraea</i>	Common centauray	Native	-	F
<i>Centaureum pulchellum</i>	Lesser centauray	Native	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Native	-	R
<i>Cirsium arvense</i>	Creeping thistle	Native	-	R
<i>Cirsium dissectum</i>	Meadow thistle	Native	VC17 Scarce	R
<i>Cirsium palustre</i>	Marsh thistle	Native	-	R
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Neophyte	Schedule 9	R
<i>Cuscuta epithymum</i>	Dodder	Native	Eng VU, GB VU	R
<i>Cytisus scoparius</i>	Broom	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R
<i>Danthonia decumbens</i>	Heath-grass	Native	-	O
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	R
<i>Deschampsia flexuosa</i>	Wavy hair-grass	Native	-	F
<i>Digitalis purpurea</i>	Foxglove	Native	-	R
<i>Drosera intermedia</i>	Oblong-leaved sundew	Native	Eng VU, VC17 Scarce	LF
<i>Drosera rotundifolia</i>	Round-leaved sundew	Native	Eng NT	LF
<i>Eleocharis multicaulis</i>	Many-stalked spike-rush	Native	VC17 Scarce	LA
<i>Eleogiton fluitans</i>	Floating club-rush	Native	VC17 Scarce	LA
<i>Erica cinerea</i>	Bell heather	Native	Eng NT	F
<i>Erica tetralix</i>	Cross-leaved heath	Native	Eng NT	F-LA
<i>Eriophorum angustifolium</i>	Common cottongrass	Native	Eng VU	LA
<i>Festuca filiformis</i>	Fine-leaved sheep's-fescue	Native	-	O
<i>Festuca ovina</i> agg.	Sheep's-fescue	Native	-	O
<i>Filago minima</i>	Small cudweed	Native	Eng NT	R
<i>Filago vulgaris</i>	Common cudweed	Native	Eng NT, GB NT	R
<i>Frangula alnus</i>	Alder buckthorn	Native	AWI	R
<i>Galium album</i>	White bedstraw	Native	-	R
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R
<i>Galium verum</i>	Lady's bedstraw	Native	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	R
<i>Geum urbanum</i>	Wood avens	Native	-	R
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	R
<i>Gnaphalium uliginosum</i>	Marsh cudweed	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Hedera helix</i>	Common ivy	Native	-	R
<i>Hieracium sabaudum</i>	A hawkweed	Native	-	R
<i>Hieracium umbellatum</i>	A hawkweed	Native	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	R
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	R
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	F
<i>Ilex aquifolium</i>	Holly	Native	-	LF
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	R
<i>Juncus articulatus</i>	Jointed rush	Native	-	R
<i>Juncus bulbosus</i>	Bulbous rush	Native	-	LF
<i>Juncus conglomeratus</i>	Compact rush	Native	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	LD
<i>Juncus squarrosus</i>	Heath rush	Native	-	F
<i>Juncus tenuis</i>	Slender rush	Neophyte	-	R
<i>Lemna minor</i>	Common duckweed	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	R
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	R
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	R
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	R
<i>Luzula multiflora</i> subsp. <i>congesta</i>	Heath wood-rush	Native	-	LF
<i>Lythrum portula</i>	Water-purslane	Native	-	R
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	A-LD
<i>Narthecium ossifragum</i>	Bog asphodel	Native	-	R
<i>Origanum vulgare</i>	Wild marjoram	Native	-	R
<i>Persicaria hydropiper</i>	Water-pepper	Native	-	R
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O
<i>Plantago major</i>	Greater plantain	Native	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	R
<i>Polygonum aviculare</i>	Knotgrass	Native	-	R
<i>Populus tremula</i>	Aspen	Native	AWI	R
<i>Potamogeton polygonifolius</i>	Bog pondweed	Native	-	LA
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	R
<i>Prunella vulgaris</i>	Selfheal	Native	-	R
<i>Prunus padus</i>	Bird cherry	Native	-	R
<i>Pyrola minor</i>	Common wintergreen	Native	Eng NT, VC17 Scarce	R
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	LF
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	R
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	R
<i>Rhynchospora alba</i>	White beak-sedge	Native	Eng NT, VC17 Scarce	LF
<i>Ribes rubrum</i>	Red currant	-	AWI	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	O
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	R
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	R
<i>Sagina apetala</i>	Annual pearlwort	Native	-	R
<i>Sagina procumbens</i>	Procumbent pearlwort	Native	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	O
<i>Scrophularia auriculata</i>	Water figwort	Native	-	R
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R
<i>Scutellaria minor</i>	Lesser skullcap	Native	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R
<i>Sorbus aucuparia</i>	Rowan	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Taraxacum</i> agg.	Dandelion	Native	-	R
<i>Teucrium scorodonia</i>	Wood sage	Native	-	R
<i>Trichophorum germanicum</i>	Deergrass	Native	VC17 Scarce	LA
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	R
<i>Trifolium repens</i>	White clover	Native	-	R
<i>Tussilago farfara</i>	Colt's-foot	Native	-	R
<i>Typha latifolia</i>	Bulrush	Native	-	R
<i>Ulex europaeus</i>	Gorse	Native	-	D
<i>Ulex minor</i>	Dwarf gorse	Native	-	LF
<i>Urtica dioica</i>	Common nettle	Native	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	R
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R
<i>Vulpia bromoides</i>	Squirreltail fescue	Native	-	R

Table B29: Summary of Plant Taxa Recorded from Foxhills Golf Course

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Bryophytes				
<i>Aulacomnium palustre</i>	-	Native	-	R
<i>Calliergon cordifolium</i>	-	Native	-	LA
<i>Calliergonella cuspidata</i>	-	Native	-	R
<i>Campylopus introflexus</i>	-	Neophyte	-	R
<i>Funaria hygrometrica</i>	-	Native	-	R
<i>Hypnum jutlandicum</i>	-	Native	-	R
<i>Pellia neesiana</i>	-	Native	-	R
<i>Polytrichastrum formosum</i>	-	Native	-	O
<i>Pseudoscleropodium purum</i>	-	Native	-	LF

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Rhytiadelphus squarrosus</i>	-	Native	-	R
<i>Sphagnum denticulatum</i>	-	Native	-	R
<i>Sphagnum fallax</i>	-	Native	-	LA
<i>Sphagnum palustre</i>	-	Native	-	LA
<i>Ferns and allies</i>				
<i>Dryopteris dilatata</i>	Broad buckler-fern	Native	-	R
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	R
<i>Equisetum arvense</i>	Field horsetail	Native	-	R
<i>Pteridium aquilinum</i>	Bracken	Native	-	LD
Conifers				
<i>Chamaecyparis lawsoniana</i>	Lawson's cypress	Neophyte - Planted	-	R
<i>Larix decidua</i>	European larch	Neophyte - Planted	-	LD
<i>Picea abies</i>	Norway spruce	Neophyte - Planted	-	R
<i>Pinus sylvestris</i>	Scots pine	Neophyte	-	LD
<i>X Cuprocyparis leylandii</i>	Leyland cypress	Neophyte - Planted	-	R
Flowering plants				
<i>Acer platanoides</i>	Norway maple	Neophyte	-	R
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R
<i>Achillea millefolium</i>	Yarrow	Native	-	R
<i>Aegopodium podagraria</i>	Ground-elder	Archaeophyte	-	R
<i>Aesculus carnea</i>	Red horse-chestnut	Neophyte - Planted	-	R
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	LA
<i>Agrostis vinealis</i>	Brown bent	Native	-	LF
<i>Aira praecox</i>	Early hair-grass	Native	-	LF
<i>Ajuga reptans</i>	Bugle	Native	-	R
<i>Alisma plantago-aquatica</i>	Water-plantain	Native	-	R
<i>Alnus incana</i>	Grey alder	Neophyte - Planted	-	R
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	LA
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Anagallis arvensis</i>	Scarlet pimpernel	Native	-	R
<i>Anagallis tenella</i>	Bog pimpernel	Native	VC17 Scarce	LA
<i>Anchusa arvensis</i>	Bugloss	Archaeophyte	-	R
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	Native	-	LA
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R
<i>Aphanes arvensis</i>	Parsley-piert	Native	-	R
<i>Arctium minus</i>	Lesser burdock	Native	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	LD
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	R
<i>Bellis perennis</i>	Daisy	Native	-	R
<i>Betula pendula</i>	Silver birch	Native	-	F-LA
<i>Betula x aurata</i>	-	Native	-	R
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	R
<i>Bryonia dioica</i>	White bryony	Native	-	R
<i>Callitriche brutia</i> subsp. <i>hamulata</i>	Intermediate water-starwort	Native	VC17 Scarce	R
<i>Callitriche stagnalis</i>	Common water-starwort	Native	-	R
<i>Calluna vulgaris</i>	Heather	Native	Eng NT	LD
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R
<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	R
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	LF
<i>Carex binervis</i>	Green-ribbed sedge	Native	-	LF
<i>Carex demissa</i>	Common yellow-sedge	Native	-	LF
<i>Carex flacca</i>	Glaucous sedge	Native	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	R
<i>Carex leporina</i>	Oval sedge	Native	-	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R
<i>Carex pilulifera</i>	Pill sedge	Native	-	LF
<i>Carex spicata</i>	Spiked sedge	Native	-	LF
<i>Carpinus betulus</i>	Hornbeam	Native	AWI	R

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<i>Castanea sativa</i>	Sweet chestnut	Archaeophyte	-	F
<i>Centaurea nigra</i>	Common knapweed	Native	-	R
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	O
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	R
<i>Cirsium arvense</i>	Creeping thistle	Native	-	O
<i>Cirsium palustre</i>	Marsh thistle	Native	-	LF
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R
<i>Conium maculatum</i>	Hemlock	Archaeophyte	-	R
<i>Corylus avellana</i>	Hazel	Native	-	R
<i>Crassula helmsii</i>	New Zealand pigmyweed	Neophyte	Schedule 9	LD
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R
<i>Crepis vesicaria</i>	Beaked hawk's-beard	Neophyte	-	R
<i>Cytisus scoparius</i>	Broom	Native	-	R
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	R
<i>Digitalis purpurea</i>	Foxglove	Native	-	R
<i>Eleocharis palustris</i>	Common spike-rush	Native	-	LA
<i>Epilobium montanum</i>	Broadleaved willowherb	Native	-	R
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	R
<i>Erica cinerea</i>	Bell heather	Native	Eng NT	R
<i>Fagus sylvatica</i>	Beech	Native	-	O
<i>Festuca rubra</i>	Red fescue	Native	-	F-LD
<i>Fraxinus excelsior</i>	Ash	Native	-	LF
<i>Galium aparine</i>	Cleavers	Native	-	O
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	LF
<i>Galium saxatile</i>	Heath bedstraw	Native	-	R
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	R
<i>Geranium molle</i>	Dove's-foot crane's-bill	Native	-	R
<i>Geranium robertianum</i>	Herb-robert	Native	-	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LA

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Hedera helix</i>	Common ivy	Native	-	R
<i>Helminthotheca echioides</i>	Bristly oxtongue	Archaeophyte	-	R
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R
<i>Hieracium</i> agg.	A hawkweed	-	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	F
<i>Holcus mollis</i>	Creeping soft-grass	Native	AWI	R
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Native	Eng NT	R
<i>Hypericum humifusum</i>	Trailing St John's-wort	Native	-	R
<i>Hypericum maculatum</i>	Imperforate St John's-wort	Native	-	R
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R
<i>Hypericum pulchrum</i>	Slender St John's-wort	Native	AWI	R
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	R
<i>Ilex aquifolium</i>	Holly	Native	-	LA
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	LA
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R
<i>Isolepis setacea</i>	Bristle club-rush	Native	VC17 Scarce	R
<i>Juncus acutiflorus</i>	Sharp-flowered rush	Native	-	LF
<i>Juncus articulatus</i>	Jointed rush	Native	-	R
<i>Juncus bulbosus</i>	Bulbous rush	Native	-	R
<i>Juncus conglomeratus</i>	Compact rush	Native	-	R
<i>Juncus effusus</i>	Soft-rush	Native	-	LA
<i>Juncus inflexus</i>	Hard rush	Native	-	R
<i>Juncus squarrosus</i>	Heath rush	Native	-	R
<i>Lactuca virosa</i>	Great lettuce	Native	-	R
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R
<i>Lamium purpureum</i>	Red dead-nettle	Archaeophyte	-	R
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	R
<i>Lemna minor</i>	Common duckweed	Native	-	R
<i>Leontodon saxatilis</i>	Lesser hawkbit	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	D

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Lonicera periclymenum</i>	Honeysuckle	Native	-	LF
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	R
<i>Lotus pedunculatus</i>	Greater bird's-foot-trefoil	Native	-	LF
<i>Luzula campestris</i>	Field wood-rush	Native	-	LF
<i>Luzula multiflora</i> subsp. <i>congesta</i>	Heath wood-rush	Native	-	R
<i>Lycopus europaeus</i>	Gypsywort	Native	-	LF
<i>Lythrum portula</i>	Water-purslane	Native	-	R
<i>Mahonia aquifolium</i>	Oregon-grape	Neophyte - Naturalised	-	R
<i>Mentha aquatica</i>	Water mint	Native	-	R
<i>Molinia caerulea</i>	Purple moor-grass	Native	-	LD
<i>Montia fontana</i>	Blinks	Native	-	R
<i>Mycelis muralis</i>	Wall lettuce	Native	-	R
<i>Myosotis arvensis</i>	Field forget-me-not	Archaeophyte	-	R
<i>Myosotis discolor</i>	Changing forget-me-not	Native	-	R
<i>Myosotis laxa</i>	Tufted forget-me-not	Native	-	R
<i>Myosotis scorpioides</i>	Water forget-me-not	Native	-	R
<i>Myosotis sylvatica</i>	Wood forget-me-not	Native	-	R
<i>Pentaglottis sempervirens</i>	Green alkanet	Neophyte	-	R
<i>Phragmites australis</i>	Common reed	Native	-	LD
<i>Pilosella officinarum</i>	Mouse-ear-hawkweed	Native	-	R
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O
<i>Plantago major</i>	Greater plantain	Native	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	R
<i>Poa nemoralis</i>	Wood meadow-grass	Native	AWI	R
<i>Poa pratensis</i>	Smooth meadow-grass	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	A
<i>Populus tremula</i>	Aspen	Native	AWI	R
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte - Planted	-	R
<i>Populus x canescens</i>	Grey poplar	Neophyte - Naturalised	-	R
<i>Potamogeton natans</i>	Broadleaved pondweed	Native	-	LD

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<i>Potamogeton pusillus</i>	Lesser pondweed	Native	VC17 Scarce	R
<i>Potentilla erecta</i>	Tormentil	Native	Eng NT	LF
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R
<i>Potentilla sterilis</i>	Barren strawberry	Native	AWI	R
<i>Prunella vulgaris</i>	Selfheal	Native	-	R
<i>Prunus cerasifera</i>	Cherry plum	Neophyte	-	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	R
<i>Pulicaria dysenterica</i>	Common fleabane	Native	-	R
<i>Quercus cerris</i>	Turkey oak	Neophyte - Naturalised	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	LD
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	R
<i>Ranunculus flammula</i>	Lesser spearwort	Native	Eng VU	LF
<i>Ranunculus hederaceus</i>	Ivy-leaved crowfoot	Native	-	LA
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	Native	-	LF
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	O
<i>Rhododendron ponticum</i>	Rhododendron	Neophyte	Schedule 9	O
<i>Rorippa palustris</i>	Marsh yellow-cress	Native	-	R
<i>Rosa canina</i> agg.	A dog rose	Native	-	R
<i>Rosa rugosa</i>	Japanese rose	Neophyte - Naturalised	Schedule 9	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA
<i>Rumex acetosa</i>	Common sorrel	Native	-	O
<i>Rumex acetosella</i>	Sheep's sorrel	Native	-	LF
<i>Rumex crispus</i>	Curled dock	Native	-	R
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	R
<i>Sagina procumbens</i>	Procumbent pearlwort	Native	-	R
<i>Salix caprea</i>	Goat willow	Native	-	R
<i>Salix cinerea</i>	Grey willow	Native	-	R
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte - Planted	-	R
<i>Sambucus nigra</i>	Elder	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Scrophularia nodosa</i>	Common figwort	Native	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	O
<i>Senecio sylvaticus</i>	Heath groundsel	Native	-	R
<i>Senecio vulgaris</i>	Groundsel	Native	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R
<i>Sorbus aucuparia</i>	Rowan	Native	-	R
<i>Sparganium erectum</i>	Branched bur-reed	Native	-	LD
<i>Stellaria alsine</i>	Bog stitchwort	Native	-	R
<i>Stellaria graminea</i>	Lesser stitchwort	Native	-	R
<i>Stellaria holostea</i>	Greater stitchwort	Native	-	R
<i>Stellaria pallida</i>	Lesser chickweed	Native	-	R
<i>Tamus communis</i>	Black bryony	Native	AWI	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	R
<i>Teucrium scorodonia</i>	Wood sage	Native	-	R
<i>Tilia cordata</i>	Small-leaved lime	Neophyte - Planted	-	R
<i>Tilia x europaea</i>	Lime	Native	-	R
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	R
<i>Trifolium campestre</i>	Hop trefoil	Native	-	R
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	R
<i>Trifolium micranthum</i>	Slender trefoil	Native	-	R
<i>Trifolium pratense</i>	Red clover	Native	-	R
<i>Typha angustifolia</i>	Lesser bulrush	Native	VC17 Scarce	R
<i>Typha latifolia</i>	Bulrush	Native	-	LD
<i>Ulex europaeus</i>	Gorse	Native	-	O
<i>Ulmus procera</i>	English elm	Native	-	R
<i>Urtica dioica</i>	Common nettle	Native	-	LD
<i>Verbascum thapsus</i>	Great mullein	Native	-	R
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	F

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<i>Veronica officinalis</i>	Heath speedwell	Native	Eng NT	O
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	R
<i>Viburnum opulus</i>	Guelder-rose	Native	AWI	R
<i>Vicia sativa</i> subsp. <i>nigra</i>	Narrow-leaved vetch	Native	-	R
<i>Vicia sativa</i> subsp. <i>segetalis</i>	Common vetch	Archaeophyte	-	O
<i>Vicia tetrasperma</i>	Smooth tare	Native	-	R
<i>Viola odorata</i>	Sweet violet	Native	-	R
<i>Viola riviniana</i>	Common dog-violet	Native	-	R
<i>Viscum album</i>	Mistletoe	Native	-	R
<i>Vulpia bromoides</i>	Squirreltail fescue	Native	-	R

Table B30: Summary of Plant Taxa Recorded from Addlestone Moor

Scientific Name		Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
					1	2
Bryophytes						
<i>Brachythecium albicans</i>		-	Native	-	R	-
<i>Calliergonella cuspidata</i>		-	Native	-	-	R
<i>Polytrichum juniperinum</i>		-	Native	-	LA	-
<i>Pseudoscleropodium purum</i>		-	Native	-	R	-
Ferns and allies						
<i>Dryopteris affinis</i>		Scaly male-fern	Native	AWI	-	R
<i>Dryopteris dilatata</i>		Broad buckler-fern	Native	-	-	R
<i>Dryopteris filix-mas</i>		Male-fern	Native	-	R	R
<i>Equisetum arvense</i>		Field horsetail	Native	-	-	R
<i>Equisetum fluviatile</i>		Water horsetail	Native	-	-	R
<i>Equisetum palustre</i>		Marsh horsetail	Native	-	-	R
<i>Pteridium aquilinum</i>		Bracken	Native	-	LD	R
Conifers						
<i>Taxus baccata</i>		Yew	Native	-	R	R

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Scientific Name		Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
					1	2
Flowering plants						
<i>Acer campestre</i>		Field maple	Native	AWI	R	-
<i>Acer pseudoplatanus</i>		Sycamore	Neophyte	-	LD	-
<i>Achillea millefolium</i>		Yarrow	Native	-	LA	-
<i>Aegopodium podagraria</i>		Ground-elder	Archaeophyte	-	-	R
<i>Aesculus hippocastanum</i>		Horse-chestnut	Neophyte	-	R	R
<i>Agrostis canina</i>		Velvet bent	Native	-	-	LD
<i>Agrostis capillaris</i>		Common bent	Native	-	-	LF
<i>Agrostis stolonifera</i>		Creeping bent	Native	-	-	LA
<i>Aira praecox</i>		Early hair-grass	Native	-	R	-
<i>Alliaria petiolata</i>		Garlic mustard	Native	-	R	R
<i>Alnus glutinosa</i>		Alder	Native	-	-	LD
<i>Alopecurus geniculatus</i>		Marsh foxtail	Native	-	-	LA
<i>Alopecurus pratensis</i>		Meadow foxtail	Native	-	R	R
<i>Anagallis arvensis</i>		Scarlet pimpernel	Native	-	R	-
<i>Anchusa arvensis</i>		Bugloss	Archaeophyte	-	R	-
<i>Anisantha sterilis</i>		Barren brome	Archaeophyte	-	R	R
<i>Anthoxanthum odoratum</i>		Sweet vernal-grass	Native	-	F	A
<i>Anthriscus sylvestris</i>		Cow parsley	Native	-	R	R
<i>Aphanes australis</i>		Slender parsley-piert	Native	-	LA	-
<i>Arctium minus sens. lat.</i>		A burdock	Native	-	-	R
<i>Arrhenatherum elatius</i>		False oat-grass	Native	-	LD	R
<i>Artemisia vulgaris</i>		Mugwort	Archaeophyte	-	-	R
<i>Arum maculatum</i>		Lords-and-ladies	Native	-	R	-
<i>Bellis perennis</i>		Daisy	Native	-	R	-
<i>Betula pendula</i>		Silver birch	Native	-	R	LD
<i>Betula pubescens</i>		Downy birch	Native	-	-	LF
<i>Betula utilis</i>		Himalayan birch	Neophyte - Planted	-	R	-
<i>Brassica napus</i>		Rape	Neophyte	-	-	R

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					1	2
<i>Brassica rapa</i>		Turnip	Archaeophyte	-	R	-
<i>Bromus hordeaceus</i>		Soft-brome	Native	-	-	R
<i>Bryonia dioica</i>		White bryony	Native	-	R	R
<i>Buddleja davidii</i>		Butterfly-bush	Neophyte - Naturalised	INNS	-	R
<i>Callitriche stagnalis</i>		Common water-starwort	Native	-	-	R
<i>Capsella bursa-pastoris</i>		Shepherd's-purse	Archaeophyte	-	-	R
<i>Carex hirta</i>		Hairy sedge	Native	-	-	F
<i>Carex leporina</i>		Oval sedge	Native	-	-	F-LA
<i>Carex muricata</i> subsp. <i>pairae</i>		Small-fruited prickly-sedge	Native	-	R	-
<i>Carex nigra</i>		Common sedge	Native	-	-	LF
<i>Carex pendula</i>		Pendulous sedge	Neophyte - Alien	-	R	R
<i>Carex pseudocyperus</i>		Cyperus sedge	Native	-	-	R
<i>Carex remota</i>		Remote sedge	Native	AWI	-	LF
<i>Castanea sativa</i>		Sweet chestnut	Archaeophyte	-	R	R
<i>Centaurea nigra</i>		Common knapweed	Native	-	R	-
<i>Centaureum erythraea</i>		Common centaury	Native	-	R	-
<i>Cephalanthera damasonium</i>		White helleborine	Native	Eng VU, GB VU, S41	-	R
<i>Cerastium fontanum</i>		Common mouse-ear	Native	-	O	-
<i>Cerastium glomeratum</i>		Sticky mouse-ear	Native	-	O	-
<i>Cerastium semidecandrum</i>		Little mouse-ear	Native	-	R	-
<i>Chamerion angustifolium</i>		Rosebay willowherb	Native	-	-	LA
<i>Cirsium arvense</i>		Creeping thistle	Native	-	O	R
<i>Cirsium palustre</i>		Marsh thistle	Native	-	LF	LA
<i>Cirsium vulgare</i>		Spear thistle	Native	-	-	R
<i>Conium maculatum</i>		Hemlock	Archaeophyte	-	-	LF
<i>Corylus avellana</i>		Hazel	Native	-	R	R
<i>Crataegus monogyna</i>		Hawthorn	Native	-	LD	R
<i>Crepis capillaris</i>		Smooth hawk's-beard	Native	-	R	-
<i>Cytisus scoparius</i>		Broom	Native	-	-	R

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					1	2
<i>Dactylis glomerata</i>		Cock's-foot	Native	-	-	R
<i>Deschampsia cespitosa</i>		Tufted hair-grass	Native	-	-	LF
<i>Digitalis purpurea</i>		Foxglove	Native	-	-	R
<i>Dipsacus fullonum</i>		Wild teasel	Native	-	-	R
<i>Epilobium hirsutum</i>		Great willowherb	Native	-	-	R
<i>Erodium cicutarium</i>		Common stork's-bill	Native	-	R	-
<i>Fagus sylvatica</i>		Beech	Native	-	R	-
<i>Festuca rubra</i>		Red fescue	Native	-	F	R
<i>Fraxinus angustifolia</i>		Narrow-leaved ash	Neophyte - Planted	-	R	-
<i>Galeopsis tetrahit</i> agg.		A hen-bit deadnettle	Native	-	-	R
<i>Galium aparine</i>		Cleavers	Native	-	O	LF
<i>Galium palustre</i>		Marsh-bedstraw	Native	-	-	R
<i>Geranium dissectum</i>		Cut-leaved crane's-bill	Archaeophyte	-	R	R
<i>Geranium macrorrhizum</i>		Rock crane's-bill	Neophyte - Naturalised	-	-	R
<i>Geranium molle</i>		Dove's-foot crane's-bill	Native	-	LF	-
<i>Geranium robertianum</i>		Herb-robert	Native	-	-	R
<i>Geum urbanum</i>		Wood avens	Native	-	R	R
<i>Glechoma hederacea</i>		Ground-ivy	Native	-	A	R
<i>Glyceria fluitans</i>		Floating sweet-grass	Native	-	-	LA
<i>Hedera helix</i>		Common ivy	Native	-	R	LA
<i>Helminthotheca echioides</i>		Bristly oxtongue	Archaeophyte	-	-	R
<i>Heracleum sphondylium</i>		Hogweed	Native	-	O	-
<i>Hieracium</i> agg.		A hawkweed	-	-	-	R
<i>Hirschfeldia incana</i>		Hoary mustard	Neophyte	-	-	R
<i>Holcus lanatus</i>		Yorkshire-fog	Native	-	F	F-LD
<i>Holcus mollis</i>		Creeping soft-grass	Native	AWI	-	LA
<i>Humulus lupulus</i>		Hop	Native	-	R	-
<i>Hyacinthoides non-scripta</i>		Bluebell	Native	AWI, Schedule 8	LA	R
<i>Hyacinthoides x massartiana</i>		Garden bluebell	Neophyte - Naturalised	-	R	R

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					1	2
<i>Hypericum pulchrum</i>		Slender St John's-wort	Native	AWI	-	R
<i>Hypochaeris radicata</i>		Cat's-ear	Native	-	R	R
<i>Ilex aquifolium</i>		Holly	Native	-	R	R
<i>Iris pseudacorus</i>		Yellow iris	Native	-	-	R
<i>Juncus acutiflorus</i>		Sharp-flowered rush	Native	-	-	LA
<i>Juncus articulatus</i>		Jointed rush	Native	-	-	R
<i>Juncus bufonius</i>		Toad rush	Native	-	-	LA
<i>Juncus conglomeratus</i>		Compact rush	Native	-	-	R
<i>Juncus effusus</i>		Soft-rush	Native	-	-	LD
<i>Juncus inflexus</i>		Hard rush	Native	-	-	R
<i>Lactuca virosa</i>		Great lettuce	Native	-	-	R
<i>Lamium album</i>		White dead-nettle	Archaeophyte	-	R	R
<i>Leontodon saxatilis</i>		Lesser hawkbit	Native	-	LF	-
<i>Lepidium didymum</i>		Lesser swine-cress	Neophyte	-	R	-
<i>Lolium perenne</i>		Perennial rye-grass	Native	-	-	LA
<i>Lonicera periclymenum</i>		Honeysuckle	Native	-	-	LF
<i>Lotus corniculatus</i>		Common bird's-foot-trefoil	Native	-	LA	-
<i>Lotus pedunculatus</i>		Greater bird's-foot-trefoil	Native	-	-	LF
<i>Luzula campestris</i>		Field wood-rush	Native	-	LF	-
<i>Lysimachia vulgaris</i>		Yellow loosestrife	Native	-	-	R
<i>Medicago lupulina</i>		Black medick	Native	-	-	R
<i>Mycelis muralis</i>		Wall lettuce	Native	-	-	R
<i>Myosotis arvensis</i>		Field forget-me-not	Archaeophyte	-	-	R
<i>Myosotis discolor</i>		Changing forget-me-not	Native	-	LF	-
<i>Narcissus</i> agg.		A daffodil	Neophyte	-	R	R
<i>Ornithopus perpusillus</i>		Bird's-foot	Native	-	LA	-
<i>Pentaglottis sempervirens</i>		Green alkanet	Neophyte	-	R	R
<i>Persicaria amphibia</i>		Amphibious bistort	Native	-	-	LF
<i>Persicaria hydropiper</i>		Water-pepper	Native	-	-	LA

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					1	2
<i>Phalaris arundinacea</i>		Reed canary-grass	Native	-	-	LD
<i>Plantago coronopus</i>		Buck's-horn plantain	Native	-	R	-
<i>Plantago lanceolata</i>		Ribwort plantain	Native	-	LF	R
<i>Plantago major</i>		Greater plantain	Native	-	R	R
<i>Poa annua</i>		Annual meadow-grass	Native	-	R	-
<i>Poa humilis</i>		Spreading meadow-grass	Native	VC17 Rare	-	R
<i>Poa nemoralis</i>		Wood meadow-grass	Native	AWI	-	R
<i>Poa pratensis</i>		Smooth meadow-grass	Native	-	-	R
<i>Poa trivialis</i>		Rough meadow-grass	Native	-	LA	LA
<i>Potentilla anglica</i>		Trailing tormentil	Native	VC17 Scarce	-	R
<i>Potentilla erecta</i>		Tormentil	Native	Eng NT	-	R
<i>Potentilla reptans</i>		Creeping cinquefoil	Native	-	LF	R
<i>Prunella vulgaris</i>		Selfheal	Native	-	R	R
<i>Prunus cerasifera</i>		Cherry plum	Neophyte	-	R	-
<i>Prunus domestica</i>		Wild plum	Archaeophyte	-	-	R
<i>Prunus laurocerasus</i>		Cherry laurel	Neophyte - Naturalised	INNS	R	R
<i>Prunus spinosa</i>		Blackthorn	Native	-	LD	-
<i>Quercus cerris</i>		Turkey oak	Neophyte - Naturalised	-	R	R
<i>Quercus robur</i>		Pedunculate oak	Native	-	LD	LD
<i>Ranunculus acris</i>		Meadow buttercup	Native	-	R	R
<i>Ranunculus flammula</i>		Lesser spearwort	Native	Eng VU	-	R
<i>Ranunculus repens</i>		Creeping buttercup	Native	-	F	O
<i>Ranunculus sceleratus</i>		Celery-leaved buttercup	Native	-	-	R
<i>Rhododendron ponticum</i>		Rhododendron	Neophyte	Schedule 9	LD	-
<i>Ribes rubrum</i>		Red currant	-	AWI	R	-
<i>Rosa arvensis</i>		Field-rose	Native	AWI	-	R
<i>Rubus armeniacus</i>		Himalayan giant bramble	Neophyte	INNS	-	LD
<i>Rubus fruticosus</i> agg.		Bramble	Native	-	-	LD
<i>Rumex acetosa</i>		Common sorrel	Native	-	F	R

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					1	2
<i>Rumex acetosella</i>		Sheep's sorrel	Native	-	LA	-
<i>Rumex conglomeratus</i>		Clustered dock	Native	-	-	R
<i>Rumex crispus</i>		Curled dock	Native	-	R	R
<i>Rumex obtusifolius</i>		Broadleaved dock	Native	-	-	R
<i>Rumex sanguineus</i>		Wood dock	Native	-	-	LF
<i>Sagina procumbens</i>		Procumbent pearlwort	Native	-	R	-
<i>Salix caprea</i>		Goat willow	Native	-	-	R
<i>Salix cinerea</i>		Grey willow	Native	-	-	F-LA
<i>Salix x fragilis sens. lat.</i>		Crack willow	-	-	-	O
<i>Salix x multinervis</i>		-	Native	-	-	R
<i>Salix x reichardtii</i>		-	Native	-	R	-
<i>Sambucus nigra</i>		Elder	Native	-	O	O
<i>Scrophularia auriculata</i>		Water figwort	Native	-	-	R
<i>Scrophularia nodosa</i>		Common figwort	Native	-	-	R
<i>Senecio jacobaea</i>		Common ragwort	Native	-	A	LA
<i>Senecio vulgaris</i>		Groundsel	Native	-	-	R
<i>Silene dioica</i>		Red campion	Native	-	LA	-
<i>Silene latifolia</i>		White campion	Archaeophyte	-	-	R
<i>Solanum dulcamara</i>		Bittersweet	Native	-	-	R
<i>Sonchus asper</i>		Prickly sow-thistle	Native	-	R	-
<i>Sorbus aucuparia</i>		Rowan	Native	-	-	R
<i>Sorbus intermedia</i>		Swedish whitebeam	Neophyte	-	R	-
<i>Sparganium erectum</i>		Branched bur-reed	Native	-	-	R
<i>Stellaria alsine</i>		Bog stitchwort	Native	-	-	R
<i>Stellaria graminea</i>		Lesser stitchwort	Native	-	F	-
<i>Stellaria holostea</i>		Greater stitchwort	Native	-	-	R
<i>Stellaria media</i>		Common chickweed	Native	-	R	R
<i>Taraxacum agg.</i>		Dandelion	Native	-	R	R
<i>Teucrium scorodonia</i>		Wood sage	Native	-	-	R



Scientific Name		Common Name	Status	Legal/Conservation Status	Subsite/DAFOR	
					1	2
<i>Trifolium dubium</i>		Lesser trefoil	Native	-	R	R
<i>Trifolium pratense</i>		Red clover	Native	-	R	-
<i>Trifolium repens</i>		White clover	Native	-	O	R
<i>Urtica dioica</i>		Common nettle	Native	-	A	LD
<i>Verbascum thapsus</i>		Great mullein	Native	-	R	R
<i>Veronica arvensis</i>		Wall speedwell	Native	-	R	-
<i>Veronica chamaedrys</i>		Germander speedwell	Native	-	A	R
<i>Veronica hederifolia</i> subsp. <i>lucorum</i>		Ivy-leaved speedwell	Archaeophyte	-	R	-
<i>Veronica persica</i>		Common field-speedwell	Neophyte	-	-	R
<i>Veronica serpyllifolia</i>		Thyme-leaved speedwell	Native	-	F	-
<i>Viburnum opulus</i>		Guelder-rose	Native	AWI	R	-
<i>Vicia hirsuta</i>		Hairy tare	Native	-	R	R
<i>Vicia sativa</i>		Common vetch	Native	-	O	-
<i>Vicia sativa</i> subsp. <i>nigra</i>		Narrow-leaved vetch	Native	-	R	-
<i>Vulpia bromoides</i>		Squirreltail fescue	Native	-	LA	-

Table B31: Summary of Plant Taxa Recorded from Chertsey Meads

Scientific Name	Common Name	Status	Legal/ Conservation Status	Subsite/DAFOR												
				1	2	3	4	5	6	7	8	9	10	11	12	Other
Bryophytes																
<i>Amblystegium serpens</i>	-	-	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Brachythecium rutabulum</i>	-	-	-	-	LF	-	R	O	-	-	-	-	-	-	-	-
<i>Bryum capillare</i>	-	-	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Calliergonella cuspidata</i>	-	-	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Kindbergia praelonga</i>	-	-	-	-	R	-	-	-	-	-	-	-	-	-	-	-
<i>Orthotrichum affine</i>	-	-	-	-	-	-	R	-	-	-	-	-	-	-	-	-

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				1	2	3	4	5	6	7	8	9	10	11	12	Other	
<i>Oxyrrhynchium hians</i>	-	-	-	-	R	-	-	-	-	-	-	R	-	-	-	-	
Ferns and allies																	
<i>Dryopteris filix-mas</i>	Male-fern	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-	
<i>Equisetum arvense</i>	Field horsetail	Native	-	-	-	-	R	-	-	-	-	-	-	-	-	-	
<i>Equisetum palustre</i>	Marsh horsetail	Native	-	-	LF	LF	-	-	-	LF	-	R	-	-	-	-	
<i>Ophioglossum vulgatum</i>	Adder's-tongue	Native	-	-	O	-	-	-	-	R	-	-	-	-	-	-	
Conifers																	
<i>Picea abies</i>	Norway spruce	Neophyte - Planted	-	-	R	-	-	-	-	-	-	-	-	-	-	-	
<i>X Cuprocyparis leylandii</i>	Leyland cypress	Neophyte	-	-	-	-	-	-	-	-	LD	-	LD	-	-	-	
Flowering plants																	
<i>Acer campestre</i>	Field maple	Native	AWI	R	-	-	R	R	O	R	-	-	R	-	-	-	
<i>Acer platanoides</i>	Norway maple	Neophyte	-	R	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Acer pseudoplatanus</i>	Sycamore	Neophyte	-	R	-	-	-	-	R	-	-	R	R	O	R	-	
<i>Acer saccharinum</i>	Silver maple	Neophyte - Planted	-	R	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Achillea millefolium</i>	Yarrow	Native	-	R	-	-	R	R	F	-	-	-	-	-	-	-	
<i>Aegopodium podagraria</i>	Ground-elder	Archaeophyte	-	-	-	-	-	-	-	-	-	-	LA	-	-	-	
<i>Aesculus carnea</i>	Red horse-chestnut	Neophyte	-	-	-	-	-	-	-	R	-	-	-	-	-	-	
<i>Aesculus hippocastanum</i>	Horse-chestnut	Neophyte - Naturalised	-	-	-	-	-	-	-	-	-	-	-	D	-	-	
<i>Agrostis capillaris</i>	Common bent	Native	-	-	R	-	-	R	O	-	-	-	-	LF	-	-	
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	R	LD	LA	LA	-	-	-	LF	-	-	-	-	-	
<i>Alliaria petiolata</i>	Garlic mustard	Native	-	R	-	-	R	-	R	R	-	-	-	O	-	-	
<i>Allium vineale</i>	Wild onion	Native	-	O	LF	R	-	LF	LA	O	-	-	-	-	-	-	
<i>Alnus glutinosa</i>	Alder	Native	-	R	-	-	-	-	-	-	-	-	R	-	-	-	
<i>Alnus incana</i>	Grey alder	Neophyte - Naturalised	-	-	-	-	-	R	-	-	-	-	-	-	-	R	

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				1	2	3	4	5	6	7	8	9	10	11	12	Other
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	D	O	LF	O	D	A	D	O	-	A	-	-	-
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R	-	R	LF	-	-	-	-	LA	-	-	R	-
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	R	R	-	-	-	-	-	-	-	-	-	-	-
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	Native	-	-	R	R	-	R	F	-	-	-	-	-	-	-
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	O	R	R	R	R	LD	R	-	R	LF	R	-	-
<i>Aphanes arvensis</i> agg.	A parsley-piert	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Arctium lappa</i>	Greater burdock	Archaeophyte	-	R	-	R	R	-	-	R	-	-	R	O	-	-
<i>Arctium minus</i>	Lesser burdock	Native	-	R	R	-	-	-	-	-	-	-	-	R	-	-
<i>Arrhenatherum elatius</i>	False Oat-grass	Native	-	-	-	-	-	R	-	-	-	LD	-	-	F	-
<i>Artemisia vulgaris</i>	Mugwort	Archaeophyte	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Arum maculatum</i>	Lords-and-ladies	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Avenula pubescens</i>	Downy Oat-grass	Native	-	-	R	LA	-	LF	F	F	-	-	-	-	-	-
<i>Ballota nigra</i>	Black horehound	Archaeophyte	-	R	-	-	-	-	R	-	-	-	-	-	-	-
<i>Barbarea intermedia</i>	Medium-flowered winter-cress	Neophyte	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Bellis perennis</i>	Daisy	Native	-	R	-	-	-	-	-	R	-	-	-	-	-	-
<i>Betula pendula</i>	Silver birch	Native	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Brachypodium sylvaticum</i>	False-brome	Native	-	-	-	R	-	-	-	-	-	-	R	O	-	-
<i>Brassica rapa</i>	Turnip	Archaeophyte	-	O	LF	-	LF	R	R	R	-	R	R	-	-	-
<i>Bromus commutatus</i>	Meadow brome	Native	-	-	-	A	-	-	-	LF	-	-	-	-	-	-
<i>Bromus hordeaceus</i>	Soft-brome	Native	-	-	O	R	-	-	-	-	-	-	-	-	-	-
<i>Bryonia dioica</i>	White bryony	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	-	-	-	-	R	-	R	-	-	-	-	-	-
<i>Campanula glomerata</i>	Clustered bellflower	Native	-	-	-	LF	-	-	-	-	-	-	-	-	-	-
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Archaeophyte	-	R	R	-	-	-	-	-	-	-	-	-	-	-

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<i>Cardamine flexuosa</i>	Wavy bitter-cress	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Cardamine hirsuta</i>	Hairy bitter-cress	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Cardamine pratensis</i>	Cuckooflower	Native	-	O	R	O	R	R	-	R	O	-	-	-	-	-
<i>Carex acuta</i>	Slender tufted-sedge	Native	VC17 Scarce	-	-	-	-	-	-	-	-	O	-	-	-	-
<i>Carex acutiformis</i>	Lesser pond-sedge	Native	-	R	-	-	R	R	-	-	-	-	R	-	-	LD
<i>Carex disticha</i>	Brown sedge	Native	-	R	-	R	-	-	-	-	-	R	-	-	-	-
<i>Carex hirta</i>	Hairy sedge	Native	-	-	-	-	-	R	-	-	R	-	R	-	-	R
<i>Carex panicea</i>	Carnation sedge	Native	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	-	-	R	R	-	-	-	-	-	R	LD	-	-
<i>Carex remota</i>	Remote sedge	Native	AWI	-	-	-	-	-	-	-	-	-	R	R	-	-
<i>Carex riparia</i>	Greater pond-sedge	Native	-	-	-	R	LD	-	-	-	-	D	-	-	LD	-
<i>Carex x subgracilis</i>	-	Native	-	-	-	-	-	-	-	-	-	R	-	-	-	-
<i>Carpinus betulus</i>	Hornbeam	Neophyte - Planted	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Centaurea nigra</i>	Common knapweed	Native	-	-	R	LF	R	-	O	-	-	-	-	-	-	-
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R	O	-	R	-	-	R	-	-	-	R	-	-
<i>Cerastium glomeratum</i>	Sticky mouse-ear	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Cirsium arvense</i>	Creeping thistle	Native	-	R	-	-	R	R	-	R	R	O	R	R	-	-
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R	-	-	-	-	-	-	-	-	-	R	-	-
<i>Conium maculatum</i>	Hemlock	Archaeophyte	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Cornus sanguinea</i>	Dogwood	Native	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Corylus avellana</i>	Hazel	Native	-	R	-	-	-	-	-	-	R	-	-	O	-	-
<i>Crataegus monogyna</i>	Hawthorn	Native	-	R	-	-	LF	-	R	-	-	-	LA	O	F	-
<i>Crataegus x media</i>	-	Native	-	-	-	R	-	-	R	-	-	-	-	-	-	R
<i>Crepis biennis</i>	Rough hawk's-beard	Native	VC17 Scarce	-	-	LF	-	-	-	LF	-	-	-	-	-	-

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				1	2	3	4	5	6	7	8	9	10	11	12	Other
<i>Crepis capillaris</i>	Smooth hawk's-beard	Native	-	-	-	-	R	R	-	-	-	-	-	-	-	-
<i>Crepis vesicaria</i>	Beaked hawk's-beard	Neophyte	-	R	F	F	F-LA	R	-	R	-	-	A	-	-	-
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F	F	R	F	F	O	O	F	-	F	R	-	-
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	-	-	R	R	-	-	-	-	R	-	-	-	-
<i>Dipsacus fullonum</i>	Wild teasel	Native	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Elytrigia repens</i>	Common couch	Native	-	R	-	-	-	-	-	-	-	-	R	-	-	-
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R	-	R	LF	LA	-	R	R	O	LF	-	-	-
<i>Euonymus europaeus</i>	Spindle	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	R
<i>Fagus sylvatica</i>	Beech	Native	-	-	-	-	-	-	-	R	-	-	-	-	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	A	F-LD	-	F	A	A	A	A	-	A	-	-	-
<i>Ficaria verna</i>	Lesser celandine	Native	-	R	R	R	R	R	-	-	-	R	R	O	-	-
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	LF	R	LF	LF	LA	-	R	LF	LF	R	-	-	-
<i>Fraxinus excelsior</i>	Ash	Native	-	R	-	-	R	R	R	-	-	-	-	R	R	-
<i>Galium album</i>	White bedstraw	Native	-	-	-	LF	-	-	-	R	-	-	-	-	-	-
<i>Galium aparine</i>	Cleavers	Native	-	LA	R	LA	LA	LA	-	LA	R	A	LF	F	-	-
<i>Galium verum</i>	Lady's bedstraw	Native	-	F	-	LF	R	A	F	F-LA	R	-	-	-	-	-
<i>Galium x pomeranicum</i>	-	Native	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	O	O	O	F	O	O	R	-	-	R	-	-	-
<i>Geranium molle</i>	Dove's-foot crane's-bill	Native	-	R	-	-	-	-	-	-	-	-	-	LF	-	-
<i>Geranium pratense</i>	Meadow crane's-bill	Native	VC17 Scarce	R	R	R	LA	-	-	R	O	O	-	-	-	-
<i>Geranium robertianum</i>	Herb-robert	Native	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Geum urbanum</i>	Wood avens	Native	-	R	-	R	-	-	-	R	-	R	R	R	-	-

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				1	2	3	4	5	6	7	8	9	10	11	12	Other
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R	-	R	R-LF	-	R	R	-	R	O	R	F	-
<i>Glyceria maxima</i>	Reed sweet-grass	Native	-	R	-	R	LA	-	-	-	-	-	-	-	-	-
<i>Hedera helix</i>	Common ivy	Native	-	-	-	R	R	-	-	R	-	-	-	O	R	-
<i>Helminthotheca echinoides</i>	Bristly oxtongue	Archaeophyte	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R	-	O	O	O	O	O	R	-	R	R	-	-
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	-	F	-	O	F	F	O	O	-	O	-	-	-
<i>Humulus lupulus</i>	Hop	Native	-	-	-	-	-	-	-	-	-	R	-	-	LA	R
<i>Hyacinthoides x massartiana</i>	Garden bluebell	Neophyte - Naturalised	-	R	-	-	-	-	-	R	-	-	-	R	-	-
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	-	F	R	-	-	R	-	-	-	-	-	-	-
<i>Ilex aquifolium</i>	Holly	Native	-	-	-	-	-	-	-	-	-	-	R	R	-	R
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	-	R	LA	LA	-	-	-	-	-	LA	-	-	-
<i>Iris foetidissima</i>	Stinking iris	Native	AWI	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Iris pseudacorus</i>	Yellow iris	Native	-	R	-	LA	R	R	-	-	-	-	-	LA	R	-
<i>Juncus articulatus</i>	Jointed rush	Native	-	-	-	-	-	-	-	-	LF	-	-	-	-	-
<i>Juncus inflexus</i>	Hard rush	Native	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R	R	R	LF	R	R	-	-	-	R	-	-	-
<i>Lamium purpureum</i>	Red dead-nettle	Archaeophyte	-	R	R	-	-	R	R	-	-	-	-	-	-	-
<i>Lapsana communis</i>	Nipplewort	Native	-	R	-	-	-	-	-	-	-	-	R	-	-	-
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	F	-	LA	R	A	F	A	LF	-	O	-	-	-
<i>Lemna minor</i>	Common duckweed	Native	-	-	-	-	-	-	-	-	-	-	-	-	A	-
<i>Lepidium draba</i>	Hoary cress	Neophyte	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	-	R	R	-	-	-	-	-	-	-	-	-	-

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<i>Leucojum aestivum</i> subsp. <i>pulchellum</i>	-	Neophyte - Naturalised	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Ligustrum ovalifolium</i>	Garden privet	Neophyte - Planted	-	-	-	-	-	-	-	-	-	-	R	-	-	-	-
<i>Ligustrum vulgare</i>	Wild privet	Native	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	LD	D	F- LD	D	D	A	D	D	-	D	LD	-	-	-
<i>Lotus corniculatus</i>	Common bird's- foot-trefoil	Native	-	LF	-	R	-	O	O	R	-	-	-	-	-	-	-
<i>Luzula campestris</i>	Field wood-rush	Native	-	-	-	LF	-	R	F	-	-	-	-	-	-	-	-
<i>Lycopus europaeus</i>	Gypsywort	Native	-	-	-	-	-	-	-	-	-	-	R	-	-	-	-
<i>Lythrum salicaria</i>	Purple-loosestrife	Native	-	-	-	-	LF	-	-	-	-	-	-	-	-	-	R
<i>Malus pumila</i>	Apple	Neophyte	-	R	-	R	-	-	-	R	-	-	-	-	-	-	-
<i>Malva sylvestris</i>	Common mallow	Archaeophyte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Medicago lupulina</i>	Black medick	Native	-	-	-	R	-	-	-	-	R	-	-	-	-	-	-
<i>Medicago sativa</i> subsp. <i>sativa</i>	Lucerne	Neophyte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Mentha aquatica</i>	Water mint	Native	-	-	-	-	LA	-	-	-	-	-	-	-	-	-	R
<i>Myosotis sylvatica</i>	Wood forget-me- not	Neophyte - Naturalised	-	R	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Narcissus</i> agg.	A daffodil	Neophyte - Naturalised	-	-	-	-	-	R	-	-	-	-	R	R	-	-	-
<i>Nuphar lutea</i>	Yellow water-lily	Native	-	-	-	-	-	-	-	-	-	-	R	-	-	-	-
<i>Oenanthe crocata</i>	Hemlock water- dropwort	Native	-	R	-	R	R	-	-	R	-	-	R	R	-	-	-
<i>Pentaglottis</i> <i>sempervirens</i>	Green alkanet	Neophyte	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Persicaria amphibia</i>	Amphibious bistort	Native	-	-	R	R	-	-	-	-	-	-	-	-	-	-	-
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	-	-	-	LD	LA	-	-	-	R	-	-	-	-	-
<i>Phragmites australis</i>	Common reed	Native	-	-	LF	LD	LD	-	-	-	LF	D	-	-	-	LA	-
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Native	-	-	-	-	-	-	R	-	-	-	-	-	-	-	-

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<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	O	A	F	F	F	F	F	F	F-LA	-	F	-	-	-
<i>Plantago major</i>	Greater plantain	Native	-	R	R	R	LF	R	-	R	R	-	R	R	-	-	-
<i>Poa annua</i>	Annual meadow-grass	Native	-	R	R	-	LF	-	R	R	R	-	R	O	-	-	-
<i>Poa nemoralis</i>	Wood meadow-grass	Native	AWI	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Poa pratensis</i>	Smooth meadow-grass	Native	-	O	-	R	R	LF	-	LF	-	-	R	-	-	-	-
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	-	-	LA	LA	-	-	-	-	-	-	LA	-	-	-
<i>Populus alba</i>	White poplar	Neophyte	-	-	-	-	-	-	-	-	-	-	R	LD	-	-	-
<i>Populus tremula</i>	Aspen	Native	AWI	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Populus trichocarpa</i>	Western balsam-poplar	Neophyte - Naturalised	-	R	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potentilla anserina</i>	Silverweed	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	R	-	-	-	-	-	-	-	-	-	LF	-	-	-
<i>Poterium sanguisorba</i> subsp. <i>sanguisorba</i>	Salad burnet	Native	-	-	-	LA	-	-	LA	R	-	-	-	-	-	-	-
<i>Primula vulgaris</i>	Primrose	Native	AWI	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Prunella vulgaris</i>	Selfheal	Native	-	-	R	-	-	R	-	-	-	-	-	R	-	-	-
<i>Prunus avium</i>	Wild cherry	Native	AWI	R	-	-	R	R	-	-	-	-	-	R	-	-	-
<i>Prunus domestica</i>	Wild plum	Archaeophyte	-	R	-	-	-	-	-	LD	-	-	-	-	-	-	-
<i>Prunus laurocerasus</i>	Cherry laurel	Neophyte - Planted	INNS	R	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Prunus lusitanica</i>	Portugal laurel	Neophyte - Planted	INNS	-	-	-	-	-	-	-	-	-	LD	-	-	-	-
<i>Prunus padus</i>	Bird cherry	Neophyte - Planted	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Prunus spinosa</i>	Blackthorn	Native	-	-	-	-	-	-	-	-	-	-	LD	-	-	-	-
<i>Pseudosasa japonica</i>	Arrow bamboo	Neophyte - Naturalised	INNS	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Quercus cerris</i>	Turkey oak	Neophyte	-	-	-	-	-	-	-	-	-	-	-	R	-	-	R

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<i>Quercus ilex</i>	Evergreen oak	Neophyte - Naturalised	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Quercus robur</i>	Pedunculate oak	Native	-	R	-	-	-	-	-	-	-	-	-	O	-	-
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	F	A	F	-	A	-	A	F	-	F	R	-	-
<i>Ranunculus bulbosus</i>	Bulbous buttercup	Native	-	F	F	-	F	F	F	F	-	-	O	R	-	-
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	O	-	F	F	O	-	R	F- LA	-	-	R	-	-
<i>Rhamnus cathartica</i>	Buckthorn	Native	-	-	-	-	-	-	-	-	-	-	R	-	-	R
<i>Ribes nigrum</i>	Black currant	Neophyte	AWI	-	-	-	-	-	-	-	-	-	-	-	R	-
<i>Robinia pseudoacacia</i>	False-acacia	Neophyte - Naturalised	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Rosa arvensis</i>	Field-rose	Native	AWI	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Rosa canina</i>	Dog-rose	Native	-	-	-	-	-	-	-	-	-	R	-	-	-	-
<i>Rosa canina</i> agg.	A dog rose	Native	-	R	-	-	R	-	-	-	-	-	-	R	-	-
<i>Rosa</i> cv.	A rose cultivar	Neophyte - Planted	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Rosa rubiginosa</i>	Sweet-briar	Native	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Rosa spinosissima</i>	Burnet rose	Neophyte - Naturalised	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Rubus armeniacus</i>	Himalayan giant bramble	Neophyte - Naturalised	INNS	LD	-	-	-	-	-	-	-	LD	-	-	-	-
<i>Rubus caesius</i>	Dewberry	Native	-	-	-	LD	LA	-	R	LA	LA	-	LD	LD	F	-
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	LA	R	-	-	LD	LD	LD	-	-	-	O	-	-
<i>Rubus idaeus</i>	Raspberry	Neophyte - Naturalised	-	-	-	-	-	-	R	-	-	-	-	-	-	-
<i>Rubus ulmifolius</i>	Elm-leaved bramble	Native	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Rumex acetosa</i>	Common sorrel	Native	-	O	R	-	R	O	F	R	-	-	F	-	-	-
<i>Rumex crispus</i>	Curled dock	Native	-	O	R	LF	O	R	-	-	O	-	-	-	-	-
<i>Rumex hydrolapathum</i>	Water dock	Native	-	-	-	-	-	-	-	R	-	-	-	-	-	-
<i>Rumex obtusifolius</i>	Broadleaved dock	Native	-	R	R	-	R	R	-	-	-	-	R	R	-	-

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<i>Rumex sanguineus</i>	Wood dock	Native	-	R	-	R	-	-	-	R	-	-	-	O	-	-
<i>Rumex x pratensis</i>	-	Native	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Salix caprea</i>	Goat willow	Native	-	-	-	-	R	-	-	-	-	-	-	R	-	-
<i>Salix cinerea</i>	Grey willow	Native	-	R	-	-	R	-	-	-	-	-	-	-	O	-
<i>Salix purpurea</i>	Purple willow	Native	VC17 Scarce	-	-	-	R	-	-	R	-	R	-	-	A	-
<i>Salix triandra</i>	Almond willow	Archaeophyte	-	-	-	-	-	-	-	-	R	-	-	-	R	-
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R	-	LD	R	-	R	LD	-	-	-	-	D	-
<i>Salix x sepulcralis</i>	Weeping willow	Neophyte	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sambucus nigra</i>	Elder	Native	-	R	-	-	R	-	R	-	-	-	-	O	R	-
<i>Saxifraga granulata</i>	Meadow saxifrage	Native	VC17 Scarce	-	-	LA	-	-	LA	-	-	-	-	-	-	-
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	O	O	R	O	-	-	R	R	-	F	-	-	-
<i>Schedonorus pratensis</i>	Meadow fescue	Native	-	-	LA	-	LA	R	-	-	-	-	-	-	-	-
<i>Scorzoneroides autumnalis</i>	Autumn hawkbit	Native	-	-	R	R	R	-	-	-	-	-	-	-	-	-
<i>Scrophularia auriculata</i>	Water figwort	Native	-	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R	-	R	-	-	R	-	-	-	-	R	-	-
<i>Senecio vulgaris</i>	Groundsel	Native	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Silene dioica</i>	Red campion	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Silene flos-cuculi</i>	Ragged-robin	Native	Eng NT	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Sison amomum</i>	Stone parsley	Native	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sisymbrium officinale</i>	Hedge mustard	Archaeophyte	-	-	R	-	-	-	-	-	-	-	-	-	-	-
<i>Solanum dulcamara</i>	Bittersweet	Native	-	-	R	-	-	-	-	-	-	-	-	-	O	-
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sorbus aria</i>	Common whitebeam	Neophyte - Planted	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sorbus aucuparia</i>	Rowan	Neophyte - Planted	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Stachys palustris</i>	Marsh woundwort	Native	-	-	-	-	-	-	-	R	-	-	-	-	-	-

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<i>Stachys sylvatica</i>	Hedge woundwort	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Stellaria media</i>	Common chickweed	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	R
<i>Symphoricarpos albus</i>	Snowberry	Neophyte - Planted	INNS	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Symphytum officinale</i>	Common comfrey	Native	-	R	-	R	-	LF	-	-	-	-	-	-	-	-
<i>Symphytum x uplandicum</i>	Russian comfrey	Neophyte	-	-	-	-	LF	-	-	R	-	LF	R	-	-	-
<i>Syringa vulgaris</i>	Lilac	Neophyte	-	R	-	-	-	-	-	-	-	-	-	-	-	-
<i>Taraxacum</i> agg.	Dandelion	Native	-	F	A	A	A	F	F	F	A	F	F	R	-	-
<i>Thalictrum flavum</i>	Common meadow-rue	Native	VC17 Scarce	-	-	-	R	-	-	-	-	-	-	-	-	-
<i>Tragopogon pratensis</i>	Goat's-beard	Native	-	-	-	R	-	-	-	-	R	-	-	-	-	R
<i>Trifolium campestre</i>	Hop trefoil	Native	-	-	LA	R	-	-	-	-	-	-	-	-	-	-
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	-	R	-	-	-	-	-	-	-	-	R	-	-
<i>Trifolium pratense</i>	Red clover	Native	-	F	F	F	F	F	F	F	F	-	R	-	-	-
<i>Trifolium repens</i>	White clover	Native	-	F	A	-	A	F	-	A	A	-	F	LA	-	-
<i>Triticum aestivum</i>	Bread wheat	Neophyte	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Urtica dioica</i>	Common nettle	Native	-	LD	LD	LA	LD	LD	LD	LD	LA	F	LD	LD	O	-
<i>Valeriana officinalis</i>	Common valerian	Native	Eng NT	-	-	-	-	-	-	-	-	R	-	-	-	-
<i>Veronica arvensis</i>	Wall speedwell	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Veronica chamaedrys</i>	Germander speedwell	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Veronica filiformis</i>	Slender speedwell	Neophyte	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Veronica hederifolia</i>	Ivy-leaved speedwell	Archaeophyte	-	R	-	-	-	-	-	-	-	-	-	R	-	-
<i>Veronica serpyllifolia</i>	Thyme-leaved speedwell	Native	-	-	-	-	-	-	-	-	-	-	-	R	-	-
<i>Viburnum lantana</i>	Wayfaring-tree	Native	-	-	-	-	-	-	-	-	-	-	-	-	-	R
<i>Viburnum opulus</i>	Guelder-rose	Native	AWI	-	-	-	R	-	-	-	-	-	R	-	A	R

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<i>Viburnum rhytidophyllum</i>	Wrinkled viburnum	Neophyte - Planted	-	-	-	-	-	-	-	-	-	-	-	R	-	-	-
<i>Vicia cracca</i>	Tufted vetch	Native	-	O	R	LF	R	F	-	F	O	-	R	-	-	-	
<i>Vicia hirsuta</i>	Hairy tare	Native	-	-	R	LA	-	-	R	-	-	-	-	-	-	-	
<i>Vicia sativa</i>	Common vetch	Native	-	R	O	-	R	O	O	-	-	-	-	-	-	-	
<i>Wisteria sinensis</i>	Chinese wisteria	Neophyte - Naturalised	-	-	-	-	-	-	R	-	-	-	-	-	-	-	

Table B32: Summary of Plant Taxa Recorded from Dumsey Meadow

Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
Ferns and allies				
<i>Equisetum arvense</i>	Field horsetail	Native	-	LA
<i>Equisetum palustre</i>	Marsh horsetail	Native	-	R
Flowering plants				
<i>Acer campestre</i>	Field maple	Native	AWI	R
<i>Achillea millefolium</i>	Yarrow	Native	-	O
<i>Acorus calamus</i>	Sweet-flag	Neophyte	-	R
<i>Agrostis capillaris</i>	Common bent	Native	-	R
<i>Agrostis stolonifera</i>	Creeping bent	Native	-	LF
<i>Allium vineale</i>	Wild onion	Native	-	R
<i>Alnus glutinosa</i>	Alder	Native	-	R
<i>Alopecurus geniculatus</i>	Marsh foxtail	Native	-	R
<i>Alopecurus pratensis</i>	Meadow foxtail	Native	-	LF
<i>Angelica sylvestris</i>	Wild angelica	Native	-	R
<i>Anisantha sterilis</i>	Barren brome	Archaeophyte	-	R
<i>Anthriscus sylvestris</i>	Cow parsley	Native	-	R
<i>Arctium minus sens. lat.</i>	A burdock	Native	-	R
<i>Arrhenatherum elatius</i>	False oat-grass	Native	-	A

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<i>Artemisia vulgaris</i>	Mugwort	Archaeophyte	-	R
<i>Aster</i> agg.	A Michaelmas-daisy	Neophyte	INNS	R
<i>Avenula pubescens</i>	Downy oat-grass	Native	-	LF
<i>Barbarea vulgaris</i>	Winter-cress	Native	-	R
<i>Bellis perennis</i>	Daisy	Native	-	LF
<i>Brassica rapa</i> subsp. <i>campestris</i>	Wild turnip	-	-	R
<i>Bromopsis erecta</i>	Upright brome	Native	-	R
<i>Bromus hordeaceus</i>	Soft-brome	Native	-	O
<i>Bromus racemosus</i>	Smooth brome	Native	-	O
<i>Callitriche stagnalis</i>	Common water-starwort	Native	-	R
<i>Calystegia sepium</i>	Hedge bindweed	Native	-	R
<i>Calystegia silvatica</i>	Large bindweed	Neophyte	-	R
<i>Capsella bursa-pastoris</i>	Shepherd's-purse	Archaeophyte	-	R
<i>Carex acuta</i>	Slender tufted-sedge	Native	-	LA
<i>Carex disticha</i>	Brown sedge	Native	-	R
<i>Carex flacca</i>	Glaucous sedge	Native	-	R
<i>Carex hirta</i>	Hairy sedge	Native	-	R
<i>Carex otrubae</i>	False fox-sedge	Native	-	R
<i>Carex pendula</i>	Pendulous sedge	Native	AWI	R
<i>Carex riparia</i>	Greater pond-sedge	Native	-	LD
<i>Carex spicata</i>	Spiked sedge	Native	-	R
<i>Centaurea nigra</i>	Common knapweed	Native	-	LF
<i>Cerastium fontanum</i>	Common mouse-ear	Native	-	R
<i>Chaerophyllum temulum</i>	Rough chervil	Native	-	R
<i>Cirsium arvense</i>	Creeping thistle	Native	-	R
<i>Cirsium vulgare</i>	Spear thistle	Native	-	R
<i>Conium maculatum</i>	Hemlock	Archaeophyte	-	R
<i>Convolvulus arvensis</i>	Field bindweed	Native	-	R
<i>Crataegus monogyna</i>	Hawthorn	Native	-	O
<i>Crepis biennis</i>	Rough hawk's-beard	Native	-	LF

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<i>Crepis vesicaria</i>	Beaked hawk's-beard	Neophyte	-	O
<i>Cynosurus cristatus</i>	Crested dog's-tail	Native	-	F
<i>Dactylis glomerata</i>	Cock's-foot	Native	-	F
<i>Daucus carota</i> subsp. <i>carota</i>	Wild carrot	Native	-	R
<i>Deschampsia cespitosa</i>	Tufted hair-grass	Native	-	R
<i>Eleocharis palustris</i>	Common spike-rush	Native	-	R
<i>Epilobium hirsutum</i>	Great willowherb	Native	-	R
<i>Epilobium parviflorum</i>	Hoary willowherb	Native	-	R
<i>Eupatorium cannabinum</i>	Hemp-agrimony	Native	-	R
<i>Festuca rubra</i>	Red fescue	Native	-	A
<i>Filipendula ulmaria</i>	Meadowsweet	Native	-	R
<i>Foeniculum vulgare</i> 'Purpureum'	Fennel	Neophyte	-	R
<i>Fraxinus excelsior</i>	Ash	Native	-	R
<i>Galium aparine</i>	Cleavers	Native	-	R
<i>Galium palustre</i>	Marsh-bedstraw	Native	-	R
<i>Galium verum</i>	Lady's bedstraw	Native	-	LA
<i>Geranium dissectum</i>	Cut-leaved crane's-bill	Archaeophyte	-	O
<i>Geranium molle</i>	Dove's-foot crane's-bill	Native	-	R
<i>Glechoma hederacea</i>	Ground-ivy	Native	-	R
<i>Glyceria fluitans</i>	Floating sweet-grass	Native	-	LA
<i>Glyceria maxima</i>	Reed sweet-grass	Native	-	R
<i>Heracleum sphondylium</i>	Hogweed	Native	-	R
<i>Hirschfeldia incana</i>	Hoary mustard	Neophyte	-	R
<i>Holcus lanatus</i>	Yorkshire-fog	Native	-	F
<i>Hordeum murinum</i>	Wall barley	Archaeophyte	-	R
<i>Hordeum secalinum</i>	Meadow barley	Native	-	F
<i>Humulus lupulus</i>	Hop	Native	-	R
<i>Hypericum perforatum</i>	Perforate St John's-wort	Native	-	R
<i>Hypericum tetrapterum</i>	Square-stalked St John's-wort	Native	-	R
<i>Hypochaeris radicata</i>	Cat's-ear	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Impatiens glandulifera</i>	Himalayan balsam	Neophyte	Schedule 9	R
<i>Iris pseudacorus</i>	Yellow iris	Native	-	LD
<i>Juglans regia</i>	Walnut	Neophyte - Naturalised	-	R
<i>Juncus inflexus</i>	Hard rush	Native	-	R
<i>Juncus tenuis</i>	Slender rush	Neophyte	-	R
<i>Lamium album</i>	White dead-nettle	Archaeophyte	-	R
<i>Lathyrus pratensis</i>	Meadow vetchling	Native	-	O
<i>Leontodon hispidus</i>	Rough hawkbit	Native	-	R
<i>Lepidium coronopus</i>	Swine-cress	Archaeophyte	-	R
<i>Leucanthemum vulgare</i>	Oxeye daisy	Native	-	R
<i>Lolium perenne</i>	Perennial rye-grass	Native	-	A
<i>Lotus corniculatus</i>	Common bird's-foot-trefoil	Native	-	F-LA
<i>Lycopus europaeus</i>	Gypsywort	Native	-	R
<i>Lysimachia nummularia</i>	Creeping-jenny	Native	-	R
<i>Lythrum salicaria</i>	Purple-loosestrife	Native	-	R
<i>Malva sylvestris</i>	Common mallow	Archaeophyte	-	R
<i>Matricaria discoidea</i>	Pineappleweed	Neophyte	-	R
<i>Medicago arabica</i>	Spotted medick	Native	-	LA
<i>Medicago lupulina</i>	Black medick	Native	-	R
<i>Mentha aquatica</i>	Water mint	Native	-	R
<i>Nasturtium officinale</i> agg.	Watercress	Native	-	R
<i>Oenanthe crocata</i>	Hemlock water-dropwort	Native	-	R
<i>Pentaglottis sempervirens</i>	Green alkanet	Neophyte	-	R
<i>Persicaria amphibia</i>	Amphibious bistort	Native	-	O
<i>Phalaris arundinacea</i>	Reed canary-grass	Native	-	R
<i>Phragmites australis</i>	Common reed	Native	-	R
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Native	-	R
<i>Plantago coronopus</i>	Buck's-horn plantain	Native	-	R
<i>Plantago lanceolata</i>	Ribwort plantain	Native	-	LF
<i>Plantago major</i>	Greater plantain	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Platanus x hispanica</i>	London plane	Neophyte	-	R
<i>Poa annua</i>	Annual meadow-grass	Native	-	R
<i>Poa pratensis</i>	Smooth meadow-grass	Native	-	R
<i>Poa trivialis</i>	Rough meadow-grass	Native	-	LA
<i>Polygonum aviculare</i> agg.	A knotgrass	Native	-	R
<i>Populus x canadensis</i>	Hybrid black-poplar	Neophyte - Planted	-	R
<i>Potentilla anserina</i>	Silverweed	Native	-	LF
<i>Potentilla reptans</i>	Creeping cinquefoil	Native	-	O
<i>Poterium sanguisorba</i> subsp. <i>sanguisorba</i>	Salad burnet	Native	-	LA
<i>Primula veris</i>	Cowslip	Native	-	R
<i>Prunella vulgaris</i>	Selfheal	Native	-	R
<i>Prunus domestica</i>	Wild plum	Archaeophyte	-	R
<i>Prunus spinosa</i>	Blackthorn	Native	-	LD
<i>Ranunculus acris</i>	Meadow buttercup	Native	-	F
<i>Ranunculus bulbosus</i>	Bulbous buttercup	Native	-	LF
<i>Ranunculus repens</i>	Creeping buttercup	Native	-	F
<i>Ranunculus sceleratus</i>	Celery-leaved buttercup	Native	-	R
<i>Ranunculus trichophyllus</i>	Thread-leaved water-crowfoot	Native	-	R
<i>Rosa canina</i> group <i>Lutetianae</i>	A dog rose	Native	-	R
<i>Rosa canina</i> group <i>Transitoriae</i>	A dog rose	Native	-	R
<i>Rubus armeniacus</i>	Himalayan giant bramble	Neophyte	INNS	LD
<i>Rubus caesius</i>	Dewberry	Native	-	R
<i>Rubus fruticosus</i> agg.	Bramble	Native	-	R
<i>Rumex acetosa</i>	Common sorrel	Native	-	LF
<i>Rumex conglomeratus</i>	Clustered dock	Native	-	R
<i>Rumex crispus</i>	Curled dock	Native	-	R
<i>Rumex hydrolapathum</i>	Water dock	Native	-	R
<i>Rumex obtusifolius</i>	Broad-leaved dock	Native	-	R
<i>Rumex pulcher</i>	Fiddle dock	Native	-	R
<i>Rumex sanguineus</i>	Wood dock	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Salix alba</i>	White willow	Archaeophyte	-	R
<i>Salix cinerea</i> subsp. <i>oleifolia</i>	Rusty willow	Native	-	R
<i>Salix triandra</i>	Almond willow	Archaeophyte	-	R
<i>Salix x fragilis sens. lat.</i>	Crack willow	-	-	R
<i>Sambucus nigra</i>	Elder	Native	-	R
<i>Schedonorus arundinaceus</i>	Tall fescue	Native	-	F
<i>Schedonorus pratensis</i>	Meadow fescue	Native	-	R
<i>Schoenoplectus lacustris</i>	Common club-rush	Native	-	R
<i>Scrophularia auriculata</i>	Water figwort	Native	-	R
<i>Senecio erucifolius</i>	Hoary ragwort	Native	-	R
<i>Senecio jacobaea</i>	Common ragwort	Native	-	R
<i>Sisymbrium officinale</i>	Hedge mustard	Archaeophyte	-	R
<i>Solanum dulcamara</i>	Bittersweet	Native	-	R
<i>Sonchus asper</i>	Prickly sow-thistle	Native	-	R
<i>Sonchus oleraceus</i>	Smooth sow-thistle	Native	-	R
<i>Sparganium emersum</i>	Unbranched bur-reed	Native	-	R
<i>Stachys palustris</i>	Marsh woundwort	Native	-	R
<i>Symphytum x uplandicum</i>	Russian comfrey	Neophyte	-	R
<i>Taraxacum</i> agg.	Dandelion	Native	-	O
<i>Thalictrum flavum</i>	Common meadow-rue	Native	-	R
<i>Torilis nodosa</i>	Knotted hedge-parsley	Native	-	R
<i>Tragopogon pratensis</i> subsp. <i>minor</i>	Goat's-beard	Native	-	R
<i>Trifolium dubium</i>	Lesser trefoil	Native	-	O
<i>Trifolium fragiferum</i>	Strawberry clover	Native	Eng VU	R
<i>Trifolium pratense</i>	Red clover	Native	-	F
<i>Trifolium repens</i>	White clover	Native	-	F
<i>Trisetum flavescens</i>	Yellow oat-grass	Native	-	F
<i>Urtica dioica</i>	Common nettle	Native	-	R
<i>Veronica anagallis-aquatica</i>	Blue water-speedwell	Native	-	R
<i>Veronica arvensis</i>	Wall speedwell	Native	-	R

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Scientific Name	Common Name	Status	Legal/Conservation Status	DAFOR
<i>Veronica beccabunga</i>	Brooklime	Native	-	R
<i>Veronica catenata</i>	Pink water-speedwell	Native	-	R
<i>Vicia sativa</i> subsp. <i>segetalis</i>	Common vetch	Archaeophyte	-	R



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Annex C – Target Notes

Table C1: Target Notes From Durley Hedge 1

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.9, 7.1.10	Species-rich hedgerow with trees	Hedgerow of dense holly with mature oak trees, approximately 1.5m wide, with shallow ditch and narrow verge. Ground flora richer at western end. Approximate 3m gap at SU5210716002 (Photograph 7.1.10), and a gap filled with beech and cherry laurel between SU5203316013 and SU5201516018.	W10	54					See site list

Table C2: Target Notes From Durley Hedge 2

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	NA	Broadleaved semi-natural woodland	Durley Mill Copse SINC. Small stands of Japanese knotweed on bank below residential area to north.	W7, W10	30	<i>Betula pendula</i> O, <i>Betula pubescens</i> LD, <i>Quercus robur</i> D	<i>Buddleja davidii</i> R, <i>Corylus avellana</i> F, <i>Ilex aquifolium</i> F, <i>Prunus laurocerasus</i> F, <i>Ribes rubrum</i> R, <i>Rosa arvensis</i> R, <i>Rubus fruticosus</i> agg. F	<i>Carex laevigata</i> LF, <i>Juncus effusus</i> LA, <i>Luzula pilosa</i> R, <i>Melica uniflora</i> LF, <i>Schedonorus gigantea</i> O, <i>Scirpus sylvatica</i> R	<i>Ajuga reptans</i> LF, <i>Asplenium scolopendrium</i> R, <i>Athyrium filix-femina</i> R, <i>Carex remota</i> LA, <i>Dryopteris carthusiana</i> R, <i>Dryopteris filix-mas</i> F, <i>Fallopia japonica</i> R, <i>Geranium robertianum</i> O, <i>Iris pseudacorus</i> O, <i>Lamium galeobdolon</i> LA, <i>Lysimachia nemorum</i> LA, <i>Polygonatum multiflorum</i> LF, <i>Polystichum setiferum</i> R, <i>Sanicula europaea</i> R	NA
2	7.1.11	Species-rich hedgerow with trees	Broad hedgerow with trees, with trees on internal bank. Mostly trees with mantle of dense bramble and grey willow. Short section hawthorn-dominated hedge at SU5207716077 where existing pipeline crosses boundary (Photograph 7.1.11).	W10	35	<i>Betula pendula</i> LF, <i>Fagus sylvatica</i> R, <i>Quercus robur</i> D, <i>Salix cinerea</i> A	<i>Corylus avellana</i> F, <i>Crataegus monogyna</i> O, <i>Cytisus scoparius</i> R, <i>Fraxinus excelsior</i> R, <i>Hedera helix</i> A, <i>Ilex aquifolium</i> A, <i>Lonicera periclymenum</i> O, <i>Prunus avium</i> R, <i>Prunus laurocerasus</i> R, <i>Rosa arvensis</i> R, <i>Rubus fruticosus</i> agg. A, <i>Salix caprea</i> R, <i>Sambucus nigra</i> R	<i>Holcus lanatus</i> R, <i>Luzula pilosa</i> R	<i>Angelica sylvestris</i> R, <i>Arum maculatum</i> R, <i>Blechnum spicant</i> R, <i>Calystegia sepium</i> R, <i>Circaea lutetiana</i> R, <i>Dryopteris dilatata</i> R, <i>Epilobium hirsutum</i> R, <i>Galium aparine</i> O, <i>Geranium robertianum</i> R, <i>Melampyrum pratense</i> R, <i>Polygonatum multiflorum</i> R, <i>Pteridium aquilinum</i> O, <i>Rumex sanguineus</i> R, <i>Solanum dulcamara</i> R, <i>Tamus communis</i> R, <i>Urtica dioica</i> A	NA
3	7.1.12	Species-poor hedgerow with trees	Northeastern end of tree-line, species-poor, dominated by horse chestnut.	NA	13	<i>Aesculus hippocastanum</i> D	<i>Corylus avellana</i> R, <i>Fraxinus excelsior</i> R, <i>Hedera helix</i> F, <i>Ilex aquifolium</i> A, <i>Rubus fruticosus</i> agg. A, <i>Rubus ulmifolius</i> R, <i>Sambucus nigra</i> O	NA	<i>Geum urbanum</i> R, <i>Hypericum perforatum</i> R, <i>Ruscus aculeatus</i> LA, <i>Solanum dulcamara</i> R, <i>Urtica dioica</i> F	NA
4	7.1.13, 7.1.14, 7.1.15	Marshy grassland	Low-lying area supporting overgrown wetland vegetation. Stream through area canalised.	MG10, MG13, OV24, S22	34	NA	<i>Salix cinerea</i> R	<i>Agrostis stolonifera</i> A, <i>Carex hirta</i> F, <i>Dactylis glomerata</i> R, <i>Glyceria fluitans</i> O, <i>Holcus lanatus</i> A, <i>Juncus acutiflorus</i> R, <i>Juncus effusus</i> A, <i>Juncus inflexus</i> R, <i>Phleum pratense</i> R, <i>Schedonorus arundinaceus</i> O	<i>Angelica sylvestris</i> F, <i>Apium nodiflorum</i> R, <i>Calystegia sepium</i> R, <i>Circaea lutetiana</i> R, <i>Cirsium arvense</i> O, <i>Cirsium palustre</i> F, <i>Epilobium hirsutum</i> O, <i>Epilobium parviflorum</i> O, <i>Iris pseudacorus</i> R, <i>Lotus pedunculatus</i> R, <i>Mentha aquatica</i> A, <i>Oenanthe crocata</i> O, <i>Persicaria hydropiper</i> R, <i>Pulicaria dysenterica</i> R, <i>Ranunculus acris</i> R, <i>Ranunculus repens</i> A, <i>Rumex conglomeratus</i> O, <i>Rumex crispus</i> R, <i>Scorzoneroideis autumnalis</i> R, <i>Solanum dulcamara</i> R, <i>Stellaria alsine</i> R, <i>Urtica dioica</i> A, <i>Veronica serpyllifolia</i> R	NA
5	NA	Poor semi-improved grassland	Species-poor horse grazing on higher ground	MG7	26	NA	NA	<i>Agrostis capillaris</i> A, <i>Agrostis stolonifera</i> LA, <i>Carex hirta</i> F, <i>Cynosurus cristatus</i> O, <i>Dactylis glomerata</i> R, <i>Elytrigia repens</i> R, <i>Juncus acutiflorus</i> R, <i>Lolium perenne</i> A, <i>Phleum pratense</i> F, <i>Schedonorus arundinaceus</i> R	<i>Achillea millefolium</i> R, <i>Bellis perennis</i> R, <i>Cerastium fontanum</i> O, <i>Crepis capillaris</i> R, <i>Glechoma hederacea</i> R, <i>Hypochaeris radicata</i> LF, <i>Plantago lanceolata</i> R, <i>Plantago major</i> R, <i>Pulicaria dysenterica</i> R, <i>Ranunculus acris</i> F, <i>Ranunculus repens</i> LF, <i>Rumex conglomeratus</i> R, <i>Rumex obtusifolius</i> R,	NA

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
									<i>Scorzoneroidea autumnalis</i> O, <i>Taraxacum</i> agg. F, <i>Trifolium repens</i> A	

Table C3: Target Notes From Durley Green Lane

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.16	Broadleaved semi-natural woodland	Woodland formed of low-growing grey willow over watercourse. Areas of seepage at northern end of stand, with very wet ferruginous ground dominated by mats of bryophytes and creeping buttercup.	W7	44	<i>Salix cinerea</i> D, <i>Salix x fragilis</i> R	<i>Corylus avellana</i> F, <i>Crataegus monogyna</i> F, <i>Hedera helix</i> R, <i>Prunus spinosa</i> R, <i>Rosa arvensis</i> R, <i>Rosa canina</i> R, <i>Rubus fruticosus</i> O, <i>Sambucus nigra</i> O, <i>Solanum dulcamara</i> F	<i>Carex remota</i> F, <i>Glyceria fluitans</i> F, <i>Holcus lanatus</i> O, <i>Juncus effusus</i> F, <i>Poa trivialis</i> F	<i>Arum maculatum</i> R, <i>Athyrium filix-femina</i> R, <i>Caltha palustris</i> R, <i>Circaea lutetiana</i> A, <i>Dryopteris dilatata</i> O, <i>Epilobium parviflorum</i> R, <i>Galium palustre</i> R, <i>Geranium robertianum</i> R, <i>Geum urbanum</i> F, <i>Glechoma hederacea</i> F, <i>Hyacinthoides non-scripta</i> R, <i>Lysimachia nemorum</i> F, <i>Mentha aquatica</i> F, <i>Mercurialis perennis</i> R, <i>Moehringia trinervia</i> R, <i>Nasturtium officinale</i> R, <i>Oenanthe crocata</i> F, <i>Polystichum setiferum</i> R, <i>Ranunculus flammula</i> R, <i>Ranunculus repens</i> A, <i>Ribes nigrum</i> R, <i>Rumex sanguineus</i> O, <i>Silene flos-cuculi</i> R, <i>Tamus communis</i> R, <i>Urtica dioica</i> A, <i>Veronica beccabunga</i> R	<i>Brachythecium rutabulum</i> F, <i>Pellia epiphylla</i> A
2	7.1.17, 7.1.18	Marshy grassland	Species-rich marshy grassland dominated by sharp-flowered rush. Situated between watercourse and low terrace to southeast. For species composition refer to quadrats DL1 to DL5.	M23a	40	NA	NA	NA	NA	NA
3	NA	Marshy grassland	Species-poor marshy grassland dominated by soft rush	M23b	NA	NA	NA	NA	NA	NA

Table C4: Target Notes From Wintershill

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	W1	Marshy grassland, poor semi-improved grassland	Species-poor grassland used for silage or winter grazing.	MG7, MG10	43	NA	NA	<i>Alopecurus pratensis</i> A, <i>Anisantha sterilis</i> R, <i>Anthoxanthum odoratum</i> R, <i>Arrhenatherum elatius</i> D, <i>Carex hirta</i> O, <i>Carex otrubae</i> R, <i>Cynosurus cristatus</i> R, <i>Dactylis glomerata</i> O, <i>Deschampsia cespitosa</i> F, <i>Festuca rubra</i> F, <i>Holcus lanatus</i> D, <i>Juncus conglomeratus</i> R, <i>Juncus effusus</i> R, <i>Juncus inflexus</i> LD, <i>Poa trivialis</i> A, <i>Schedonorus arundinaceus</i> LD	<i>Anthriscus sylvestris</i> R, <i>Cardamine pratensis</i> R, <i>Cerastium fontanum</i> O, <i>Cirsium arvense</i> O, <i>Cirsium palustre</i> R, <i>Cirsium vulgare</i> R, <i>Convolvulus arvensis</i> R, <i>Epilobium parviflorum</i> R, <i>Filipendula ulmaria</i> LF, <i>Galium aparine</i> F, <i>Galium palustre</i> R, <i>Geranium dissectum</i> O, <i>Heracleum sphondylium</i> R, <i>Leucanthemum vulgare</i> R, <i>Pulicaria dysenterica</i> F, <i>Ranunculus acris</i> R, <i>Ranunculus repens</i> F, <i>Rumex acetosa</i> LF, <i>Rumex conglomeratus</i> O, <i>Rumex crispus</i> F, <i>Stellaria graminea</i> R, <i>Taraxacum</i> agg. O, <i>Trifolium pratense</i> R, <i>Trifolium repens</i> F, <i>Vicia sativa</i> R, <i>Vicia sepium</i> R, <i>Vicia tetrasperma</i> R	NA

Table 7 5: Target Notes From Stephen's Castle Down

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.20	Unimproved neutral grassland	Rough grassland along field margin. Species-rich with several calcareous grassland indicators.	MG1	NA	NA	NA	NA	NA	NA
2	7.1.20	Species-rich hedgerow with trees	Broad, species-rich hedgerow with trees. Typical assemblage of woody species on calcareous soils.	W21	19	<i>Fraxinus excelsior</i> F	<i>Corylus avellana</i> F, <i>Crataegus monogyna</i> F, <i>Cornus sanguinea</i> F, <i>Ligustrum vulgare</i> F, <i>Prunus spinosa</i> R, <i>Quercus robur</i> O, <i>Rhamnus cathartica</i> F, <i>Rosa micrantha</i> R, <i>Rubus ulmifolius</i> F, <i>Sorbus aria</i> R, <i>Viburnum lantana</i> O	<i>Brachypodium sylvaticum</i> A	<i>Agrimonia eupatoria</i> F, <i>Centaurea nigra</i> A, <i>Clinopodium vulgare</i> F, <i>Cruciata laevipes</i> A, <i>Galium verum</i> A, <i>Origanum vulgare</i> A	NA

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
3	NA	Species-rich hedgerow	Open scrubby hedgerow with abundant traveller's-joy.	W21	9	NA	<i>Clematis vitalba</i> A, <i>Corylus avellana</i> F, <i>Crataegus monogyna</i> A, <i>Fraxinus excelsior</i> O, <i>Rhamnus cathartica</i> O	NA	<i>Calystegia sepium</i> F, <i>Heracleum sphondylium</i> F, <i>Galium aparine</i> F, <i>Urtica dioica</i> D	NA
4	7.1.21	Unimproved calcareous grassland	Mown chalk grassland. Uncut marginal areas species-rich.	CG3	23	NA	NA	<i>Briza media</i> F, <i>Bromopsis erecta</i> A, <i>Carex flacca</i> A, <i>Festuca rubra</i> A, <i>Holcus lanatus</i> F, <i>Koeleria macrantha</i> F, <i>Poa pratensis</i> F	<i>Centaurea nigra</i> F, <i>Centaurea scabiosa</i> F, <i>Cirsium acaule</i> F, <i>Clinopodium vulgare</i> F, <i>Daucus carota</i> A, <i>Leontodon hispidus</i> A, <i>Linum catharticum</i> F, <i>Lotus corniculatus</i> A, <i>Pastinaca sativa</i> F, <i>Pimpinella saxifraga</i> F, <i>Plantago lanceolata</i> A, <i>Poterium sanguisorba</i> F, <i>Scabiosa columbaria</i> F, <i>Silene vulgaris</i> F, <i>Trifolium pratense</i> F, <i>Vicia cracca</i> F	NA

Table C6: Target Notes From Oak Park Golf Club

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Grasses	Forbs	Bryophytes
1	7.1.27	Poor semi-improved grassland	Rough grassland dominated by false oat-grass	MG1b	66	NA	<i>Rubus fruticosus</i> agg. O	<i>Agrostis stolonifera</i> D, <i>Alopecurus pratensis</i> F, <i>Arrhenatherum elatius</i> F, <i>Brachypodium sylvaticum</i> O, <i>Bromus hordeaceus</i> R, <i>Dactylis glomerata</i> F, <i>Deschampsia cespitosa</i> R, <i>Elytrigia repens</i> F, <i>Festuca rubra</i> A, <i>Holcus lanatus</i> D, <i>Phleum pratense</i> A	<i>Aegopodium podagraria</i> O, <i>Agrimonia eupatoria</i> O, <i>Alliaria petiolata</i> R, <i>Angelica sylvestris</i> R, <i>Anthriscus sylvestris</i> O, <i>Barbarea vulgaris</i> R, <i>Bellis perennis</i> F, <i>Calystegia silvatica</i> O, <i>Centaurea nigra</i> R, <i>Cerastium glomeratum</i> R, <i>Cirsium arvense</i> F, <i>Cirsium palustre</i> R, <i>Cirsium vulgare</i> R, <i>Crepis capillaris</i> F, <i>Epilobium parviflorum</i> O, <i>Epilobium tetragonum</i> R, <i>Equisetum palustre</i> O, <i>Galium aparine</i> O, <i>Geranium dissectum</i> R, <i>Geranium robertianum</i> O, <i>Geum urbanum</i> R, <i>Heracleum sphondylium</i> O, <i>Hypericum perforatum</i> O, <i>Juncus inflexus</i> R, <i>Lapsana communis</i> R, <i>Lathyrus pratensis</i> R, <i>Leucanthemum vulgare</i> R, <i>Lysimachia nummularia</i> R, <i>Medicago lupulina</i> R, <i>Plantago major</i> O, <i>Poa trivialis</i> D, <i>Potentilla reptans</i> O, <i>Primula veris</i> R, <i>Prunella vulgaris</i> O, <i>Pulicaria dysenterica</i> O, <i>Ranunculus acris</i> O, <i>Ranunculus repens</i> O, <i>Rumex crispus</i> O, <i>Rumex obtusifolius</i> O, <i>Rumex sanguineus</i> F, <i>Senecio erucifolius</i> O, <i>Senecio vulgaris</i> R, <i>Sison amomum</i> R, <i>Sonchus asper</i> R, <i>Tamus communis</i> R, <i>Torilis japonica</i> O, <i>Tragopogon pratensis</i> R, <i>Trifolium dubium</i> R, <i>Trifolium repens</i> O, <i>Urtica dioica</i> F, <i>Veronica montana</i> O, <i>Vicia cracca</i> R, <i>Vicia sativa</i> O, <i>Vicia tetrasperma</i> R	NA
2	7.1.28	Broadleaved plantation woodland, broadleaved semi-natural woodland	Semi-natural and landscape woodland around golf course	NA	32	<i>Acer campestre</i> D, <i>Acer platanoides</i> O, <i>Aesculus hippocastanum</i> R, <i>Fagus sylvatica</i> O, <i>Fagus sylvatica 'Purpurea'</i> O, <i>Fraxinus angustifolia</i> R, <i>Fraxinus excelsior</i> D, <i>Populus nigra</i> R, <i>Prunus avium</i> R, <i>Quercus cerris</i> R, <i>Quercus robur</i> D, <i>Salix x fragilis sens. lat.</i> R, <i>Tilia cordata</i> O	<i>Cornus sanguinea</i> R, <i>Corylus avellana</i> F, <i>Crataegus monogyna</i> F, <i>Hedera helix</i> D, <i>Lonicera periclymenum</i> O, <i>Malus sylvestris</i> R, <i>Prunus spinosa</i> O, <i>Rosa canina</i> agg. F, <i>Salix cinerea</i> R, <i>Sambucus nigra</i> O, <i>Viburnum lantana</i> R	<i>Carex remota</i> O	<i>Circaea lutetiana</i> O, <i>Dryopteris dilatata</i> O, <i>Dryopteris filix-mas</i> O, <i>Mercurialis perennis</i> R, <i>Scrophularia nodosa</i> O, <i>Solanum dulcamara</i> O, <i>Stachys sylvatica</i> O	NA

Table C7: Target Notes From Wakefords Copse

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Grasses	Forbs	Bryophytes
1	7.1.33	Broadleaved semi-natural woodland	Wayleave of existing Esso pipeline. No canopy trees and sparse understorey. The wayleave supported a richer ground flora than most of the site, with abundant ferns and wood sorrel.	W10	NA	NA	NA	NA	NA	NA

Table C8: Target Notes From Old Ively Road

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.53	Bare ground	Bare ground with marginal scrub	NA	NA	NA	NA	NA	NA	NA
2	7.1.55	Marshy grassland	Broad ride along edge of Pyestock Hill/Pondtail Heath SINC, dominated by purple moor-grass	M25	11	NA	<i>Erica cinerea</i> LF	<i>Agrostis curtisii</i> R, <i>Anthoxanthum odoratum</i> R, <i>Carex binervis</i> R, <i>Carex leporina</i> R, <i>Carex pilulifera</i> R, <i>Juncus effusus</i> A, <i>Juncus squarrosus</i> O, <i>Luzula campestris</i> R, <i>Molinia caerulea</i> D	<i>Potentilla erecta</i> O	NA
3	7.1.54	Acid grassland	Small areas of acid grassland between cycle path and dense scrub	U5	18	NA	<i>Erica cinerea</i> R, <i>Pinus sylvestris</i> F, <i>Rubus fruticosus</i> agg. F, <i>Ulex europaeus</i> D	<i>Agrostis curtisii</i> D, <i>Anthoxanthum odoratum</i> F, <i>Brachypodium sylvaticum</i> R, <i>Carex leporina</i> R, <i>Danthonia decumbens</i> LA, <i>Holcus lanatus</i> O, <i>Luzula campestris</i> O, <i>Molinia caerulea</i> R	<i>Hieracium</i> sp. O, <i>Hypochaeris radicata</i> O, <i>Plantago lanceolata</i> O, <i>Viola riviniana</i> F	<i>Polytrichum juniperinum</i> A, <i>Pseudoscleropodium purum</i> A
4	7.1.56	Ephemeral/short perennial	Patchy grass verge in Cody Technology Park, with abundant small annuals and short perennials of sandy soils. Species-rich, with affinities to U1 <i>Festuca ovina-Rumex acetosella</i> grassland. Other verges with similarly rich flora of small annual species of dry sandy soils.	U1	28	NA	NA	<i>Aira praecox</i> F, <i>Anthoxanthum odoratum</i> F, <i>Carex hirta</i> R, <i>Festuca rubra</i> F, <i>Holcus lanatus</i> F, <i>Luzula campestris</i> F	<i>Achillea millefolium</i> R, <i>Bellis perennis</i> R, <i>Erigeron acris</i> F, <i>Filago vulgaris</i> R, <i>Hypochaeris radicata</i> R, <i>Leontodon saxatile</i> A, <i>Lotus corniculatus</i> R, <i>Ornithopus perpusillus</i> F, <i>Plantago coronopus</i> R, <i>Plantago lanceolata</i> R, <i>Rumex acetosella</i> O, <i>Sagina procumbens</i> R, <i>Senecio jacobaea</i> R, <i>Veronica arvensis</i> R, <i>Veronica chamaedrys</i> F, <i>Veronica officinalis</i> F, <i>Vicia sativa</i> F	<i>Brachythecium albicans</i> R, <i>Didymodon fallax</i> A, <i>Hypnum cupressiforme</i> R, <i>Polytrichum juniperinum</i> A, <i>Rhytidiadelphus squarrosus</i> A
5	7.1.57	Broadleaved semi-natural woodland	Woodland of birch and larch with dense species-poor bramble-dominated ground flora	W10	15	<i>Betula pendula</i> D, <i>Larix decidua</i> O	<i>Crataegus monogyna</i> R, <i>Lonicera periclymenum</i> R, <i>Rubus fruticosus</i> agg. D, <i>Sambucus nigra</i> R, <i>Ulex europaeus</i> R	NA	<i>Chamerion angustifolium</i> LA, <i>Dryopteris dilatata</i> R, <i>Dryopteris filix-mas</i> A, <i>Epilobium montanum</i> R, <i>Galium aparine</i> O, <i>Myosotis arvensis</i> R, <i>Teucrium scorodonia</i> R, <i>Viola riviniana</i> R	NA
6	7.1.58	Broadleaved semi-natural woodland	Avenue of pedunculate oak with short heathy acid grassland ground flora. Line of parallel oaks on banks. Route of former Ively Road.	W16	8	<i>Quercus robur</i> D	<i>Calluna vulgaris</i> R, <i>Erica cinerea</i> R, <i>Salix repens</i> R	<i>Agrostis capillaris</i> D, <i>Agrostis vinealis</i> F	<i>Potentilla anglica</i> F, <i>Teucrium scorodonia</i> F	NA
7	7.1.59	Unimproved neutral grassland	Species-rich grassland. Short sward, patchy, mossy and open, forb cover 80-100%. Infrequently mown, with small scattered bramble and gorse. Affinities to MG5 <i>Cynosurus cristatus-Centaurea nigra</i> , reverting to U1 <i>Festuca ovina-Rumex acetosella</i> in disturbed areas. Some elements likely sown in.	MG5	49	NA	<i>Quercus robur</i> R, <i>Rubus fruticosus</i> agg. F, <i>Ulex europaeus</i> F	<i>Agrostis capillaris</i> F, <i>Anthoxanthum odoratum</i> F, <i>Arrhenatherum elatius</i> R, <i>Carex flacca</i> R, <i>Dactylis glomerata</i> O, <i>Festuca rubra</i> D, <i>Holcus lanatus</i> F, <i>Lolium perenne</i> R, <i>Luzula campestris</i> F, <i>Poa annua</i> R, <i>Poa pratensis</i> R	<i>Achillea millefolium</i> A, <i>Bellis perennis</i> O, <i>Centaurea nigra</i> F, <i>Cerastium fontanum</i> R, <i>Cerastium glomeratum</i> R, <i>Cirsium vulgare</i> R, <i>Daucus carota</i> F, <i>Erigeron acris</i> R, <i>Geranium dissectum</i> R, <i>Hypericum perforatum</i> O, <i>Hypochaeris radicata</i> O, <i>Leontodon saxatile</i> R, <i>Leucanthemum vulgare</i> O, <i>Lotus corniculatus</i> A, <i>Pilosella officinarum</i> R, <i>Plantago lanceolata</i> F, <i>Potentilla reptans</i> R, <i>Prunella vulgaris</i> LF, <i>Ranunculus bulbosus</i> R, <i>Ranunculus bulbosus</i> R, <i>Rumex acetosa</i> O, <i>Rumex acetosella</i> LF, <i>Senecio erucifolius</i> R, <i>Senecio jacobaea</i> R, <i>Stellaria graminea</i> F, <i>Taraxacum</i> agg. F, <i>Trifolium arvense</i> R, <i>Trifolium dubium</i> R, <i>Trifolium repens</i> O, <i>Veronica officinalis</i> R, <i>Veronica serpyllifolia</i> R, <i>Vicia sativa</i> R	<i>Calliergonella cuspidata</i> LF, <i>Pseudoscleropodium purum</i> O, <i>Rhytidiadelphus squarrosus</i> F

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
8	7.1.60	Broadleaved plantation woodland	Young woodland, with some recent planting of oak and pine.	NA	12	<i>Betula pendula</i> A, <i>Pinus sylvestris</i> O, <i>Quercus robur</i> F, <i>Salix caprea</i> F, <i>Sorbus aucuparia</i> F	<i>Galium aparine</i> F, <i>Hedera helix</i> D, <i>Lonicera periclymenum</i> R, <i>Prunus avium</i> R, <i>Rubus fruticosus</i> agg. D <i>Sambucus nigra</i> R	NA	<i>Dryopteris filix-mas</i> F, <i>Myosotis arvensis</i> F	NA

Table 7 9: Target Notes From the Former Southwood Golf Course

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.61	Broadleaved semi-natural woodland, semi-improved neutral grassland	Woodland along Ively Road to south of golf course, with area of grassland. Woodland dominated by young birch and pedunculate oak with understorey of dense bramble.	W10	41	<i>Betula pendula</i> , <i>Fraxinus excelsior</i> , <i>Quercus robur</i>	<i>Corylus avellana</i> , <i>Crataegus monogyna</i> , <i>Rosa canina</i> agg., <i>Rubus fruticosus</i> agg., <i>Salix caprea</i> , <i>Salix cinerea</i> , <i>Ulex europaeus</i>	<i>Brachypodium sylvaticum</i> , <i>Carex flacca</i> , <i>Carex hirta</i> , <i>Festuca rubra</i> , <i>Holcus lanatus</i> , <i>Juncus inflexus</i> , <i>Luzula campestris</i> , <i>Poa angustifolia</i> , <i>Schedonorus arundinaceus</i>	<i>Achillea millefolium</i> , <i>Arabidopsis thaliana</i> , <i>Calystegia silvatica</i> , <i>Epilobium parviflorum</i> , <i>Galium album</i> , <i>Geranium dissectum</i> , <i>Geum urbanum</i> , <i>Hypericum perforatum</i> , <i>Leucanthemum vulgare</i> , <i>Oenothera</i> sp., <i>Plantago lanceolata</i> , <i>Potentilla reptans</i> , <i>Prunella vulgaris</i> , <i>Ranunculus repens</i> , <i>Rumex sanguineus</i> , <i>Scrophularia nodosa</i> , <i>Senecio jacobaea</i> , <i>Taraxacum</i> agg., <i>Veronica chamaedrys</i> , <i>Veronica persica</i> , <i>Vicia hirta</i> , <i>Vicia sativa</i>	NA
2	7.1.62	Broadleaved semi-natural woodland	Semi-natural woodland between road and plantation woodland of golf course. Dominated by mature pedunculate oak, with hazel coppice along bank by road.	W10	15	<i>Betula pendula</i> F, <i>Quercus robur</i> F, <i>Salix cinerea</i> F	<i>Corylus avellana</i> F, <i>Lonicera periclymenum</i> F, <i>Pteridium aquilinum</i> D, <i>Rubus fruticosus</i> agg. D	<i>Holcus lanatus</i> O, <i>Juncus effusus</i> R	<i>Alliaria petiolata</i> R, <i>Dryopteris filix-mas</i> R, <i>Hyacinthoides non-scripta</i> LA, <i>Iris foetidissima</i> R, <i>Stellaria holostea</i> LA, <i>Viola riviniana</i> O	NA
3	7.1.63	Broadleaved semi-natural woodland	Alder-dominated woodland with grassy ground flora. Woodland continues to east along watercourse as line of alders.	W6	29	<i>Alnus glutinosa</i> D, <i>Betula pubescens</i> O, <i>Salix cinerea</i> O	<i>Berberis thunbergii</i> R, <i>Cornus sanguinea</i> R, <i>Fraxinus excelsior</i> R, <i>Ilex aquifolium</i> LF, <i>Lonicera periclymenum</i> R, <i>Rosa canina</i> R, <i>Rubus fruticosus</i> agg. O	<i>Arrhenatherum elatius</i> R, <i>Carex pendula</i> LA, <i>Carex remota</i> A, <i>Holcus lanatus</i> O, <i>Juncus effusus</i> LA, <i>Phalaris arundinacea</i> LA, <i>Poa trivialis</i> D	<i>Ajuga reptans</i> R, <i>Alliaria petiolata</i> R, <i>Athyrium filix-femina</i> F, <i>Cardamine flexuosa</i> R, <i>Dryopteris dilatata</i> R, <i>Dryopteris filix-mas</i> F, <i>Ficaria verna</i> R, <i>Galium aparine</i> F, <i>Geum urbanum</i> R, <i>Lysimachia vulgaris</i> R, <i>Rumex obtusifolius</i> O, <i>Urtica dioica</i> A	NA
4	7.1.64	Broadleaved semi-natural woodland	Open wet woodland by watercourse, with understorey of grasses and tall-herbs. Canopy dominated by birch, willows and poplars.	W6	42	<i>Alnus glutinosa</i> F, <i>Betula pendula</i> LF, <i>Betula pubescens</i> LD, <i>Populus x canadensis</i> LA, <i>Salix cinerea</i> F, <i>Salix x sepulcralis</i> R	<i>Rubus fruticosus</i> agg. LD, <i>Salix cinerea</i> F, <i>Salix x reichardtii</i> R, <i>Solanum dulcamara</i> R	<i>Carex pendula</i> R, <i>Carex remota</i> F, <i>Deschampsia cespitosa</i> F, <i>Holcus lanatus</i> LF, <i>Poa trivialis</i> LA,	<i>Angelica sylvestris</i> R, <i>Athyrium filix-femina</i> F, <i>Caltha palustris</i> R, <i>Cardamine flexuosa</i> R, <i>Cardamine pratensis</i> R, <i>Cirsium arvense</i> LF, <i>Cirsium palustre</i> LF, <i>Dryopteris dilatata</i> R, <i>Filipendula ulmaria</i> R, <i>Galium palustre</i> A, <i>Geum urbanum</i> R, <i>Impatiens capensis</i> LA, <i>Iris pseudacorus</i> F, <i>Lotus pedunculatus</i> R, <i>Lycopus europaeus</i> LA, <i>Mentha aquatica</i> R, <i>Myosotis scorpioides</i> LA, <i>Oenanthe crocata</i> A, <i>Pulicaria dysenterica</i> R, <i>Ranunculus acris</i> R, <i>Ranunculus repens</i> R, <i>Rumex acetosa</i> R, <i>Rumex obtusifolius</i> LF, <i>Scrophularia nodosa</i> R, <i>Silene flos-cuculi</i> R, <i>Urtica dioica</i> LA, <i>Veronica beccabunga</i> R	NA

Table C10: Target Notes From Cove Brook

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.65	Poor semi-improved grassland	Species-poor, rank, ungrazed grassland, dominated by meadow foxtail, red fescue and Yorkshire fog. Very thick thatchy sward, with tussocks of Yorkshire fog and tufted hair-grass in damp areas. No evidence of improvement but very	MG9	25	NA	NA	<i>Alopecurus pratensis</i> D, <i>Festuca rubra</i> D, <i>Holcus lanatus</i> D, <i>Agrostis stolonifera</i> A, <i>Lolium perenne</i> LA, <i>Carex leporina</i> LF, <i>Anthoxanthum odoratum</i> O, <i>Carex nigra</i> O, <i>Deschampsia cespitosa</i> O, <i>Juncus effusus</i> R	<i>Epilobium hirsutum</i> LD, <i>Cerastium fontanum</i> O, <i>Galium palustre</i> O, <i>Potentilla acris</i> O, <i>Potentilla repens</i> O, <i>Rumex acetosa</i> O, <i>Rumex conglomeratus</i> O, <i>Stellaria graminea</i> O, <i>Taraxacum</i> agg. O, <i>Cirsium arvense</i> R, <i>Geranium dissectum</i> R, <i>Lathyrus pratensis</i> R, <i>Lotus</i>	NA



TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
			low cover and diversity of forb species.						<i>pedunculatus</i> R, <i>Trifolium repens</i> R, <i>Vicia cracca</i> R, <i>Vicia sativa</i> R	
2	7.1.65	Marshy grassland	Rank marshy grassland dominated by soft rush over a thick sward of creeping bent and Yorkshire fog, with frequent common sedge, creeping buttercup and marsh bedstraw, with some forb species locally abundant, such as bog stitchwort. Some areas infested with creeping thistle and great willowherb, and successional grey willow scrub developing around the boundary.	MG10a, M23b	49	NA	<i>Cornus sanguinea</i> R, <i>Humulus lupulus</i> R, <i>Salix cinerea</i> R, <i>Solanum dulcamara</i> R	<i>Agrostis stolonifera</i> D, <i>Holcus lanatus</i> D, <i>Juncus effusus</i> A, <i>Alopecurus pratensis</i> F, <i>Carex nigra</i> F, <i>Festuca rubra</i> F, <i>Agrostis canina</i> LA, <i>Carex disticha</i> LD, <i>Carex hirta</i> LF, <i>Juncus acutiflorus</i> LF, <i>Deschampsia cespitosa</i> O, <i>Anthoxanthum odoratum</i> R, <i>Eleocharis palustris</i> R, <i>Glyceria fluitans</i> R, <i>Phalaris arundinacea</i> R, <i>Phleum pratense</i> R	<i>Galium palustre</i> A, <i>Cardamine pratensis</i> F, <i>Equisetum arvense</i> F, <i>Oenanthe crocata</i> F, <i>Pulicaria dysenterica</i> F, <i>Ranunculus flammula</i> F, <i>Ranunculus repens</i> F, <i>Lycopus europaeus</i> F, <i>Rumex acetosa</i> F, <i>Stellaria alsine</i> F, <i>Angelica sylvestris</i> LA, <i>Cirsium arvense</i> LA, <i>Impatiens capensis</i> LA, <i>Poa trivialis</i> LA, <i>Epilobium hirsutum</i> LD, <i>Ranunculus acris</i> O, <i>Silene flos-cuculi</i> O, <i>Achillea ptarmica</i> R, <i>Cerastium fontanum</i> R, <i>Cirsium vulgare</i> R, <i>Epilobium montanum</i> R, <i>Equisetum palustre</i> R, <i>Hypericum tetrapterum</i> R, <i>Iris pseudacorus</i> R, <i>Lathyrus pratensis</i> R, <i>Stellaria graminea</i> R, <i>Taraxacum</i> agg. R, <i>Vicia cracca</i> R	<i>Calliargonella cuspidata</i> LA
3	7.1.66	Broadleaved semi-natural woodland	Young oak wood with dense scrubby understorey. Ground flora better developed along path and ditch along edge. Occasional mature oaks on old bank.	W10	37	<i>Betula pendula</i> F, <i>Corylus avellana</i> R, <i>Quercus robur</i> D, <i>Salix x fragilis</i> R	<i>Acer pseudoplatanus</i> R, <i>Cornus sanguinea</i> R, <i>Corylus avellana</i> O, <i>Crataegus monogyna</i> R, <i>Fraxinus excelsior</i> R, <i>Hedera helix</i> LD, <i>Ilex aquifolium</i> A, <i>Lonicera periclymenum</i> R, <i>Prunus laurocerasus</i> R, <i>Pteridium aquilinum</i> R, <i>Ribes rubrum</i> R, <i>Rubus fruticosus</i> agg. D, <i>Salix cinerea</i> O, <i>Sorbus aucuparia</i> R, <i>Taxus baccata</i> R	<i>Anthoxanthum odoratum</i> LA, <i>Carex pendula</i> R, <i>Deschampsia cespitosa</i> O, <i>Poa trivialis</i> LA	<i>Alliaria petiolata</i> R, <i>Anthriscus sylvestris</i> R, <i>Conopodium majus</i> LA, <i>Digitalis purpurea</i> R, <i>Dryopteris dilatata</i> LF, <i>Dryopteris filix-mas</i> R, <i>Geranium robertianum</i> R, <i>Geum urbanum</i> LF, <i>Hyacinthoides non-scripta</i> R, <i>Hyacinthoides x massartiana</i> R, <i>Myosotis sylvatica</i> R, <i>Stachys sylvatica</i> R, <i>Stellaria holostea</i> F, <i>Veronica hederifolia</i> LA	NA
4	7.1.67	Marshy grassland	Unimproved marshy grassland. Very rank, dominated by false oat-grass, being colonised by bramble and common nettle.	MG1c	15	NA	<i>Rubus fruticosus</i> agg. F	<i>Alopecurus pratensis</i> D, <i>Arrhenatherum elatius</i> D, <i>Carex pendula</i> R, <i>Holcus lanatus</i> A, <i>Juncus effusus</i> R, <i>Phalaris arundinacea</i> LD	<i>Cardamine pratensis</i> R, <i>Filipendula ulmaria</i> LA, <i>Lysimachia vulgaris</i> LA, <i>Ranunculus repens</i> R, <i>Rumex acetosa</i> R, <i>Taraxacum</i> agg. O, <i>Urtica dioica</i> A	<i>Brachythecium rutabulum</i> LA
5	7.1.68	Broadleaved semi-natural woodland	Wet woodland with standing water	W6	32	<i>Alnus glutinosa</i> O, <i>Betula pendula</i> F, <i>Corylus avellana</i> O, <i>Quercus robur</i> O, <i>Salix cinerea</i> D, <i>Salix x fragilis</i> D	<i>Fraxinus excelsior</i> R, <i>Ilex aquifolium</i> O, <i>Rubus fruticosus</i> LD, <i>Salix caprea</i> R, <i>Solanum dulcamara</i> R, <i>Taxus baccata</i> R	<i>Carex remota</i> F, <i>Deschampsia cespitosa</i> LD, <i>Glyceria fluitans</i> LA, <i>Holcus lanatus</i> O, <i>Juncus effusus</i> R, <i>Poa trivialis</i> LD,	<i>Alliaria petiolata</i> O, <i>Callitriche stagnalis</i> LA, <i>Cardamine flexuosa</i> R, <i>Filipendula ulmaria</i> LF, <i>Galium aparine</i> LA, <i>Galium palustre</i> LF, <i>Geranium robertianum</i> O, <i>Geum urbanum</i> F, <i>Hyacinthoides x massartiana</i> R, <i>Lamium galeobdolon</i> subsp. <i>argentatum</i> LD, <i>Lysimachia vulgaris</i> LF, <i>Ranunculus flammula</i> R, <i>Urtica dioica</i> LD, <i>Viburnum opulus</i> R	NA
6	7.1.69	Marshy grassland, poor semi-improved grassland, inundation vegetation	Mosaic of marshy, inundation and poor semi-improved grassland. Very over-grown and tussocky.	MG1, MG7, MG10, MG13	37	NA	NA	<i>Agrostis capillaris</i> LF, <i>Agrostis stolonifera</i> A, <i>Alopecurus pratensis</i> D, <i>Arrhenatherum elatius</i> LD, <i>Deschampsia cespitosa</i> F, <i>Eleocharis palustris</i> LA, <i>Festuca rubra</i> LD, <i>Holcus lanatus</i> A, <i>Juncus acutiflorus</i> LA, <i>Juncus effusus</i> F	<i>Angelica sylvestris</i> O, <i>Cardamine pratensis</i> O, <i>Crassula helmsii</i> LD, <i>Epilobium montanum</i> R, <i>Filipendula ulmaria</i> F, <i>Galium aparine</i> R, <i>Galium palustre</i> A, <i>Iris pseudacorus</i> LA, <i>Lotus pedunculatus</i> O, <i>Lysimachia nummularium</i> R, <i>Lysimachia vulgare</i> LF, <i>Mentha aquatica</i> LF, <i>Montia</i>	<i>Calliargon cuspidatum</i> LA, <i>Calliargonella cuspidatum</i> LA

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
									<i>fontana</i> R, <i>Oenanthe crocata</i> LF, <i>Pilosella officinarum</i> LF, <i>Plantago lanceolata</i> LF, <i>Ranunculus acris</i> F, <i>Ranunculus flammula</i> R, <i>Ranunculus repens</i> F, <i>Rumex acetosa</i> O, <i>Rumex conglomeratus</i> LF, <i>Rumex obtusifolius</i> R, <i>Senecio jacobaea</i> R, <i>Silene flos-cuculi</i> R, <i>Taraxacum</i> agg. F	

Table C11: Target Notes From Blackwater Valley

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.70	Dry dwarf shrub heath	Small area of heather-dominated heathland	H1	5	NA	<i>Calluna vulgaris</i> D	<i>Molinia caerulea</i> LA	<i>Hieracium</i> sp. F	<i>Hypnum jutlandicum</i> A, <i>Pseudoscleropodium purum</i> A
2	7.1.71	Semi-improved neutral grassland	Neutral grassland with calcifuge species on anthills and in disturbed area	MG5	25	NA	<i>Rosa rubiginosa</i> R, <i>Rubus fruticosus</i> agg. LA, <i>Ulex europaeus</i> O	<i>Carex hirta</i> R, <i>Dactylis glomerata</i> D, <i>Festuca rubra</i> A, <i>Holcus lanatus</i> O, <i>Juncus effusus</i> LF, <i>Lolium perenne</i> F	<i>Achillea millefolium</i> O, <i>Ajuga reptans</i> R, <i>Centaurea nigra</i> A, <i>Galium aparine</i> F, <i>Galeopsis bifida</i> R, <i>Geranium dissectum</i> F, <i>Hieracium</i> sp. LA, <i>Hypericum perforatum</i> A, <i>Hypochaeris radicata</i> F, <i>Pilosella officinarum</i> F, <i>Plantago lanceolata</i> A, <i>Rumex acetosa</i> O, <i>Rumex acetosella</i> O, <i>Senecio jacobaea</i> F	<i>Polytrichum juniperinum</i> LF, <i>Pseudoscleropodium purum</i> A
3	NA	Broadleaved semi-natural woodland	Wet woodland dominated by alder	W6d	15	<i>Alnus glutinosa</i> D, <i>Betula pendula</i> F	<i>Corylus avellana</i> O, <i>Quercus robur</i> R, <i>Rosa canina</i> R, <i>Rubus fruticosus</i> agg. D, <i>Sambucus nigra</i> R	NA	<i>Dryopteris filix-mas</i> O, <i>Filipendula ulmaria</i> R, <i>Galium aparine</i> A, <i>Glechoma hederacea</i> R, <i>Heracleum sphondylium</i> O, <i>Ranunculus repens</i> A, <i>Rumex obtusifolius</i> O, <i>Urtica dioica</i> A	NA
4	NA	Broadleaved semi-natural woodland	Immature alder-dominated woodland	W6	7	<i>Alnus glutinosa</i> D, <i>Betula pubescens</i> F, <i>Salix cinerea</i> A	NA	<i>Carex remota</i> F, <i>Carex pendula</i> LA, <i>Juncus effusus</i> LA, <i>Phragmites australis</i> LA	NA	NA
5	7.1.72	Swamp	Reedbed dominated by common reed and reedmace	S4	2	NA	NA	<i>Phragmites australis</i> D	<i>Typha latifolia</i> A	NA
6	7.1.73	Broadleaved semi-natural woodland	Swampy grey willow-dominated woodland, with open understorey and standing water	W1	8	<i>Salix cinerea</i> D	NA	<i>Phragmites australis</i> LD	<i>Equisetum x litorale</i> O, <i>Hottonia palustris</i> R, <i>Lemna minor</i> A, <i>Lysimachia vulgaris</i> F, <i>Mentha aquatica</i> F, <i>Typha latifolia</i> LA	NA
7	7.1.74	Broadleaved semi-natural woodland	Dry pedunculate oak woodland along railway	W16a	21	<i>Betula pendula</i> D, <i>Quercus robur</i> A	<i>Corylus avellana</i> R, <i>Hedera helix</i> F, <i>Ilex aquifolium</i> F, <i>Lonicera periclymenum</i> A, <i>Rubus fruticosus</i> agg. O, <i>Ulex europaeus</i> R, <i>Vaccinium myrtillus</i> R	<i>Agrostis capillaris</i> A, <i>Agrostis curtisii</i> LF, <i>Deschampsia cespitosa</i> F, <i>Deschampsia flexuosa</i> A, <i>Juncus effusus</i> LA, <i>Molinia caerulea</i> R	<i>Dryopteris dilatata</i> R, <i>Pteridium aquilinum</i> R, <i>Stellaria holostea</i> R	<i>Dicranella heteromalla</i> R, <i>Kindbergia praelonga</i> A, <i>Polytrichastrum formosum</i> R

Table C12: Target Notes From Frimley Green 1

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Grasses	Forbs	Bryophytes
1	7.1.75	Broadleaved semi-natural woodland	Small stand of alder-dominated woodland at corner of Balmoral Drive and Frimley Green Road. Wet Woodland Priority Habitat. Ground flora with abundant Himalayan balsam.	W6	29	<i>Acer pseudoplatanus</i> R, <i>Alnus glutinosa</i> D, <i>Salix cinerea</i> O	<i>Crataegus monogyna</i> R, <i>Hedera helix</i> LA, <i>Ilex aquifolium</i> R, <i>Ribes nigrum</i> A, <i>Rubus fruticosus</i> agg., <i>Salix cinerea</i> R, <i>Solanum dulcamara</i> R, <i>Sorbus aucuparia</i> R	<i>Carex pendula</i> O, <i>Carex remota</i> F, <i>Glyceria fluitans</i> LA, <i>Holcus lanatus</i> LA,	<i>Angelica sylvestris</i> R, <i>Athyrium filix-femina</i> R, <i>Dryopteris dilatata</i> R, <i>Equisetum arvense</i> R, <i>Ficaria verna</i> R, <i>Galium aparine</i> F, <i>Galium palustre</i> LA, <i>Geum urbanum</i> R, <i>Impatiens glandulifera</i> D, <i>Iris pseudacorus</i> R, <i>Iris pseudacorus</i> R, <i>Lysimachia vulgaris</i> R, <i>Rumex sanguineus</i> O, <i>Urtica dioica</i> A	NA

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Grasses	Forbs	Bryophytes
2	7.1.76	Swamp	Ornamental feature in valley below road, with abundant macrophyte vegetation. Surrounding slopes cleared of amenity shrub planting	NA	16	NA	<i>Alnus glutinosa</i> O, <i>Salix cinerea</i> LD	<i>Agrostis stolonifera</i> LD, <i>Holcus lanatus</i> R	<i>Apium nodiflorum</i> R, <i>Caltha palustris</i> R, <i>Epilobium hirsutum</i> F, <i>Equisetum arvense</i> A, <i>Glyceria fluitans</i> LA, <i>Lathyrus pratensis</i> R, <i>Lotus pedunculatus</i> R, <i>Lycopus europaeus</i> R, <i>Myosotis scorpioides</i> LA, <i>Stellaria alsine</i> R, <i>Typha latifolia</i> D	
3	7.1.77	Broadleaved semi-natural woodland	Woodland and amenity grassland along Balmoral Drive. Southern side comprised secondary sycamore woodland on steep bank adjacent to residential properties.	NA	3	<i>Acer pseudoplatanus</i> D, <i>Betula pendula</i> F, <i>Quercus robur</i> F	NA	NA	NA	NA

Table C13: Target Notes From Pine Ridge

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	NA	Unimproved neutral grassland	SANGS site supporting neutral grassland. Range of species typical of sown 'wildflower' grassland. Species indicative of calcareous soils such as field scabious, wild carrot would be unusual in semi-natural grassland in this part of Surrey.	MG1	18	NA	NA	<i>Arrhenatherum elatius</i> A, <i>Agrostis capillaris</i> R, <i>Cynosurus cristatus</i> F, <i>Dactylis glomerata</i> F, <i>Festuca rubra</i> F, <i>Holcus lanatus</i> F, <i>Phleum bertolonii</i>	<i>Centaurea nigra</i> A, <i>Daucus carota</i> F, <i>Galium album</i> R, <i>Hypochaeris radicata</i> F, <i>Knautia arvensis</i> R, <i>Leucanthemum vulgare</i> F, <i>Lotus corniculatus</i> F, <i>Origanum vulgare</i> R, <i>Plantago lanceolata</i> F, <i>Prunella vulgaris</i> R	<i>Rhytidiadelphus squarrosus</i>
2	7.1.78	Dry dwarf shrub heath	Small area of dwarf shrub-heath, with larger stands of dense bracken.	H2	6	NA	<i>Calluna vulgaris</i> D, <i>Erica cinerea</i> F, <i>Ulex minor</i> O	<i>Agrostis curtisii</i> O, <i>Molinia caerulea</i> F	<i>Pteridium aquilinum</i> D	NA
3	7.1.79	Standing water	Balancing ponds, with abundant macrophytes. Invasive non-native species New Zealand pigmyweed, parrot's-feather and water-purslane abundant. Surrey rare species needle spike-rush in northern pond, and Nationally Scarce fringed water lily in both ponds.	NA	5	NA	NA	NA	<i>Crassula helmsii</i> A, <i>Eleocharis acicularis</i> R, <i>Ludwigia grandiflora</i> D, <i>Myriophyllum aquaticum</i> D, <i>Nymphoides peltata</i> A	NA

Table C14: Target Notes From Haleborne

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.102	Hedgerow with trees	Hedgerow boundary between subsites 1 and 2, with large pedunculate oak trees and rich ground flora, including ancient woodland species	NA	31	<i>Populus x canadensis</i> R, <i>Quercus robur</i> D, <i>Salix x fragilis</i> A	<i>Acer campestre</i> R, <i>Corylus avellana</i> R, <i>Crataegus monogyna</i> R, <i>Hedera helix</i> R, <i>Ilex aquifolium</i> R, <i>Prunus spinosa</i> R, <i>Rosa arvensis</i> A, <i>Rosa canina</i> agg. R, <i>Rubus fruticosus</i> agg. A, <i>Salix caprea</i> A, <i>Salix cinerea</i> A	<i>Agrostis capillaris</i> A, <i>Arrhenatherum elatius</i> R, <i>Carex pendula</i> R, <i>Dactylis glomerata</i> F, <i>Holcus mollis</i> R, <i>Juncus effusus</i> R	<i>Asplenium scolopendrium</i> R, <i>Dryopteris dilatata</i> R, <i>Dryopteris filix-mas</i> R, <i>Equisetum arvense</i> R, <i>Galium aparine</i> O, <i>Glechoma hederacea</i> A, <i>Impatiens glandulifera</i> R, <i>Lapsana communis</i> R, <i>Urtica dioica</i> A	<i>Atrichum tenellum</i> A, <i>Polytrichastrum formosum</i> A
2	7.1.104	Poor semi-improved grassland, marshy grassland	Unmanaged area of rank species-poor grassland with scattered pedunculate oak trees. Grassland dominated by soft rush and tufted hair-grass, with stands of bramble and reed canary-grass.	NA	NA	NA	NA	NA	NA	NA
3	7.1.105	Hedgerow with trees	Line of scrub/trees along track, with ditch	NA	9	<i>Quercus robur</i> R	<i>Alnus glutinosa</i> F, <i>Quercus robur</i> R, <i>Rubus fruticosus</i> agg. A, <i>Salix cinerea</i> D	<i>Dactylis glomerata</i> A	<i>Cruciata laevipes</i> A, <i>Galium aparine</i> , <i>Impatiens glandulifera</i> F, <i>Urtica dioica</i> F	NA
4	7.1.105	Broadleaved semi-natural woodland	Wet woodland dominated by alder and poplar	W6	12	<i>Alnus glutinosa</i> A, <i>Populus alba</i> R, <i>Populus x canadensis</i> R, <i>Quercus robur</i> R	<i>Alnus glutinosa</i> F, <i>Corylus avellana</i> O, <i>Hedera helix</i> A, <i>Quercus robur</i> R, <i>Rubus fruticosus</i> agg. A, <i>Salix cinerea</i> A	NA	<i>Calystegia sepium</i> A, <i>Galium aparine</i> F, <i>Impatiens glandulifera</i> A, <i>Urtica dioica</i> D	NA



TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
5	7.1.103	Poor semi-improved grassland, marshy grassland	Species-poor pasture with stands of sharp-flowered rush.	NA	NA	NA	NA	NA	NA	NA

Table C15: Target Notes From Foxhills Golf Course

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.122, 7.1.123	Marshy grassland	Unimproved area on slope at head of shallow valley. Marshy grassland in area of groundwater seepage. Drained by deep artificial channel. Southern area of rush-dominated grassland partly improved/heavily disturbed.	M25, M23	23	NA	<i>Calluna vulgaris</i> LF, <i>Lonicera periclymenum</i> LF, <i>Pteridium aquilinum</i> LA	<i>Agrostis capillaris</i> O, <i>Carex binervis</i> F, <i>Carex hirta</i> R, <i>Carex pilulifera</i> F, <i>Festuca rubra</i> F, <i>Holcus lanatus</i> A, <i>Holcus mollis</i> LF, <i>Juncus acutiflorus</i> F, <i>Juncus effusus</i> F, <i>Luzula campestris</i> F, <i>Molinia caerulea</i> D	<i>Ajuga reptans</i> R, <i>Anagallis tenella</i> LA, <i>Cirsium palustre</i> F, <i>Lotus pedunculatus</i> F, <i>Myosotis discolor</i> R, <i>Potentilla erecta</i> F, <i>Ranunculus acris</i> R, <i>Veronica officinalis</i> R	<i>Sphagnum palustre</i> R
2	7.1.124	NA	Ditches draining springline with abundant bryophytes	M6	13	NA	<i>Calluna vulgaris</i> F	<i>Carex demissa</i> A, <i>Juncus articulatus</i> A, <i>Juncus bulbosus</i> A	<i>Anagallis tenella</i> D, <i>Cardamine pratensis</i> F, <i>Lotus pedunculatus</i> A, <i>Potentilla erecta</i> F	<i>Aulacomnium palustre</i> O, <i>Calliergonella cuspidata</i> A, <i>Pellia neesiana</i> A, <i>Sphagnum denticulatum</i> A, <i>Sphagnum palustre</i> A
3	NA	Semi-improved acid grassland	Semi-improved acid grassland in area of 'rough' at edge of course.	NA	16	NA	NA	<i>Anthoxanthum odoratum</i> A,	<i>Centaurea nigra</i> R, <i>Hypericum perforatum</i> R, <i>Lotus corniculatus</i> R, <i>Pilosella officinarum</i> F, <i>Plantago lanceolata</i> O, <i>Rumex acetosa</i> R, <i>Rumex acetosella</i> O, <i>Senecio jacobaea</i> O, <i>Trifolium campestre</i> R, <i>Trifolium pratense</i> R, <i>Trifolium repens</i> R, <i>Veronica chamaedrys</i> O, <i>Vicia sativa</i> subsp. <i>nigra</i> F	<i>Pseudoscleropodium purum</i> F
4	7.1.125	Standing water	Pond with tall emergent vegetation and abundant macrophytes	NA	12	NA	NA	<i>Juncus acutiflorus</i> F, <i>Juncus effusus</i> F, <i>Isolpeis setacea</i> O, <i>Phragmites australis</i> D	<i>Callitriche brutia</i> subsp. <i>hamulata</i> R, <i>Cardamine flexuosa</i> F, <i>Cirsium palustre</i> F, <i>Lotus pedunculatus</i> F, <i>Potamogeton natans</i> A, <i>Potamogeton pusillus</i> R, <i>Pulicaria dysenterica</i> F, <i>Ranunculus flammula</i> F	NA
5	7.1.126	Standing water	Lined pond with rich emergent and macrophyte flora	NA	28	NA	NA	<i>Agrostis stolonifera</i> F, <i>Juncus articulatus</i> F, <i>Juncus effusus</i> LA, <i>Poa trivialis</i> F	<i>Alisma plantago-aquatica</i> F, <i>Bellis perennis</i> O, <i>Cardamine pratensis</i> F, <i>Juncus articulatus</i> R, <i>Cirsium palustre</i> F, <i>Eleocharis palustris</i> R, <i>Epilobium parviflorum</i> F, <i>Galium palustre</i> LA, <i>Hydrocotyle vulgaris</i> F, <i>Iris pseudacorus</i> F, <i>Lemna minor</i> O, <i>Lotus pedunculatus</i> O, <i>Lycopus europaeus</i> R, <i>Lythrum portula</i> R, <i>Mentha aquatica</i> LA, <i>Montia fontana</i> F, <i>Myosotis laxa</i> O, <i>Pulicaria dysenterica</i> F, <i>Ranunculus flammula</i> A, <i>Ranunculus hederacea</i> D, <i>Sparganium erectum</i> F, <i>Stellaria alsine</i> D, <i>Typha latifolia</i> A	<i>Calliergonella cuspidata</i> A
6	7.1.127	Broadleaved semi-natural	Pedunculate oak woodland on site boundary. Bank of road side.	W10	20	<i>Castanea sativa</i> F, <i>Fagus sylvatica</i> R, <i>Fraxinus</i>	<i>Corylus avellana</i> O, <i>Crataegus monogyna</i> R, <i>Fagus sylvatica</i> R, <i>Hedera helix</i> R, <i>Ilex aquifolium</i> D, <i>Lonicera periclymenum</i> LA, <i>Prunus</i>	<i>Agrostis vinealis</i> LA, <i>Brachypodium sylvaticum</i> R, <i>Poa nemoralis</i> R	<i>Arum maculatum</i> LD <i>Pteridium aquilinum</i> R, <i>Veronica officinalis</i> O	NA

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
						<i>excelsior</i> LD, <i>Quercus robur</i> A	<i>spinosa</i> R, <i>Rubus fruticosus</i> agg. LD, <i>Taxus baccata</i> R, <i>Tilia x europaea</i> R, <i>Ulmus procera</i> R			

Table C16: Target Notes From Addlestone Moor

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.128	Marshy grassland	Very rank marshy grassland dominated by large tussocks of soft rush with extensive areas of litter and bare ground. Unmanaged except for mown strip around edge.	MG10a	26	NA	NA	<i>Agrostis canina</i> LA, <i>Agrostis stolonifera</i> F, <i>Carex hirta</i> O, <i>Carex leporina</i> R, <i>Deschampsia cespitosa</i> F, <i>Holcus lanatus</i> F, <i>Juncus acutiflorus</i> LA, <i>Juncus effusus</i> D, <i>Poa trivialis</i> A	<i>Cirsium palustre</i> LA, <i>Galeopsis tetrahit</i> agg. R, <i>Galium palustre</i> LA, <i>Lotus pedunculatus</i> A, <i>Persicaria hydropiper</i> A, <i>Potentilla anglica</i> R, <i>Potentilla erecta</i> R, <i>Ranunculus acris</i> R, <i>Ranunculus flammula</i> R, <i>Ranunculus repens</i> F, <i>Rumex acetosa</i> LF, <i>Rumex crispus</i> R, <i>Scrophularia auriculata</i> F, <i>Senecio jacobaea</i> R, <i>Solanum dulcamara</i> R, <i>Stellaria alsine</i> O, <i>Urtica dioica</i> F	NA
2	7.1.129	Poor semi-Improved grassland	Overgrazed, seasonally wet grassland. Large areas of bare ground with low growing grasses and rushes. Edge of improved grassland, with lush growth of Yorkshire fog.	MG13	16	NA	NA	<i>Agrostis canina</i> LA, <i>Agrostis stolonifera</i> A, <i>Alopecurus geniculatus</i> F, <i>Anthoxanthum odoratum</i> LA, <i>Carex leporina</i> A, <i>Glyceria fluitans</i> A, <i>Holcus lanatus</i> D, <i>Juncus articulatus</i> F, <i>Juncus bufonius</i> O, <i>Juncus conglomeratus</i> LF, <i>Poa annua</i> R, <i>Poa humilis</i> R, <i>Poa trivialis</i> A	<i>Ranunculus flammula</i> O, <i>Ranunculus repens</i> F, <i>Urtica dioica</i> R	NA
3	7.1.130	Poor semi-Improved grassland	Very coarse grass-dominated grassland with abundant sedges. Very thick thatch of velvet bent in places.	MG9	18	NA	NA	<i>Agrostis canina</i> D, <i>Agrostis stolonifera</i> LA, <i>Anthoxanthum odoratum</i> F, <i>Carex hirta</i> F, <i>Carex leporina</i> A, <i>Carex nigra</i> LA, <i>Deschampsia cespitosa</i> O, <i>Glyceria fluitans</i> LF, <i>Holcus lanatus</i> D, <i>Juncus acutiflorus</i> LA, <i>Juncus effusus</i> LA, <i>Poa trivialis</i> F	<i>Cirsium palustre</i> R, <i>Persicaria hydropiper</i> R, <i>Ranunculus flammula</i> R, <i>Ranunculus repens</i> LA, <i>Rumex crispus</i> R, <i>Stellaria alsine</i> R	NA
4	7.1.131	Broadleaved semi-natural woodland	Secondary woodland dominated by silver birch.	NA	6	<i>Betula pendula</i> D	<i>Rubus fruticosus</i> agg. D, <i>Salix cinerea</i> D.	NA	<i>Dryopteris dilatata</i> F, <i>Galium aparine</i> A, <i>Urtica dioica</i> D	NA
5	7.1.132	Broadleaved semi-natural woodland	Wet woodland along eastern and northern boundaries of Pannells Farm SNCI.	W6	34	<i>Alnus glutinosa</i> D, <i>Betula pubescens</i> D, <i>Quercus robur</i> O, <i>Salix cinerea</i> O, <i>Salix x fragilis</i> sens. lat. O	<i>Aesculus hippocastanum</i> R, <i>Carpinus betulus</i> R, <i>Corylus avellana</i> R, <i>Crataegus monogyna</i> R, <i>Hedera helix</i> A, <i>Ilex aquifolium</i> R, <i>Lonicera periclymenum</i> LA, <i>Rosa arvensis</i> R, <i>Rubus fruticosus</i> agg. LA, <i>Salix cinerea</i> F, <i>Sambucus nigra</i> O, <i>Sorbus aucuparia</i> R	<i>Carex pseudocyperus</i> R, <i>Carex remota</i> LA, <i>Holcus mollis</i> LA, <i>Poa nemoralis</i> R, <i>Poa trivialis</i> A	<i>Alliaria petiolata</i> O, <i>Cirsium palustre</i> R, <i>Dryopteris dilatata</i> R, <i>Dryopteris filix-mas</i> R, <i>Galium aparine</i> F, <i>Galium palustre</i> R, <i>Geum urbanum</i> R, <i>Hyacinthoides non-scripta</i> R, <i>Hypericum pulchrum</i> R, <i>Pentaglottis sempervirens</i> R, <i>Stellaria holostea</i> LA, <i>Urtica dioica</i> D	NA
6	7.1.133, 7.1.34	Ephemeral/short perennial, Semi-improved neutral grassland	Short weedy grassland grazed by rabbits. Heavily disturbed areas mapped as ephemeral/short perennial with abundant species of dry	U1	29	NA	NA	<i>Agrostis capillaris</i> D, <i>Aira praecox</i> R, <i>Festuca rubra</i> F, <i>Holcus lanatus</i> F, <i>Lolium perenne</i> F, <i>Carex muricata</i> subsp. <i>pairae</i> R	<i>Anagallis arvensis</i> R, <i>Anchusa arvensis</i> R, <i>Aphanes australis</i> R, <i>Centaurium erythraea</i> R, <i>Crepis capillaris</i> R, <i>Erodium cicutarium</i> R, <i>Festuca rubra</i> F, <i>Glechoma</i>	<i>Brachythecium albicans</i> R, <i>Polytrichum juniperinum</i> LA, <i>Pseudoscleropodium purum</i> R

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
			sandy soils, with affinities to U1 <i>Festuca ovina-Rumex acetosella</i> grassland.						<i>hederacea</i> A, <i>Leontodon saxatilis</i> F, <i>Luzula campestris</i> F, <i>Ornithopus perpusillus</i> A, <i>Plantago coronopus</i> R, <i>Plantago lanceolata</i> F, <i>Potentilla reptans</i> F, <i>Stellaria graminea</i> F, <i>Stellaria media</i> F, <i>Urtica dioica</i> F, <i>Veronica chamaedrys</i> A, <i>Vicia sativa</i> subsp. <i>nigra</i> R, <i>Vulpia bromoides</i> A	
7	7.1.134	Broadleaved semi-natural woodland, introduced shrub	Secondary woodland on made ground with large mature oaks on former boundary bank. Dense understorey of rhododendron.	NA	10	<i>Acer pseudoplatanus</i> D, <i>Betula pendula</i> O, <i>Quercus robur</i> F	<i>Prunus domestica</i> A, <i>Pteridium aquilinum</i> LD, <i>Rhododendron ponticum</i> D, <i>Rubus fruticosus</i> LD	NA	<i>Glechoma hederacea</i> A, <i>Hyacinthoides non-scripta</i> LA, <i>Urtica dioica</i> D	NA

Table C17: Target Notes From Chertsey Meads

TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
1	7.1.135	Semi-improved neutral grassland	Meadow with grassy sward, even in texture with meadow foxtail dominating and finer grasses such as red fescue forming low-growing, thick thatch. Cover by forbs, mostly buttercups, lady's-bedstraw, meadow vetchling and tufted vetch, high in many areas, around 80%.	MG7c	20	NA	NA	<i>Alopecurus pratensis</i> D, <i>Festuca rubra</i> A, <i>Lolium perenne</i> A, <i>Holcus lanatus</i> F, <i>Schedonorus arundinaceus</i> O	<i>Lathyrus pratensis</i> A, <i>Allium vineale</i> F, <i>Lotus corniculatus</i> F, <i>Ranunculus bulbosus</i> R, <i>Ranunculus bulbosus</i> F, <i>Ranunculus repens</i> F, <i>Taraxacum</i> agg. F, <i>Vicia cracca</i> F, <i>Galium verum</i> LF, <i>Geranium dissectum</i> O, <i>Trifolium pratense</i> O, <i>Trifolium repens</i> O, <i>Anthriscus sylvestris</i> R, <i>Galium aparine</i> R, <i>Glechoma hederacea</i> R	NA
2	7.1.136	Marshy grassland	Marshy grassland in seasonally-flooded oblong-shaped depression, with narrow raised areas supporting grassland similar to semi-improved neutral grassland to north, and with coarse poor semi-improved grassland on higher ground around boundary. Grass-dominated sward mostly with thick thatch of red fescue, but more open structure in areas where water lies.	MG7c	27	NA	NA	<i>Alopecurus pratensis</i> D, <i>Lolium perenne</i> A, <i>Festuca rubra</i> A, <i>Schedonorus arundinaceus</i> F, <i>Carex disticha</i> LF, <i>Dactylis glomerata</i> O, <i>Agrostis stolonifera</i> R, <i>Carex acutiformis</i> R, <i>Carex panicea</i> R, <i>Elytrigia repens</i> R, <i>Poa pratensis</i> R	<i>Lathyrus pratensis</i> A, <i>Lotus corniculatus</i> A, <i>Ranunculus acris</i> A, <i>Filipendula ulmaria</i> F, <i>Galium verum</i> F, <i>Taraxacum</i> agg. F, <i>Vicia cracca</i> F, <i>Cardamine pratensis</i> O, <i>Geranium dissectum</i> O, <i>Ophioglossum vulgatum</i> R, <i>Plantago lanceolata</i> R, <i>Rumex acetosa</i> R, <i>Rumex crispus</i> R, <i>Trifolium pratense</i> R, <i>Vicia sativa</i> R	<i>Calliergonella cuspidata</i> O
3	7.1.137	Broadleaved semi-natural woodland	Wet woodland at corner of and both sides of Mead Lane, dominated by alder and crack willow, with shrub layer dominated by guelder rose.	W6b	7	<i>Alnus glutinosa</i> D, <i>Salix x fragilis sens. lat.</i> D	<i>Viburnum opulus</i> D	NA	<i>Urtica dioica</i> D, <i>Galium aparine</i> A, <i>Ficaria verna</i> F, <i>Glechoma hederacea</i> F	NA
4	NA	Broadleaved semi-natural woodland	Woodland of young trees along road verge, comprising a variety of species, most of which were probably planted or have become naturalised from nearby introduction. Canopy around 7m, with dense shrub layer of a mix of native species.	NA	12	<i>Alnus incana</i> R, <i>Carpinus betulus</i> F, <i>Populus tremula</i> R, <i>Prunus avium</i> F, <i>Quercus robur</i> R	<i>Acer campestre</i> F, <i>Corylus avellana</i> A, <i>Crataegus monogyna</i> F, <i>Rubus fruticosus</i> F, <i>Sambucus nigra</i> F, <i>Sorbus aria</i> R	NA	<i>Hedera helix</i> D, <i>Urtica dioica</i> D	NA
5	7.1.138	Poor semi-improved grassland	Large meadow with very uniform sward dominated by perennial rye-grass, short, open and with little thatch in many areas suggesting it has been grazed or otherwise disturbed. High species diversity due its large area, with most species rare, the bulk of forbs comprising those tolerant of agricultural	MG7e	39	NA	NA	<i>Lolium perenne</i> D, <i>Dactylis glomerata</i> F, <i>Holcus lanatus</i> F, <i>Festuca rubra</i> F-LD, <i>Schedonorus pratensis</i> LA, <i>Alopecurus pratensis</i> O, <i>Bromus hordeaceus</i> O, <i>Schedonorus arundinaceus</i> O, <i>Agrostis capillaris</i> R, <i>Anthoxanthum odoratum</i> R, <i>Poa annua</i> R	<i>Plantago lanceolata</i> A, <i>Ranunculus acris</i> A, <i>Taraxacum</i> agg. A, <i>Trifolium repens</i> A, <i>Crepis vesicaria</i> F, <i>Ranunculus bulbosus</i> F, <i>Trifolium pratense</i> F, <i>Trifolium campestre</i> LA, <i>Allium vineale</i> LF, <i>Cerastium fontanum</i> O, <i>Geranium dissectum</i> O, <i>Anthriscus sylvestris</i> R, <i>Cardamine pratensis</i> R, <i>Centaurea nigra</i>	<i>Brachythecium rutabulum</i> LF, <i>Kindbergia praelonga</i> R, <i>Oxyrrhynchium hians</i> R



TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
			improvement, mainly beaked hawksbeard, buttercups, clovers, dandelion, and ribwort plantain, these attaining high cover, in places around 70%. Seasonally flooded areas in depressions and along footpaths, and broad lush strip of improved grassland around edge of field very impoverished, dominated by perennial rye-grass.						R, <i>Filipendula ulmaria</i> R, <i>Geranium pratense</i> R, <i>Hypochaeris radicata</i> R, <i>Leucanthemum vulgare</i> R, <i>Plantago major</i> R, <i>Prunella vulgaris</i> R, <i>Rumex crispus</i> R, <i>Scorzoneroideis autumnalis</i> R, <i>Trifolium dubium</i> R, <i>Vicia cracca</i> R, <i>Vicia hirsuta</i> R	
6	7.1.140	Semi-improved neutral grassland	Meadow with meadow foxtail, perennial rye-grass and red fescue the predominant grasses but not coarse, the sward well-structured with more than 80% cover by forbs in most areas. Understorey thatchy with a lot of litter, around 70% cover. Grades into coarser poor semi-improved and improved grassland vegetation around boundary, into marshy grassland and inundation vegetation in topographic depressions and into richer, drier neutral grassland to south.	MG7c	40	NA	NA	<i>Alopecurus pratensis</i> D, <i>Holcus lanatus</i> F, <i>Festuca rubra</i> A, <i>Lolium perenne</i> A, <i>Poa pratensis</i> LF, <i>Dactylis glomerata</i> O, <i>Agrostis capillaris</i> R, <i>Anthoxanthum odoratum</i> R, <i>Avenula pubescens</i> R, <i>Carex acutiformis</i> R, <i>Carex hirta</i> R, <i>Schedonorus arundinaceus</i> R, <i>Schedonorus pratensis</i> R	<i>Lathyrus pratensis</i> A, <i>Ranunculus acris</i> A, <i>Taraxacum</i> agg. A, <i>Galium verum</i> F, <i>Ranunculus bulbosus</i> F, <i>Trifolium pratense</i> F, <i>Trifolium repens</i> F, <i>Filipendula ulmaria</i> LA, <i>Allium vineale</i> LF, <i>Rumex acetosa</i> LF, <i>Crepis vesicaria</i> O, <i>Geranium dissectum</i> O, <i>Lotus corniculatus</i> O, <i>Plantago lanceolata</i> O, <i>Ranunculus repens</i> O, <i>Vicia cracca</i> O, <i>Anthriscus sylvestris</i> R, <i>Cirsium arvense</i> R, <i>Crepis capillaris</i> R, <i>Equisetum arvense</i> R, <i>Heracleum sphondylium</i> R, <i>Luzula campestris</i> R, <i>Narcissus</i> agg. R, <i>Prunella vulgaris</i> R, <i>Vicia sativa</i> R	<i>Brachythecium rutabulum</i> O
7	7.1.139	Inundation vegetation, Marshy grassland	Seasonally-flooded topographic depression, with standing water in western part surrounded by species-poor grassland comprising flood-tolerant plants. Eastern area of marshy grassland, with frequent meadowsweet and occasional lesser pond sedge.	NA	5	NA	NA	<i>Lolium perenne</i> A, <i>Carex acutiformis</i> O	<i>Ranunculus repens</i> A, <i>Filipendula ulmaria</i> F, <i>Plantago major</i> F	NA
8	7.1.141	Semi-improved neutral grassland	Well-drained neutral grassland on elevated gravel terrace. Sward dominated in many areas by red fescue, forming thick thatch, but with high forb cover in places. A variety of other species tolerant of well-drained thatchy swards were present, such as field woodrush and the forbs bulbous buttercup, cat's-ear and yarrow were frequent, with species of better managed and unimproved grassland only occasional, e.g. common bird's-foot-trefoil, common knapweed. This grassland likely represents unimproved grassland that has become degraded due to lack of grazing management.	MG6b	26	NA	NA	<i>Festuca rubra</i> D, <i>Agrostis capillaris</i> F, <i>Anthoxanthum odoratum</i> F, <i>Avenula pubescens</i> F, <i>Dactylis glomerata</i> F, <i>Holcus lanatus</i> F, <i>Lolium perenne</i> F, <i>Luzula campestris</i> F, <i>Alopecurus pratensis</i> O	<i>Achillea millefolium</i> F, <i>Allium vineale</i> F, <i>Galium verum</i> F, <i>Lathyrus pratensis</i> F, <i>Plantago lanceolata</i> F, <i>Ranunculus bulbosus</i> F, <i>Rumex acetosa</i> F, <i>Trifolium pratense</i> F, <i>Centaurea nigra</i> O, <i>Geranium dissectum</i> O, <i>Lotus corniculatus</i> O, <i>Poterium sanguisorba</i> LF, <i>Ranunculus repens</i> O, <i>Vicia sativa</i> O, <i>Hypochaeris radicata</i> R, <i>Vicia hirsuta</i> R	<i>Brachythecium rutabulum</i> O
9	7.1.142	Unimproved neutral grassland	Similar species composition to surrounding semi-improved neutral grassland, but much higher cover by forbs and less grass-dominated and less thatch. Cover by forbs 80-100%, with salad burnet dominating and an abundance of meadow saxifrage (Surrey Scarce), strong indicators of unimproved grassland.	MG5b	27	NA	NA	<i>Festuca rubra</i> D, <i>Agrostis capillaris</i> F, <i>Anthoxanthum odoratum</i> F, <i>Avenula pubescens</i> F, <i>Holcus lanatus</i> F, <i>Lolium perenne</i> F, <i>Alopecurus pratensis</i> O, <i>Luzula campestris</i> O	<i>Poterium sanguisorba</i> D, <i>Allium vineale</i> A, <i>Saxifraga granulata</i> A, <i>Achillea millefolium</i> F, <i>Galium verum</i> F, <i>Lathyrus pratensis</i> F, <i>Plantago lanceolata</i> F, <i>Ranunculus bulbosus</i> F, <i>Rumex acetosa</i> F, <i>Senecio jacobaea</i> F, <i>Taraxacum</i> agg. F, <i>Cerastium fontanum</i> O, <i>Geranium dissectum</i> O, <i>Lotus corniculatus</i> O, <i>Trifolium pratense</i> O, <i>Vicia hirsuta</i> O, <i>Pimpinella saxifraga</i> R, <i>Vicia sativa</i> R	<i>Kindbergia praelonga</i> R



TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
10	NA	Semi-improved neutral grassland	Similar in species composition to the meadow to the south, but grassier in many places. Small forb-rich patches with abundant salad burnet, around 80% cover. Series of topographic depressions in the northern part of the meadow with abundant meadowsweet and frequent cuckoo flower.	MG7d	25	NA	NA	<i>Alopecurus pratensis</i> D, <i>Festuca rubra</i> D, <i>Lolium perenne</i> D, <i>Poa pratensis</i> LF, <i>Dactylis glomerata</i> O, <i>Holcus lanatus</i> O	<i>Galium verum</i> A, <i>Lathyrus pratensis</i> A, <i>Ranunculus acris</i> A, <i>Ranunculus bulbosus</i> F, <i>Taraxacum</i> agg. F, <i>Trifolium pratense</i> F, <i>Trifolium repens</i> F, <i>Vicia cracca</i> F, <i>Filipendula ulmaria</i> LA, <i>Galium album</i> LA, <i>Allium vineale</i> O, <i>Geranium dissectum</i> O, <i>Lotus corniculatus</i> O, <i>Ranunculus repens</i> O, <i>Rumex acetosa</i> O, <i>Poterium sanguisorba</i> O-LA, <i>Cardamine pratensis</i> R, <i>Cerastium fontanum</i> R, <i>Crepis vesicaria</i> R	NA
11	7.1.144	Broadleaved semi-natural woodland	Wet woodland bordering the River Thames and surrounding residential property, dominated by crack willow with large upright and fallen trees. Ground flora dominated by common nettle, with no shrub layer within the woodland. Edge of woodland with dense stands of suckering plum and dewberry. Muddy areas at edge of river with tall-herb species such as yellow-flag and hemlock water dropwort.	W6b	13	<i>Salix x fragilis sens. lat.</i> D, <i>Populus</i> sp. LD	<i>Prunus domestica</i> LD, <i>Rubus caesius</i> LA, <i>Salix cinerea</i> O, <i>Salix purpurea</i> R	<i>Brachypodium sylvaticum</i> O	<i>Urtica dioica</i> D, <i>Galium aparine</i> A, <i>Iris pseudacorus</i> LA, <i>Oenanthe crocata</i> F, <i>Geum urbanum</i> O, <i>Impatiens glandulifera</i> R	NA
12	7.1.146	Swamp	Tall-herb fen and swamp vegetation dominated by common reed, across most of this area arising from dense species-poor stands of large sedges with much accumulated litter. Marginal areas in the north more open in structure with abundant nettles and cleavers. Most of this vegetation was quite dry and likely represents a succession from marshy grassland.	S4a, S26a	10	NA	NA	<i>Phragmites australis</i> D, <i>Carex riparia</i> D, <i>Carex acutiformis</i> F, <i>Carex acuta</i> , O, <i>Carex x subgracilis</i> O	<i>Urtica dioica</i> LA, <i>Galium aparine</i> LA, <i>Valeriana officinalis</i> R, <i>Taraxacum</i> agg. R	NA
13	NA	Poor semi-improved grassland	Quite uniform grassland dominated by perennial rye-grass and red fescue, thatchy in places, with frequent to abundant beaked hawksbeard, buttercups, clovers and dandelion. There were areas with a greater abundance of forbs of semi-improved grassland, such as meadow vetchling, and of unimproved grassland such as adder's-tongue fern and meadow cranesbill (Surrey Scarce), but these were patchy.	MG7e	26	NA	NA	<i>Festuca rubra</i> D, <i>Lolium perenne</i> A, <i>Dactylis glomerata</i> F, <i>Holcus lanatus</i> F, <i>Alopecurus pratensis</i> LF, <i>Bromus commutatus</i> LF, <i>Schedonorus arundinaceus</i> O	<i>Taraxacum</i> agg. A, <i>Plantago lanceolata</i> F, <i>Ranunculus acris</i> F, <i>Ranunculus repens</i> F, <i>Trifolium pratense</i> F, <i>Trifolium repens</i> F, <i>Crepis vesicaria</i> F-LA, <i>Filipendula ulmaria</i> LF, <i>Cardamine pratensis</i> O, <i>Equisetum palustre</i> O, <i>Lathyrus pratensis</i> O, <i>Vicia cracca</i> O, <i>Galium verum</i> R, <i>Geranium pratense</i> R, <i>Heracleum sphondylium</i> R, <i>Medicago lupulina</i> R, <i>Narcissus</i> agg. R, <i>Ophioglossum vulgatum</i> R, <i>Plantago major</i> R	NA
14	7.1.143	Poor semi-improved grassland	Meadow similar to Target Notes 5 and 13 but with less perennial rye-grass.	MG7e	NA	NA	NA	NA	NA	NA
15	7.1.145	Unimproved neutral grassland	Small area within meadow with high forb cover, 80-100%, mostly salad burnet, but also with areas with an abundance of clustered bellflower. Short sward, thatchy in places, and with much less perennial ryegrass than surrounding grassland.	MG5b	24	NA	NA	<i>Festuca rubra</i> A, <i>Dactylis glomerata</i> F, <i>Lolium perenne</i> F, <i>Agrostis capillaris</i> O, <i>Avenula pubescens</i> O, <i>Bromus hordeaceus</i> O	<i>Poterium sanguisorba</i> A, <i>Campanula glomerata</i> F, <i>Ranunculus acris</i> F, <i>Ranunculus bulbosus</i> F, <i>Taraxacum</i> agg. F, <i>Trifolium pratense</i> F, <i>Trifolium repens</i> F, <i>Lathyrus pratensis</i> LF, <i>Galium verum</i> O, <i>Leucanthemum vulgare</i> O, <i>Ranunculus repens</i> O, <i>Vicia cracca</i> O, <i>Achillea millefolium</i> R, <i>Cerastium fontanum</i> R, <i>Crepis vesicaria</i> R, <i>Heracleum sphondylium</i> R, <i>Medicago lupulina</i> R, <i>Trifolium campestre</i> R	NA



TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
16	NA	Improved grassland	Meadow contiguous with and with similar species composition and structure to Target Note 6. Very uniform and grassy, dominated by perennial rye-grass and clover, with around 30% forb cover.	MG7e	23	NA	NA	<i>Lolium perenne</i> D, <i>Dactylis glomerata</i> F, <i>Festuca rubra</i> F, <i>Agrostis stolonifera</i> LA, <i>Holcus lanatus</i> O, <i>Schedonorus arundinaceus</i> O,	<i>Crepis vesicaria</i> A, <i>Taraxacum</i> agg. A, <i>Trifolium repens</i> A, <i>Geranium dissectum</i> F, <i>Plantago lanceolata</i> F, <i>Trifolium pratense</i> F, <i>Cerastium fontanum</i> O, <i>Ranunculus repens</i> O, <i>Rumex crispus</i> O, <i>Cardamine pratensis</i> R, <i>Centaurea nigra</i> R, <i>Crepis capillaris</i> R, <i>Galium verum</i> R, <i>Helminthotheca echioides</i> R, <i>Rumex obtusifolius</i> R, <i>Scorzoneroides autumnalis</i> R	NA
17	7.1.147	Inundation vegetation	Seasonally-inundated areas in topographic depressions by River Bourne, with standing water, around 3cm deep. Dominated by creeping bent, with abundant creeping buttercup and meadow fescue with frequent marsh horsetail.	MG13	5	NA	NA	<i>Agrostis stolonifera</i> D, <i>Schedonorus pratensis</i> A	<i>Ranunculus repens</i> A, <i>Equisetum palustre</i> F, <i>Persicaria amphibia</i> R	NA
18	7.1.148	Swamp	Seasonally-flooded tall-herb fen in topographic depression, with standing water. Mown on biennial basis (according to site interpretation board), cut previous year (no standing reed). Dominated by large sedges and grasses, mostly greater pond sedge and common reed, but with open structure and a diversity of tall forbs, including common meadow rue (Surrey Scarce).	S4, S7, S26, S28	23	NA	NA	<i>Phragmites australis</i> D, <i>Carex riparia</i> LD, <i>Phalaris arundinacea</i> LD, <i>Glyceria maxima</i> LA, <i>Deschampsia cespitosa</i> R, <i>Holcus lanatus</i> R,	<i>Symphytum officinale</i> F, <i>Urtica dioica</i> F, <i>Glechoma hederacea</i> LA, <i>Epilobium hirsutum</i> LF, <i>Filipendula ulmaria</i> LF, <i>Galium aparine</i> O, <i>Lathyrus pratensis</i> O, <i>Angelica sylvestris</i> R, <i>Calystegia sepium</i> R, <i>Cirsium arvensis</i> R, <i>Ficaria verna</i> R, <i>Lythrum salicaria</i> R, <i>Mentha aquatica</i> R, <i>Persicaria amphibia</i> R, <i>Scrophularia auriculata</i> R, <i>Silene flos-cuculi</i> R, <i>Taraxacum</i> agg. R, <i>Thalictrum flavum</i> R	NA
19	7.1.149	Broadleaved semi-natural woodland, Scattered scrub, Tall ruderal	Wet woodland in flooded area and scattered scrub colonising eutrophic tall-herb fen. Closed canopy woodland dominated by crack and purple willows, with open understorey due to flooding, with scattered emergent species such as common reed and yellow flag. Scattered scrub in common nettled-dominated tall-herb, with frequent common reed.	W6b	21	<i>Acer pseudoplatanus</i> R, <i>Crataegus monogyna</i> F, <i>Hedera helix</i> R, <i>Salix purpurea</i> A, <i>Salix x fragilis sens. lat.</i> D, <i>Salix cinerea</i> O	<i>Fraxinus excelsior</i> R, <i>Humulus lupulus</i> R, <i>Ribes nigrum</i> R, <i>Rubus caesius</i> F, <i>Solanum dulcamara</i> O, <i>Viburnum opulus</i> A	<i>Arrhenatherum elatius</i> F, <i>Carex riparia</i> LD, <i>Phragmites australis</i> LA	<i>Angelica sylvestris</i> R, <i>Glechoma hederacea</i> F, <i>Iris pseudacorus</i> R, <i>Lemna minor</i> A, <i>Urtica dioica</i> O	NA
20	7.1.156	Unimproved neutral grassland	Rank grassland dominated by tussocks of false oat-grass. Many clumps of meadow cranesbill (Surrey Scarce), with brown sedge (Surrey Scarce) at transition to flooded area of swamp to north.	MG1	4	NA	NA	<i>Arrhenatherum elatius</i> D, <i>Carex disticha</i> R	<i>Filipendula ulmaria</i> O, <i>Geranium pratense</i> LF	NA
21	7.1.151	Improved grassland	Improved grassland dominated by tussocky and thatchy grasses. Low cover by forbs, 0-20%, predominantly species tolerant of agricultural improvement, species of semi-improved grassland very rare.	NA	24	NA	NA	<i>Festuca rubra</i> D, <i>Lolium perenne</i> D, <i>Dactylis glomerata</i> F, <i>Schedonorus arundinaceus</i> F, <i>Carex acutiformis</i> LF, <i>Alopecurus pratensis</i> O, <i>Holcus lanatus</i> O, <i>Carex hirta</i> R, <i>Elytrigia repens</i> R, <i>Poa pratensis</i> R	<i>Crepis vesicaria</i> F, <i>Ranunculus acris</i> F, <i>Rumex acetosa</i> F, <i>Taraxacum</i> agg. F, <i>Trifolium repens</i> F, <i>Lathyrus pratensis</i> O, <i>Plantago lanceolata</i> O, <i>Ranunculus bulbosus</i> O, <i>Equisetum palustre</i> R, <i>Filipendula ulmaria</i> R, <i>Geranium dissectum</i> R, <i>Persicaria amphibia</i> R, <i>Trifolium pratense</i> R, <i>Vicia cracca</i> R	NA
22	7.1.152	Amenity grassland	Area of short, disturbed amenity grassland, tall ruderal and scattered scrub and planted trees, with earth mounds used by off-road cyclists.	MG7a	NA	NA	NA	NA	NA	NA



TN	Photos	Phase 1 Habitat	Description	NVC	Species	Canopy	Shrubs	Graminoids	Forbs	Bryophytes
23	7.1.153	Inundation vegetation, Marshy grassland	Extensive topographic seasonally-flooded depression bordering swamp. Muddy area with standing water dominated by creeping bent and creeping buttercup, surrounding grassland dominated by meadowsweet with large sedges.	MG13	17	NA	NA	<i>Agrostis stolonifera</i> D, <i>Poa trivialis</i> A, <i>Carex disticha</i> F, <i>Schedonorus arundinaceus</i> F, <i>Carex acutiformis</i> LA, <i>Deschampsia cespitosa</i> R	<i>Filipendula ulmaria</i> D, <i>Alopecurus pratensis</i> A, <i>Ranunculus repens</i> A, <i>Equisetum palustre</i> F, <i>Lolium perenne</i> F, <i>Rumex crispus</i> F, <i>Cardamine pratensis</i> O, <i>Lathyrus pratensis</i> O, <i>Taraxacum</i> agg. O, <i>Persicaria amphibia</i> R, <i>Ranunculus acris</i> R	NA
24	7.1.154	Unimproved neutral grassland	Forb-rich area within meadow, with cover by grasses and forbs of improved or semi-improved grassland greatly reduced compared to rest of meadow, particularly perennial rye-grass and meadow foxtail. Forb cover 70-100%, with abundant salad burnet and meadow saxifrage (Surrey Scarce) and frequent clustered bellflower, indicators of unimproved grassland.	MG5b	7	NA	NA	<i>Bromus hordeaceus</i> O, <i>Luzula campestris</i> LA	<i>Poterium sanguisorba</i> A, <i>Saxifraga granulata</i> A, <i>Campanula glomerata</i> F, <i>Hypochaeris radicata</i> O, <i>Cerastium fontanum</i> O	NA
25	7.1.150	Semi-improved neutral grassland	Meadow with abundant perennial rye-grass and red fescue, less coarse than grassland to south and less cover by forbs of improved grassland with more forbs of semi-improved grassland such as meadow vetchling. Forb cover variable, up to around 70%.	MG7d	23	NA	NA	<i>Festuca rubra</i> A, <i>Lolium perenne</i> A, <i>Alopecurus pratensis</i> F, <i>Holcus lanatus</i> F, <i>Schedonorus arundinaceus</i> F, <i>Dactylis glomerata</i> O,	<i>Ranunculus acris</i> A, <i>Ranunculus bulbosus</i> F, <i>Taraxacum</i> agg. F, <i>Trifolium repens</i> F, <i>Galium verum</i> LA, <i>Lathyrus pratensis</i> LA, <i>Vicia cracca</i> LA, <i>Filipendula ulmaria</i> LD, <i>Trifolium pratense</i> LF, <i>Plantago lanceolata</i> O, <i>Achillea millefolium</i> R, <i>Campanula glomerata</i> R, <i>Cardamine pratense</i> R, <i>Potentilla reptans</i> R, <i>Poterium sanguisorba</i> R, <i>Scorzoneroides autumnalis</i> R	NA
26	7.1.155	Unimproved neutral grassland	Forb-rich area of unimproved grassland similar to Target Note 15, dominated by salad burnet and with frequent clustered bellflower.	MG5b	24	NA	NA	<i>Festuca rubra</i> A, <i>Dactylis glomerata</i> F, <i>Lolium perenne</i> F, <i>Agrostis capillaris</i> O, <i>Avenula pubescens</i> O, <i>Bromus hordeaceus</i> O	<i>Poterium sanguisorba</i> A, <i>Campanula glomerata</i> F, <i>Ranunculus acris</i> F, <i>Ranunculus bulbosus</i> F, <i>Taraxacum</i> agg. F, <i>Trifolium pratense</i> F, <i>Trifolium repens</i> F, <i>Lathyrus pratensis</i> LF, <i>Galium verum</i> O, <i>Leucanthemum vulgare</i> O, <i>Ranunculus repens</i> O, <i>Vicia cracca</i> O, <i>Achillea millefolium</i> R, <i>Cerastium fontanum</i> R, <i>Crepis vesicaria</i> R, <i>Heracleum sphondylium</i> R, <i>Medicago lupulina</i> R, <i>Trifolium campestre</i> R	NA



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Annex D – Site Photographs

Ford Lake



Photograph 7.1.1: Unmanaged marshy grassland on northeastern valley slope. Photograph location shown in Sheet 4, Figure A7.1.6 (Ford Lake, 05/06/2018, standard lens)



Photograph 7.1.2: Improved and marshy grassland within Maddox Farm Meadows SINC. Photograph location shown in Sheet 4, Figure A7.1.6 (Ford Lake, 04/06/2018, standard lens).



Photograph 7.1.3: Flooded relict channels of the Ford Lake. Photograph location shown in Sheet 3, Figure A7.1.6 (Ford Lake, 04/06/2018, standard lens).



Photograph 7.1.4: Felled woodland in tributary valley to north of Ford Lake valley. Photograph location shown in Sheet 2, Figure A7.1.6 (Ford Lake, 05/06/2018, standard lens).



Photograph 7.1.5: Base-rich seepage area with abundant tall herbs. Photograph location shown in Sheet 1, Figure A7.1.6 (Ford Lake, 06/06/2018, standard lens).



Photograph 7.1.6: Ground flora with dense ramsons at base of valley slope. Photograph location shown in Sheet 1, Figure A7.1.6 (Ford Lake, 05/06/2018, standard lens).



Photograph 7.1.7: Common nettle and hemlock water-dropwort dominated ground flora in seepage area. Photograph location shown in Sheet 3, Figure A7.1.6 (Ford Lake, 05/06/2018, standard lens).



Photograph 7.1.8: Ferruginous stream draining pond to west of Ford Lake valley, with abundant wood club-rush. Photograph location shown in Sheet 3, Figure A7.1.6 (Ford Lake, 04/06/2018, standard lens).

Durley Hedge 1



Photograph 7.1.9: Durley Hedge 1 at point where existing pipeline crosses hedge (Target Note 1) (Durley, 08/06/2018, standard lens).



Photograph 7.1.10: Approximate 3m gap in hedge at SU5210716002 (Target Note 1) (Durley, 08/06/2018, standard lens).

Durley Hedge 2



Photograph 7.1.11: Hedgerow with trees, looking northwest. Oak-dominated hedgerow to left (Target Note 2), horse chestnut-dominated hedgerow to right (Target Note 3) (Durley, 11/09/2018, standard lens).



Photograph 7.1.12: Internal bank of hedgerow (Target Note 1) (Durley, 11/09/2018, standard lens).



Photograph 7.1.13: Hawthorn hedgerow at possible pipeline crossing (Target Note 1) (Durley, 11/09/2018, standard lens).



Photograph 7.1.14: Species-poor horse chestnut-dominated hedgerow (Target Note 3) (Durley, 11/09/2018, standard lens).



Photograph 7.1.15: Marshy grassland (Target Note 4) (Durley, 23/09/2018, standard lens).

Durley Green Lane



Photograph 7.1.16: Wet woodland (Target Note 1) (Durley, 08/06/2018, standard lens).



Photograph 7.1.17: Species-rich marshy grassland (Target Note 2) (Durley, 08/06/2018, standard lens).



Photograph 7.1.18: Species-rich marshy grassland (Target Note 2) (Durley, 08/06/2018, standard lens).

Wintershill



Photograph 7.1.19: Poor semi-improved grassland (right), tall-herb along stream (centre) and improved grassland (left), looking northwest (Durley, 07/06/2018, standard lens).

Stephen's Castle Down



Photograph 7.1.20: Species-rich rough grassland bordering arable field and species-rich hedgerow with trees (Target Notes 1 and 2) (Stephen's Castle Down, 09/08/2018, standard lens).



Photograph 7.1.21: Unimproved calcareous grassland (Target Note 4) (Stephen's Castle Down, 09/08/2018, standard lens).

Caker Stream Floodplain



Photograph 7.1.22: Rough grassland along stream and hedgerows (Caker Stream, 11/06/2018, standard lens).

Water Lane



Photograph 7.1.23: View south along lane. Grid reference SU7343137817 (Water Lane, 11/06/2018, standard lens).

Floodplain of River Wey



Photograph 7.1.24: Poor semi-improved grassland to the north of the railway, looking northwest from railway boundary. Grid reference SU7475941541 (River Wey, 06/08/2018, standard lens).



Photograph 7.1.25: Improved grassland, marginal vegetation, eutrophic running water and dense scrub, looking south from the north bank of the River Wey. Grid reference SU7470741388 (River Wey, 06/08/2018, standard lens).

Arable Weeds



Photograph 7.1.26: Area of set-aside in southern subsite, looking northeast. Grid reference SU7658143306 (Upper Froyle, 08/08/2018, standard lens).

Oak Park Golf Club



Photograph 7.1.27: Poor semi-improved grassland to the north of Oak Park Golf Club (Target Note 1) (Oak Park Golf Club, 25/06/2018, standard lens).



Photograph 7.1.28: Broadleaved plantation woodland on the golf course (Target Note 2). Grid reference SU8049648703 (Oak Park Golf Club, 25/06/2018, standard lens).

Ewshot Hedgerow



Photograph 7.1.29: Footpath through Ewshot Hedgerow. Grid reference SU8050549602 (Ewshot, 5/06/2018, standard lens).

Ewshot Meadows



Photograph 7.1.30: Rough grassland and scattered scrub. Photograph location shown in Figure A7.1.83 (Ewshot Meadows, 19/07/2018, standard lens).



Photograph 7.1.31: Tall-herb vegetation in eastern area of valley. Photograph location shown in Figure A7.1.83 (Ewshot Meadows, 19/07/2018, standard lens).



Photograph 7.1.32: Artificial pond with abundant bog pondweed. Photograph location shown in Figure A7.1.83 (Ewshot Meadows, 19/07/2018, standard lens).

Wakefords Copse



Photograph 7.1.33: Wayleave of existing Esso pipeline through Wakefords Copse, Crondall SINC (Target Note 1) (Wakefords Copse, 06/08/2018, standard lens).

Bourley and Long Valley



Photograph 7.1.34: Track looking northeast and zonation of adjacent habitats on verge, ditch and bank. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 28/06/2018, standard lens).



Photograph 7.1.35: Richer wet heath in ground hollows to north of track, with abundant Sphagnum. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 28/06/2018, standard lens).



Photograph 7.1.36: Coarse wet heath and scrape. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 28/06/2018, standard lens).



Photograph 7.1.37: Species-poor wet heath to north of track. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 22/06/2018, standard lens).



Photograph 7.1.38: Purple moor-grass grassland north of track, looking north. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 22/06/2018, standard lens).



Photograph 7.1.39: Purple moor-grass-dominated wet heath, looking northeast into woodland along existing Esso pipeline route. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 22/06/2018, standard lens).



Photograph 7.1.40: Wet woodland in valley bottom with abundant Sphagnum in ground flora. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 28/06/2018, standard lens).



Photograph 7.1.41: BLV8: Zonation of heathland habitats associated with seepage, looking northeast. Top left to right: dry dwarf shrub heath, wet dwarf shrub heath and valley mire. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 28/06/2018, standard lens).



Photograph 7.1.42: Wet woodland around where the existing Esso pipeline meets the Gelvert Stream. Photograph location shown in Sheet 4, Figure A7.1.96 (Bourley and Long Valley, 28/06/2018, standard lens).



Photograph 7.1.43: Disturbed purple moor-grass-dominated grassland along forestry ride, looking southwest from northeastern end of survey site. Photograph location shown in Sheet 5, Figure A7.1.96 (Bourley and Long Valley, 22/06/2018, standard lens).



Photograph 7.1.44: Easement (right) and thinned Scots pine plantation (left), looking northeast. Photograph location shown in Sheet 3, Figure A7.1.96 (Bourley and Long Valley, 25/06/2018, standard lens).



Photograph 7.1.45: Heathland habitats to the east of the easement, looking north, the fencing visible on the left. Acid grassland in parched, disturbed area (left) and dry dwarf shrub heath vegetation on bank (right). Photograph location shown in Sheet 3, Figure A7.1.96 (Bourley and Long Valley, 26/06/2018, standard lens).



Photograph 7.1.46: Patchy acid grassland with scattered scrub in managed area of heathland. Photograph location shown in Sheet 3, Figure A7.1.96 (Bourley and Long Valley, 27/06/2018, standard lens).



Photograph 7.1.47: Valley mire vegetation in ground hollow, with yellow flowers of bog asphodel. Photograph location shown in Sheet 3, Figure A7.1.96 (Bourley and Long Valley, 26/06/2018, standard lens).



Photograph 7.1.48: Grazed wet heath vegetation to east of valley mire. Photograph location shown in Sheet 3, Figure A7.1.96 (Bourley and Long Valley, 26/06/2018, standard lens).



Photograph 7.1.49: Swampy wet woodland along watercourse to the south of Aldershot Road. Photograph location shown in Sheet 3, Figure A7.1.96 (Bourley and Long Valley, 27/06/2018, standard lens).



Photograph 7.1.50: Tweseldown Racecourse. Heavily disturbed acid grassland within Unit 4 of Bourley and Long Valley SSSI, looking south. Planted hedgerow to right. Photograph location shown in Sheet 2, Figure A7.1.96 (Bourley and Long Valley, 29/06/2018, standard lens).



Photograph 7.1.51: Tweseldown Racecourse. Patchy species-poor acid grassland within Unit 4 of Bourley and Long Valley SSSI. Photograph location shown in Sheet 2, Figure A7.1.96 (Bourley and Long Valley, 29/06/2018, standard lens).



Photograph 7.1.52: Tweseldown Racecourse, outside Bourley and Long Valley SSSI, looking north. Large area of amenity grassland (right) and dense bracken (left). Photograph location shown in Sheet 1, Figure A7.1.96 (Bourley and Long Valley, 29/06/2018, standard lens).

Old Ively Road



Photograph 7.1.53: Bare ground within forestry plantation (Target Note 1) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.54: Acid grassland at edge of cycle path (Target Note 3) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.55: Ride dominated by purple moor-grass at edge of Pyestock Hill/Pondtail Heath SINC (Target Note 2) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.56: Ephemeral/short perennial vegetation in Cody Technology Park (Target Note 4) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.57: Woodland of birch and larch, Cody Technology Park (Target Note 5) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.58: Avenue of pedunculate oak with heathy understorey (Target Note 6) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.59: Species-rich neutral grassland along cycle path, Cody Technology Park (Target Note 7) (Old Ively Road, 02/05/2018, standard lens).



Photograph 7.1.60: Young woodland at northeastern end of cycle path, Cody Technology Park (Target Note 8) (Old Ively Road, 02/05/2018, standard lens).

Former Southwood Golf Course



Photograph 7.1.61: Woodland to south of Ively Road (Target Note 1) (Former Southwood Golf Course, 03/05/2018, standard lens).



Photograph 7.1.62: Broadleaved semi-natural woodland along boundary of the former Southwood Golf Course with Ively Road (Target Note 2) (Former Southwood Golf Course, 03/05/2018, standard lens).



Photograph 7.1.63: Stand of alder-dominated woodland to northwest of the former Southwood Golf Course (Target Note 3) (Former Southwood Golf Course, 03/05/2018, standard lens).



Photograph 7.1.64: Stand of wet woodland in eastern part of the former Southwood Golf Course (Target Note 4) (Former Southwood Golf Course, 03/05/2018, standard lens).

Cove Brook



Photograph 7.1.65: Marshy grassland (right) and poor semi-improved grassland (Target Notes 1 and 2) (Cove Brook, 01/05/2018, standard lens).



Photograph 7.1.66: Broadleaved semi-natural woodland (Target Note 3) (Cove Brook, 03/05/2018, standard lens).



Photograph 7.1.67: Marshy grassland dominated by false oat-grass (Target Note 4) (Cove Brook, 03/05/2018, standard lens).



Photograph 7.1.68: Wet woodland (Target Note 5) (Cove Brook, 03/05/2018, standard lens).



Photograph 7.1.69: Marshy and poor semi-improved grassland (Target Note 6) (Cove Brook, 03/05/2018, standard lens).

Blackwater Valley



Photograph 7.1.70: Dry dwarf shrub heath (Target Note 1) (Blackwater Valley, 21/11/2018, standard lens).



Photograph 7.1.71: Semi-improved neutral grassland (Target Note 2) (Blackwater Valley, 21/11/2018, standard lens).



Photograph 7.1.72: Reedbed/swamp vegetation (Target Note 5) (Blackwater Valley, 21/11/2018, standard lens).



Photograph 7.1.73: Wet woodland (Target Note 6) (Blackwater Valley, 21/11/2018, standard lens).



Photograph 7.1.74: Dry acidic woodland along railway line (left) (Target Note 7) (Blackwater Valley, 21/11/2018, standard lens).



Frimley Green



Photograph 7.1.75: Wet woodland at corner of Balmoral Drive and Frimley Green Road (Target Note 1) (Frimley Green, 04/05/2018, standard lens).



Photograph 7.1.76: Ornamental pond (Target Note 2) (Frimley Green, 04/05/2018, standard lens).



Photograph 7.1.77: Woodland and amenity grassland along Balmoral Drive, looking north (Target Note 3) (Frimley Green, 04/05/2018, standard lens).

Pine Ridge



Photograph 7.1.78: Dry dwarf shrub heath at Frith Hill SSSI (Target Note 2) (Pine Ridge, 17/07/2018, standard lens).



Photograph 7.1.79: Pond with invasive non-native parrot's-feather and water-primrose (Target Note 3) (Pine Ridge, 17/07/2018, standard lens).

Colony Bog and Bagshot Heath



Photograph 7.1.80: Southwestern end of route, subsite 1, looking northeast. Open area of neutral grassland adjacent to plantation woodland, with purple moor-grass dominated grassland extending north along easement of existing pipeline (left). Photograph location shown in Sheet 1, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.81: Short acid grassland by track, looking east along MoD fence. Photograph location shown in Sheet 5, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.82: Broad area of acid grassland in southwestern part of route, looking northeast. Photograph location shown in Sheet 1, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.83: View northeast over dry dwarf shrub heath of subsite 2, showing bank and MoD track. Photograph location shown in Sheet 6, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.84: Scraped/mown dry dwarf shrub heath vegetation. Photograph location shown in Sheet 6, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.85: Scrub along the MoD track in the northeastern part of subsite 2, looking east. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.86: Young birch woodland in the northeast of the subsite 2, dominated by birch. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 13/07/2018, standard lens).



Photograph 7.1.87: View southeast over Folly Bog from the MoD track, with bracken dominated slope in foreground. Areas of dense black bog-rush are visible as paler strips of vegetation. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 17/05/2018, standard lens).



Photograph 7.1.88: Patterning of vegetation within the eastern half of Folly Bog, looking east. From right to left: wet heath, darker vegetation dominated by subshrubs; short, grazed valley mire, with fruiting heads of common cottongrass (white); coarser, taller valley mire dominated by bog myrtle; black bog-rush dominated vegetation, top left, pale straw-coloured strip. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 12/07/2018, standard lens).



Photograph 7.1.89: Short open wet heath at the southwestern end of Folly Bog, looking east. Photograph location shown in Sheet 6, Figure A7.1.150 (Colony Bog and Bagshot Heath, 12/07/2018, standard lens).



Photograph 7.1.90: Rank species-poor wet heath and valley mire in the northeast of Folly Bog, looking southeast, dominated by tussocks of purple moor-grass and bog myrtle. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 12/07/2018, standard lens).



Photograph 7.1.91: Sharply-defined boundary between black bog-rush-dominated vegetation (right) and the main vegetation of the valley mire (left). Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 12/07/2018, standard lens).



Photograph 7.1.92: Open vegetation around collects and runnels in the southwest of Folly Bog, with abundant white beak-sedge. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 09/07/2018, standard lens).



*Photograph 7.1.93: Large hummocks of *Sphagnum papillosum* (orange) supporting growths of vascular plants such as cross-leaved heath (pink), meadow thistle and round-leaved sundew. Photograph location shown in Sheet 7, Figure A7.1.150 (Colony Bog and Bagshot Heath, 11/07/2018, standard lens).*



Photograph 7.1.94: MoD track through Brentmoor Heath, unit 6 of Colony Bog and Bagshot Heath SSSI, looking east. Areas of wet heath to north (left) and south (right) of track with short, disturbed wet heath vegetation dominated by purple moor-grass along track. Photograph location shown in Sheet 8, Figure A7.1.150 (Colony Bog and Bagshot Heath, 10/07/2018, standard lens).



Photograph 9.1.95: Pond within Brentmoor Heath, to the north of MoD track. Photograph location shown in Sheet 8, Figure A7.1.150 (Colony Bog and Bagshot Heath, 10/07/2018, standard lens).



Photograph 7.1.96: Cross-leaved heath and heather dominated wet heath, Brentmoor Heath, to the south of the MoD track. Photograph location shown in Sheet 8, Figure A7.1.150 (Colony Bog and Bagshot Heath, 11/07/2018, standard lens).



Photograph 7.1.97: Strips of dense common gorse along footpath, Turf Hill. Photograph location shown in Sheet 9, Figure A7.1.150 (Colony Bog and Bagshot Heath, 09/07/2018, standard lens).



Photograph 7.1.98: Mown dry dwarf shrub heath of wayleave of overhead powerlines, with abundant saplings of Scots pine. Photograph location shown in Sheet 9, Figure A7.1.150 (Colony Bog and Bagshot Heath, 09/07/2018, standard lens).



Photograph 7.1.99: Rank wet heath dominated by purple moor-grass and cross-leaved heath, eastern end of Turf Hill. Photograph location shown in Sheet 9, Figure A7.1.150. Photograph location shown in Figure A7.1.150 (Colony Bog and Bagshot Heath, 09/07/2018, standard lens).



Photograph 7.1.100: Wet heath in the valley to north of powerlines, Turf Hill, looking west. Photograph location shown in Sheet 9, Figure A7.1.150 (Colony Bog and Bagshot Heath, 10/07/2018, standard lens).



Photograph 7.1.101: Mown wet heath, looking west from eastern end of wayleave of powerlines, with abundant deergrass. Photograph location shown in Sheet 9, Figure A7.1.150 (Colony Bog and Bagshot Heath, 10/07/2018, standard lens).

Halebourne



Photograph 7.1.102: Boundary hedgerow with trees (Target Note 1) (Halebourne, 29/08/2018, standard lens).



Photograph 7.1.103: Poor semi-improved and marshy grassland (Target Note 5) (Halebourne, 29/08/2018, standard lens).



Photograph 7.1.104: Poor semi-improved grassland with scattered trees and Himalayan balsam (pink flowers, right) (Target Note 2) (Halebourne, 29/08/2018, standard lens).



Photograph 7.1.105: Hedgerow with trees (left, Target Note 3) and broad-leaved semi-natural woodland (centre and right, Target Note 4) (Halebourne, 29/08/2018, standard lens).

Chobham Common



Photograph 7.1.106: View over dry dwarf shrub heath, with scattered trees. Photograph location shown in Sheet 4, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.107: Western end of track, looking southwest. Photograph location shown in Sheet 1, Figure A7.1.165 (Chobham Common, 31/07/2018, standard lens).



Photograph 7.1.108: Species-poor mature heather-dominated dry dwarf shrub heath. Photograph location shown in Sheet 5, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.109: Dry dwarf shrub heath with cross-leaved heath, dwarf gorse, heather and purple moor-grass. Photograph location shown in Sheet 2, Figure A7.1.165 (Chobham Common, 30/07/2018, standard lens).



Photograph 7.1.110: Dry dwarf shrub heath with abundant bristle bent. Photograph location shown in Sheet 2, Figure A7.1.165 (Chobham Common, 02/08/2018, standard lens).



Photograph 7.1.111: Shortly mown dry dwarf shrub heath with bristle bent along edge of track. Photograph location shown in Sheet 4, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.112: Acid grassland dominated by bristle bent adjacent to the track. Photograph location shown in Sheet 4, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.113: Rank wet heath in valley bottom dominated by purple moor-grass with scattered heather, scrub and trees. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.114: Rank wet heath in valley bottom dominated by purple moor-grass with patches of cottongrass in damper areas. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 30/07/2018, standard lens).



Photograph 7.1.115: Wet heath vegetation dominated by cross-leaved heath. Photograph location shown in Sheet 4, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.116: Short open wet heath vegetation with abundant deergrass. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.117: Rank vegetation dominated by purple moor-grass and rushes, with abundant Sphagnum. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 01/08/2018, standard lens).



Photograph 7.1.118: Pond within wet heath, dominated by bog pondweed and bulbous rush. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 30/07/2018, standard lens).



Photograph 7.1.119: Open wet heath with abundant white beak-sedge at edge of pond area. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 31/07/2018, standard lens).



Photograph 7.1.120: Seasonal pond dominated by floating club-rush and many-stalked spikerush. Photograph location shown in Sheet 3, Figure A7.1.165 (Chobham Common, 31/07/2018, standard lens).



Photograph 7.1.121: Young woodland dominated by birch with species-poor ground layer dominated by purple moor-grass. Photograph location shown in Sheet 1, Figure A7.1.165 (Chobham Common, 02/08/2018, standard lens).

Foxhills Golf Course



Photograph 7.1.122: Marshy grassland (Target Note 1) (Foxhills Golf Course, 21/05/2018, standard lens).



Photograph 7.1.123: Dwarf shrub-heath, looking southwest (Target Note 1) (Foxhills Golf Course, 21/05/2018, standard lens).



Photograph 7.1.124: Ditches draining springline with abundant bryophytes (Target Note 2) (Foxhills Golf Course, 21/05/2018, standard lens).



Photograph 7.1.125: Pond with tall emergent vegetation and abundant macrophytes (Target Note 4) (Foxhills Golf Course, 21/05/2018, standard lens).



Photograph 7.1.126: Lined pond with rich emergent and macrophyte flora (Target Note 5) (Foxhills Golf Course, 21/05/2018, standard lens).



Photograph 7.1.127: Pedunculate oak woodland on site boundary (Target Note 6) (Foxhills Golf Course, 21/05/2018, standard lens).

Addlestone Moor



Photograph 7.1.128: Very rank marshy grassland dominated by large tussocks of soft rush. Unmanaged except for mown strip around edge (Target Note 1) (Addlestone Manor, 23/05/2018, standard lens).



Photograph 7.1.129: Overgrazed, seasonally wet grassland (Target Note 2) (Addlestone Manor, 23/05/2018, standard lens).



Photograph 7.1.130: Very coarse grass-dominated grassland with abundant sedges (Target Note 3) (Addlestone Manor, 23/05/2018, standard lens).



Photograph 7.1.131: Secondary woodland dominated by silver birch (Target Note 4) (Addlestone Manor, 23/05/2018, standard lens).



Photograph 7.1.132: Wet woodland along cycle route to east of Pannells Farm SNCI (Target Note 5) (Addlestone Manor, 23/05/2018, standard lens).



Photograph 7.1.133: Heavily disturbed ephemeral/short perennial vegetation with abundant species of dry sandy soils (Target Note 6) (Addlestone Manor, 22/05/2018, standard lens).



Photograph 7.1.134: Weedy rabbit-grazed grassland (Target Note 6) and secondary woodland (Target Note 7) (Addlestone Manor, 22/05/2018, standard lens).

Chertsey Meads



Photograph 7.1.135: Semi-improved neutral grassland (Target Note 1) (Chertsey Meads, 23/04/2018, standard lens).



Photograph 7.1.136: Semi-improved neutral grassland (Target Note 2) (Chertsey Meads, 23/04/2018, standard lens).



Photograph 7.1.137: Willow-dominated woodland along Mead Lane (Target Note 4) (Cherstey Meads, 23/04/2018, standard lens).



Photograph 7.1.138: Poor semi-improved grassland (Target Note 5) (Cherstey Meads, 23/04/2018, standard lens).



Photograph 7.1.139: Seasonally flooded grassland (Target Note 7) (Cherstey Meads, 24/04/2018, standard lens).



Photograph 7.1.140: Semi-improved neutral grassland (Target Note 6) (Cherstey Meads, 23/04/2018, standard lens).



Photograph 7.1.141: Semi-improved neutral grassland (Target Note 8) (Chertsey Meads, 24/04/2018, standard lens).



Photograph 7.1.142: Unimproved neutral grassland (Target Note 9) (Chertsey Meads, 24/04/2018, standard lens).



Photograph 7.1.143: Poor semi-improved grassland (Target Note 14) (Chertsey Meads, 24/04/2018, standard lens).



Photograph 7.1.144 Willow-dominated woodland along River Thames (Target Note 11) (Chertsey Meads, 24/04/2018, standard lens).



Photograph 7.1.145: Unimproved neutral grassland (Target Note 15) (Chertsey Meads, 24/04/2018, standard lens).



Photograph 7.1.146: Swamp vegetation dominated by large sedges (Target Note 12) (Chertsey Meads, 24/04/2018, standard lens).



Photograph 7.1.147: Inundation vegetation by the River Bourne (Target Note 18) (Chertsey Meads, 25/04/2018, standard lens).



Photograph 7.1.148: Swamp and reed-bed (Target Note 19) (Chertsey Meads, 25/04/2018, standard lens).



Photograph 7.1.149: Wet woodland and tall ruderal vegetation (Target Note 20) (Chertsey Meads, 25/04/2018, standard lens).



Photograph 7.1.150: Semi-improved neutral grassland (Target Note 26) (Chertsey Meads, 26/04/2018, standard lens).



Photograph 7.1.151: Improved grassland (Target Note 17) (Chertsey Meads, 25/04/2018, standard lens).



Photograph 7.1.152: Amenity grassland area (Target Note 23) (Chertsey Meads, 25/04/2018, standard lens).



Photograph 7.1.153: Inundation vegetation and marshy grassland at edge of swamp and reed-bed (Target Note 24) (Chertsey Meads, 26/04/2018, standard lens).



Photograph 7.1.154: Unimproved neutral grassland (Target Note 25) (Chertsey Meads, 26/04/2018, standard lens).



Photograph 7.1.155: Unimproved neutral grassland (Target Note 27) (Chertsey Meads, 26/04/2018, standard lens).



Photograph 7.1.156: Unimproved neutral grassland (Target Note 21) (Chertsey Meads, 25/04/2018, standard lens).

Dumsey Meadow



Photograph 7.1.157: Improved grassland and marginal vegetation along the River Thames (right of footpath) and unimproved neutral grassland (left of footpath). Photograph location shown in Figure A7.1.192 (Dumsey Meadow, 30/05/2018, standard lens).



Photograph 7.1.158: Wetland vegetation within topographic depression. Photograph location shown in Figure A7.1.192 (Dumsey Meadow, 01/06/2018, standard lens).



Photograph 7.1.159: Wetland vegetation in long topographic depressions (lush vegetation, middle view), semi-improved neutral grassland (foreground) and unimproved neutral grassland (distance). Photograph location shown in Figure A7.1.192 (Dumsey Meadow, 30/05/2018, standard lens).



Photograph 7.1.160: Unimproved neutral grassland with abundant salad burnet. Photograph location shown in Figure A7.1.192 (Dumsey Meadow, 31/05/2018, standard lens).

Annex E – Notable Plant Records

Table E1: Notable Plant Records Collected During Field Survey. See Table 1.1 for Legal/Conservation Statuses.

Scientific Name	Common Name	Legal/Conservation Status	Date	Site	Subsite	Grid Reference	DAFOR	Note
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	21/11/2018	Blackwater Valley	Frimley Hatches	SU8789857278	R	Edge of woodland by railway, in area disturbed by machinery
<i>Agrostis curtisii</i>	Bristle Bent	VC12 Scarce	25/06/2018	Bourley and Long Valley	North		R	
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	30/07/2018	Chobham Common	NA		F-LD	Abundant to dominant along track across common, and locally abundant in heathland
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	1	SU9109860729	LD	
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098559394	LD	
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	2	SU9175460920	A	Abundant in grassland along track
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9324061429	R	
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9255761217	LF	Along track edge
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9329961458	R	
<i>Agrostis curtisii</i>	Bristle Bent	VC12 Scarce	02/05/2018	Old Ively Road	3	SU8344853700	LD	
<i>Agrostis curtisii</i>	Bristle Bent	VC12 Scarce	02/05/2018	Old Ively Road	3	SU8349253726	LD	
<i>Agrostis curtisii</i>	Bristle Bent	VC12 Scarce	02/05/2018	Old Ively Road	3	SU8349953730	LD	
<i>Agrostis curtisii</i>	Bristle Bent	VC12 Scarce	02/05/2018	Old Ively Road	4	SU8363353950	LD	
<i>Agrostis curtisii</i>	Bristle Bent	VC12 Scarce	02/05/2018	Old Ively Road	4	SU8341853712	LD	woodland ride
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8993258399	R	
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8999558583	R	
<i>Agrostis curtisii</i>	Bristle Bent	VC17 Scarce	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8974158417	R	
<i>Anagallis tenella</i>	Bog Pimpernel	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9224561133	LF	
<i>Anagallis tenella</i>	Bog Pimpernel	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9226461101	LF	
<i>Anagallis tenella</i>	Bog Pimpernel	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0083965224	LA	Flush on slope above watercourse, among <i>Molinia</i> and sedge vegetation
<i>Anagallis tenella</i>	Bog Pimpernel	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0096465355	LA	
<i>Briza media</i>	Quaking-grass	Eng NT	09/08/2018	Stephen's Castle Down	West	SU5596221512	F	Frequency uncertain due to mowing but likely to be frequent based on unmown edges
<i>Briza media</i>	Quaking-grass	Eng NT	09/08/2018	Stephen's Castle Down	West	SU5620421344	F	Frequency uncertain due to mowing but likely to be frequent based on unmown edges
<i>Bromus commutatus</i>	Meadow Brome	VC12 Scarce	28/08/2018	Arable Weeds	South	SU7662143359	R	
<i>Bromus secalinus</i>	Rye Brome	NS, GB VU, Eng NT	28/08/2018	Arable Weeds	South	SU7662143359	R	
<i>Buxus sempervirens</i>	Box	NR	04/06/2018	Brockwood Roadside Strips	North	SU6237526009	R	Grid ref not recorded. Given grid ref is for centre of northern line of trees
<i>Callitriche brutia</i> subsp. <i>hamulata</i>	Intermediate Water-starwort	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0195665193	R	Small number of plants in pond, under reeds
<i>Calluna vulgaris</i>	Heather	Eng NT	21/11/2018	Blackwater Valley	Frimley Bridge	SU8761857071	LD	
<i>Calluna vulgaris</i>	Heather	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8286852921	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8256852460	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	25/06/2018	Bourley and Long Valley	Tweseldown North	SU8241352239	LF	Frequent along south side of hedge, and occasionally in grassland
<i>Calluna vulgaris</i>	Heather	Eng NT	30/07/2018	Chobham Common	NA		D	



Scientific Name	Common Name	Legal/Conservation Status	Date	Site	Subsite	Grid Reference	DAFOR	Note
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9103359154	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9162960891	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9113160732	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9077460440	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9103959079	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9101759218	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098859383	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9100959289	F	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9170760915	D	
<i>Calluna vulgaris</i>	Heather	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath		A	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog		F	
<i>Calluna vulgaris</i>	Heather	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill		D	
<i>Calluna vulgaris</i>	Heather	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0095665373	LD	
<i>Calluna vulgaris</i>	Heather	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0080365261	LD	
<i>Calluna vulgaris</i>	Heather	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0096465355	LD	
<i>Calluna vulgaris</i>	Heather	Eng NT	02/05/2018	Old Ively Road	2	SU8397654068	R	
<i>Calluna vulgaris</i>	Heather	Eng NT	02/05/2018	Old Ively Road	3	SU8364853825	O	
<i>Calluna vulgaris</i>	Heather	Eng NT	02/05/2018	Old Ively Road	4	SU8363053948	R	
<i>Calluna vulgaris</i>	Heather	Eng NT	02/05/2018	Old Ively Road	4	SU8339953721	R	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8999258572	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8948658195	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9070058153	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8995658228	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9009858393	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8980258421	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9019358987	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8918958032	LA	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9024658984	LF	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9055158674	LF	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9051658940	LF	
<i>Calluna vulgaris</i>	Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9055158560	LF	
<i>Campanula rotundifolia</i>	Harebell	Eng NT	09/08/2018	Stephen's Castle Down	West	SU5615721275	R	
<i>Carex acuta</i>	Slender Tufted-sedge	VC17 Scarce	23/04/2018	Chertsey Meads	9	TQ0621566277	O	
<i>Carex disticha</i>	Brown Sedge	VC17 Scarce	23/04/2018	Chertsey Meads	1		R	
<i>Carex disticha</i>	Brown Sedge	VC17 Scarce	23/04/2018	Chertsey Meads	1	TQ0556466218	R	
<i>Carex disticha</i>	Brown Sedge	VC17 Scarce	23/04/2018	Chertsey Meads	3	TQ0615266160	R	
<i>Carex disticha</i>	Brown Sedge	VC17 Scarce	23/04/2018	Chertsey Meads	9	TQ0623866193	R	
<i>Carex echinata</i>	Star Sedge	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8283153039	LF	
<i>Carex echinata</i>	Star Sedge	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8283552840	LF	
<i>Carex echinata</i>	Star Sedge	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8274452564	LF	



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<i>Carex echinata</i>	Star Sedge	Eng NT	30/07/2018	Chobham Common	NA	SU9786164174	R	Ponded of mire area by track
<i>Carex echinata</i>	Star Sedge	Eng NT	30/07/2018	Chobham Common	NA	SU9896164583	R	
<i>Carex echinata</i>	Star Sedge	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9217161076	R	
<i>Carex pulicaris</i>	Flea Sedge	VC17 Rare, Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9223761135	R	
<i>Centaureum pulchellum</i>	Lesser Centaury	VC12 Scarce	25/06/2018	Bourley and Long Valley	Tweseldown North	SU8238352209	R	Disturbed area along track
<i>Cephalanthera damasonium</i>	White Helleborine	S41, Eng VU, GB VU	22/05/2018	Addlestone Moor	2	TQ0379165894	R	One sick-looking sprayed plant in grazed horse pasture
<i>Cirsium dissectum</i>	Meadow Thistle	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9773164217	R	A few plants in rough <i>Molinia</i> dominated vegetation
<i>Cirsium dissectum</i>	Meadow Thistle	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9226461101	LF	
<i>Cirsium dissectum</i>	Meadow Thistle	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9219561063	LF	
<i>Crepis biennis</i>	Rough Hawk's-beard	VC17 Scarce	23/04/2018	Chertsey Meads	3	TQ0610966670	LF	
<i>Crepis biennis</i>	Rough Hawk's-beard	VC17 Scarce	23/04/2018	Chertsey Meads	7	TQ0601866598	LF	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	04/06/2018	Betty Munday's Bottom	Grassland	SU5836122746	A	Grid ref not obtained, plant abundant. Grid ref is for centre of site
<i>Cruciata laevipes</i>	Crosswort	Eng NT	04/06/2018	Betty Munday's Bottom	Woodland	SU5829822699	A	Grid ref not obtained, plant abundant. Grid ref is for centre of site
<i>Cruciata laevipes</i>	Crosswort	Eng NT	04/06/2018	Ford Lake	1	SU5118215266	R	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	04/06/2018	Ford Lake	3	SU5138515021	R	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	29/08/2018	Haleborne	1	SU9446362018	LA	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	29/08/2018	Haleborne	2	SU9450062020	LF	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	09/08/2018	Stephen's Castle Down	East	SU5588521473	F	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	09/08/2018	Stephen's Castle Down	West	SU5621521549	F	
<i>Cruciata laevipes</i>	Crosswort	Eng NT	09/08/2018	Stephen's Castle Down	West	SU5620421344	F	
<i>Cuscuta epithymum</i>	Dodder	GB VU, Eng VU	25/06/2018	Bourley and Long Valley	South	SU8256852421	R	
<i>Cuscuta epithymum</i>	Dodder	GB VU, Eng VU	30/07/2018	Chobham Common	NA	SU9795364204	R	On <i>Calluna</i> , elsewhere on <i>Ulex minor</i>
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	30/07/2018	Chobham Common	NA	SU9767064023	R	On <i>Calluna</i> , elsewhere on <i>Ulex minor</i>
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	17/05/2018	Colony Bog and Bagshot Heath	2	SU9185060986	R	
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9367361589	O	
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>		VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9222061096	O	
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>		VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9247761223	O	
<i>Dactylorhiza maculata</i>	Heath Spotted-orchid	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	2	SU9195061023	R	Edge of ditch along track
<i>Drosera intermedia</i>	Oblong-leaved Sundew	Eng VU	25/06/2018	Bourley and Long Valley	North	SU8279052804	LF	
<i>Drosera intermedia</i>	Oblong-leaved Sundew	Eng VU	25/06/2018	Bourley and Long Valley	South	SU8277052617	LA	
<i>Drosera intermedia</i>	Oblong-leaved Sundew	VC17 Scarce, Eng VU	30/07/2018	Chobham Common	NA	SU9787664231	R	
<i>Drosera intermedia</i>	Oblong-leaved Sundew	VC17 Scarce, Eng VU	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9308761398	LF	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8282452831	LF	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8280252609	LA	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	30/07/2018	Chobham Common	NA	SU9772064145	LF	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9216461076	LF	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9218561065	F	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9233861137	F	



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<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9259761328	F	Edge of peaty depressions along track, and locally abundant within mire
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9223561155	F	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9370561613	R	
<i>Eleocharis acicularis</i>	Needle Spike-rush	Eng NT, VC17 Rare	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9021259035	R	Small colony at edge of pond
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9807964255	LA	Edge of pond
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9777664206	LA	Around pond in valley bottom
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush	VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9302661436	R	Edge of pond
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9259661325	LA	Edge of bare peat area around pond, and locally abundant in pools within mire
<i>Eleocharis multicaulis</i>	Many-stalked Spike-rush	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9233861137	R	
<i>Eleogiton fluitans</i>	Floating Club-rush	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9777864210	LA	
<i>Eleogiton fluitans</i>	Floating Club-rush	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9807464252	LA	
<i>Erica cinerea</i>	Bell Heather	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8250352393	F	Frequent along track and within heathland
<i>Erica cinerea</i>	Bell Heather	Eng NT	25/06/2018	Bourley and Long Valley	Tweseldown North	SU8231552198	LF	Frequent along southern edge of hedge and occasional in grassland
<i>Erica cinerea</i>	Bell Heather	Eng NT	25/06/2018	Bourley and Long Valley	Tweseldown South	SU8234151807	R	Along fence, several shrubs
<i>Erica cinerea</i>	Bell Heather	Eng NT	30/07/2018	Chobham Common	NA		F	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098459104	R	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog		R	
<i>Erica cinerea</i>	Bell Heather	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill		LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0097565344	R	
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	2	SU8397954054	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	3	SU8375753918	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	3	SU8355253762	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	3	SU8349253726	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	3	SU8344653699	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	4	SU8339953721	LD	woodland ride
<i>Erica cinerea</i>	Bell Heather	Eng NT	02/05/2018	Old Ively Road	4	SU8348153747	LD	road edge bank of woodland
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8962858354	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8999258572	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9070758158	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8995558226	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8995958386	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8981958423	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8908958136	LF	



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<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9075658356	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9019358987	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9057458370	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9041359036	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9054558912	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9048158438	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9046458350	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9024758831	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9038558797	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9055158674	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9046258332	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9055358561	LF	
<i>Erica cinerea</i>	Bell Heather	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9063058514	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8285952947	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8274252551	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	30/07/2018	Chobham Common	NA		F-LA	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9211961037	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9190261054	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9190961006	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9186861121	LF	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath		A	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog		F	
<i>Erica tetralix</i>	Cross-leaved Heath	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill		LF	
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	25/06/2018	Bourley and Long Valley	North	SU8280052836	LF	In linear depressions within wet heath
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	25/06/2018	Bourley and Long Valley	South	SU8276852575	LA	
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	30/07/2018	Chobham Common	NA	SU9772664175	LA	Abundant in valley bottom area
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	30/07/2018	Chobham Common	NA	SU9883064546	LA	Abundant in zone above pond and in wet heath upstream
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	17/05/2018	Colony Bog and Bagshot Heath	2	SU9216461076	LF	
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9233861137	F-LD	
<i>Eriophorum angustifolium</i>	Common Cottongrass	Eng VU	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9371561601	LF	
<i>Euphrasia confusa</i>		VC12 Rare 1, Hants Scarce, Eng VU	25/06/2018	Bourley and Long Valley	South	SU8255652429	R	Grid ref approximate. In disturbed edge of grassland along track
<i>Filago minima</i>	Small Cudweed	Eng NT	30/07/2018	Chobham Common	NA	SU9795364204	R	On track
<i>Filago vulgaris</i>	Common Cudweed	GB NT, Eng NT	30/07/2018	Chobham Common	NA	SU9792364188	R	On track
<i>Filago vulgaris</i>	Common Cudweed	Eng NT, GB NT	02/05/2018	Old Ively Road	1	SU8380453911	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8313853158	R	By track
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8320653387	R	By track
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	04/06/2018	Brockwood Roadside Strips	North	SU6237526009	R	Grid ref not recorded. Given grid ref is for centre of northern line of trees
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9094559716	O	



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<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9099159473	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9099559388	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9095059591	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9102359040	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098459527	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9087860633	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9162960891	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9079660350	O	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9170760915	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9189360988	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9196461029	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9218561174	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	04/05/2018	Frimley Green	NA	SU8839857623	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	1	SU8383553930	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	2	SU8393354023	R	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	3	SU8357253775	F	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	3	SU8349153725	F	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	3	SU8378353929	F	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	3	SU8374253889	F	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	3	SU8332953619	F	
<i>Fragaria vesca</i>	Wild Strawberry	Eng NT	02/05/2018	Old Ively Road	4	SU8341753713	R	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	1	TQ0560866266	R	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	2	TQ0570265862	R	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	3	TQ0619966501	R	3 plants
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	3	TQ0617066645	R	4 plants
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	4	TQ0616566125	LA	1 plant
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	4	TQ0615466591	LA	40 plants
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	7	TQ0602466661	R	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	8	TQ0633766315	O	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	8	TQ0641166277	O	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	8	TQ0626366445	O	
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	8	TQ0634166447	O	1 plant
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	8	TQ0641166373	O	50 plants
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	9	TQ0639166234	O	15 plants
<i>Geranium pratense</i>	Meadow Crane's-bill	VC17 Scarce	23/04/2018	Chertsey Meads	9	TQ0626766149	O	35 plants
<i>Hottonia palustris</i>	Water-violet	Eng VU, VC17 Scarce	21/11/2018	Blackwater Valley	Frimley Hatches	SU8777457383	R	Stand at edge of lake, under willows
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0055865396	R	
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort	Eng NT	02/05/2018	Former Southwood Golf Course	West	SU8471754592	R	
<i>Isolepis setacea</i>	Bristle Club-rush	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0096465355	R	
<i>Isolepis setacea</i>	Bristle Club-rush	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0195665193	R	
<i>Knautia arvensis</i>	Field Scabious	Eng NT	04/06/2018	Betty Munday's Bottom	Grassland	SU5836122746	F	Grid ref not obtained, plant abundant. Grid ref is for centre of site
<i>Knautia arvensis</i>	Field Scabious	Eng NT	09/08/2018	Stephen's Castle Down	East	SU5588921292	R	
<i>Melampyrum pratense</i>	Common Cow-wheat	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8244452270	R	
<i>Melampyrum pratense</i>	Common Cow-wheat	Eng NT	25/06/2018	Bourley and Long Valley	Tweseldown North	SU8231552129	R	A few patches at bases of trees and sparsely in grassland



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<i>Melampyrum pratense</i>	Common Cow-wheat	Eng NT	28/08/2018	Durley Hedge 2	East	SU5212716109	R	One clump on bank
<i>Mentha arvensis</i>	Corn Mint	Eng NT	29/08/2018	Haleborne	4	SU9528662064	R	Single patch in pony pasture
<i>Myrica gale</i>	Bog-myrtle	VC12 Scarce, Eng NT	25/06/2018	Bourley and Long Valley	North	SU8283452858	LD	
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	25/06/2018	Bourley and Long Valley	North	SU8279253044	LD	
<i>Myrica gale</i>	Bog-myrtle	VC12 Scarce, Eng NT	25/06/2018	Bourley and Long Valley	South	SU8286652484	LF	
<i>Myrica gale</i>	Bog-myrtle	VC17 Rare, Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9297061480	R	
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC17 Rare	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9228161199	F-LA	
<i>Nardus stricta</i>	Mat-grass	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8269852539	F-LA	
<i>Nardus stricta</i>	Mat-grass	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8258152480	F-LA	
<i>Nardus stricta</i>	Mat-grass	Eng NT	25/06/2018	Bourley and Long Valley	Tweseldown North	SU8239152229	LF	
<i>Nardus stricta</i>	Mat-grass	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9118660744	R	
<i>Nardus stricta</i>	Mat-grass	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9209161022	R	
<i>Nardus stricta</i>	Mat-grass	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9324061429	LF	
<i>Nardus stricta</i>	Mat-grass	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9000058282	LF	
<i>Nymphoides peltata</i>	Fringed Water-lily	NS	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9021259035	LA	Small pond, status unknown
<i>Nymphoides peltata</i>	Fringed Water-lily	NS	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9017658848	LA	In pond with <i>Myriophyllum aquaticum</i> and <i>Ludwigia grandiflora</i> , possible introduction? Downstream of another pond with <i>Nymphoides</i>
<i>Osmunda regalis</i>	Royal Fern	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9219561071	R	
<i>Osmunda regalis</i>	Royal Fern	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9216761064	R	1 plant
<i>Osmunda regalis</i>	Royal Fern	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9217261072	R	2 plants
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8295153143	R	
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	04/06/2018	Ford Lake	5	SU5082315455	LA	
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	04/06/2018	Ford Lake	5	SU5089415431	LA	
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	06/08/2018	Wakefords Copse	NA	SU8188851486	F-LA	
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	06/08/2018	Wakefords Copse	NA	SU8184151470	F-LA	
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	25/06/2018	Bourley and Long Valley	North	SU8286552959	LF	
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	25/06/2018	Bourley and Long Valley	North	SU8282452831	LF	
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	25/06/2018	Bourley and Long Valley	South	SU8255352449	F	
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU, VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	2	SU9207761033	LF	
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU, VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9308761398	LF	
<i>Pedicularis sylvatica</i>	Lousewort	VC17 Scarce, Eng VU	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9213261048	F	Throughout wet heath
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	GB NT	04/06/2018	Betty Munday's Bottom	Woodland	SU5811722790	R	Single spike seen in nearby woodland by track
<i>Poa humilis</i>	Spreading Meadow-grass	VC17 Rare	22/05/2018	Addlestone Moor	2	TQ0416565698	R	Small quantity, in several of the paddocks
<i>Polygala serpyllifolia</i>	Heath Milkwort	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9118660744	R	
<i>Polygala serpyllifolia</i>	Heath Milkwort	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9172860924	R	
<i>Polygala serpyllifolia</i>	Heath Milkwort	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9240061200	R	Accurate grid reference not obtained
<i>Potamogeton pectinatus</i>	Fennel Pondweed	Hants Scarce, VC12 Scarce	06/08/2018	Floodplain of River Wey	South	SU7468141365	R	In River Wey. Grid ref is approximate
<i>Potamogeton pusillus</i>	Lesser Pondweed	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0195665193	R	One small patch in pond under reeds
<i>Potentilla anglica</i>	Trailing Tormentil	VC17 Scarce	22/05/2018	Addlestone Moor	2	TQ0396765869	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	22/05/2018	Addlestone Moor	2	TQ0395365873	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	22/05/2018	Addlestone Moor	2	TQ0416665706	R	



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<i>Potentilla erecta</i>	Tormentil	Eng NT	22/05/2018	Addlestone Moor	2	TQ0412965651	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	21/11/2018	Blackwater Valley	Frimley Hatches	SU8771057398	LA	
<i>Potentilla erecta</i>	Tormentil	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8275452815	F-LA	
<i>Potentilla erecta</i>	Tormentil	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8246052336	F-LA	Along track
<i>Potentilla erecta</i>	Tormentil	Eng NT	30/07/2018	Chobham Common	NA	SU9792364188	R	By track
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9087260049	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098159292	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9099560741	LF	Edge of track
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9124760772	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9152660855	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9109860729	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9172560926	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9220461181	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9216461076	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9254761388	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9211961037	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9267361259	F	Along track
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9249661223	F	Frequent throughout intermediate zone of valley mire
<i>Potentilla erecta</i>	Tormentil	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9304061474	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	08/06/2018	Durley Green Lane	NA	SU5230116346	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	08/06/2018	Durley Green Lane	NA	SU5226716309	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8151450540	F	
<i>Potentilla erecta</i>	Tormentil	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8139050637	F	
<i>Potentilla erecta</i>	Tormentil	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0060665362	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0076165320	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0006465180	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0096465355	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0097265371	LF	
<i>Potentilla erecta</i>	Tormentil	Eng NT	02/05/2018	Old Ively Road	4	SU8337653801	R	woodland ride
<i>Potentilla erecta</i>	Tormentil	Eng NT	02/05/2018	Old Ively Road	4	SU8339953737	R	woodland ride
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8994558527	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9089558796	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9057658472	R	
<i>Potentilla erecta</i>	Tormentil	Eng NT	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9039558289	R	
<i>Potentilla x mixta</i>	Hybrid Cinquefoil	VC12 Rare 2	25/06/2018	Bourley and Long Valley	North	SU8279652854	LA	Abundant along track edges
<i>Potentilla x mixta</i>	Hybrid Cinquefoil	VC12 Rare 2	25/06/2018	Bourley and Long Valley	South	SU8276352503	R	Small patch by heavily disturbed area
<i>Potentilla x mixta</i>	Hybrid Cinquefoil	VC12 Rare 2	19/07/2018	Ewshot Meadows	NA	SU8143650708	LF	Relatively frequent throughout site
<i>Pyrola minor</i>	Common Wintergreen	Hants Rare, VC12 Scarce, Eng NT	25/06/2018	Bourley and Long Valley	North	SU8320453335	R	50 plants on bank by track
<i>Pyrola minor</i>	Common Wintergreen	Eng NT, Hants Rare, VC12 Scarce	25/06/2018	Bourley and Long Valley	South	SU8269252687	R	By path
<i>Pyrola minor</i>	Common Wintergreen	VC17 Scarce, Eng NT	30/07/2018	Chobham Common	NA	SU9893264583	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	22/05/2018	Addlestone Moor	2	TQ0393865846	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	22/05/2018	Addlestone Moor	2	TQ0390565849	R	



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<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	22/05/2018	Addlestone Moor	2	TQ0408065710	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	22/05/2018	Addlestone Moor	2	TQ0425065754	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	22/05/2018	Addlestone Moor	2	TQ0402065820	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	25/06/2018	Bourley and Long Valley	North	SU8277652998	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	25/06/2018	Bourley and Long Valley	South	SU8283152614	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	30/07/2018	Chobham Common	NA	SU9895164566	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098459512	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	02/05/2018	Cove Brook	1	SU8546954902	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	02/05/2018	Cove Brook	1	SU8548054746	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	02/05/2018	Cove Brook	2	SU8545755479	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	08/06/2018	Durley Green Lane	NA	SU5246516469	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	08/06/2018	Durley Green Lane	NA	SU5232516544	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	08/06/2018	Durley Green Lane	NA	SU5228516336	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	08/06/2018	Durley Green Lane	NA	SU5232516360	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	19/07/2018	Ewshot Meadows	NA	SU8153150612	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	04/06/2018	Ford Lake	1	SU5128214990	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	04/06/2018	Ford Lake	2	SU5151714779	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0194165211	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0063665373	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0000165254	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0008765335	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0141665467	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0070865375	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0018965246	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0056065387	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	21/05/2018	Foxhills Golf Course	NA	TQ0141065453	LF	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	29/08/2018	Haleborne	1	SU9432662005	O	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	29/08/2018	Haleborne	1	SU9428262020	O	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	29/08/2018	Haleborne	2	SU9470762031	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9006758303	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	17/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9040758292	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	02/05/2018	Former Southwood Golf Course	East	SU8553355647	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	02/05/2018	Former Southwood Golf Course	West	SU8504554869	R	
<i>Ranunculus flammula</i>	Lesser Spearwort	Eng VU	02/05/2018	Former Southwood Golf Course	West	SU8496454800	R	
<i>Rhynchospora alba</i>	White Beak-sedge	Eng NT, VC17 Scarce	30/07/2018	Chobham Common	NA	SU9788864216	LF	Path through wet heath
<i>Rhynchospora alba</i>	White Beak-sedge	VC17 Scarce, Eng NT	30/07/2018	Chobham Common	NA	SU9774564129	LF	Ruts in wet heath
<i>Rhynchospora alba</i>	White Beak-sedge	Eng NT, VC17 Scarce	30/07/2018	Chobham Common	NA	SU9806264265	LF	Edge of flooded area of wet heath
<i>Rhynchospora alba</i>	White Beak-sedge	VC17 Scarce, Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9218561065	LA	
<i>Rhynchospora alba</i>	White Beak-sedge	Eng NT, VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9370861605	LA	
<i>Rhynchospora alba</i>	White Beak-sedge	Eng NT, VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9347561515	LA	
<i>Rorippa amphibia</i>	Great Yellow-cress	Hants Scarce, VC12 Scarce	09/07/2018	Cove Brook	3	SU8572756074	R	
<i>Salix purpurea</i>	Purple Willow	VC17 Scarce	23/04/2018	Chertsey Meads	4	TQ0629066100	R	Dominant in adjacent wet woodland
<i>Salix purpurea</i>	Purple Willow	VC17 Scarce	23/04/2018	Chertsey Meads	7	TQ0593866631	R	
<i>Salix purpurea</i>	Purple Willow	VC17 Scarce	23/04/2018	Chertsey Meads	9	TQ0639566237	R	
<i>Salix purpurea</i>	Purple Willow	VC17 Scarce	23/04/2018	Chertsey Meads	12	TQ0629966099	A	



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<i>Salix repens</i>	Creeping Willow	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8283652926	R	
<i>Salix repens</i>	Creeping Willow	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8282952927	R	
<i>Salix repens</i>	Creeping Willow	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8267852637	R	
<i>Salix repens</i>	Creeping Willow	Eng NT	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9286861329	R	
<i>Salix repens</i>	Creeping Willow	Eng NT	02/05/2018	Old Ively Road	2	SU8397954054	R	
<i>Samolus valerandi</i>	Brookweed	VC17 Rare	29/08/2018	Haleborne	4	SU9504962061	R	1 plant by pond, identified from mown-off flowering portion
<i>Sanicula europaea</i>	Sanicle	Eng NT	14/05/2018	Disused Railway	NA	SU7009935645	F	AWI
<i>Sanicula europaea</i>	Sanicle	Eng NT	28/08/2018	Durley Hedge 2	East	SU5199016060	R	In wood at southern end
<i>Sanicula europaea</i>	Sanicle	Eng NT	25/06/2017	Ewshot Hedgerow	NA	SU8055649654	F	Grid ref is site centroid
<i>Saxifraga granulata</i>	Meadow Saxifrage	VC17 Scarce	23/04/2018	Chertsey Meads	3	TQ0607766221	LA	Approx 500 flowering stems
<i>Saxifraga granulata</i>	Meadow Saxifrage	VC17 Scarce	23/04/2018	Chertsey Meads	6	TQ0572066145	LA	Approx 500 flowering stems
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	VC12 Scarce	02/05/2018	Old Ively Road	1	SU8416054130	R	
<i>Schoenus nigricans</i>	Black Bog-rush	VC17 Rare	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9228161199	LD	
<i>Senecio aquaticus</i>	Marsh Ragwort	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8156050510	O	
<i>Senecio aquaticus</i>	Marsh Ragwort	Eng NT	04/06/2018	Ford Lake	1	SU5132715105	R	
<i>Senecio aquaticus</i>	Marsh Ragwort	Eng NT	04/06/2018	Ford Lake	2	SU5144914854	LF	
<i>Senecio aquaticus</i>	Marsh Ragwort	Eng NT	04/06/2018	Ford Lake	4	SU5121515521	R	
<i>Senecio aquaticus</i>	Marsh Ragwort	Eng NT	29/08/2018	Haleborne	1	SU9442262031	O	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	23/04/2018	Chertsey Meads	4	TQ0620066091	R	2 plants
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	23/04/2018	Chertsey Meads	4	TQ0628266066	R	3 plants
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	02/05/2018	Cove Brook	1	SU8546855283	LF	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	02/05/2018	Cove Brook	1	SU8538654836	LF	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	02/05/2018	Cove Brook	2	SU8549055458	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	02/05/2018	Cove Brook	2	SU8548955488	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	02/05/2018	Cove Brook	2	SU8549555400	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	08/06/2018	Durley Green Lane	NA	SU5246516469	LF	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	08/06/2018	Durley Green Lane	NA	SU5250016457	LF	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	08/06/2018	Durley Green Lane	NA	SU5232516360	LF	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	08/06/2018	Durley Green Lane	NA	SU5235416622	LF	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	04/06/2018	Ford Lake	1	SU5143514862	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	04/06/2018	Ford Lake	1	SU5118115257	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	04/06/2018	Ford Lake	1	SU5118615211	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	04/06/2018	Ford Lake	2	SU5152814742	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	29/08/2018	Haleborne	1	SU9441362013	R	
<i>Silene flos-cuculi</i>	Ragged-Robin	Eng NT	29/08/2018	Haleborne	2	SU9452562025	R	
<i>Spergula arvensis</i>	Corn Spurrey	Eng VU, GB VU	25/06/2018	Bourley and Long Valley	Tweseldown South	SU8225451830	R	
<i>Spergula arvensis</i>	Corn Spurrey	GB VU, Eng VU	25/06/2018	Bourley and Long Valley	Tweseldown South	SU8232951835	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9103359164	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	08/06/2018	Durley Green Lane	NA	SU5230116346	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8153850461	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8138850636	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8147550671	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8145750539	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8152750451	R	
<i>Succisa pratensis</i>	Devil's-bit Scabious	Eng NT	19/07/2018	Ewshot Meadows	NA	SU8138950653	R	c11 plants



Scientific Name	Common Name	Legal/Conservation Status	Date	Site	Subsite	Grid Reference	DAFOR	Note
<i>Thalictrum flavum</i>	Common Meadow-rue	VC17 Scarce	23/04/2018	Chertsey Meads	4	TQ0619966098	R	6 plants
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	25/06/2018	Bourley and Long Valley	North	SU8280052836	LF	
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	25/06/2018	Bourley and Long Valley	South	SU8279752601	LF	Throughout wet heath
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9806364268	LA	Abundant in lower-lying parts
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	30/07/2018	Chobham Common	NA	SU9879464556	LA	Wet heath in valley bottom
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	2	SU9211961037	LF	
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9261361235	LA	
<i>Trichophorum germanicum</i>	Deergrass	VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9371561601	LF	
<i>Trifolium fragiferum</i>	Strawberry Clover	Eng VU	30/05/2018	Dumsey Meadow	NA	TQ0565066402	R	Small patch, very edge of river bank
<i>Trifolium medium</i>	Zigzag Clover	VC17 Scarce	09/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9296561380	R	In rough grassland along track
<i>Typha angustifolia</i>	Lesser Bulrush	VC17 Scarce	21/05/2018	Foxhills Golf Course	NA	TQ0055665401	R	
<i>Valeriana officinalis</i>	Common Valerian	Eng NT	23/04/2018	Chertsey Meads	9	TQ0631666304	R	2 plants at edge of reedbed
<i>Valeriana officinalis</i>	Common Valerian	Eng NT	04/06/2018	Ford Lake	3	SU5158514745	R	
<i>Valeriana officinalis</i>	Common Valerian	Eng NT	04/06/2018	Ford Lake	4	SU5124215584	R	
<i>Valeriana officinalis</i>	Common Valerian	Eng NT	04/06/2018	Ford Lake	5	SU5075715478	LA	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8315853212	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	25/06/2018	Bourley and Long Valley	North	SU8320453335	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8253652382	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8254952384	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8269652564	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	25/06/2018	Bourley and Long Valley	South	SU8247052317	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9103359154	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9103959079	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9095059591	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9160560917	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098158980	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9077760445	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9118960752	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098758912	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9098259095	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9100659314	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	1	SU9099459389	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9186660995	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9254761388	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9197561178	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9176860971	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9191761124	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	2	SU9182560946	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9252261208	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/05/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9224561133	R	



Scientific Name	Common Name	Legal/Conservation Status	Date	Site	Subsite	Grid Reference	DAFOR	Note
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	06/08/2018	Floodplain of River Wey	North	SU7473341602	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0072665371	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0078865472	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0070065376	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0188065307	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0195665257	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0199665244	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0006465180	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0164765306	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	21/05/2018	Foxhills Golf Course	NA	TQ0076165320	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	1	SU8380453911	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	1	SU8397354016	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	2	SU8410554118	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	2	SU8397954054	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	2	SU8429854238	O	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	3	SU8374553917	F	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	02/05/2018	Old Ively Road	3	SU8374653888	F	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	17/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9010758334	R	
<i>Veronica officinalis</i>	Heath Speedwell	Eng NT	01/05/2018	Queen Elizabeth Park	NA	SU8662856168	R	
<i>Veronica scutellata</i>	Marsh Speedwell	Eng NT	04/06/2018	Ford Lake	1	SU5118615211	R	

Annex F – Invasive Non-Native Plant Records

Table F1: Invasive Non-Native Species Recorded During Field Survey. See Table 1.1 for Legal Statuses

Scientific Name	Common Name	Legal Status	Date	Site	Subsite	Grid Reference	DAFOR	Status	Note
<i>Amelanchier lamarckii</i>	Juneberry	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097958779	R	Naturalised	Young bird-sown shrubs
<i>Amelanchier lamarckii</i>	Juneberry	INNS	13/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9276761295	R	Naturalised	
<i>Amelanchier lamarckii</i>	Juneberry	INNS	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9236761300	R	Naturalised	Small saplings, probably bird-sown
<i>Amelanchier lamarckii</i>	Juneberry	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9091158677	LF	Naturalised	
<i>Amelanchier lamarckii</i>	Juneberry	INNS	01/05/2018	Queen Elizabeth Park	NA	SU8666256126	R	Naturalised	Garden rubbish? Grid ref. not recorded, present on site
<i>Amelanchier lamarckii</i>	Juneberry	INNS	06/08/2018	Wakefords Copse	NA	SU8181251555	R	Naturalised	
<i>Aster</i> agg.	A Michaelmas-daisy	INNS	04/05/2018	Cove Brook	1	SU8551554933	LD		Huge colony in swampy area
<i>Aster</i> agg.	A Michaelmas-daisy	INNS	01/06/2018	Dumsey Meadow	NA	TQ0563666406	R		2 small patches by river
<i>Buddleja davidii</i>	Butterfly-bush	INNS	23/05/2018	Addlestone Moor	2	TQ0393665746	R	Naturalised	In scrub by entrance to field
<i>Buddleja davidii</i>	Butterfly-bush	INNS	28/08/2018	Arable Weeds	South	SU7662143359	F		
<i>Buddleja davidii</i>	Butterfly-bush	INNS	21/11/2018	Blackwater Valley	Frimley Hatches	SU8793857159	R		Single small plant in area of bare ground near nursery ponds
<i>Buddleja davidii</i>	Butterfly-bush	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9088860654	R	Naturalised	
<i>Buddleja davidii</i>	Butterfly-bush	INNS	13/08/2018	Colony Bog and Bagshot Heath	2	SU9214061141	R	Naturalised	Small shrub along stoney track
<i>Buddleja davidii</i>	Butterfly-bush	INNS	13/08/2018	Colony Bog and Bagshot Heath	2	SU9198461038	R	Naturalised	Small shrub along stoney track
<i>Buddleja davidii</i>	Butterfly-bush	INNS	13/08/2018	Colony Bog and Bagshot Heath	2	SU9225361235	R	Naturalised	Small shrub along stoney track
<i>Buddleja davidii</i>	Butterfly-bush	INNS	13/08/2018	Colony Bog and Bagshot Heath	2	SU9227861274	R	Naturalised	Small shrub along stoney track
<i>Buddleja davidii</i>	Butterfly-bush	INNS	28/08/2018	Durley Hedge 2	East	SU5201716062	R	Naturalised	In wood at southern end
<i>Buddleja davidii</i>	Butterfly-bush	INNS	06/08/2018	Floodplain of River Wey	North	SU7462941584	R		
<i>Buddleja davidii</i>	Butterfly-bush	INNS	04/05/2018	Old Ively Road	2	SU8429954242	R		
<i>Buddleja davidii</i>	Butterfly-bush	INNS	04/05/2018	Old Ively Road	3	SU8382953960	R		
<i>Buddleja davidii</i>	Butterfly-bush	INNS	04/05/2018	Old Ively Road	4	SU8365353852	R		
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9162960891	R	Naturalised	
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9099159473	R	Naturalised	
<i>Cotoneaster horizontalis</i>	Wall cotoneaster	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9100359364	R	Naturalised	1 bird-sown plant
<i>Cotoneaster horizontalis</i>	Wall cotoneaster	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	2	SU9188960973	R		
<i>Cotoneaster salicifolius</i>	Willow-leaved Cotoneaster	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9099159473	R	Naturalised	1 bird-sown plant
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Schedule 9	21/11/2018	Blackwater Valley	Frimley Bridge	SU8761557067	R	Naturalised	Several plants in woodland
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Schedule 9	21/11/2018	Blackwater Valley	Frimley Hatches	SU8786757163	R	Naturalised	1 plant
<i>Cotoneaster simonsii</i>	Himalayan cotoneaster	Schedule 9	04/05/2018	Frimley Green	NA	SU8854657704	R		
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	04/05/2018	Cove Brook	1	SU8548054746	LD		
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	04/05/2018	Cove Brook	1	SU8546954902	LD		
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0142565438	LD		
<i>Crassula helmsii</i>	New Zealand pigmyweed	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9021259035	LA	Naturalised	In pond
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8320753391	R		By track
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8314153171	R		
<i>Crocsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8319653315	R		By track



Scientific Name	Common Name	Legal Status	Date	Site	Subsite	Grid Reference	DAFOR	Status	Note
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8320753361	R		By track
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8323753495	R		By forestry track
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8321953365	R		By track
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8273452804	R		
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8317753287	R		By track
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	02/08/2018	Chobham Common	NA	SU9895064619	R		Small plant under alders
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9098659247	LA	Naturalised	Along track near B3015, probably arising from garden rubbish
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9095259560	LA	Naturalised	Along track near B3015, probably arising from garden rubbish
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9088059981	LA	Naturalised	Along track near B3015, probably arising from garden rubbish
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9095059591	LA	Naturalised	Along track near B3015, probably arising from garden rubbish
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9090459865	LA	Naturalised	Along track near B3015, probably arising from garden rubbish
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9089659900	LA	Naturalised	Along track near B3015, probably arising from garden rubbish
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	10/07/2018	Cove Brook	2	SU8555155593	R	Naturalised	Growing under oak tree
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	08/06/2018	Ford Lake	5	SU5042015446	R		Top of wood bank at edge of new development
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	06/08/2018	Wakefords Copse	NA	SU8180651563	R		Garden throw-outs (?) along footpath
<i>Crococsmia x crocosmiiflora</i>	Montbretia	Schedule 9	06/08/2018	Wakefords Copse	NA	SU8178851607	R		Garden throw-outs (?) along footpath
<i>Elodea</i> sp.	A waterweed	Schedule 9	29/08/2018	Haleborne	4	SU9504462082	LA		In pond, could not collect sample safely
<i>Fallopia japonica</i>	Japanese knotweed	Schedule 9	28/08/2018	Durley Hedge 2	East	SU5196116050	R		2 very small plants in shade at bottom of bank, by stream
<i>Fallopia japonica</i>	Japanese knotweed	Schedule 9	08/06/2018	Ford Lake	5	SU5034015448	R		Small stand ~3m x 1m by road, around 10 stems
<i>Galega officinalis</i>	Goat's-rue	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9098459002	R	Naturalised	Along track
<i>Galega officinalis</i>	Goat's-rue	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9098358940	R	Naturalised	Along track
<i>Gaultheria shallon</i>	Shallon	Schedule 9	13/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9337361417	R		
<i>Gaultheria shallon</i>	Shallon	Schedule 9	13/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9307561497	LA		
<i>Gaultheria shallon</i>	Shallon	Schedule 9	13/07/2018	Colony Bog and Bagshot Heath	Turf Hill	SU9321661501	R		
<i>Gaultheria shallon</i>	Shallon	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9013858711	R		
<i>Hypericum calycinum</i>	Rose-of-Sharon	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9034059085	LA	Naturalised	
<i>Impatiens capensis</i>	Orange balsam	INNS	04/05/2018	Cove Brook	1	SU8550055618	LA		
<i>Impatiens capensis</i>	Orange balsam	INNS	10/07/2018	Cove Brook	2	SU8548255483	LA		
<i>Impatiens capensis</i>	Orange balsam	INNS	09/07/2018	Cove Brook	3	SU8576255924	F		
<i>Impatiens capensis</i>	Orange balsam	INNS	09/07/2018	Cove Brook	3	SU8572756074	F		
<i>Impatiens capensis</i>	Orange balsam	INNS	04/05/2018	Former Southwood Golf Course	East	SU8557755599	R		



Scientific Name	Common Name	Legal Status	Date	Site	Subsite	Grid Reference	DAFOR	Status	Note
<i>Impatiens capensis</i>	Orange balsam	INNS	04/05/2018	Former Southwood Golf Course	East	SU8554855433	LA		
<i>Impatiens capensis</i>	Orange balsam	INNS	04/05/2018	Former Southwood Golf Course	East	SU8538654836	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	21/11/2018	Blackwater Valley	Frimley Bridge	SU8753157198	R		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	21/11/2018	Blackwater Valley	Frimley Hatches	SU8780857195	A		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	21/11/2018	Blackwater Valley	Frimley Hatches	SU8772557106	A		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	21/11/2018	Blackwater Valley	Frimley Hatches	SU8760157240	A		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	27/04/2018	Chertsey Meads	3	TQ0620266648	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	27/04/2018	Chertsey Meads	4	TQ0599265747	LA		Locally abundant along river
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	27/04/2018	Chertsey Meads	10	TQ0642665789	LA		Abundant by river
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	01/06/2018	Dumsey Meadow	NA	TQ0553266467	R		1 small stand by river
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	06/08/2018	Floodplain of River Wey	South	SU7453841233	LF		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	06/08/2018	Floodplain of River Wey	South	SU7470541380	LF		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	08/06/2018	Ford Lake	1	SU5143514862	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	08/06/2018	Ford Lake	1	SU5140114901	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	08/06/2018	Ford Lake	1	SU5134915002	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	08/06/2018	Ford Lake	2	SU5148414824	R		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	08/06/2018	Ford Lake	3	SU5138415034	LF		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	08/06/2018	Ford Lake	3	SU5156514763	LF		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0000765232	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	04/05/2018	Frimley Green	NA	SU8833957613	LD		Under trees next to community centre
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	29/08/2018	Haleborne	1	SU9445262029	LD		Abundant along stream
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	29/08/2018	Haleborne	2	SU9471662000	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	29/08/2018	Haleborne	2	SU9452561978	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	29/08/2018	Haleborne	4	SU9503662069	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	29/08/2018	Haleborne	4	SU9501962049	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	29/08/2018	Haleborne	4	SU9482462190	LA		
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	07/06/2018	Wintershill	NA	SU5360117976	LA		Damp area by hedge
<i>Impatiens glandulifera</i>	Himalayan balsam	Schedule 9	07/06/2018	Wintershill	NA	SU5355918078	LA		In roadside ditch
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	04/06/2018	Brockwood Roadside Strips	North	SU6233526035	O		1 patch, variegated
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097759263	LA	Naturalised	Probably arising from garden rubbish
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097859344	LA	Naturalised	Probably arising from garden rubbish
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9095859545	LA	Naturalised	Probably arising from garden rubbish
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9095059591	LA	Naturalised	Probably arising from garden rubbish
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9088259968	LA	Naturalised	Probably arising from garden rubbish
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097958779	LA	Naturalised	By track, probably arising from garden rubbish
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	10/07/2018	Cove Brook	2	SU8558355658	LD	Naturalised	Edge of woodland by a garden
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	01/05/2018	Queen Elizabeth Park	NA	SU8673856224	LA	Naturalised	Escaping under garden wall into woodland, forming large patches



Scientific Name	Common Name	Legal Status	Date	Site	Subsite	Grid Reference	DAFOR	Status	Note
<i>Lamiastrum galeobdolon</i> subsp. <i>argentatum</i>	Variegated yellow archangel	Schedule 9	01/05/2018	Queen Elizabeth Park	NA	SU8657956185	LA	Naturalised	
<i>Lonicera nitida</i>	Wilson's honeysuckle	INNS	04/05/2018	Frimley Green	NA	SU8839957612	R		Car park
<i>Ludwigia grandiflora</i>	Water-primrose	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9018158847	LD	Naturalised	Abundant in draw-down area of pond
<i>Myriophyllum aquaticum</i>	Parrot's-feather	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9017558848	LD		Draw-down of pond
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	23/05/2018	Addlestone Moor	NA	TQ0344166049	R	Naturalised	
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	23/05/2018	Addlestone Moor	2	TQ0427465765	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	29/06/2018	Bourley and Long Valley	Tweseldown North	SU8241651735	R		Planted along fence at edge of car park
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	04/06/2018	Brockwood Roadside Strips	South	SU6228226027	R		West end 1 bush
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	27/04/2018	Chertsey Meads	11	TQ0530865889	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097659144	R	Naturalised	Large shrub in woodland near B3015, presumably bird-sown
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097958779	R	Naturalised	1 small plant, presumably bird-sown
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	08/06/2018	Durley Green Lane	NA	SU5251816481	R	Naturalised	Small bird sown plants under trees
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	08/06/2018	Durley Hedge 1	NA	SU5203316013	R	Planted	
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	28/08/2018	Durley Hedge 2	East	SU5207016073	LD		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	28/08/2018	Durley Hedge 2	East	SU5222516239	LD		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	28/08/2018	Durley Hedge 2	East	SU5207716096	LD		Abundant in shrub layer of wood
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	08/06/2018	Ford Lake	4	SU5110715432	R	Naturalised	Small bush by road perhaps fly tipped
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	04/05/2018	Frimley Green	NA	SU8839957612	R		In hedge
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	04/05/2018	Old Ively Road	4	SU8345453767	R	Naturalised	Naturalised
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8909958097	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9074858262	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9067358927	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	01/05/2018	Queen Elizabeth Park	NA	SU8658656142	LD		Small quantity
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	04/05/2018	Former Southwood Golf Course	East	SU8537554809	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	06/08/2018	Wakefords Copse	NA	SU8187851500	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	06/08/2018	Wakefords Copse	NA	SU8180051532	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	06/08/2018	Wakefords Copse	NA	SU8179751578	R		
<i>Prunus laurocerasus</i>	Cherry laurel	INNS	07/06/2018	Wintershill	NA	SU5361417909	R		
<i>Prunus lusitanica</i>	Portugal laurel	INNS	29/06/2018	Bourley and Long Valley	North	SU8320753391	R		By track
<i>Prunus lusitanica</i>	Portugal laurel	INNS	27/04/2018	Chertsey Meads	10	TQ0643165857	LD	Planted	Planted in hedgerow
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	27/04/2018	Chertsey Meads	11	TQ0530865889	R	Naturalised	1 large clump in landscaped area
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097359274	R	Naturalised	1 clump, in woodland at edge of B3015, probably arising from garden rubbish
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9088358811	LA		
<i>Pseudosasa japonica</i>	Arrow bamboo	INNS	06/08/2018	Wakefords Copse	NA	SU8201451413	R		1 small clump in woods
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	23/05/2018	Addlestone Moor	NA	TQ0341465926	LD		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8314653461	R		By forestry track
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	29/06/2018	Bourley and Long Valley	North	SU8319653315	R		



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<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	29/06/2018	Bourley and Long Valley	South	SU8270352473	R		In heathland, scattered plants regrowing following control measures
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	29/06/2018	Bourley and Long Valley	South	SU8284852533	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	29/06/2018	Bourley and Long Valley	Tweseldown North	SU8241651735	R		Planted along fence at edge of car park
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	02/08/2018	Chobham Common	NA	SU9902364652	R		1 plant
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	02/08/2018	Chobham Common	NA	SU9746463872	R		1 plant
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9088259968	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9098259514	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9082560218	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9085860086	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9086860055	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	1	SU9080660308	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	2	SU9220961254	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	2	SU9191461168	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	2	SU9241761342	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	2	SU9232461318	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	2	SU9246161362	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/07/2018	Colony Bog and Bagshot Heath	Brentmoor Heath	SU9302161477	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9234961285	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9235961297	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9233761277	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9230261230	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9226161190	R		1 plant
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	13/08/2018	Colony Bog and Bagshot Heath	Folly Bog	SU9223561155	R		1 plant
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	10/07/2018	Cove Brook	2	SU8560455610	R	Planted	In a garden
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0098865375	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0000765232	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0095665373	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0091965376	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0169965307	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0090365486	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0119065409	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0114565392	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0076165320	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	04/05/2018	Old Ively Road	4	SU8345453767	O		Scattered through forestry plantation
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8973958158	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8907458030	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9041858231	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU8916158035	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9022458130	O		



Scientific Name	Common Name	Legal Status	Date	Site	Subsite	Grid Reference	DAFOR	Status	Note
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9067358927	O		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	20/07/2018	Pine Ridge	Pine Ridge Golf Course	SU9024458816	R		
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	01/05/2018	Queen Elizabeth Park	NA	SU8666256126	D		Dominant throughout understorey. Grid ref as for site.
<i>Rhododendron ponticum</i>	Rhododendron	Schedule 9	06/08/2018	Wakefords Copse	NA	SU8176451618	R		
<i>Rosa rugosa</i>	Japanese rose	Schedule 9	21/05/2018	Foxhills Golf Course	NA	TQ0033165422	R	Naturalised	Escaping from garden into golf course
<i>Rosa rugosa</i>	Japanese rose	Schedule 9	04/05/2018	Old Ively Road	1	SU8391253977	R	Planted	Amenity planting
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	23/05/2018	Addlestone Moor	2	TQ0427465765	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	23/05/2018	Addlestone Moor	2	TQ0370965897	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	27/04/2018	Chertsey Meads	4	TQ0625265866	LD	Naturalised	
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	27/04/2018	Chertsey Meads	4	TQ0617466130		Naturalised	
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	27/04/2018	Chertsey Meads	6	TQ50573266249	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	27/04/2018	Chertsey Meads	9	TQ0640266265	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	01/06/2018	Dumsey Meadow	NA	TQ0559266647	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	01/06/2018	Dumsey Meadow	NA	TQ0567066427	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	01/06/2018	Dumsey Meadow	NA	TQ0587966799	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	01/06/2018	Dumsey Meadow	NA	TQ0557266481	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	01/06/2018	Dumsey Meadow	NA	TQ0584266687	LD		
<i>Rubus armeniacus</i>	Himalayan giant bramble	INNS	08/06/2018	Durley Green Lane	NA	SU5234016403	R	Naturalised	Well-established stand at edge of scrub along stream
<i>Spiraea douglasii</i>	Steeplebush	INNS	21/11/2018	Blackwater Valley	Frimley Hatches	SU8762757223	R	Naturalised	1 large colony spreading in woodland
<i>Spiraea douglasii</i>	Steeplebush	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9084460145	LD	Naturalised	In woodland by track near to B3013, probably arising from garden rubbish. Covering large area, 80m along track.
<i>Spiraea douglasii</i>	Steeplebush	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9070858914	LA	Naturalised	
<i>Spiraea douglasii</i>	Steeplebush	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9072558215	LA	Naturalised	
<i>Spiraea douglasii</i>	Steeplebush	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9091458766	LA	Naturalised	
<i>Spiraea douglasii</i>	Steeplebush	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9086158826	LA	Naturalised	
<i>Symphoricarpos albus</i>	Snowberry	INNS	23/04/2018	Chertsey Meads	1	TQ0547166223	R	Planted	Planted along boundary
<i>Symphoricarpos albus</i>	Snowberry	INNS	13/08/2018	Colony Bog and Bagshot Heath	1	SU9097958779	R	Naturalised	Small clump near track, presumably arising from garden rubbish
<i>Symphoricarpos albus</i>	Snowberry	INNS	14/05/2018	Disused Railway	NA	SU7009935645	R		At N end
<i>Symphoricarpos albus</i>	Snowberry	INNS	08/06/2018	Ford Lake	1	SU5131415045	R	Naturalised	Garden rubbish
<i>Symphoricarpos albus</i>	Snowberry	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9069458916	R		
<i>Symphoricarpos albus</i>	Snowberry	INNS	20/07/2018	Pine Ridge	Frimley Fuel Allotments and Frith Hill	SU9064158947	R		
<i>Symphoricarpos albus</i>	Snowberry	INNS	01/05/2018	Queen Elizabeth Park	NA	SU8658656142	R		Small quantity
<i>Symphoricarpos albus</i>	Snowberry	INNS	06/08/2018	Wakefords Copse	NA	SU8180151625	R		
<i>Symphoricarpos albus</i>	Snowberry	INNS	06/08/2018	Wakefords Copse	NA	SU8178551612	R		



Annex G – NVC Units Recorded

Table G1: List of NVC Units Recorded During Survey

NVC Code	Plant Community Name
A16	<i>Callitriche stagnalis</i> community
A24	<i>Juncus bulbosus</i> community
CG3	<i>Bromus erectus</i> grassland
H1a	<i>Calluna vulgaris</i> - <i>Festuca ovina</i> heath, <i>Hypnum cupressiforme</i> sub-community
H1e	<i>Calluna vulgaris</i> - <i>Festuca ovina</i> heath, species-poor sub-community
H2a	<i>Calluna vulgaris</i> - <i>Ulex minor</i> heath, typical sub-community
H2c	<i>Calluna vulgaris</i> - <i>Ulex minor</i> heath, <i>Molinia caerulea</i> sub-community
H3a	<i>Ulex minor</i> - <i>Agrostis curtisii</i> heath, typical sub-community
M1	<i>Sphagnum auriculatum</i> bog pool community
M2	<i>Sphagnum cuspidatum/recurvum</i> bog pool community
M2a	<i>Sphagnum cuspidatum/recurvum</i> bog pool community, <i>Rhynchospora alba</i> sub-community
M3	<i>Eriophorum angustifolium</i> bog pool community
M6a	<i>Carex echinata</i> - <i>Sphagnum recurvum/auriculatum</i> mire, <i>Carex echinata</i> sub-community
M6c	<i>Carex echinata</i> - <i>Sphagnum recurvum/auriculatum</i> mire, <i>Juncus effusus</i> sub-community
M6d	<i>Carex echinata</i> - <i>Sphagnum recurvum/auriculatum</i> mire, <i>Juncus acutiflorus</i> sub-community
M14	<i>Schoenus nigricans</i> - <i>Narthecium ossifragum</i> mire
M16a	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath, typical sub-community
M16c	<i>Erica tetralix</i> - <i>Sphagnum compactum</i> wet heath, <i>Rhynchospora alba</i> - <i>Drosera intermedia</i> sub-community
M21	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire
M21a	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire, <i>Rhynchospora alba</i> - <i>Sphagnum auriculatum</i> sub-community
M21b	<i>Narthecium ossifragum</i> - <i>Sphagnum papillosum</i> valley mire, <i>Vaccinium oxycoccos</i> - <i>Sphagnum recurvum</i> sub-community
M23	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture
M23a	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture, <i>Juncus acutiflorus</i> sub-community
M23b	<i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture, <i>Juncus effusus</i> sub-community
M25	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire
M25a	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire, <i>Erica tetralix</i> sub-community
M25b	<i>Molinia caerulea</i> - <i>Potentilla erecta</i> mire, <i>Anthoxanthum odoratum</i> sub-community
M27b	<i>Filipendula ulmaria</i> - <i>Angelica sylvestris</i> mire, <i>Urtica dioica</i> - <i>Vicia cracca</i> sub-community
M29	<i>Hypericum elodes</i> - <i>Potamogeton polygonifolius</i> soakway
M30	Related vegetation of seasonally-inundated habitats
MG1	<i>Arrhenatherum elatius</i> grassland
MG1a	<i>Arrhenatherum elatius</i> grassland, <i>Festuca rubra</i> sub-community
MG1b	<i>Arrhenatherum elatius</i> grassland, <i>Urtica dioica</i> sub-community
MG1c	<i>Arrhenatherum elatius</i> grassland, <i>Filipendula ulmaria</i> sub-community
MG1e	<i>Arrhenatherum elatius</i> grassland, <i>Centaurea nigra</i> sub-community
MG5a	<i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland, <i>Lathyrus pratensis</i> sub-community
MG5	<i>Cynosurus cristatus</i> - <i>Centaurea nigra</i> grassland



NVC Code	Plant Community Name
MG5b	<i>Cynosurus cristatus-Centaurea nigra</i> grassland, <i>Galium verum</i> sub-community
MG5c	<i>Cynosurus cristatus-Centaurea nigra</i> grassland, <i>Danthonia decumbens</i> sub-community
MG6a	<i>Lolium perenne-Cynosurus cristatus</i> grassland, typical sub-community
MG6	<i>Lolium perenne-Cynosurus cristatus</i> grassland
MG6b	<i>Lolium perenne-Cynosurus cristatus</i> grassland, <i>Anthoxanthum odoratum</i> sub-community
MG6c	<i>Lolium perenne-Cynosurus cristatus</i> grassland, <i>Trisetum flavescens</i> sub-community
MG7	<i>Lolium perenne</i> leys and related grasslands
MG7a	<i>Lolium perenne</i> leys and related grasslands, <i>Lolium perenne-Trifolium repens</i> leys
MG7c	<i>Lolium perenne</i> leys and related grasslands, <i>Lolium perenne-Alopecurus pratensis-Festuca pratensis</i> grassland
MG7d	<i>Lolium perenne</i> leys and related grasslands, <i>Lolium perenne-Alopecurus pratensis</i> grassland
MG7e	<i>Lolium perenne</i> leys and related grasslands, <i>Lolium perenne-Plantago lanceolata</i> grassland
MG9	<i>Holcus lanatus-Deschampsia cespitosa</i> grassland
MG9a	<i>Holcus lanatus-Deschampsia cespitosa</i> grassland, <i>Poa trivialis</i> sub-community
MG10	<i>Holcus lanatus-Juncus effusus</i> rush-pasture
MG10a	<i>Holcus lanatus-Juncus effusus</i> rush-pasture, typical sub-community
MG10b	<i>Holcus lanatus-Juncus effusus</i> rush-pasture, <i>Juncus inflexus</i> sub-community
MG11	<i>Festuca rubra-Agrostis stolonifera-Potentilla anserina</i> grassland
MG11a	<i>Festuca rubra-Agrostis stolonifera-Potentilla anserina</i> grassland, <i>Lolium perenne</i> sub-community
MG12	<i>Festuca arundinacea</i> grassland
MG13	<i>Agrostis stolonifera-Alopecurus geniculatus</i> grassland
OV23b	<i>Lolium perenne-Dactylis glomerata</i> community, <i>Crepis vesicaria-Rumex obtusifolius</i> sub-community
OV23c	<i>Lolium perenne-Dactylis glomerata</i> community, <i>Plantago major-Trifolium repens</i> sub-community
OV24a	<i>Urtica dioica-Galium aparine</i> community, typical sub-community
OV24b	<i>Urtica dioica-Galium aparine</i> community, <i>Arrhenatherum elatius-Rubus fruticosus</i> agg. sub-community
OV25	<i>Urtica dioica-Cirsium arvense</i> community
OV27	<i>Epilobium angustifolium</i> community
OV28	<i>Agrostis stolonifera-Ranunculus repens</i> community
OV35	<i>Lythrum portula-Ranunculus flammula</i> community
S5a	<i>Glyceria maxima</i> swamp, <i>Glyceria maxima</i> sub-community
S4a	<i>Phragmites australis</i> swamp and reed-beds, <i>Phragmites australis</i> sub-community
S6	<i>Carex riparia</i> swamp
S7	<i>Carex acutiformis</i> swamp
S8a	<i>Scirpus lacustris</i> ssp. <i>lacustris</i> swamp, <i>Scirpus lacustris</i> ssp. <i>lacustris</i> sub-community
S12	<i>Typha latifolia</i> swamp
S19a	<i>Eleocharis palustris</i> swamp, <i>Eleocharis palustris</i> sub-community
S22a	<i>Glyceria fluitans</i> water-margin vegetation, <i>Glyceria fluitans</i> sub-community
S23	Other water-margin vegetation
S28a	<i>Phalaris arundinacea</i> tall-herb fen, <i>Phalaris arundinacea</i> sub-community
U1	<i>Festuca ovina-Agrostis capillaris-Rumex acetosella</i> grassland
U1b	<i>Festuca ovina-Agrostis capillaris-Rumex acetosella</i> grassland, typical sub-community
U2	<i>Deschampsia flexuosa</i> grassland



NVC Code	Plant Community Name
U2a	<i>Deschampsia flexuosa</i> grassland, <i>Festuca ovina</i> - <i>Agrostis capillaris</i> sub-community
U3	<i>Agrostis curtisii</i> grassland
U5	<i>Nardus stricta</i> - <i>Galium saxatile</i> grassland
U5d	<i>Nardus stricta</i> - <i>Galium saxatile</i> grassland, <i>Calluna vulgaris</i> - <i>Danthonia decumbens</i> sub-community
U20	<i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community
U20a	<i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community, <i>Anthoxanthum odoratum</i> sub-community
U20c	<i>Pteridium aquilinum</i> - <i>Galium saxatile</i> community, species-poor sub-community
W1	<i>Salix cinerea</i> - <i>Galium palustre</i> woodland
W5	<i>Alnus glutinosa</i> - <i>Carex paniculata</i> woodland
W4a	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland, <i>Dryopteris dilatata</i> - <i>Rubus fruticosus</i> sub-community
W4b	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland, <i>Juncus effusus</i> sub-community
W4c	<i>Betula pubescens</i> - <i>Molinia caerulea</i> woodland, <i>Sphagnum</i> spp. sub-community
W6	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland
W6a	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland, typical sub-community
W6b	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland, <i>Salix fragilis</i> sub-community
W6d	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland, <i>Sambucus nigra</i> sub-community
W6e	<i>Alnus glutinosa</i> - <i>Urtica dioica</i> woodland, <i>Betula pubescens</i> sub-community
W7a	<i>Alnus glutinosa</i> - <i>Fraxinus excelsior</i> - <i>Lysimachia nemorum</i> woodland, <i>Urtica dioica</i> sub-community
W7b	<i>Alnus glutinosa</i> - <i>Fraxinus excelsior</i> - <i>Lysimachia nemorum</i> woodland, <i>Carex remota</i> - <i>Cirsium palustre</i> sub-community
W7c	<i>Alnus glutinosa</i> - <i>Fraxinus excelsior</i> - <i>Lysimachia nemorum</i> woodland, <i>Deschampsia cespitosa</i> sub-community
W8b	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland, <i>Anemone nemorosa</i> sub-community
W8d	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland, <i>Hedera helix</i> sub-community
W8e	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland, <i>Geranium robertianum</i> sub-community
W8f	<i>Fraxinus excelsior</i> - <i>Acer campestre</i> - <i>Mercurialis perennis</i> woodland, <i>Allium ursinum</i> sub-community
W10	<i>Quercus robur</i> - <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> woodland
W10a	<i>Quercus robur</i> - <i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> woodland, typical sub-community
W16	<i>Quercus</i> spp.- <i>Betula</i> spp.- <i>Deschampsia flexuosa</i> woodland
W16a	<i>Quercus</i> spp.- <i>Betula</i> spp.- <i>Deschampsia flexuosa</i> woodland, <i>Quercus robur</i> sub-community
W21	<i>Crataegus monogyna</i> - <i>Hedera helix</i> scrub
W22	<i>Prunus spinosa</i> - <i>Rubus fruticosus</i> scrub
W22b	<i>Prunus spinosa</i> - <i>Rubus fruticosus</i> scrub, <i>Viola riviniana</i> - <i>Veronica chamaedrys</i> sub-community
W23	<i>Ulex europaeus</i> - <i>Rubus fruticosus</i> scrub
W24	<i>Rubus fruticosus</i> - <i>Holcus lanatus</i> underscrub
W25	<i>Pteridium aquilinum</i> - <i>Rubus fruticosus</i> underscrub



Annex H – Quadrat Results

Table H1: Quadrat Metadata

Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Ford Lake	FL1	SU5160114715	05/06/2018	NA	W7b	-	-	-	Drier area on slope above stream. Whole stand sampled.
Ford Lake	FL2	SU5152814808	05/06/2018	NA	W7a	-	-	-	Woodland on slope with gravel exposures with bryophytes, and poorly consolidated silty ground dominated by <i>Oenanthe crocata</i> and <i>Urtica dioica</i> , <i>Rubus fruticosus</i> dominating drier patches. Whole stand sampled.
Ford Lake	FL3	SU5144614928	05/06/2018	2 x 2	M23a	-	-	-	Coarse marshy grassland in opening in canopy on valley slope
Ford Lake	FL4	SU5142114952	05/06/2018	2 x 2	M23a	-	-	-	Coarse marshy grassland in opening in canopy on valley slope
Ford Lake	FL5	SU5138715028	05/06/2018	2 x 2	M23a	-	-	-	Coarse marshy grassland in opening in canopy on valley slope
Ford Lake	FL6	SU5137815075	05/06/2018	NA	W7b	-	-	-	Strong seepage on slope, open canopy with tall herb understorey, open shrub layer. Whole stand sampled.
Ford Lake	FL7	SU5071615461	06/06/2018	30 x 10	W7b	-	-	-	Flushed slope with diverse ground flora, kept open by groundwater throughput. Strong tall-herb component and open, bryophyte-rich areas. Areas to west impoverished but broadly similar in more abundant species such as <i>Carex remota</i> and <i>Lamiastrum galeobdolon</i>
Ford Lake	FL8	SU5077115475	06/06/2018	NA	W7c	-	-	-	Small stand on slope below W10, between strongly flushed areas. Whole stand sampled.
Durley Green Lane	DL1	SU5251316461	08/06/2018	2 x 2	M23a	80	0	0	Marshy grassland below low terrace above stream

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Durley Green Lane	DL2	SU5248816447	08/06/2018	2 x 2	M23a	80	0	-	-
Durley Green Lane	DL3	SU5235916378	08/06/2018	2 x 2	M23a	90	0	-	-
Durley Green Lane	DL4	SU5234916369	08/06/2018	2 x 2	M23a	100	0	-	-
Durley Green Lane	DL5	SU5233216356	08/06/2018	2 x 2	M23a	120	0	0	-
Ewshot Meadows	EM1	SU8150350603	19/07/2018	2 x 2	M27b	-	70	0	Stand in zone on slope above stream. Very rank, uncut M27/M23, overwhelmed with <i>Juncus</i> and <i>Filipendula</i> , large amount of accumulated litter.
Ewshot Meadows	EM2	SU8152150580	19/07/2018	2 x 2	M27b	-	90	0	-
Ewshot Meadows	EM3	SU8153750589	19/07/2018	2 x 2	M27b	-	90	0	-
Ewshot Meadows	EM4	SU8152950549	19/07/2018	2 x 2	M27b	-	100	0	-
Ewshot Meadows	EM5	SU8151850564	19/07/2018	2 x 2	M27b	-	100	0	-
Ewshot Meadows	EM6	SU8136450654	19/07/2018	2 x 2	MG9a	40	0	42	-
Ewshot Meadows	EM7	SU8139050637	19/07/2018	2 x 2	MG9a	55	0	42	-
Ewshot Meadows	EM8	SU8138350670	19/07/2018	2 x 2	MG9a	58	0	42	-
Ewshot Meadows	EM9	SU8140050683	19/07/2018	2 x 2	MG9a	46	0	64	-
Ewshot Meadows	EM10	SU8141950686	19/07/2018	2 x 2	MG9a	42	0	64	-
Ewshot Meadows	EM11	SU8149650585	19/07/2018	2 x 2	MG9	28	0	64	West side of valley
Ewshot Meadows	EM12	SU8150250549	19/07/2018	2 x 2	MG9	32	0	42	West side of valley
Ewshot Meadows	EM13	SU8151450540	19/07/2018	2 x 2	MG9	24	0	30	West side of valley
Ewshot Meadows	EM14	SU8155250574	19/07/2018	2 x 2	MG9	28	0	64	East side of valley
Ewshot Meadows	EM15	SU8153150612	19/07/2018	2 x 2	MG9	34	0	30	East side of valley
Ewshot Meadows	EM16	SU8135850537	20/07/2018	2 x 2	MG1	70	0	83	-
Ewshot Meadows	EM17	SU8137350547	20/07/2018	2 x 2	MG1	65	0	83	-
Ewshot Meadows	EM18	SU8139050547	20/07/2018	2 x 2	MG1	60	0	64	-
Ewshot Meadows	EM19	SU8131850564	20/07/2018	2 x 2	MG1	78	0	95	-
Ewshot Meadows	EM20	SU8159250645	20/07/2018	2 x 2	MG1	75	0	83	-
Ewshot Meadows	EM21	SU8139350571	20/07/2018	2 x 2	MG6	22	0	18	-

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Ewshot Meadows	EM22	SU8140250579	20/07/2018	2 x 2	MG6	26	0	30	-
Ewshot Meadows	EM23	SU8141950546	20/07/2018	2 x 2	MG6	20	0	7	-
Ewshot Meadows	EM24	SU8129850611	20/07/2018	2 x 2	MG6	18	0	64	-
Ewshot Meadows	EM25	SU8124350407	20/07/2018	2 x 2	MG6	18	0	2	-
Bourley and Long Valley	BLVTN1	SU8234952173	29/06/2018	2 x 2	U20a	5	65	-	Very parched patchy acid grassland
Bourley and Long Valley	BLVTN2	SU8233352154	29/06/2018	2 x 2	U1b	5	60	-	Very parched patchy acid grassland
Bourley and Long Valley	BLVTN3	SU8232652161	29/06/2018	2 x 2	U1b	2	75	-	Very parched patchy acid grassland
Bourley and Long Valley	BLVTN4	SU8232052192	29/06/2018	2 x 2	U1b	10	20	-	Very parched patchy acid grassland
Bourley and Long Valley	BLVTN5	SU8233952178	29/06/2018	2 x 2	U20a	10	35	-	Very parched patchy acid grassland
Bourley and Long Valley	BLVTN6	SU8239752219	29/06/2018	2 x 2	U1b	12	15	-	Very parched patchy acid grassland
Bourley and Long Valley	BLVTN7	SU8241452230	29/06/2018	2 x 2	U5d	10	0	-	Small area of <i>Nardus</i> grassland in undisturbed area
Bourley and Long Valley	BLVS1	SU8268752647	25/06/2018	2 x 2	M25b	45	35	-	Bottom of slope above spring, species-poor much litter
Bourley and Long Valley	BLVS2	SU8267652628	25/06/2018	2 x 2	M25b	40	10	-	-
Bourley and Long Valley	BLVS3	SU8265452585	25/06/2018	2 x 2	M25b	60	0	-	-
Bourley and Long Valley	BLVS4	SU8262352543	25/06/2018	2 x 2	M25b	50	-	-	-
Bourley and Long Valley	BLVS5	SU8256252461	25/06/2018	2 x 2	M25b	45	-	-	-
Bourley and Long Valley	BLVS6	SU8248552362	25/06/2018	2 x 2	M25b	30	40	-	Droughted area of <i>Molinia</i> grassland, disturbed toward top of hill, with several mesotrophic forbs

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Bourley and Long Valley	BLVS7	SU8260052501	26/06/2018	2 x 2	U5d	40	-	-	Low open grassy acid grassland with bare patches, transitional to <i>Molinia</i> -dominated area, due to disturbance along edge of footpath. Heavily insolated and parched, much litter, and bare ground covered in bryophytes
Bourley and Long Valley	BLVS8	SU8258852486	26/06/2018	2 x 2	U5d	20	5	-	-
Bourley and Long Valley	BLVS9	SU8255852441	26/06/2018	2 x 2	U5d	20	55	-	-
Bourley and Long Valley	BLVS10	SU8252152394	26/06/2018	2 x 2	M25b	10	20	-	-
Bourley and Long Valley	BLVS11	SU8245852327	26/06/2018	2 x 2	MG5c	25	25	-	Acid grassland grading into mesic vegetation at path edge toward hill top
Bourley and Long Valley	BLVS12	SU8276952614	26/06/2018	2 x 2	M21	20	-	-	-
Bourley and Long Valley	BLVS13	SU8278052620	26/06/2018	2 x 2	M21	-	-	-	Hummocky mire in low-lying area. very shallow peat over saturated clay
Bourley and Long Valley	BLVS14	SU8279352628	26/06/2018	2 x 2	M21	15	-	-	Some bare wet peat. Very wet, quaking surface
Bourley and Long Valley	BLVS15	SU8279352642	26/06/2018	2 x 2	M21	8	35	-	-
Bourley and Long Valley	BLVS16	SU8279652649	26/06/2018	2 x 2	M21	40	-	-	Ranker area toward outfall, becomes drier and tussocky to north
Bourley and Long Valley	BLVS17	SU8280252650	26/06/2018	4 x 4	M16a	15	8	-	Grazed wet heath
Bourley and Long Valley	BLVS18	SU8281252634	26/06/2018	4 x 4	M16a	20	6	-	-
Bourley and Long Valley	BLVS19	SU8280552552	27/06/2018	4 x 4	M16c	20	6	-	Disturbed wet heath on slope between areas of M16a
Bourley and Long Valley	BLVS20	SU8280052589	27/06/2018	4 x 4	M16a	20	-	-	Hummocky wet at transition to M21, with rich <i>Sphagnum</i> carpet

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Bourley and Long Valley	BLVS21	SU8278752564	27/06/2018	4 x 4	M16a	15	10	-	On slope above mire
Bourley and Long Valley	BLVS22	SU8270452529	27/06/2018	2 x 2	U5d	15	6	-	-
Bourley and Long Valley	BLVS23	SU8272752513	27/06/2018	2 x 2	U2	10	25	-	Degraded and grazed, regenerating H2
Bourley and Long Valley	BLVS24	SU8274352512	27/06/2018	2 x 2	U2	15	15	-	More complete ericoid cover in places, in the pioneer, building and established growth phases, but still very low and patchy
Bourley and Long Valley	BLVS25	SU8276052514	27/06/2018	2 x 2	U2	42278	30	-	Better-structured heather cover
Bourley and Long Valley	BLVS26	SU8274752504	27/06/2018	2 x 2	U2	10	30	-	-
Bourley and Long Valley	BLVS27	SU8254852364	27/06/2018	2 x 2	U2a	2	3	-	Heavily-grazed acid grassland
Bourley and Long Valley	BLVS28	SU8254352371	27/06/2018	2 x 2	U2a	43376	10	-	-
Bourley and Long Valley	BLVS29	SU8254952378	27/06/2018	2 x 2	U2a	6	2	-	-
Bourley and Long Valley	BLVS30	SU8253652375	27/06/2018	2 x 2	U2a	20	2	-	Patchily-grazed area with ungrazed <i>Molinia</i> tussocks to 30cm
Bourley and Long Valley	BLVS31	SU8253252370	27/06/2018	2 x 2	U2a	30	15	-	-
Bourley and Long Valley	BLVN1	SU8283652919	28/06/2018	4 x 4	M25a	80	-	-	Unmanaged tall <i>Molinia</i>
Bourley and Long Valley	BLVN2	SU8282752906	28/06/2018	4 x 4	M25a	70	-	-	-
Bourley and Long Valley	BLVN3	SU8280352888	28/06/2018	4 x 4	M25a	50	-	-	-
Bourley and Long Valley	BLVN4	SU8277352862	28/06/2018	4 x 4	M25a	30	-	-	Grazed, developing into M16

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Bourley and Long Valley	BLVN5	SU8275552850	28/06/2018	4 x 4	M25a	30	2	-	Grazed but quite rank and species poor
Bourley and Long Valley	BLVN6	SU8281152843	28/06/2018	4 x 4	M16a	20-30	-	-	Wet heath in trough running through rank <i>Molinia</i> grassland
Bourley and Long Valley	BLVN7	SU8280652837	28/06/2018	4 x 4	M16a	20	2	-	Very open <i>Sphagnum</i> lawn with scattered hummocks of vascular plants
Bourley and Long Valley	BLVN8	SU8277752814	28/06/2018	4 x 4	M16c	11079	6	-	As before, very open with sphagnum lawn and hummocks of vascular plants. <i>Drosera</i> spp. in lower lying patches and bare ground
Cove Brook	CBK1	SU8542855527	19/07/2018	2 x 2	MG9	30	0	-	-
Cove Brook	CBK2	SU8543855500	19/07/2018	2 x 2	MG9	50	0	-	Very rank, tussocky grassland, dominated by <i>Holcus</i>
Cove Brook	CBK3	SU8544255484	19/07/2018	2 x 2	MG10a	70	0	-	Seasonally flooded area with low growing mats of <i>Agrostis stolonifera</i> and <i>A. canina</i> , <i>Ranunculus repens</i> and <i>Galium palustre</i>
Cove Brook	CBK4	SU8542955434	19/07/2018	2 x 2	MG9	60	0	-	-
Cove Brook	CBK5	SU8542155399	19/07/2018	2 x 2	MG9	50	0	-	-
Cove Brook	CBK6	SU8538355386	19/07/2018	2 x 2	MG9	60	0	-	Tall sward with dense understorey of <i>Agrostis</i>
Cove Brook	CBK7	SU8538455493	19/07/2018	2 x 2	MG9	40	0	-	Low-growing <i>Festuca</i> -dominated sward
Cove Brook	CBK8	SU8546155523	19/07/2018	2 x 2	M23b	70	0	-	Very disturbed, weedy M23 with <i>Cirsium arvense</i> infestation in places
Cove Brook	CBK9	SU8549455452	19/07/2018	2 x 2	M23b	70	0	-	-
Colony Bog and Bagshot Heath	CB1	SU9378661631	02/08/2018	4 x 4	M25a	70	10	0	Rank <i>Molinia</i> at base of slope
Colony Bog and Bagshot Heath	CB2	SU9376361624	02/08/2018	4 x 4	M25a	50	1	55	Between CB1 and pylon
Colony Bog and Bagshot Heath	CB3	SU9370261593	02/08/2018	4 x 4	M16c	30	25	0	Mown wet heath under pylon wayleave, very open with abundant <i>Cladonia</i> .
Colony Bog and Bagshot Heath	CB4	SU9367561579	02/08/2018	4 x 4	H1a	20	10	0	Mown, short heather under wayleave

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Colony Bog and Bagshot Heath	CB5	SU9365861614	02/08/2018	4 x 4	H1a	40	0	25	Mature and degenerate heather with dead <i>Calluna</i>
Colony Bog and Bagshot Heath	CB6	SU9371061631	02/08/2018	4 x 4	M25a	50	0	75	-
Colony Bog and Bagshot Heath	CB7	SU9356861546	02/08/2018	4 x 4	H1a	10	20	2	-
Colony Bog and Bagshot Heath	CB8	SU9345161500	02/08/2018	4 x 4	H1a	30	5	0	-
Colony Bog and Bagshot Heath	CB9	SU9340261524	02/08/2018	4 x 4	M16a	40	0	75	Rank <i>Molinia</i> -dominated area at top of valley
Colony Bog and Bagshot Heath	CB10	SU9332561465	02/08/2018	4 x 4	H2c	40	5	1	<i>Ulex minor</i> rare in wider stand, prevalence of <i>Molinia</i> indicating regenerating H2c
Colony Bog and Bagshot Heath	CB11	SU9328261489	02/08/2018	4 x 4	H1a	60	0	0	Over-mature leggy heather. Area being invaded by <i>Ulex europaeus</i>
Colony Bog and Bagshot Heath	CB12	SU9308661416	02/08/2018	4 x 4	M16a	40	0	0	-
Colony Bog and Bagshot Heath	CB13	SU9305961403	02/08/2018	4 x 4	M16a	40	0	0	-
Colony Bog and Bagshot Heath	CB14	SU9305061428	02/08/2018	4 x 4	M16a	35	0	0	-
Colony Bog and Bagshot Heath	CB15	SU9311461392	02/08/2018	4 x 4	M16a	40	0	0	-
Colony Bog and Bagshot Heath	CB16	SU9302761365	02/08/2018	4 x 4	M16a	50	0	0	Coarse, rank <i>Molinia</i> sward
Colony Bog and Bagshot Heath	CB17	SU9307261343	02/08/2018	4 x 4	M16a	60	0	0	-
Colony Bog and Bagshot Heath	CB18	SU9316561377	02/08/2018	4 x 4	M16a	50	0	0	Mown and/or seeded area, dominated by <i>Erica tetralix</i> . Ericoid cover 100%
Colony Bog and Bagshot Heath	CB19	SU9212561135	02/08/2018	4 x 3	H2a	20	55	0	Open vegetation developed on steep bank north of the track
Colony Bog and Bagshot Heath	CB20	SU9208061142	02/08/2018	4 x 4	H2a	60	0	10	Mature heather

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Colony Bog and Bagshot Heath	CB21	SU9203761118	02/08/2018	4 x 4	H2a	80	0	0	Edge of mown area
Colony Bog and Bagshot Heath	CB22	SU9199861087	02/08/2018	4 x 4	H2a	80	0	0	Mature bushy heather on slope above track
Colony Bog and Bagshot Heath	CB23	SU9201161054	02/08/2018	4 x 4	H2a	70	0	0	Mature, bushy heather
Colony Bog and Bagshot Heath	CB24	SU9191460992	02/08/2018	4 x 4	H3a	60	0	0	Edge of mown area, transitional to H3
Colony Bog and Bagshot Heath	CB25	SU9186060951	02/08/2018	2 x 2	U5	0	0	0	DATA MISSING
Colony Bog and Bagshot Heath	CB26	SU9167560898	02/08/2018	2 x 2	U3	0	0	0	DATA MISSING
Colony Bog and Bagshot Heath	CB27	SU9171760912	02/08/2018	2 x 2	U3	0	0	0	DATA MISSING
Colony Bog and Bagshot Heath	CB28	SU9180760938	02/08/2018	2 x 2	U3	0	0	0	DATA MISSING
Colony Bog and Bagshot Heath	CB29	SU9256561355	12/07/2018	4 x 4	M25a	70	15	-	Very coarse, very tussocky wet heath between track and drain
Colony Bog and Bagshot Heath	CB30	SU9257561333	12/07/2018	4 X 4	M21	50	0	-	Quite dry, Myrica-dominated mire
Colony Bog and Bagshot Heath	CB31	SU9258961318	12/07/2018	4 X 4	M21	40	0	-	-
Colony Bog and Bagshot Heath	CB32	SU9260661305	12/07/2018	4 X 4	M21	45	0	-	-
Colony Bog and Bagshot Heath	CB33	SU9258861296	12/07/2018	4 X 4	M21	10	0	-	Very low and open compared with <i>Myrica</i> dominated area but similar floristically
Colony Bog and Bagshot Heath	CB34	SU9256761304	12/07/2018	4 X 4	M21	35	0	-	Dry, no hummock formation. Dense litter. Needs rewetting
Colony Bog and Bagshot Heath	CB35	SU9253861305	12/07/2018	4 X 4	M14	-	0	-	Active hummocks and pools
Colony Bog and Bagshot Heath	CB36	SU9250761228	12/07/2018	4 X 4	M21b	20	0	-	Mix of valley mire and wet heath species

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Colony Bog and Bagshot Heath	CB37	SU9249261221	12/07/2018	4 X 4	M21b	40	0	-	-
Colony Bog and Bagshot Heath	CB38	SU9248261216	12/07/2018	4 X 4	M21b	30	0	-	-
Colony Bog and Bagshot Heath	CB39	SU9244561197	12/07/2018	4 X 4	M21b	40	0	-	-
Colony Bog and Bagshot Heath	CB40	SU9240961181	12/07/2018	4 X 4	M21b	30	0	-	-
Colony Bog and Bagshot Heath	CB41	SU9231661158	12/07/2018	2 X 2	M2a	20	20	-	-
Colony Bog and Bagshot Heath	CB42	SU9232261139	12/07/2018	4 x 4	M21b	35	0	-	-
Colony Bog and Bagshot Heath	CB43	SU9228461134	13/07/2018	2 X 2	M21a	20	0	-	Edge of M14 and M21, rank with some <i>Schoenus</i> regeneration
Colony Bog and Bagshot Heath	CB44	SU9228061142	13/07/2018	2 X 2	M14	60	0	-	-
Colony Bog and Bagshot Heath	CB45	SU9230461126	13/07/2018	4 X 4	M21a	20	0	-	-
Colony Bog and Bagshot Heath	CB46	SU9230261118	13/07/2018	2 X 2	M2a	15	50	-	Edge of collect
Colony Bog and Bagshot Heath	CB47	SU9222261094	13/07/2018	2 x 2	M2a	15	70	-	Pool community around collects
Colony Bog and Bagshot Heath	CB48	SU9219561078	13/07/2018	2 X 2	M21a	30	4	-	-
Colony Bog and Bagshot Heath	CB49	SU9219361061	13/07/2018	2 X 2	M2a	30	50	-	Edge of collects by fencing
Colony Bog and Bagshot Heath	CB50	SU9232161173	13/07/2018	2 X 2	M14	40	0	-	-
Colony Bog and Bagshot Heath	CB51	SU9234461184	13/07/2018	4 x 4	M21	55	0	-	Very firm mire surface thoroughly colonised by <i>Molinia</i> and <i>Erica</i> , coarse but with carpet of <i>Sphagnum</i>

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Colony Bog and Bagshot Heath	CB52	SU9234461218	13/07/2018	4 x 4	M14	50	0	-	-
Colony Bog and Bagshot Heath	CB53	SU9238561215	13/07/2018	4 x 4	M25a	80	0	-	Drier central area of mire
Colony Bog and Bagshot Heath	CB54	SU9241861231	13/07/2018	4 x 4	M25a	70	0	-	-
Colony Bog and Bagshot Heath	CB55	SU9246361236	13/07/2018	4 x 4	M21	50	0	-	-
Colony Bog and Bagshot Heath	CB56	SU9250561325	13/07/2018	4 x 4	M25a	60	0	-	-
Chobham Common	C1	SU9882664551	31/07/2018	2 x 2	M1	60	20	-	Bog pool community at edge of ponded area
Chobham Common	C2	SU9881664555	31/07/2018	4 x 4	M25a	65	0	-	Very rank, <i>Molinia</i> -dominated valley bottom
Chobham Common	C3	SU9782464130	01/08/2018	2 x 2	M6c	75	15	-	Very very rank rushy vegetation by drain (upstream of). Ground saturated
Chobham Common	C4	SU9785064143	01/08/2018	2 x 2	M6d	65	0	-	-
Chobham Common	C5	SU9784664153	01/08/2018	2 x 2	M6c	-	150	0	-
Chobham Common	C6	SU9825764342	01/08/2018	2 x 2	M16a	45	0	-	Shallow valley
Chobham Common	C7	SU9824564342	01/08/2018	2 x 2	M25a	80	0	-	Valley bottom, rank <i>Molinia</i>
Chobham Common	C8	SU9835364353	01/08/2018	2 x 2	U3	40	40	-	Species-poor <i>Agrostis curtisii</i> grassland in mown strip by track
Chobham Common	C9	SU9831064329	01/08/2018	2 x 2	U3	50	25	-	-
Chobham Common	C10	SU9842664353	01/08/2018	4 x 4	H2c	50	2	-	Unmown area
Chobham Common	C11	SU9843964416	01/08/2018	4 x 4	H2c	40	0	-	-
Chobham Common	C12	SU9853664400	01/08/2018	4 x 4	H1a	70	0	-	Mature <i>Calluna</i> with dead stems
Chobham Common	C13	SU9852464397	01/08/2018	4 x 4	H3a	60	5	-	On slope, varied canopy structure
Chobham Common	C14	SU9853864363	01/08/2018	4 x 4	H2c	60	0	-	Mature <i>Calluna</i> on lower slope. <i>Erica tetralix</i> and <i>Molinia</i> appear
Chobham Common	C15	SU9861964459	01/08/2018	4 x 4	H3a	30	45	-	<i>Agrostis</i> heathland on bank of track
Chobham Common	C16	SU9870664545	02/08/2018	4 x 4	H1e	70	0	-	Species-poor mature <i>Calluna</i>

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Site	Quadrat	Grid Reference	Date	Quadrat Dimensions	Type	Height (cm)	Bare Ground (%)	Litter (%)	Note
Chobham Common	C17	SU9904864694	02/08/2018	50 x 50	W16a	-	-	-	Castanea woodland on slope to east of track, very sparse shrub layer. Quadrat from SU9904864694 to SU9902864656 along track (50 paces) and 50 paces east into woodland. Shrub and ground layer recorded over whole 50m as very open
Chobham Common	C18	SU9895064624	02/08/2018	NA	W7c	-	-	-	Whole stand in valley bottom north of bridge
Chobham Common	C19	SU9763364063	30/07/2018	2 x 2	H3a	30	7	2	-
Chobham Common	C20	SU9763864018	30/07/2018	2 x 2	H2c	38	3	2	-
Chobham Common	C21	SU9770464064	30/07/2018	2 x 2	H2c	40	2	2	-
Chobham Common	C22	SU9758464029	30/07/2018	2 x 2	H3a	28	3	7	-
Chobham Common	C23	SU9755264006	30/07/2018	2 x 2	H3a	35	3	3	-
Chobham Common	C24	SU9762663922	31/07/2018	2 x 2	H2c	58	0	30	-
Chobham Common	C25	SU9727863719	02/08/2018	50 x 50	W4a	-	-	-	Secondary birch woodland on slope above path
Chobham Common	C26	SU9743463884	02/08/2018	50 x 50	W10	-	-	-	Mature oak woodland up to enclosure boundary of car breaking yard
Chobham Common	C27	SU9751963839	02/08/2018	NA	W4a	-	-	-	Whole stand in bottom of small valley, with W10 on banks
Chobham Common	C28	SU9709763681	31/07/2018	2 x 2	H2c	30	3	7	-
Chobham Common	C29	SU9714463727	31/07/2018	2 x 2	H2c	34	0	30	-
Chobham Common	C30	SU9717363670	31/07/2018	2 x 2	H2c	28	63	2	Scraped area, with open bare ground but same species
Chobham Common	C31	SU9808264263	31/07/2018	2 x 2	M16c	7	63	0	-
Chobham Common	C32	SU9807064269	31/07/2018	2 x 2	M16c	6	63	0	-
Chobham Common	C33	SU9807364280	31/07/2018	2 x 2	M16a	22	0	18	-
Chobham Common	C34	SU9806664291	31/07/2018	2 x 2	M16a	25	0	30	-
Chobham Common	C35	SU9805764308	31/07/2018	2 x 2	M16a	31	0	63	-
Chobham Common	C36	SU9804764264	01/08/2018	2 x 2	M16a	20	18	7	-
Chobham Common	C37	SU9803064275	01/08/2018	2 x 2	M16a	22	3	7	-

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Chobham Common	C38	SU9882264591	01/08/2018	2 x 2	H1e	58	0	3	Over-mature <i>Calluna</i> heath with abundant <i>Hypnum jutlandicum</i>
Chobham Common	C39	SU9880764575	01/08/2018	2 x 2	M16a	30	0	30	Valley mire vegetation dominated by <i>Erica tetralix</i>
Chobham Common	C40	SU9879464556	01/08/2018	2 x 2	M25a	23	0	2	-
Chobham Common	C41	SU9877964542	01/08/2018	2 x 2	H1e	35	18	3	-
Chobham Common	C42	SU9754963974	02/08/2018	4 x 4	H3a	40	7	2	Recently cleared area 4a on map
Chobham Common	C43	SU9760264047	02/08/2018	4 x 4	H3a	40	3	3	Lower but with <i>Agrostis curtisii/Ulex minor</i>
Chobham Common	C44	SU9836064332	01/08/2018	2 x 2	H2c	34	0	30	Over-mature heath vegetation. Species poor, with mown strips winding throughout with <i>Molinia</i> dominated vegetation and little heather (firebreaks/reptile management?)
Chobham Common	C45	SU9832964310	01/08/2018	2 x 2	H2c	20	7	63	-
Chobham Common	C46	SU9831764289	01/08/2018	2 x 2	H2c	22	18	7	-
Chobham Common	C47	SU9806664251	31/08/2018	2 x 2	M30	2	18	0	Pond/marginal quadrats with low growing vegetation and bare peat
Chobham Common	C48	SU9808164257	31/08/2018	2 x 2	M30	4	42	0	Pond/marginal quadrats with low growing vegetation and bare peat
Chobham Common	C49	SU9807664257	31/08/2018	2 x 2	M30	11	7	0	Boggy pond edge habitat, possibly same as/similar to above
Chobham Common	C50	SU9807564265	31/08/2018	2 x 2	M16c	13	18	0	Boggy pond edge habitat, possibly same as/similar to above
Chobham Common	C51	SU9772864160	01/08/2018	4 x 4	M1	36	0	30	Bog pool community
Chobham Common	C52	SU9772764192	01/08/2018	4 x 4	M25a	60	0	18	M25 mire around M1
Chobham Common	C53	SU9771664198	01/08/2018	4 x 4	M16a	50	0	30	-
Chobham Common	C54	SU9771364186	01/08/2018	4 x 4	M25a	30	2	7	-
Chobham Common	C55	SU9770764178	01/08/2018	4 x 4	M25a	34	0	30	Grades into M16
Chobham Common	C55	SU9706263654	02/08/2018	2 x 2	H2c	32	0	42	Old leggy heather dominated community with all 3 ericoids and <i>Hypnum jutlandicum</i>
Chobham Common	C56	SU9774964204	01/08/2018	4 x 4	M25a	42	3	63	-

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Chobham Common	C56	SU9707163606	02/08/2018	2 x 2	H2c	46	0	42	0
Chobham Common	C57	SU9719663666	02/08/2018	2 x 2	H2c	42	3	42	Whole stand in bottom of small valley, with W10 on banks
Dumsey Meadow	DM1	TQ0559066565	31/05/2018	2 x 2	MG5b	58	0	-	Large area of MG5b but with no or very little <i>Centaurea nigra</i>
Dumsey Meadow	DM2	TQ0557166545	31/05/2018	2 x 2	MG5b	49	0	-	-
Dumsey Meadow	DM3	TQ0556166561	31/05/2018	2 x 2	MG5b	49	0	-	-
Dumsey Meadow	DM4	TQ0556266543	31/05/2018	2 x 2	MG5b	45	0	-	-
Dumsey Meadow	DM5	TQ0560566546	31/05/2018	2 x 2	MG5b	48	0	-	-
Dumsey Meadow	DM6	TQ0560466506	31/05/2018	2 x 2	MG1e	58	0	-	Main body of grassland. Very grassy, species-poor
Dumsey Meadow	DM7	TQ0565766490	31/05/2018	2 x 2	MG1e	58	0	-	-
Dumsey Meadow	DM8	TQ0569166538	31/05/2018	2 x 2	MG1e	64	0	-	Coarse and grass-dominated
Dumsey Meadow	DM9	TQ0573866540	31/05/2018	2 x 2	MG1e	65	0	-	-
Dumsey Meadow	DM10	TQ0562766625	31/05/2018	2 x 2	MG1e	62	0	-	-
Dumsey Meadow	DM11	TQ0553166579	31/05/2018	2 x 2	MG1e	62	0	-	-
Dumsey Meadow	DM12	TQ0584266792	01/06/2018	2 x 2	MG1e	55	0	-	-
Dumsey Meadow	DM13	TQ0582566721	01/06/2018	2 x 2	MG1e	73	0	-	-
Dumsey Meadow	DM14	TQ0578066701	01/06/2018	2 x 2	MG1e	73	0	-	Less Arrhenatherum - could be derived from an <i>Alopecurion</i> sward?
Dumsey Meadow	DM15	TQ0576466657	01/06/2018	2 x 2	MG11	12	0	-	Short area in seasonally flooded depression
Dumsey Meadow	DM16	TQ0568266642	01/06/2018	2 x 2	MG1e	67	0	-	-
Dumsey Meadow	DM17	TQ0574466606	01/06/2018	2 x 2	MG1e	65	0	-	-
Dumsey Meadow	DM18	TQ0580166580	01/06/2018	2 x 2	MG1e	70	0	-	-
Dumsey Meadow	DM19	TQ0579266645	01/06/2018	2 x 2	MG7d	64	0	-	Northern end of long trench 1.5m or so below surroundings
Dumsey Meadow	DM20	TQ0578266612	01/06/2018	2 x 2	MG7d	55	0	-	-
Dumsey Meadow	DM21	TQ0577966579	01/06/2018	2 x 2	MG7d	61	0	-	-
Dumsey Meadow	DM22	TQ0577366560	01/06/2018	2 x 2	MG7d	65	0	-	-

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Dumsey Meadow	DM23	TQ0586866708	01/06/2018	2 x 2	MG5b	50	0	-	Small area of MG5b on slope above path. Thinner soils?
Dumsey Meadow	DM24	TQ0576366498	01/06/2018	2 x 2	MG6c	44	0	-	Short patch on slope above path. Area above scuffed and weedy
Dumsey Meadow	DM25	TQ0570966435	01/06/2018	2 x 2	MG6c	38	0	-	-
Dumsey Meadow	DM26	TQ0568666463	01/06/2018	4 x 4	Carex acuta swamp	110	60	-	Sedge bed, abundance of litter
Dumsey Meadow	DM27	TQ0569366440	01/06/2018	2 x 2	MG6c	38	60	-	-



Table H2: Quadrat Results From Ford Lake. For Woodland Quadrats, C = Canopy Layer, S = Shrub Layer, G = Ground Layer

Taxon	M23a			W7a			W7b									W7c		
	FL3	FL4	FL5	FL2			FL1			FL6			FL7			FL8		
				C	S	G	C	S	G	C	S	G	C	S	G	C	S	G
<i>Acer campestre</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<i>Adoxa moschatellina</i>	-	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-	-
<i>Ajuga reptans</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
<i>Allium ursinum</i>	-	-	-	-	-	-	-	-	6	-	-	3	-	-	-	-	-	-
<i>Alnus glutinosa</i>	-	-	-	7	-	-	9	-	-	7	-	-	8	-	-	7	1	-
<i>Alopecurus pratensis</i>	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Anemone nemorosa</i>	-	-	-	-	-	-	-	-	5	-	-	-	-	-	3	-	-	-
<i>Aneura pinguis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
<i>Anthoxanthum odoratum</i>	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Arrhenatherum elatius</i>	7	6	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Asplenium scolopendrium</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Athyrium filix-femina</i>	-	-	-	-	-	2	-	-	-	-	-	2	-	-	3	-	-	-
<i>Betula pubescens</i>	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	7	-	-
<i>Brachypodium sylvaticum</i>	-	-	-	-	-	3	-	-	-	-	-	3	-	-	3	-	-	-
<i>Brachythecium rutabulum</i>	-	-	-	-	-	3	-	-	-	-	-	3	-	-	3	-	-	-
<i>Calliergonella cuspidata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
<i>Calystegia sepium</i>	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cardamine flexuosa</i>	-	-	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-	-
<i>Carex acutiformis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
<i>Carex hirta</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex pendula</i>	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
<i>Carex remota</i>	-	-	-	-	-	2	-	-	1	-	-	-	-	-	5	-	-	2
<i>Chiloscyphus polyanthos</i>	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
<i>Chrysosplenium oppositifolium</i>	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-

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	FL3	FL4	FL5	FL2			FL1			FL6			FL7			FL8		
				C	S	G	C	S	G	C	S	G	C	S	G	C	S	G
<i>Circaea lutetiana</i>	-	-	-	-	-	-	-	-	4	-	-	4	-	-	3	-	-	-
<i>Cirsium arvense</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Corylus avellana</i>	-	-	-	-	7	-	-	6	-	-	1	-	-	6	-	-	5	-
<i>Crataegus monogyna</i>	-	-	-	-	1	-	-	2	-	-	1	-	-	1	-	-	-	-
<i>Dactylis glomerata</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Dryopteris borrieri</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Dryopteris carthusiana</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
<i>Dryopteris dilatata</i>	-	-	-	-	-	3	-	-	1	-	-	-	-	-	3	-	-	4
<i>Dryopteris filix-mas</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Epilobium montanum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Festuca rubra</i>	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Filipendula ulmaria</i>	9	9	7	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Frangula alnus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
<i>Fraxinus excelsior</i>	-	-	-	4	5	-	4	-	3	3	2	-	4	-	-	-	-	-
<i>Galium aparine</i>	-	-	-	-	-	3	-	-	2	-	-	4	-	-	-	-	-	-
<i>Geranium robertianum</i>	-	-	-	-	-	3	-	-	-	-	-	3	-	-	3	-	-	-
<i>Geum urbanum</i>	-	-	-	-	-	3	-	-	-	-	-	3	-	-	3	-	-	1
<i>Glyceria fluitans</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	2
<i>Hedera helix</i>	-	-	-	-	3	8	-	-	6	-	-	-	-	3	5	-	-	7
<i>Holcus lanatus</i>	4	3	7	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
<i>Holcus mollis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
<i>Hyacinthoides non-scripta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
<i>Hypericum tetrapterum</i>	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ilex aquifolium</i>	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-	-	-
<i>Impatiens glandulifera</i>	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-

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	FL3	FL4	FL5	FL2			FL1			FL6			FL7			FL8			
				C	S	G	C	S	G	C	S	G	C	S	G	C	S	G	
<i>Iris pseudacorus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
<i>Juncus acutiflorus</i>	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Juncus effusus</i>	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	
<i>Kindbergia praelonga</i>	-	-	-	-	-	2	-	-	-	-	-	3	-	-	3	-	-	4	
<i>Lamiastrum galeobdolon</i> subsp. <i>montanum</i>	-	-	-	-	-	-	-	-	3	-	-	3	-	-	8	-	-	-	
<i>Lapsana communis</i>	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
<i>Lathyrus pratensis</i>	3	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Lonicera periclymenum</i>	-	-	-	-	3	-	-	-	-	-	3	-	-	3	-	-	2	3	
<i>Lophocolea bidentata</i>	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Lysimachia nemorum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	
<i>Lysimachia nummularia</i>	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	
<i>Mnium hornum</i>	-	-	-	-	-	3	-	-	-	-	-	-	-	-	2	-	-	-	
<i>Oenanthe crocata</i>	-	-	-	-	-	5	-	-	-	-	-	7	-	-	-	-	-	-	
<i>Oxalis acetosella</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	6	
<i>Phalaris arundinacea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	
<i>Poa trivialis</i>	2	-	4	-	-	3	-	-	-	-	-	3	-	-	-	-	-	-	
<i>Polygonatum multiflorum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
<i>Potentilla reptans</i>	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Prunus spinosa</i>	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Quercus robur</i>	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	
<i>Ranunculus repens</i>	-	-	4	-	-	-	-	-	-	-	-	6	-	-	2	-	-	-	
<i>Rhizomnium punctatum</i>	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Ribes rubrum</i>	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
<i>Rubus fruticosus</i> agg.	-	1	-	-	8	-	-	-	-	-	7	-	-	5	-	-	6	-	
<i>Rumex acetosa</i>	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	FL3	FL4	FL5	FL2			FL1			FL6			FL7			FL8			
				C	S	G	C	S	G	C	S	G	C	S	G	C	S	G	
<i>Rumex sanguineus</i>	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Salix cinerea</i>	-	-	-	-	2	-	-	-	-	-	-	4	-	-	-	-	-	-	-
<i>Salix x fragilis sens. lat.</i>	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
<i>Sambucus nigra</i>	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
<i>Schedonorus giganteus</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Schedonorus pratensis</i>	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sorbus aucuparia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Stellaria alsine</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Stellaria graminea</i>	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Stellaria holostea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	4
<i>Urtica dioica</i>	-	-	-	-	-	5	-	-	-	-	-	6	-	-	-	-	-	-	-
<i>Valeriana officinalis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
<i>Veronica montana</i>	-	-	-	-	-	2	-	-	-	-	-	7	-	-	4	-	-	-	-



Table H3: Quadrat Results From Durley Green Lane

Taxon	M23a				
	DL1	DL2	DL3	DL4	DL5
<i>Agrostis stolonifera</i>	3	3	2	1	-
<i>Anthoxanthum odoratum</i>	4	4	4	4	5
<i>Brachythecium rutabulum</i>	-	-	-	2	-
<i>Calliergonella cuspidata</i>	-	-	3	3	3
<i>Caltha palustris</i>	-	-	-	7	9
<i>Cardamine pratensis</i>	-	1	-	1	1
<i>Carex hirta</i>	2	-	-	-	-
<i>Carex laevigata</i>	-	-	-	2	-
<i>Carex leporina</i>	-	1	-	-	-
<i>Cerastium fontanum</i>	-	1	-	-	-
<i>Cirsium palustre</i>	2	3	4	4	-
<i>Cynosurus cristatus</i>	3	-	4	-	-
<i>Dactylorhiza fuchsii</i>	-	-	1	-	-
<i>Epilobium palustre</i>	-	-	-	-	2
<i>Epilobium tetragonum</i>	1	-	-	2	-
<i>Equisetum fluviatile</i>	-	-	3	4	2
<i>Festuca rubra</i>	6	5	-	-	-
<i>Galium palustre</i>	-	-	3	4	3
<i>Glyceria fluitans</i>	-	-	3	2	3
<i>Holcus lanatus</i>	5	4	6	6	8
<i>Hypericum tetrapterum</i>	-	-	-	1	-
<i>Juncus acutiflorus</i>	8	8	8	7	7
<i>Juncus conglomeratus</i>	1	3	-	-	-
<i>Juncus effusus</i>	6	5	5	7	6
<i>Lathyrus pratensis</i>	4	4	1	3	-

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Taxon	M23a				
	DL1	DL2	DL3	DL4	DL5
<i>Lotus pedunculatus</i>	-	4	5	4	-
<i>Luzula campestris</i>	-	3	-	-	-
<i>Poa trivialis</i>	3	-	2	3	3
<i>Prunella vulgaris</i>	-	-	-	1	-
<i>Ranunculus acris</i>	2	4	4	4	4
<i>Ranunculus flammula</i>	2	-	1	3	4
<i>Ranunculus repens</i>	8	8	6	6	5
<i>Rumex acetosa</i>	3	3	2	3	3
<i>Rumex conglomeratus</i>	1	-	-	1	2
<i>Schedonorus pratensis</i>	-	2	-	-	-
<i>Silene flos-cuculi</i>	-	-	3	4	3
<i>Stellaria alsine</i>	-	-	1	1	1
<i>Stellaria graminea</i>	8	1	-	2	-
<i>Taraxacum</i> agg.	-	1	-	-	-
<i>Trifolium repens</i>	3	-	-	-	-



Table H4: Quadrat Results From Ewshot Meadows

Taxon	MG1					MG6					MG9					MG9a					M27					
	EM16	EM17	EM18	EM19	EM20	EM21	EM22	EM23	EM24	EM25	EM11	EM12	EM13	EM14	EM15	EM6	EM7	EM8	EM9	EM10	EM1	EM2	EM3	EM4	EM5	
<i>Achillea ptarmica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
<i>Agrimonia eupatoria</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-
<i>Agrostis capillaris</i>	-	-	-	-	-	38	7	8	8	8	8	8	8	8	7	3	4	4	4	5	-	-	-	-	-	-
<i>Agrostis stolonifera</i>	-	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	3	3	-	-
<i>Alopecurus pratensis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-
<i>Angelica sylvestris</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2
<i>Anthoxanthum odoratum</i>	-	-	-	-	-	7	7	8	4	5	4	5	5	4	5	4	3	-	-	4	1	-	-	-	-	-
<i>Arrhenatherum elatius</i>	10	10	10	10	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	-	-	-
<i>Betonica officinalis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Betula pendula</i>	-	-	-	-	-	-	-	-	-	-	6	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
<i>Brachytecium rutabulum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Carex flacca</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
<i>Carex hirta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	3	3	1	-	1	-	-	2
<i>Centaurea nigra</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cirsium arvense</i>	-	2	-	2	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-
<i>Cirsium palustre</i>	-	-	-	-	-	-	-	-	-	-	-	1	2	1	2	-	1	-	3	-	-	4	-	-	-	1
<i>Dactylis glomerata</i>	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<i>Deschampsia cespitosa</i>	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	3	8	7	3	-	1	-	-	-	4
<i>Elytrigia repens</i>	7	7	7	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Epilobium parviflorum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<i>Epilobium tetragonum</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	2	2	2	2	-	-	-	-	-	-
<i>Equisetum arvense</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-

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Taxon	MG1					MG6					MG9					MG9a					M27					
	EM16	EM17	EM18	EM19	EM20	EM21	EM22	EM23	EM24	EM25	EM11	EM12	EM13	EM14	EM15	EM6	EM7	EM8	EM9	EM10	EM1	EM2	EM3	EM4	EM5	
<i>Festuca rubra</i>	-	-	-	-	-	-	5	4	-	3	-	-	-	-	-	2	3	-	-	-	1	-	-	-	-	
<i>Filipendula ulmaria</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	8	6	8	8	6	
<i>Fraxinus excelsior</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
<i>Galeopsis tetrahit</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
<i>Galium aparine</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3	2	3	3	2	-	-	1	1	1	
<i>Galium palustre</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	
<i>Holcus lanatus</i>	-	-	-	-	2	3	4	4	5	5	8	8	8	8	8	4	3	4	3	7	6	4	2	5	3	
<i>Holcus mollis</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Hypericum tetrapterum</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	
<i>Juncus acutiflorus</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	7	7	-	-	4	8	7	7	7	6	
<i>Juncus conglomeratus</i>	-	-	-	-	-	-	-	-	2	-	2	-	3	2	3	-	-	4	3	-	-	-	1	3	7	
<i>Juncus effusus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	5	3	-	-	-	-	-	-	-	
<i>Lathyrus pratensis</i>	-	-	-	-	-	-	-	-	4	1	-	-	-	-	-	3	-	-	-	-	3	-	2	1	-	
<i>Lotus pedunculatus</i>	-	-	-	-	-	-	-	-	-	-	-	1	1	3	2	-	-	-	-	-	3	-	-	-	2	
<i>Mentha aquatica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	2	3	-	1	
<i>Plantago lanceolata</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
<i>Poa trivialis</i>	-	-	-	-	-	3	3	2	-	4	-	-	-	-	-	-	3	-	-	3	-	-	-	1	-	
<i>Potentilla anserina</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	2	2	-	-	-	-	-	
<i>Potentilla erecta</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	1	-	-	3	
<i>Potentilla reptans</i>	-	-	-	-	-	-	-	-	2	6	-	-	3	-	-	4	2	2	-	-	1	-	-	-	-	
<i>Potentilla x mixta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-	-	
<i>Pulicaria dysenterica</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	3	
<i>Quercus robur</i>	-	-	-	-	1	1	1	1	-	-	3	2	1	2	-	-	-	-	-	-	-	-	-	-	-	
<i>Ranunculus flammula</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	
<i>Ranunculus repens</i>	-	-	-	-	-	-	-	3	5	-	-	-	-	2	2	3	-	-	-	-	-	-	1	-	-	2

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Taxon	MG1					MG6					MG9					MG9a					M27				
	EM16	EM17	EM18	EM19	EM20	EM21	EM22	EM23	EM24	EM25	EM11	EM12	EM13	EM14	EM15	EM6	EM7	EM8	EM9	EM10	EM1	EM2	EM3	EM4	EM5
<i>Rosa canina</i> agg.	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rubus fruticosus</i> agg.	-	-	-	-	-	-	-	-	-	-	3	2	-	-	2	-	-	3	-	-	-	-	-	-	-
<i>Rumex acetosa</i>	-	2	-	-	1	3	3	3	2	3	-	-	-	-	-	2	3	1	3	3	-	-	2	-	2
<i>Rumex conglomeratus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-
<i>Rumex crispus</i>	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Salix cinerea</i>	-	-	-	-	-	-	-	-	-	-	1	-	3	3	3	-	-	-	-	-	-	-	-	-	-
<i>Schedonorus arundinaceus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
<i>Senecio erucifolius</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>Senecio jacobaea</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Stellaria graminea</i>	-	-	-	-	-	-	-	-	2	-	-	-	3	2	-	-	2	2	3	2	1	1	-	1	-
<i>Stellaria holostea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<i>Urtica dioica</i>	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-
<i>Veronica chamaedrys</i>	-	-	-	-	-	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Vicia cracca</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-
<i>Vicia sativa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-



Table H5: Quadrat Results From Bourley and Long Valley - Valley Mire, Wet Heath and Purple Moor-grass Vegetation

Taxon	M16a						M16c		M21						M25a					M25b					
	BLVN6	BLVN7	BLVS17	BLVS18	BLVS20	BLVS21	BLVN8	BLVS19	BLVS12	BLVS13	BLVS14	BLVS15	BLVS16	BLVN1	BLVN2	BLVN3	BLVN4	BLVN5	BLVS1	BLVS10	BLVS2	BLVS3	BLVS4	BLVS5	BLVS6
<i>Agrostis canina</i>	1	2	-	-	-	-	1	-	-	-	-	-	-	3	3	3	-	-	3	-	-	3	4	1	-
<i>Agrostis capillaris</i>	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2	4	2	1	-	3	3
<i>Anagallis tenella</i>	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Anthoxanthum odoratum</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	3	-	3	3	1
<i>Aulacomnium androgynum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Aulacomnium palustre</i>	-	-	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Betula pendula</i>	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Betula pubescens</i>	1	-	1	1	-	1	-	-	-	-	-	-	-	1	1	-	1	1	-	-	4	-	4	1	4
<i>Calluna vulgaris</i>	5	5	7	8	6	8	7	6	-	1	-	-	-	-	-	7	4	-	4	-	-	-	-	-	-
<i>Calypogeia muelleriana</i>	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
<i>Campylopus introflexus</i>	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex binervis</i>	1	-	-	-	3	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-
<i>Carex nigra</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<i>Carex panicea</i>	3	-	-	2	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex pilulifera</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	1	1	-
<i>Centaurea nigra</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>Centaureum erythraea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Chamerion angustifolium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
<i>Cirsium palustre</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
<i>Cladonia portentosa</i>	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Danthonia decumbens</i>	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	1	-
<i>Deschampsia cespitosa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-

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Taxon	M16a						M16c		M21						M25a					M25b						
	BLVN6	BLVN7	BLVS17	BLVS18	BLVS20	BLVS21	BLVN8	BLVS19	BLVS12	BLVS13	BLVS14	BLVS15	BLVS16	BLVN1	BLVN2	BLVN3	BLVN4	BLVN5	BLVS1	BLVS10	BLVS2	BLVS3	BLVS4	BLVS5	BLVS6	
<i>Deschampsia flexuosa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
<i>Dicranum scoparium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Drosera intermedia</i>	-	-	-	2	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Drosera rotundifolia</i>	-	-	-	3	-	-	3	3	-	3	3	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eleocharis multicaulis</i>	-	-	-	-	-	-	-	-	6	7	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Erica tetralix</i>	5	5	8	7	5	6	6	5	2	4	2	4	-	-	-	2	3	3	-	-	-	-	-	-	-	-
<i>Eriophorum angustifolium</i>	3	2	3	3	7	-	-	-	1	4	7	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Frangula alnus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
<i>Hieracium sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
<i>Holcus lanatus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	2	3	-	-
<i>Holcus mollis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
<i>Hypericum pulchrum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Hypericum x desetangsii</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-
<i>Hypnum cupressiforme</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Hypnum jutlandicum</i>	4	3	8	6	5	4	3	6	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Hypochaeris radicata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
<i>Juncus acutiflorus</i>	5	-	3	-	-	1	3	1	-	2	-	3	2	5	5	4	-	-	6	-	5	5	4	2	-	-
<i>Juncus bulbosus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Juncus conglomeratus</i>	-	-	-	-	1	-	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-
<i>Juncus squarrosus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Leucobryum glaucum</i>	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Lotus corniculatus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
<i>Lotus pedunculatus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	3	2	1	-	-
<i>Luzula campestris</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-

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Taxon	M16a						M16c		M21						M25a					M25b					
	BLVN6	BLVN7	BLVS17	BLVS18	BLVS20	BLVS21	BLVN8	BLVS19	BLVS12	BLVS13	BLVS14	BLVS15	BLVS16	BLVN1	BLVN2	BLVN3	BLVN4	BLVN5	BLVS1	BLVS10	BLVS2	BLVS3	BLVS4	BLVS5	BLVS6
<i>Luzula multiflora</i> subsp. <i>congesta</i>	2	1	-	1	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	1	2
<i>Lysimachia vulgaris</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<i>Molinia caerulea</i>	8	6	5	7	8	7	7	7	6	6	5	6	8	-	10	9	8	10	10	5	9	9	9	9	8
<i>Myrica gale</i>	-	1	1	-	-	-	-	-	-	-	-	-	-	-	6	4	-	-	-	-	-	-	-	-	-
<i>Nardus stricta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Narthecium ossifragum</i>	-	-	-	-	-	-	-	-	-	3	6	6	3	-	-	-	-	-	-	-	-	-	-	-	-
<i>Odontoschisma sphagni</i>	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Pedicularis sylvatica</i>	1	2	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>Pilosella officinarum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Pinus sylvestris</i>	1	1	3	3	1	2	1	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
<i>Plantago lanceolata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-
<i>Poa trivialis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
<i>Populus tremula</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
<i>Potamogeton polygonifolius</i>	-	-	-	-	-	-	-	-	-	-	2	-	6	-	-	-	-	-	-	-	-	-	-	-	-
<i>Potentilla erecta</i>	2	-	-	-	-	-	3	-	2	3	-	-	-	2	2	3	2	1	4	2	7	6	9	5	-
<i>Pseudoscleropodium purum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	3	3	1
<i>Pteridium aquilinum</i>	-	-	-	-	-	2	-	1	-	-	-	-	-	2	-	1	1	1	-	-	-	-	-	-	-
<i>Quercus robur</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
<i>Rhytidadelphus squarrosus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	7	-	-	1	-
<i>Riccardia chamaedrys</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rubus fruticosus</i> agg.	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
<i>Salix cinerea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	2	1	-	-	4	2	1	1	1	-

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Taxon	M16a						M16c		M21						M25a					M25b						
	BLVN6	BLVN7	BLVS17	BLVS18	BLVS20	BLVS21	BLVN8	BLVS19	BLVS12	BLVS13	BLVS14	BLVS15	BLVS16	BLVN1	BLVN2	BLVN3	BLVN4	BLVN5	BLVS1	BLVS10	BLVS2	BLVS3	BLVS4	BLVS5	BLVS6	
<i>Salix repens</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	5	-	-	-	-	-
<i>Sorbus aucuparia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
<i>Sphagnum compactum</i>	8	7	-	7	6	5	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Sphagnum denticulatum</i>	-	6	-	-	-	-	4	-	8	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Sphagnum fallax</i>	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Sphagnum palustre</i>	3	-	-	-	4	-	-	-	4	-	7	-	5	-	-	4	-	-	-	-	-	-	-	-	-	
<i>Sphagnum papillosum</i>	-	-	-	-	-	-	-	-	6	9	-	8	6	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Sphagnum tenellum</i>	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Stellaria graminea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
<i>Taraxacum</i> agg.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
<i>Trichophorum germanicum</i>	2	6	4	4	2	3	5	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
<i>Trifolium pratense</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
<i>Ulex europaeus</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	



Table H6: Quadrat Results From Bourley and Long Valley - Grassland Vegetation

Taxon	MG5c	U1b				U2				U2a					U5d					U20a	
	BLVS11	BLVTN2	BLVTN3	BLVTN4	BLVTN6	BLVS23	BLVS24	BLVS25	BLVS26	BLVS27	BLVS28	BLVS29	BLVS30	BLVS31	BLVS22	BLVS7	BLVS8	BLVS9	BLVTN7	BLVTN1	BLVTN5
<i>Agrostis capillaris</i>	5	8	6	8	4	3	2	4	3	5	4	4	4	4	5	1	3	3	3	8	8
<i>Aira praecox</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Anthoxanthum odoratum</i>	5	1	-	-	4	-	1	2	1	-	-	-	1	1	2	5	5	4	-	-	2
<i>Betula pendula</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Betula pubescens</i>	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
<i>Betula x aurata</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Calluna vulgaris</i>	-	-	-	-	-	2	6	7	6	3	1	1	1	1	2	5	5	2	4	-	-
<i>Campylopus introflexus</i>	-	-	-	-	-	4	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
<i>Campylopus pyriformis</i>	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex binervis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
<i>Carex pilulifera</i>	-	3	1	-	1	2	2	3	2	-	4	1	-	-	3	1	4	3	-	2	1
<i>Centaurea nigra</i>	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cerastium fontanum</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Cytisus scoparius</i>	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Dactylis glomerata</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Danthonia decumbens</i>	4	-	-	1	4	-	1	3	3	3	-	-	-	-	4	3	4	4	3	-	-
<i>Deschampsia flexuosa</i>	-	-	-	-	-	5	3	5	4	3	5	6	7	5	-	1	-	-	-	-	-
<i>Dicranum scoparium</i>	-	-	-	-	-	1	3	3	1	4	3	3	3	3	-	-	-	1	-	-	-
<i>Erica cinerea</i>	1	-	-	-	4	4	3	3	1	-	4	1	-	-	-	-	-	1	-	-	-
<i>Festuca ovina</i> agg.	1	-	-	4	5	-	-	-	1	4	4	7	2	-	6	5	2	7	7	-	-
<i>Festuca rubra</i>	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
<i>Galium saxatile</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
<i>Holcus lanatus</i>	-	2	-	-	1	-	1	-	-	-	1	-	2	-	-	-	-	-	-	-	-

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Taxon	MG5c	U1b				U2				U2a					U5d					U20a	
	BLVS11	BLVTN2	BLVTN3	BLVTN4	BLVTN6	BLVS23	BLVS24	BLVS25	BLVS26	BLVS27	BLVS28	BLVS29	BLVS30	BLVS31	BLVS22	BLVS7	BLVS8	BLVS9	BLVTN7	BLVTN1	BLVTN5
<i>Hypericum pulchrum</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Hypnum jutlandicum</i>	-	-	-	-	-	-	2	1	2	4	-	4	4	3	3	-	-	-	-	-	-
<i>Hypochaeris radicata</i>	-	2	1	2	4	-	-	1	1	3	-	2	-	-	3	2	2	4	4	2	-
<i>Juncus squarrosus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>Lotus corniculatus</i>	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	-	-	-
<i>Luzula campestris</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	-	-	-
<i>Luzula multiflora</i>	-	-	-	-	-	-	-	1	1	1	1	-	1	1	-	-	-	-	-	-	-
<i>Luzula multiflora</i> subsp. <i>congesta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
<i>Molinia caerulea</i>	4	2	1	-	5	6	8	4	7	4	4	5	6	7	6	5	4	5	5	2	4
<i>Nardus stricta</i>	1	-	-	-	-	-	-	4	-	-	-	-	-	-	4	4	4	2	4	-	-
<i>Pedicularis sylvatica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Pilosella officinarum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
<i>Pinus sylvestris</i>	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1	-	1	-	-	-
<i>Plantago lanceolata</i>	3	-	-	-	4	-	-	-	-	-	-	-	-	-	-	1	2	1	2	-	-
<i>Pleurozium schreberi</i>	-	-	-	-	-	2	3	2	-	5	3	4	2	1	4	-	-	-	-	-	-
<i>Polytrichum juniperinum</i>	-	-	-	-	-	3	-	2	-	-	-	1	-	-	-	-	-	1	-	-	-
<i>Potentilla erecta</i>	4	-	-	-	-	-	3	-	2	-	-	-	1	1	1	3	2	2	-	-	-
<i>Pseudoscleropodium purum</i>	-	-	-	-	4	-	3	2	-	-	-	-	-	-	1	6	6	4	3	-	-
<i>Pteridium aquilinum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	5
<i>Quercus cerris</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<i>Quercus robur</i>	1	-	-	-	1	-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-
<i>Rhytidiadelphus squarrosus</i>	5	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7	4	-	2	-	-
<i>Rubus fruticosus</i> agg.	-	1	1	-	1	-	1	-	-	1	-	1	-	1	1	-	1	-	-	-	-
<i>Rumex acetosa</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Taxon	MG5c	U1b				U2				U2a					U5d					U20a	
	BLVS11	BLVTN2	BLVTN3	BLVTN4	BLVTN6	BLVS23	BLVS24	BLVS25	BLVS26	BLVS27	BLVS28	BLVS29	BLVS30	BLVS31	BLVS22	BLVS7	BLVS8	BLVS9	BLVTN7	BLVTN1	BLVTN5
<i>Rumex acetosella</i>	-	2	3	3	1	-	-	-	-	-	-	-	3	1	-	-	-	1	-	2	3
<i>Salix cinerea</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sorbus aucuparia</i>	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
<i>Stellaria graminea</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Trifolium dubium</i>	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Trifolium pratense</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Trifolium repens</i>	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ulex europaeus</i>	1	-	-	1	1	1	-	5	1	1	1	1	-	1	-	-	1	-	1	1	-
<i>Veronica officinalis</i>	-	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-



Table H7: Quadrat Results From Cove Brook

Taxon	M23b		MG9						MG10a
	CBK8	CBK9	CBK1	CBK2	CBK4	CBK5	CBK6	CBK7	CBK3
<i>Agrostis canina</i>	-	4	-	-	-	-	-	-	-
<i>Agrostis capillaris</i>	-	-	4	5	-	-	5	6	-
<i>Agrostis stolonifera</i>	4	-	4	4	7	7	9	-	6
<i>Alopecurus pratensis</i>	-	-	1	-	-	-	-	4	-
<i>Anthoxanthum odoratum</i>	-	-	-	-	1	3	-	-	2
<i>Calliergonella cuspidata</i>	2	-	-	-	-	-	-	-	-
<i>Carex leporina</i>	-	-	2	5	-	4	-	-	4
<i>Deschampsia cespitosa</i>	4	1	-	4	-	1	-	-	-
<i>Dryopteris filix-mas</i>	3	-	-	-	-	-	-	-	-
<i>Epilobium montanum</i>	4	-	-	-	-	-	-	-	-
<i>Equisetum arvense</i>	-	1	-	-	-	-	-	-	-
<i>Festuca rubra</i>	-	-	3	-	-	2	-	7	-
<i>Filipendula ulmaria</i>	-	4	-	-	-	-	-	-	-
<i>Galium palustre</i>	3	3	3	-	3	-	-	-	4
<i>Holcus lanatus</i>	-	2	6	8	7	7	5	6	5
<i>Humulus lupulus</i>	1	-	-	-	-	-	-	-	-
<i>Impatiens capensis</i>	-	4	-	-	-	-	-	-	-
<i>Iris pseudacorus</i>	-	1	-	-	-	-	-	-	-
<i>Juncus acutiflorus</i>	2	-	-	-	-	-	-	-	-
<i>Juncus conglomeratus</i>	-	1	-	-	-	-	-	-	-
<i>Juncus effusus</i>	6	7	-	-	-	-	-	-	7
<i>Lolium perenne</i>	-	-	5	-	-	-	-	-	-
<i>Lotus pedunculatus</i>	6	5	4	4	-	-	-	-	5
<i>Lycopus europaeus</i>	-	4	-	-	-	-	-	-	-
<i>Lythrum salicaria</i>	5	-	-	-	-	-	-	-	-
<i>Mentha aquatica</i>	-	5	-	-	-	-	-	-	-
<i>Myosotis laxa</i>	3	3	-	-	-	-	-	-	-
<i>Phleum pratense</i>	-	-	-	-	1	-	-	-	-
<i>Poa humilis</i>	-	-	1	1	3	-	-	1	-
<i>Poa pratensis</i>	-	-	-	-	1	-	2	-	-
<i>Poa trivialis</i>	-	-	-	-	-	1	-	3	1
<i>Potentilla anserina</i>	-	4	-	-	-	-	-	-	-
<i>Pulicaria dysenterica</i>	1	-	-	-	-	-	-	-	-
<i>Quercus robur</i>	-	-	-	-	-	-	-	-	1
<i>Ranunculus acris</i>	-	-	3	-	1	1	-	1	-
<i>Ranunculus flammula</i>	-	-	-	-	-	-	-	-	2
<i>Ranunculus repens</i>	-	4	6	-	-	-	-	1	-
<i>Rubus fruticosus</i> agg.	1	-	-	-	-	-	-	-	-
<i>Rumex sanguineus</i>	1	-	-	-	-	-	-	-	-
<i>Silene flos-cuculi</i>	-	4	-	-	-	-	-	-	-
<i>Stellaria alsine</i>	4	-	-	-	-	-	-	-	1
<i>Stellaria graminea</i>	-	-	-	-	-	-	-	1	1

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Taxon	M23b		MG9						MG10a
	CBK8	CBK9	CBK1	CBK2	CBK4	CBK5	CBK6	CBK7	CBK3
<i>Taraxacum</i> agg.	1	-	4	-	-	-	-	2	-
<i>Trifolium repens</i>	-	-	1	-	-	-	-	-	-
<i>Urtica dioica</i>	1	-	-	-	-	-	-	-	-



Table H8: Quadrat Results From Colony Bog and Bagshot Heath - Dry Heath Vegetation

Taxon	H1a					H2a					H2c	H3a
	CB11	CB4	CB5	CB7	CB8	CB19	CB20	CB21	CB22	CB23	CB10	CB24
<i>Agrostis capillaris</i>	-	-	-	-	-	2	1	-	-	-	-	-
<i>Agrostis curtisii</i>	-	-	-	-	-	3	-	1	-	-	-	3
<i>Betula pendula</i>	1	-	-	-	-	2	1	1	-	1	-	-
<i>Brachythecium rutabulum</i>	-	-	-	-	-	-	-	-	-	1	-	-
<i>Calliergonella cuspidata</i>	-	-	-	-	-	1	-	-	-	-	-	-
<i>Calluna vulgaris</i>	10	8	8	7	9	4	7	8	9	9	5	10
<i>Carex binervis</i>	-	-	-	-	-	-	-	-	-	-	-	1
<i>Cladonia chlorophaea</i>	-	-	-	-	-	-	-	-	-	-	-	1
<i>Cladonia furcata</i>	-	1	-	-	-	-	-	-	-	-	-	-
<i>Cladonia portentosa</i>	-	5	-	4	2	-	-	-	-	1	3	-
<i>Cuscuta epithymum</i>	-	-	-	-	1	-	-	-	-	1	-	3
<i>Dactylorhiza maculata</i>	-	-	-	-	-	1	-	-	-	-	-	-
<i>Deschampsia flexuosa</i>	-	-	1	1	-	-	-	-	-	-	-	-
<i>Dicranum scoparium</i>	3	1	1	3	3	-	-	-	1	-	-	-
<i>Erica cinerea</i>	-	1	-	3	2	5	2	5	4	4	4	-
<i>Hypnum jutlandicum</i>	8	7	7	6	7	-	3	3	9	5	5	8
<i>Luzula multiflora</i>	-	-	-	-	-	1	-	-	-	-	-	-
<i>Molinia caerulea</i>	-	-	-	1	-	3	5	2	3	3	7	-
<i>Pinus sylvestris</i>	1	3	1	3	2	1	-	1	-	1	4	1
<i>Pteridium aquilinum</i>	-	-	-	-	-	-	3	5	3	3	-	-
<i>Quercus robur</i>	1	-	-	1	-	1	1	1	-	-	-	-
<i>Rubus fruticosus</i> agg.	-	-	-	1	-	-	-	-	-	-	-	-
<i>Salix cinerea</i>	-	-	-	-	-	1	-	-	-	-	-	-
<i>Ulex europaeus</i>	-	-	-	-	-	1	-	-	-	-	6	-
<i>Ulex minor</i>	-	-	-	-	-	4	6	7	4	5	-	-
<i>Veronica officinalis</i>	-	-	-	-	-	-	-	-	-	-	-	1



Table H9: Quadrat Results From Colony Bog and Bagshot Heath - Wet Heath and Purple Moor-grass Vegetation

Taxon	M16a								M16c							
	CB12	CB13	CB14	CB15	CB16	CB17	CB18	CB9	CB3	CB1	CB2	CB29	CB53	CB54	CB6	
<i>Agrostis stolonifera</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
<i>Betula pendula</i>	-	-	-	-	-	1	-	-	-	1	4	1	-	-	1	
<i>Calluna vulgaris</i>	4	4	5	3	7	3	7	4	5	4	2	4	4	5	5	
<i>Calypogeia fissa</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
<i>Cladonia furcata</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
<i>Cladonia portentosa</i>	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
<i>Dicranum scoparium</i>	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
<i>Drosera rotundifolia</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
<i>Erica tetralix</i>	8	7	8	7	7	8	8	4	8	5	4	4	6	4	4	
<i>Eriophorum angustifolium</i>	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
<i>Hypnum cupressiforme</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
<i>Hypnum jutlandicum</i>	7	1	2	1	-	8	6	4	3	-	3	-	-	-	3	
<i>Juncus acutiflorus</i>	-	-	-	-	-	-	-	-	-	-	-	-	4	3	-	
<i>Juncus articulatus</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
<i>Juncus squarrosus</i>	-	-	-	-	1	-	-	-	3	-	-	-	-	-	-	
<i>Molinia caerulea</i>	7	8	8	7	8	7	-	9	4	10	10	9	9	10	9	
<i>Myrica gale</i>	-	-	-	-	-	-	-	-	-	-	-	6	8	8	-	
<i>Pinus sylvestris</i>	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	
<i>Potentilla erecta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
<i>Pteridium aquilinum</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
<i>Quercus robur</i>	1	-	1	-	-	-	-	-	-	1	-	-	1	-	1	
<i>Rhynchospora alba</i>	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	
<i>Sphagnum palustre</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	
<i>Sphagnum subnitens</i>	-	-	-	-	-	-	-	-	-	-	-	-	4	3	-	
<i>Sphagnum tenellum</i>	-	4	4	-	-	-	-	-	2	3	-	-	-	-	-	
<i>Trichophorum germanicum</i>	-	4	3	-	-	1	-	-	4	-	-	-	-	-	-	
<i>Ulex europaeus</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	



Table H10: Quadrat Results From Colony Bog and Bagshot Heath - Valley Mire Vegetation

Taxon	M2a				M14				M21							M21a			M21b						
	CB41	CB46	CB47	CB49	CB35	CB44	CB50	CB52	CB30	CB31	CB32	CB33	CB34	CB51	CB55	CB43	CB45	CB48	CB36	CB37	CB38	CB39	CB40	CB42	
<i>Anagallis tenella</i>	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Aneura pinguis</i>	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	-	-	-	-	-
<i>Aulacomnium androgynum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	1	-
<i>Betula pendula</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
<i>Calluna vulgaris</i>	-	-	-	-	3	1	1	4	-	-	4	4	5	2	1	2	-	1	4	5	5	6	-	-	-
<i>Calypogeia arguta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Calypogeia muelleriana</i>	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
<i>Carex demissa</i>	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex echinata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Carex panicea</i>	-	5	-	3	-	-	-	-	4	4	4	3	-	-	-	1	5	3	3	1	4	4	4	4	-
<i>Cephalozia</i> sp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<i>Cirsium dissectum</i>	4	6	-	-	1	-	-	-	-	-	-	-	-	-	-	6	4	-	-	-	-	-	-	-	-
<i>Cladopodiella fluitans</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	2	1	-	-	2	-	-	-	-	1	-	2	-	-	1	-	1	-	3	-	2	2	-	-	-
<i>Drosera rotundifolia</i>	3	3	-	2	3	1	1	1	3	3	-	3	-	2	1	3	3	3	3	-	2	-	2	3	3
<i>Eleocharis multicaulis</i>	-	7	5	3	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
<i>Equisetum fluviatile</i>	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Equisetum palustre</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-
<i>Erica tetralix</i>	4	3	1	2	7	5	6	6	3	5	6	4	6	7	3	6	5	4	4	5	5	6	5	5	5
<i>Eriophorum angustifolium</i>	-	4	3	3	4	2	4	3	6	5	4	5	3	3	4	4	3	5	6	5	6	4	6	8	8
<i>Hypnum jutlandicum</i>	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
<i>Juncus acutiflorus</i>	-	1	1	-	3	-	3	-	5	-	4	3	2	-	3	-	-	2	3	4	3	3	2	-	-
<i>Molinia caerulea</i>	7	4	-	3	7	6	7	8	8	8	9	7	8	8	7	4	5	5	8	8	7	7	8	8	8

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Taxon	M2a				M14				M21							M21a			M21b					
	CB41	CB46	CB47	CB49	CB35	CB44	CB50	CB52	CB30	CB31	CB32	CB33	CB34	CB51	CB55	CB43	CB45	CB48	CB36	CB37	CB38	CB39	CB40	CB42
<i>Myrica gale</i>	5	-	1	-	4	1	5	7	8	9	9	2	4	8	6	-	1	-	-	-	-	-	-	2
<i>Narthecium ossifragum</i>	8	2	1	4	4	2	4	2	2	1	-	8	6	3	3	5	5	3	-	-	-	-	2	7
<i>Odontoschisma sphagni</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Pedicularis sylvatica</i>	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-
<i>Pinus sylvestris</i>	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	1	1	-	-
<i>Potamogeton polygonifolius</i>	9	6	6	5	-	-	-	-	-	-	-	-	-	-	-	4	6	4	-	-	-	-	-	-
<i>Potentilla erecta</i>	-	-	-	1	-	-	-	-	-	-	-	2	-	-	-	3	-	3	3	3	3	3	3	2
<i>Quercus robur</i>	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	1	-
<i>Rhynchospora alba</i>	4	5	6	6	-	-	-	-	-	-	-	-	-	-	-	1	4	4	-	-	-	-	-	-
<i>Riccardia chamaedryfolia</i>	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	1	-
<i>Salix cinerea</i>	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Schoenus nigricans</i>	-	-	-	-	5	10	6	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
<i>Sphagnum capillifolium</i>	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum cuspidatum</i>	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum denticulatum</i>	-	3	-	1	2	-	-	-	3	3	2	3	-	-	-	-	-	-	5	6	3	-	3	-
<i>Sphagnum fallax</i>	-	-	-	-	2	3	-	-	-	2	-	-	-	-	-	-	-	-	4	4	-	-	3	-
<i>Sphagnum palustre</i>	-	-	-	-	-	-	1	-	5	5	5	4	5	-	4	-	4	5	-	4	3	3	2	4
<i>Sphagnum papillosum</i>	-	-	1	4	8	4	8	7	6	7	7	7	4	7	6	7	5	8	4	5	7	7	6	8
<i>Sphagnum subnitens</i>	-	-	-	-	4	-	1	1	3	-	4	4	-	2	5	4	5	4	-	-	-	4	-	-
<i>Sphagnum tenellum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	4	2	-	-	-
<i>Succisa pratensis</i>	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	1	1
<i>Trichophorum germanicum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	-	-	-
<i>Ulex europaeus</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Ulex minor</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	2	3	-



Table H11: Quadrat Results From Chobham Common - Dry Heath and Acid Grassland Vegetation

Taxon	H1a	H1e			H2c													H3a					U3			
	C12	C16	C38	C41	C10	C11	C14	C20	C21	C24	C28	C29	C30	C44	C45	C46	C57	C13	C15	C19	C22	C23	C42	C43	C8	C9
<i>Agrostis curtisii</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	6	5	1	1	-	2	5	7	9
<i>Betula pendula</i>	-	-	-	3	-	1	-	3	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-
<i>Calluna vulgaris</i>	10	10	10	9	7	7	10	8	7	9	7	8	6	8	7	8	8	9	7	8	7	9	5	8	1	-
<i>Campylopus introflexus</i>	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	-
<i>Carex binervis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Carex pilulifera</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
<i>Cladonia portentosa</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
<i>Dicranum scoparium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
<i>Erica cinerea</i>	-	-	-	-	-	-	-	-	-	4	-	4	4	-	-	-	-	2	1	-	-	-	-	1	-	-
<i>Erica tetralix</i>	-	-	-	-	8	8	2	4	4	3	7	7	-	6	3	4	6	-	-	1	7	4	5	2	-	-
<i>Hypnum jutlandicum</i>	10	9	7	8	5	3	8	-	-	8	7	8	-	-	-	-	-	6	4	-	-	-	-	-	-	-
<i>Ilex aquifolium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Molinia caerulea</i>	-	-	-	-	-	7	5	7	4	7	5	2	4	6	6	5	7	6	2	7	8	7	7	5	6	4
<i>Pinus sylvestris</i>	3	1	-	2	2	-	2	-	1	-	-	-	-	-	1	2	-	3	1	1	-	-	1	1	1	-
<i>Polytrichum juniperinum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
<i>Quercus robur</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
<i>Ulex europaeus</i>	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
<i>Ulex minor</i>	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	4	-	5	2	6	5	-	-



Table H12: Quadrat Results From Chobham Common - Wet Heath, Purple Moor-grass and Valley Mire Vegetation

Taxon	M1		M16a								M16c			M25a							M30			M6c		M6d	
	C1	C51	C6	C33	C34	C35	C36	C37	C39	C53	C31	C32	C50	C2	C40	C52	C54	C55	C56	C7	C47	C48	C49	C3	C5	C4	
<i>Betula pendula</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Betula pubescens</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Calluna vulgaris</i>	-	-	6	4	3	3	4	3	6	-	2	2	-	2	5	-	-	8	8	-	-	-	-	-	-	-	-
<i>Calypogeia arguta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Carex echinata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-
<i>Carex nigra</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
<i>Carex panicea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	-	-	-	-	-	-	-	-	-
<i>Drosera intermedia</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eleocharis multicaulis</i>	-	-	-	-	-	-	-	-	-	-	3	3	8	-	-	-	-	-	-	-	-	3	6	9	-	-	-
<i>Eleogiton fluitans</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	5	3	-	-	-
<i>Erica cinerea</i>	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
<i>Erica tetralix</i>	-	4	7	8	8	8	5	8	8	2	5	-	-	5	8	3	4	5	5	4	-	-	-	-	-	-	-
<i>Eriophorum angustifolium</i>	7	8	-	-	-	5	-	-	4	3	-	1	-	-	2	3	1	4	3	-	-	-	-	6	6	3	
<i>Hypnum jutlandicum</i>	-	-	3	-	-	-	-	-	4	-	-	-	-	-	3	-	-	7	6	-	-	-	-	-	-	-	-
<i>Juncus acutiflorus</i>	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	8
<i>Juncus bulbosus</i>	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	5	6	-	-	-	-
<i>Juncus conglomeratus</i>	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	5	-	-	3	-	4	-	-	-	-	-	-
<i>Juncus effusus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8	4	-
<i>Juncus squarrosus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Molinia caerulea</i>	-	5	4	5	8	9	6	6	5	9	7	4	5	10	8	7	10	9	8	10	3	-	4	8	5	4	-
<i>Narthecium ossifragum</i>	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Pinus sylvestris</i>	-	-	-	1	1	-	1	1	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
<i>Potamogeton polygonifolius</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	4
<i>Potentilla erecta</i>	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	3	2	-	1	-	-	-	-	-	-	-	-

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Taxon	M1		M16a								M16c			M25a							M30			M6c		M6d	
	C1	C51	C6	C33	C34	C35	C36	C37	C39	C53	C31	C32	C50	C2	C40	C52	C54	C55	C56	C7	C47	C48	C49	C3	C5	C4	
<i>Rhynchospora alba</i>	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum compactum</i>	-	-	-	-	-	-	-	3	-	-	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum cuspidatum</i>	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum denticulatum</i>	-	4	-	-	-	-	-	-	-	3	3	-	-	-	-	3	2	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum fallax</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	10	-
<i>Sphagnum palustre</i>	-	-	-	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum sp.</i>	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Sphagnum tenellum</i>	-	-	-	8	1	-	4	4	-	-	-	-	-	-	3	-	-	4	3	-	-	-	-	-	-	-	-
<i>Trichophorum germanicum</i>	-	-	-	5	3	4	5	5	3	-	2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-



Table H13: Quadrat Results From Chobham Common - Woodland Vegetation. C = Canopy Layer, S = Shrub Layer, G = Ground Layer

Taxon	W4a						W7b			W10			W16a		
	C25			C27			C18			C26			C17		
	C	G	S	C	G	S	C	G	S	C	G	S	C	G	S
<i>Agrostis capillaris</i>	-	3	-	-	1	-	-	-	-	-	1	-	-	-	-
<i>Agrostis vinealis</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<i>Alnus glutinosa</i>	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-
<i>Aneura pinguis</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<i>Atrichum undulatum</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<i>Betula pendula</i>	9	-	-	1	-	-	-	-	-	8	-	-	1	-	-
<i>Betula pubescens</i>	1	-	-	9	-	-	-	-	-	-	-	-	-	-	-
<i>Betula x aurata</i>	-	-	-	-	-	-	3	-	-	4	-	-	-	-	-
<i>Blechnum spicant</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Brachythecium rutabulum</i>	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-
<i>Calliergonella cuspidata</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Calluna vulgaris</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cardamine pratensis</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Carex pendula</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Carex remota</i>	-	-	-	-	-	-	-	3	-	-	3	-	-	-	-
<i>Castanea sativa</i>	-	-	1	-	-	-	-	-	-	-	-	-	10	-	-
<i>Circaea lutetiana</i>	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
<i>Cirsium palustre</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
<i>Deschampsia flexuosa</i>	-	3	-	-	-	-	-	-	-	-	2	-	-	-	-
<i>Dicranella heteromalla</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
<i>Dicranum scoparium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
<i>Dryopteris affinis</i> subsp. <i>affinis</i>	-	-	-	-	3	-	-	-	-	-	1	-	-	-	-
<i>Dryopteris dilatata</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
<i>Dryopteris filix-mas</i>	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-
<i>Erica tetralix</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Eurhynchium striatum</i>	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Fagus sylvatica</i>	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
<i>Galium palustre</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Hedera helix</i>	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-
<i>Holcus lanatus</i>	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
<i>Hypnum cupressiforme</i>	-	3	-	-	1	-	-	1	-	-	-	-	-	3	-
<i>Ilex aquifolium</i>	-	-	2	-	1	-	-	-	-	-	-	3	-	-	1
<i>Iris pseudacorus</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Isoetes macrospora</i>	-	-	-	-	-	-	-	-	-	-	3	-	-	3	-
<i>Juncus bulbosus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<i>Juncus effusus</i>	-	-	-	-	1	-	-	3	-	-	1	-	-	-	-
<i>Kindbergia praelonga</i>	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Leucobryum glaucum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
<i>Lonicera periclymenum</i>	-	-	-	-	-	1	-	-	-	-	-	5	-	-	-
<i>Mnium hornum</i>	-	-	-	-	-	-	-	1	-	-	3	-	-	-	-

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Taxon	W4a						W7b			W10			W16a		
	C25			C27			C18			C26			C17		
	C	G	S	C	G	S	C	G	S	C	G	S	C	G	S
<i>Molinia caerulea</i>	-	10	-	-	9	-	-	1	-	-	2	-	-	-	-
<i>Pinus sylvestris</i>	1	-	-	-	-	-	-	-	-	-	-	-	4	-	-
<i>Polytrichastrum formosum</i>	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
<i>Populus tremula</i>	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Prunus padus</i>	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-
<i>Pteridium aquilinum</i>	-	-	3	-	4	-	-	-	-	-	-	7	-	1	-
<i>Quercus cerris</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>Quercus robur</i>	4	-	-	2	-	1	-	-	-	4	-	-	-	-	-
<i>Rhododendron ponticum</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
<i>Ribes rubrum</i>	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
<i>Rubus fruticosus</i> agg.	-	-	3	-	7	-	-	-	-	-	-	7	-	-	-
<i>Rumex sanguineus</i>	-	-	-	-	1	-	-	-	-	-	3	-	-	-	-
<i>Salix cinerea</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Scrophularia nodosa</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Scutellaria minor</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<i>Sorbus aucuparia</i>	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
<i>Teucrium scorodonia</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
<i>Ulex europaeus</i>	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Urtica dioica</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
<i>Veronica serpyllifolia</i>	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-



Table H14: Quadrat Results From Dumsey Meadow SSSI

Taxon	MG1e												MG5b					MG6c			MG7d				MG11	C. acuta swamp	
	DM10	DM11	DM12	DM13	DM14	DM16	DM17	DM18	DM6	DM7	DM8	DM9	DM1	DM2	DM23	DM3	DM4	DM5	DM24	DM25	DM27	DM19	DM20	DM21	DM22	DM15	DM26
<i>Achillea millefolium</i>	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-
<i>Agrostis capillaris</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	1	-	-	-	-	-	-	-	-	-
<i>Agrostis stolonifera</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	2	-	2	-
<i>Alopecurus geniculatus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
<i>Alopecurus pratensis</i>	-	1	-	-	3	-	-	3	1	-	-	1	1	-	-	-	-	-	1	-	-	8	4	5	5	-	-
<i>Arrhenatherum elatius</i>	9	7	8	9	7	8	5	5	8	9	5	8	7	5	5	6	7	4	-	-	1	-	-	-	1	-	-
<i>Avenula pubescens</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5	3	2	-	-	-	-	-	-	-	-	-	-
<i>Brachythecium rutabulum</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	2	-	-	-	-	-	-	-	-	-
<i>Bromopsis erecta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	3	-	-	-	-	-	-	-	-	-
<i>Bromus commutatus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
<i>Bromus hordeaceus</i>	1	1	-	-	1	-	-	-	1	-	-	-	1	-	-	1	-	-	2	2	1	-	-	-	-	1	-
<i>Bromus racemosus</i>	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Carex acuta</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
<i>Carex hirta</i>	1	1	-	-	-	2	-	1	3	-	-	-	2	-	2	-	-	3	-	-	-	1	-	-	-	6	-

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Taxon	MG1e												MG5b					MG6c			MG7d				MG11	C. acuta swamp	
	DM10	DM11	DM12	DM13	DM14	DM16	DM17	DM18	DM6	DM7	DM8	DM9	DM1	DM2	DM23	DM3	DM4	DM5	DM24	DM25	DM27	DM19	DM20	DM21	DM22	DM15	DM26
<i>Carex riparia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
<i>Carex spicata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
<i>Centaurea nigra</i>	-	-	1	-	-	-	-	-	1	-	-	-	-	1	4	-	5	-	-	-	-	-	-	-	-	-	-
<i>Cerastium fontanum</i>	-	-	-	-	-	-	-	-	1	-	-	-	3	-	2	-	1	1	-	-	-	-	-	-	2	-	-
<i>Cirsium arvense</i>	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Cirsium vulgare</i>	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Crepis vesicaria</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
<i>Cynosurus cristatus</i>	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-
<i>Dactylis glomerata</i>	3	3	3	4	-	3	5	4	3	3	3	3	2	2	3	2	2	3	3	3	3	-	-	4	2	1	-
<i>Equisetum arvense</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	1	1	-	1
<i>Festuca rubra</i> agg.	5	7	3	6	5	6	8	5	5	5	7	5	6	5	7	6	7	7	5	8	8	-	-	4	5	1	-
<i>Filipendula ulmaria</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
<i>Galium verum</i>	-	-	1	-	-	-	2	-	1	-	-	1	2	3	3	3	2	2	-	6	3	-	-	-	-	-	-
<i>Geranium dissectum</i>	2	-	1	4	2	-	2	4	3	1	2	2	-	1	-	1	-	2	2	1	1	1	3	1	1	1	-
<i>Holcus lanatus</i>	4	4	4	5	5	3	5	5	5	3	6	6	4	4	4	4	4	5	-	-	-	-	3	4	2	3	-
<i>Hordeum secalinum</i>	4	4	3	3	5	5	6	7	4	4	4	4	1	2	1	1	2	4	3	2	2	4	5	5	7	5	-

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Taxon	MG1e												MG5b					MG6c			MG7d				MG11	C. acuta swamp	
	DM10	DM11	DM12	DM13	DM14	DM16	DM17	DM18	DM6	DM7	DM8	DM9	DM1	DM2	DM23	DM3	DM4	DM5	DM24	DM25	DM27	DM19	DM20	DM21	DM22	DM15	DM26
<i>Iris pseudacorus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
<i>Lathyrus pratensis</i>	-	-	-	-	-	3	2	-	-	1	1	1	6	-	-	-	-	1	-	-	-	-	5	1	-	1	-
<i>Lolium perenne</i>	6	5	4	3	3	2	2	3	3	4	4	-	5	4	4	5	4	3	8	8	8	5	4	3	5	6	-
<i>Lotus corniculatus</i>	5	5	5	-	-	-	-	-	-	5	1	-	4	5	5	5	6	7	3	4	5	-	-	1	4	3	-
<i>Medicago arabica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	-	-	-	-	-	-
<i>Medicago lupulina</i>	-	-	-	2	1	-	-	1	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
<i>Persicaria amphibia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	-	-	4	-
<i>Phalaris arundinacea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
<i>Plantago lanceolata</i>	-	-	4	-	-	-	-	1	-	2	-	-	-	1	3	-	-	-	1	4	1	-	-	-	1	1	-
<i>Poa trivialis</i>	4	3	4	2	3	3	3	4	3	2	5	5	4	2	2	-	3	3	3	3	2	5	4	6	8	2	1
<i>Potentilla anserina</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	-	-	4	-
<i>Potentilla reptans</i>	5	4	1	-	4	-	4	3	5	4	4	-	4	3	4	3	4	2	5	-	4	-	-	4	-	1	-
<i>Poterium sanguisorba</i>	-	1	-	-	-	-	-	-	-	-	-	-	7	8	-	8	8	6	-	-	-	-	-	-	-	-	-
<i>Ranunculus acris</i>	3	4	5	4	3	3	2	3	5	5	5	3	4	-	-	2	-	-	-	-	-	2	2	3	3	-	-
<i>Ranunculus bulbosus</i>	1	3	3	2	3	-	5	3	3	-	-	4	3	4	5	2	4	4	3	3	3	-	-	-	-	-	-
<i>Ranunculus repens</i>	-	-	-	-	2	6	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	6	5	6	-

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Taxon	MG1e												MG5b						MG6c			MG7d				MG11	C. acuta swamp
	DM10	DM11	DM12	DM13	DM14	DM16	DM17	DM18	DM6	DM7	DM8	DM9	DM1	DM2	DM23	DM3	DM4	DM5	DM24	DM25	DM27	DM19	DM20	DM21	DM22	DM15	DM26
<i>Rumex acetosa</i>	-	-	-	-	-	-	-	-	-	4	-	-	4	-	5	-	-	-	-	-	-	-	-	-	-	-	-
<i>Rumex conglomeratus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-
<i>Schedonorus arundinaceus</i>	2	-	7	4	4	5	4	6	2	4	7	5	-	-	-	1	-	-	-	-	-	6	9	3	4	4	-
<i>Schedonorus pratensis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-
<i>Sonchus oleraceus</i>	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Taraxacum agg.</i>	1	-	4	1	-	2	1	1	-	1	2	-	1	2	2	-	-	-	-	1	-	-	-	1	2	-	-
<i>Tragopogon pratensis</i>	1	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-
<i>Trifolium dubium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-
<i>Trifolium pratense</i>	5	4	5	1	1	1	3	1	2	4	-	4	4	4	4	4	4	3	5	5	5	-	4	3	3	1	-
<i>Trifolium repens</i>	4	5	3	-	-	6	5	-	-	2	-	-	2	4	4	4	1	6	9	9	5	3	3	3	4	5	-
<i>Trisetum flavescens</i>	-	-	-	-	-	-	-	-	-	-	-	-	1	5	-	3	5	4	4	4	6	-	-	-	-	-	-
<i>Vicia sativa</i>	-	-	2	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Annex I – Background Records

Table I1: Records of Notable Plants Within 250m of the Order Limits Obtained From Hampshire Biodiversity Information Centre. See Table 1.1 for Legal/Conservation Statuses.

Scientific Name	Common Name	Legal/Conservation Status	Site Name	Grid Reference	First Year	Last Year	Max. Count
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Queen Elizabeth Park	SU867562	1995	1995	0
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Crookham Common	SU824529	1986	1998	500
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Crookham Common Pond	SU825529	2006	2006	0
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Gelvert Bottom	SU828530	2011	2011	0
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Velmead Common	SU825526	2014	2014	0
<i>Agrostis curtisii</i>	Bristle bent	VC12 Scarce	Velmead Common	SU824529	2016	2016	0
<i>Alopecurus pratensis x geniculatus = A. x brachystylus</i>	Foxtail	Hants Rare, VC11 Rare	Boorley Green	SU510145	1996	1996	1
<i>Anacamptis morio</i>	Green-winged orchid	Eng VU, GB NT, HBAP, VC12 Scarce	Farnborough Airfield	SU8453	1974	1991	0
<i>Anthemis arvensis</i>	Corn chamomile	Eng EN, GB EN, Hants Scarce, VC12 Scarce, VC11 Scarce	Durley	SU5116	1997	1997	1
<i>Anthemis arvensis</i>	Corn chamomile	Eng EN, GB EN, Hants Scarce, VC12 Scarce, VC11 Scarce	Boorley Green	SU5014	1998	1998	1
<i>Anthemis arvensis</i>	Corn chamomile	Eng EN, GB EN, Hants Scarce, VC12 Scarce, VC11 Scarce	Warnford Plantation Lomer	SU588240	1999	1999	1
<i>Anthemis arvensis</i>	Corn chamomile	Eng EN, GB EN, Hants Scarce, VC12 Scarce, VC11 Scarce	West of Warnford	SU5923	2011	2011	0
<i>Anthemis cotula</i>	Stinking chamomile	Eng VU, GB VU, CI	Upper Swanthorpe	SU7846	1990	1990	0
<i>Anthemis cotula</i>	Stinking chamomile	Eng VU, GB VU, CI	C Rondall	SU7947	1990	1990	0
<i>Anthemis cotula</i>	Stinking chamomile	Eng VU, GB VU, CI	N of Lawn Copse, Crondall	SU808487	1991	1991	0
<i>Anthemis cotula</i>	Stinking chamomile	Eng VU, GB VU, CI	Crondall	SU809488	1991	1991	0
<i>Anthemis cotula</i>	Stinking chamomile	Eng VU, GB VU, CI	Farnborough	SU869559	1991	1991	0

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Scientific Name	Common Name	Legal/Conservation Status	Site Name	Grid Reference	First Year	Last Year	Max. Count
<i>Apera spica-venti</i>	Loose silky-bent	GB NT, Hants Scarce, VC12 Scarce, VC11 Rare	Fleet Area	SU8254	1990	1990	0
<i>Apera spica-venti</i>	Loose silky-bent	GB NT, Hants Scarce, VC12 Scarce, VC11 Rare	Cove Green, Farnborough	SU862558	1992	1992	0
<i>Arabis hirsuta</i>	Hairy rock-cress	Eng NT, Hants Scarce, VC12 Scarce, VC11 Scarce	Ropley Chalk Quarry	SU656305	2017	2017	0
<i>Bidens tripartita</i>	Trifid bur-marigold	VC12 Scarce	Cove Brook (remodelled section)	SU855550	1998	1998	0
<i>Bidens tripartita</i> var. <i>tripartita</i>	Trifid bur-marigold	VC12 Scarce	Froyle, The Fishpond	SU758422	2017	2017	0
<i>Brachypodium pinnatum</i>	Heath false-brome	Hants Scarce, VC11 Scarce, VC12 Rare	Little Down	SU661313	2013	2013	0
<i>Briza media</i>	Quaking-grass	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Briza media</i>	Quaking-grass	Eng NT	Claylands, Bishops Waltham	SU5418	1998	1998	1
<i>Briza media</i>	Quaking-grass	Eng NT	Stephen's Castle Down	SU558212	1999	1999	1
<i>Briza media</i>	Quaking-grass	Eng NT	Stephen's Castle Down	SU5621	1999	1999	1
<i>Briza media</i>	Quaking-grass	Eng NT	Godwin's Plantation, Bramdean	SU621269	1999	1999	1
<i>Briza media</i>	Quaking-grass	Eng NT	Brockwood Park	SU622270	2000	2000	0
<i>Briza media</i>	Quaking-grass	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Briza media</i>	Quaking-grass	Eng NT	Brockwood Park Area A	SU622270	2012	2012	0
<i>Briza media</i>	Quaking-grass	Eng NT	Farnborough	SU844542	2013	2013	0
<i>Briza media</i>	Quaking-grass	Eng NT	Ropley Chalk Quarry	SU656305	2017	2017	0
<i>Briza minor</i>	Lesser quaking-grass	NS, HBAP, Hants Scarce, VC11 Scarce	Nr Hetherhill Farm, Durley	SU521152	2009	2009	0
<i>Bromus commutatus</i>	Meadow brome	VC12 Scarce	Crondall, S of	SU796476	2009	2009	0
<i>Bromus secalinus</i>	Rye brome	Eng NT, GB VU, NS	Crondall, S of	SU795476	2009	2009	0
<i>Bromus secalinus</i>	Rye brome	Eng NT, GB VU, NS	Crondall, S of	SU796476	2011	2011	0
<i>Bromus secalinus</i>	Rye brome	Eng NT, GB VU, NS	Crondall	SU804483	2015	2015	0
<i>Bromus secalinus</i>	Rye brome	Eng NT, GB VU, NS	Mill Farm, Isington	SU761430	2017	2017	0

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<i>Butomus umbellatus</i>	Flowering-rush	Hants Scarce, VC12 Scarce	Cove	SU855548	2007	2007	0
<i>Buxus sempervirens</i>	Box	NR	Road to Bramdean Church	SU6127	1998	1998	1
<i>Buxus sempervirens</i>	Box	NR	West Tisted	SU6429	1999	1999	1
<i>Buxus sempervirens</i>	Box	NR	Mill Court, Froyle	SU7541	2009	2009	0
<i>Buxus sempervirens</i>	Box	NR	St Clair's Farm & Corhampton Forest	SU5721	2012	2012	0
<i>Calamagrostis epigejos</i>	Wood small-reed	VC12 Scarce	Liz's Lakes, Farnborough	SU849544	2009	2009	0
<i>Callitriche brutia</i>	Pedunculate water-starwort	VC12 Rare	Crookham, Dare's Lane	SU808503	2015	2015	0
<i>Callitriche hamulata</i>	Intermediate water-starwort	Hants Scarce, VC12 Rare	Bourley	SU8250	2011	2011	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Greendane Copse	SU822514	1988	1988	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Church Crookham	SU8151	1990	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Queen Elizabeth Park	SU868562	1990	1990	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Farnborough Airfield	SU845540	1993	1993	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Farnborough Airfield Compartment 9	SU845540	1993	1993	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Eelmoor Marsh	SU8453	1978	1994	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Barracks Land	SU815515	1995	1995	0

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<i>Calluna vulgaris</i>	Heather	Eng NT	Norris Hill & Gelvert Bottom	SU828530	1996	1996	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Eelmoor Marsh	SU8353	1975	1997	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Farnborough North Station Heath	SU876571	1997	1997	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Fleet, Near Foresters Inn	SU827527	2002	2002	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Tweseldown Racecourse	SU8249519 7	2003	2003	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Pyestock Playing Field Pines	SU837540	2004	2004	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Tweseldown Racecourse	SU8244519 4	2005	2005	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Tweseldown Racecourse	SU8248519 7	2005	2005	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Farnborough, Cody Park	SU840543	2006	2006	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Greendane Copse	SU822514	2007	2007	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Bourley	SU8250	2011	2011	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Church Crookham, E of	SU8252	1978	2011	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Brock's Hill Heath, Church Crookham	SU826523	2011	2011	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Tweseldown, Church Crookham	SU827521	2011	2011	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Fleet	SU8254	2012	2012	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Pyestock Area	SU8354	1978	2012	0
<i>Calluna vulgaris</i>	Heather	Eng NT	y Bridge	SU878565	2002	2012	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Ewshot	SU8149	2014	2014	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Brock's Heath	SU828525	2014	2014	0

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<i>Calluna vulgaris</i>	Heather	Eng NT	Cove, St John's Churchyard	SU8556	2014	2014	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Ball Hill	SU8434544 3	2015	2015	0
<i>Calluna vulgaris</i>	Heather	Eng NT	Ball Hill	SU8478543 3	2015	2015	0
<i>Camelina sativa</i>	Gold-of-pleasure	NS	Stephen's Castle Down	SU5621	2012	2012	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Bourley Area	SU8250	1978	1990	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	NE of Upham	SU5420	1997	1997	1
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Durley Street	SU5217	1998	1998	1
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Ropley Chalk Quarry	SU656305	2015	2015	0
<i>Campanula rotundifolia</i>	Harebell	Eng NT	Ropley Chalk Quarry	SU657304	2017	2017	0
<i>Carex distans</i>	Distant sedge	VC12 Rare	Farnborough, Liz's Lakes, Qinetiq	SU850544	2008	2008	0
<i>Carex distans</i>	Distant sedge	VC12 Rare	Ively Meadow	SU850544	2008	2008	0
<i>Carex distans</i>	Distant sedge	VC12 Rare	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Carex distans</i>	Distant sedge	VC12 Rare	Ively, Farnborough	SU849544	2011	2011	0
<i>Carex distans</i>	Distant sedge	VC12 Rare	Eelmoor Marsh, Tyte Track	SU838536	2013	2013	0
<i>Carex echinata</i>	Star sedge	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Carex echinata</i>	Star sedge	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Carex echinata</i>	Star sedge	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Carex echinata</i>	Star sedge	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Carex echinata</i>	Star sedge	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Carex echinata</i>	Star sedge	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Carex echinata</i>	Star sedge	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0

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<i>Carex echinata</i>	Star sedge	Eng NT	Eelmoor Marsh	SU835534	2009	2009	0
<i>Carex echinata</i>	Star sedge	Eng NT	Crookham Common	SU827529	2010	2010	0
<i>Carex echinata</i>	Star sedge	Eng NT	Eelmoor, Former Radio Research Station	SU836534	2010	2010	0
<i>Carex echinata</i>	Star sedge	Eng NT	Bourley	SU8250	2011	2011	0
<i>Carex echinata</i>	Star sedge	Eng NT	Gelvert Bottom	SU828530	2011	2011	0
<i>Carex echinata</i>	Star sedge	Eng NT	Gelvert Bottom, NE of Foresters Pub	SU827529	2013	2013	0
<i>Carex echinata</i>	Star sedge	Eng NT	Eelmoor Marsh	SU836533	2008	2013	0
<i>Carex echinata</i>	Star sedge	Eng NT	Brock's Heath	SU827526	2015	2015	0
<i>Carex echinata</i>	Star sedge	Eng NT	Brock's Heath	SU828525	2014	2015	0
<i>Carex echinata</i>	Star sedge	Eng NT	Brock's Heath	SU828526	2015	2015	0
<i>Carex echinata</i>	Star sedge	Eng NT	Southwood	SU850551	2015	2015	0
<i>Carex echinata</i>	Star sedge	Eng NT	Brock's Heath	SU827526	2014	2016	0
<i>Carex echinata</i>	Star sedge	Eng NT	Velmead Common	SU827530	2013	2016	0
<i>Carex echinata</i>	Star sedge	Eng NT	Velmead Common	SU828528	2016	2016	0
<i>Carex hostiana</i>	Tawny sedge	VC12 Scarce	Eelmoor Marsh S	SU8352	1996	1996	0
<i>Carex hostiana</i>	Tawny sedge	VC12 Scarce	Eelmoor Marsh	SU8353	1997	1997	0
<i>Carex hostiana</i>	Tawny sedge	VC12 Scarce	Eelmoor Marsh	SU8352	1994	1998	1100
<i>Carex pulicaris</i>	Flea sedge	Eng NT	Eelmoor Marsh	SU8352	1975	1997	1
<i>Carex pulicaris</i>	Flea sedge	Eng NT	Eelmoor Marsh	SU8353	1978	1997	0
<i>Carex rostrata</i>	Bottle sedge	VC12 Scarce	Fleet Area	SU8254	1990	1990	0
<i>Carex rostrata</i>	Bottle sedge	VC12 Scarce	Fleet Pond	SU8254	1980	1991	0
<i>Carex rostrata</i>	Bottle sedge	VC12 Scarce	Bourley	SU8250	2011	2011	0
<i>Carex vesicaria</i>	Bladder-sedge	Eng VU, Hants Scarce	Ewshot Meadows	SU816504	1995	1995	0
<i>Centaurea cyanus</i>	Cornflower	S41, HBAP	Ively, Farnborough	SU847544	2000	2000	6
<i>Centaurea cyanus</i>	Cornflower	S41, HBAP	Farnborough	SU848545	2000	2000	0
<i>Centaurea cyanus</i>	Cornflower	S41, HBAP	N of Farnborough Airfield	SU848545	2000	2000	6

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<i>Centaurea cyanus</i>	Cornflower	S41, HBAP	South of Ively Road	SU848545	2000	2000	6
<i>Cerastium diffusum</i>	Sea mouse-ear	VC12 Scarce	Bourley Road, Tweseldown	SU823518	2007	2009	0
<i>Cerastium diffusum</i>	Sea mouse-ear	VC12 Scarce	Bourley Road, Tweseldown	SU824517	2000	2009	0
<i>Ceratophyllum demersum</i>	Rigid hornwort	VC12 Scarce	Crookham Common Pond	SU825529	2012	2012	0
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock Hill, Farnborough	SU836539	1994	1994	1000
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock Playing Field	SU837540	1994	1994	1000
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock	SU835539	1997	1997	0
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock	SU836541	1994	1997	1000
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock Playing Field	SU836541	1997	1997	0
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock North	SU830545	2003	2003	0
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock Hill, Farnborough	SU833542	2003	2003	32
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock Playing Field	SU836540	2004	2004	0
<i>Chamaemelum nobile</i>	Chamomile	Eng VU, GB VU, S41, HBAP, VC12 Scarce	Pyestock Playing Field (South)	SU836540	2004	2004	0
<i>Chenopodium hybridum</i>	Maple-leaved goosefoot	Hants Scarce, VC12 Rare, VC11 Rare	Durley	SU519163	1997	1997	8
<i>Cichorium intybus</i>	Chicory	Eng VU	Norris Bridge, Fleet	SU833536	2015	2015	0
<i>Cirsium dissectum x palustre = C. x forsteri</i>	Thistle	Hants Rare, VC12 Rare	Fleet Pond	SU8254	1984	1987	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Betty Mundy's Bottom	SU583227	1992	1992	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Boorley Green	SU5014	1997	1997	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Durley	SU5116	1997	1997	1

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<i>Cruciata laevipes</i>	Crosswort	Eng NT	Tangier Fm	SU5317	1997	1997	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Wintershill	SU5318	1997	1997	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	NE of Upham	SU5420	1997	1997	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	E End Chancellors Lane	SU5115	1998	1998	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Street End & Ashton Fm	SU5519	1998	1998	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Priest Wood	SU5522	1998	1998	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	C9 Stephen's Castle Down	SU559214	1998	1998	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Lower Preshaw Fm	SU5622	1998	1998	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	The Beeches, Upham	SU545200	1999	1999	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Stephen's Castle Down	SU558214	1999	1999	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Stephen's Castle Down	SU5621	1999	1999	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Warnford Plantation Lomer	SU588240	1999	1999	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Godwin's Plantation, Bramdean	SU621269	1999	1999	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	E of Brockwood Copse West Meon	SU6225	1999	1999	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Brockwood Park	SU622270	2000	2000	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Stephen's Castle Down (West)	SU558210	2002	2002	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Brockwood Copse Strip	SU624260	2005	2005	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Bramdean Common - The Plantation	SU639293	2005	2005	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Brockwood	SU6225	2008	2009	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Roke Farm, Bishops Waltham	SU5418	2011	2011	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	West of Warnford	SU5923	2011	2011	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Kilmeston	SU5925	2011	2011	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Upham	SU5420	2012	2012	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Stephen's Castle Down	SU5520	1999	2012	1
<i>Cruciata laevipes</i>	Crosswort	Eng NT	West of Stephen's Castle Down	SU5520	2012	2012	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Ower Farm, Upham	SU5521	2012	2012	0

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<i>Cruciata laevipes</i>	Crosswort	Eng NT	Stephen's Castle Down	SU5621	2012	2012	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	St Clair's Farm & Corhampton Forest	SU5721	2012	2012	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Brockwood Park Area A	SU622270	2012	2012	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Cross Lane	SU5419	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	C9 Belmore Junction, Upham	SU558210	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Gorswood	SU6024	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Bramdean And South of Bramdean	SU6127	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Bramdean, E of	SU6227	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Bramdean, E of	SU6228	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	West Tisted, SW of	SU6428	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Lower Farringdon, S of	SU7034	2014	2014	0
<i>Cruciata laevipes</i>	Crosswort	Eng NT	Brown Heath, Durley Mill.	SU5215	2017	2017	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Tweseldown Racecourse	SU824523	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Bourley Area	SU8250	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Tweseldown Area	SU8251	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Church Crookham, E of	SU8252	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Pondtail Heath	SU8253	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Crookham Common	SU827531	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Pyestock Area	SU8354	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Southwood	SU835549	1990	1990	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Crookham Common	SU828532	2003	2003	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Brock's Hill, Church Crookham	SU827523	2005	2005	1
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Gelvert Bottom	SU827532	2005	2005	14
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Crookham Common	SU824527	2006	2006	0
<i>Cuscuta epithimum</i>	Dodder	Eng VU, GB VU	Crookham Common	SU825526	2006	2006	0

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<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Crookham Common	SU825527	1990	2006	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Crookham Common, Gelvert Bottom	SU827532	2006	2006	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Crookham Common, Nr Foresters Hill	SU824527	2007	2007	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Crookham Common, Nr Foresters Hill	SU825526	2007	2007	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Hill, Church Crookham	SU827525	2010	2010	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Hill Heath, Church Crookham	SU826523	2011	2011	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Hill Heath	SU826524	2007	2011	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Tweseldown, Church Crookham	SU827521	2011	2011	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Hill, Church Crookham	SU827524	2011	2011	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Hill Heath	SU828523	2009	2011	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Norris Hill, Fleet	SU833532	2004	2011	2
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Hill Heath	SU830526	2009	2012	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Tweseldown	SU824522	2014	2014	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Tweseldown	SU826518	2014	2014	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brocks Hill	SU826524	2014	2014	0
<i>Cuscuta epithymum</i>	Dodder	Eng VU, GB VU	Brock's Heath	SU830526	2014	2014	0
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	VC12 Rare	Eelmoor Marsh S	SU8352	2006	2006	28
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	VC12 Rare	Eelmoor Marsh	SU8353	2004	2006	33
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	VC12 Rare	Eelmoor Marsh	SU8453	1978	2006	28
<i>Dactylorhiza incarnata</i> subsp. <i>pulchella</i>	Early marsh-orchid	VC12 Rare	Eelmoor Marsh	SU8352	1977	2013	0
<i>Dipsacus pilosus</i>	Small teasel	Hants Scarce, VC11 Rare, VC12 Scarce	Noar Copse	SU707361	1990	1990	0

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<i>Dipsacus pilosus</i>	Small teasel	Hants Scarce, VC11 Rare, VC12 Scarce	Bentley, Coldrey Lake	SU771440	2007	2007	65
<i>Dipsacus pilosus</i>	Small teasel	Hants Scarce, VC11 Rare, VC12 Scarce	Upper Froyle, Near R. Wey	SU759423	2009	2009	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Bourley Area	SU8250	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Church Crookham, E of	SU8252	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Pondtail Heath	SU8253	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Fleet Area	SU8254	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Gelvert Bottom, NE of Foresters Pub	SU827529	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Crookham Heath, Brock's Hill	SU828524	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Long Valley/Eelmoor Marsh Area	SU8352	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1990	1990	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Eelmoor Marsh	SU8453	1977	1994	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Eelmoor Marsh	SU8352	1978	1997	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Eelmoor Marsh	SU8353	1975	1997	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Crookham Bog, E of Church Crookham	SU828526	2002	2002	240
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Brock's Hill, Church Crookham	SU828524	2007	2008	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Brock's Hill Heath	SU828526	2008	2008	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Gelvert Bottom, Church Crookham	SU827528	2008	2009	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Bourley	SU8250	2011	2011	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Brock's Hill Heath	SU827526	2008	2011	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Gelvert Bottom	SU827528	1983	2014	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Brock's Heath	SU828524	1983	2014	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Brock's Hill Heath	SU828524	2007	2014	0

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<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Brock's Hill Heath	SU828525	2014	2014	0
<i>Drosera intermedia</i>	Oblong-leaved sundew	Eng VU	Velmead Common	SU827528	2013	2016	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Fleet Area	SU8254	1990	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Fleet, Near Foresters Inn	SU827527	1990	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Eelmoor Marsh	SU8453	1994	1994	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Eelmoor Marsh	SU8352	1997	1997	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Eelmoor Marsh	SU8353	1975	1997	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Farnborough North Station Heath	SU876571	1997	1997	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Gelvert Bottom, Church Crookham	SU827528	2008	2008	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Bourley	SU8250	2011	2011	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Crookham Common	SU827530	2012	2012	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Velmead Common	SU827528	2013	2013	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Brock's Hill Heath	SU830525	2013	2013	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Brock's Heath	SU828524	1983	2014	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Eelmoor Marsh	SU836533	2008	2015	0
<i>Drosera rotundifolia</i>	Round-leaved sundew	Eng NT	Velmead Common	SU828527	2016	2016	0
<i>Elatine hexandra</i>	Six-stamened waterwort	HBAP, Hants Scarce, VC12 Scarce, VC11 Rare	Farnborough Green, Hampshire	SU875573	1991	1991	0

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<i>Elatine hexandra</i>	Six-stamened waterwort	HBAP, Hants Scarce, VC12 Scarce, VC11 Rare	Farnborough Green, Hampshire	SU875574	1991	1991	0
<i>Elatine hexandra</i>	Six-stamened waterwort	HBAP, Hants Scarce, VC12 Scarce, VC11 Rare	River Blackwater, Farnborough Green	SU8756	1991	1991	0
<i>Elatine hexandra</i>	Six-stamened waterwort	HBAP, Hants Scarce, VC12 Scarce, VC11 Rare	River Blackwater, Farnborough Green	SU8757	1991	1991	0
<i>Elatine hexandra</i>	Six-stamened waterwort	HBAP, Hants Scarce, VC12 Scarce, VC11 Rare	Fleet Pond and Immediate Area	SU8254	1994	1994	0
<i>Eleocharis acicularis</i>	Needle spike-rush	Eng NT, Hants Scarce, VC12 Scarce, VC11 Scarce	Basingstoke Canal	SU8352	1990	1990	0
<i>Eleocharis acicularis</i>	Needle spike-rush	Eng NT, Hants Scarce, VC12 Scarce, VC11 Scarce	Basingstoke Canal, W of Eelmoor	SU8352	1990	1990	0
<i>Eleocharis acicularis</i>	Needle spike-rush	Eng NT, Hants Scarce, VC12 Scarce, VC11 Scarce	Basingstoke Canal, Norris Bridge Area	SU8353	1990	1990	0
<i>Eleocharis acicularis</i>	Needle spike-rush	Eng NT, Hants Scarce, VC12 Scarce, VC11 Scarce	Basingstoke Canal	SU8353	1989	1992	0
<i>Eleocharis acicularis</i>	Needle spike-rush	Eng NT, Hants Scarce, VC12 Scarce, VC11 Scarce	Norris Bridge, Basingstoke Canal	SU8353	1992	1992	0
<i>Eleogiton fluitans</i>	Floating club-rush	VC12 Scarce	Bourley Area	SU8250	1978	1990	0
<i>Eleogiton fluitans</i>	Floating club-rush	VC12 Scarce	Fleet Pond	SU8254	1990	1990	0
<i>Eleogiton fluitans</i>	Floating club-rush	VC12 Scarce	Norris Hill & Gelvert Bottom	SU828530	1996	1996	0
<i>Epilobium roseum</i>	Pale willowherb	VC12 Rare	Eelmoor Marsh	SU841537	2015	2015	0
<i>Epilobium roseum</i>	Pale willowherb	VC12 Rare	North Eelmoor	SU841537	2015	2015	0
<i>Epipactis palustris</i>	Marsh helleborine	Eng EN, Hants Scarce, VC11 Rare, VC12 Scarce	Eelmoor Marsh	SU8352	1977	1994	0
<i>Epipactis palustris</i>	Marsh helleborine	Eng EN, Hants Scarce, VC11 Rare, VC12 Scarce	Eelmoor Marsh S	SU8352	1996	1996	71
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Pyestock	SU837539	1987	1987	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh Sssi	SU836533	1992	1992	1

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<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Norris Hill & Gelvert Bottom	SU83415339	1997	1997	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	A323 Norris Hill, Fleet	SU834534	1997	1997	17
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU8453	1997	1997	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Cove Radio Station	SU836533	1978	2003	5
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Old Peatmoor Heath, Eelmoor	SU839536	2004	2004	6
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh, Cove Radio Station	SU835533	2005	2005	3
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Norris Bridge, E of	SU834536	2006	2006	10
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Pyestock Hill, E of	SU835537	2007	2007	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor, Tyte Track	SU838537	2007	2007	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Farnborough	SU844542	2007	2007	12
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Norris Bridge, East of	SU834534	2008	2008	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Norris Bridge, East of	SU834535	2008	2008	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Church Crookham, E of	SU827527	2009	2009	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Church Crookham, E of	SU831528	2009	2009	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Cody Technology Park, Farnborough	SU844541	2007	2009	10

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<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Church Crookham, E of	SU830528	2009	2010	6
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU836533	2010	2010	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor, Tyte Track	SU837538	2007	2011	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor, Tyte Track	SU839537	2011	2011	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh, Tyte Track	SU840537	2010	2011	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Basingstoke Canal, E of Norris Bridge	SU835536	2012	2012	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Pyestock Hill	SU834536	2000	2013	19
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU835533	2007	2013	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor, Tyte Track	SU839536	2013	2013	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU839537	2007	2014	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Cody Technology Park	SU844542	2008	2014	12
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU834536	2015	2015	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU838536	2015	2015	0
<i>Epipactis phyllanthes</i>	Green-flowered helleborine	NS, HBAP, Hants Scarce	Eelmoor Marsh	SU839536	2007	2015	0
<i>Epipactis phyllanthes</i> var. <i>vectensis</i>	<i>Epipactis phyllanthes</i> var. <i>vectensis</i>	NS, HBAP, Hants Scarce	Church Crookham, E of	SU831528	2013	2013	0
<i>Equisetum fluviatile</i> x <i>arvense</i> = <i>E. x litorale</i>	Shore horsetail	Hants Scarce, VC11 Scarce, VC12 Scarce	Basingstoke Canal, Norris Hill Area	SU8353	2005	2005	0

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<i>Equisetum pratense</i>	Shady horsetail	Eng NT, NS	Froyle Pond	SU758423	1991	1991	0
<i>Equisetum sylvaticum</i>	Wood horsetail	Hants Scarce, VC12 Scarce	Ewshot, Beacon Hill	SU8250	1960	1992	0
<i>Equisetum sylvaticum</i>	Wood horsetail	Hants Scarce, VC12 Scarce	Skains Copse, Ewshot	SU813500	1984	1998	550
<i>Equisetum sylvaticum</i>	Wood horsetail	Hants Scarce, VC12 Scarce	Woodlands, Ewshot	SU813500	2007	2007	0
<i>Equisetum sylvaticum</i>	Wood horsetail	Hants Scarce, VC12 Scarce	Woodlands 'D' Ewshot	SU814501	2007	2007	0
<i>Equisetum sylvaticum</i>	Wood horsetail	Hants Scarce, VC12 Scarce	Bourley	SU8250	2011	2011	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Pondtail Heath	SU8253	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Farnborough Town Cemetery	SU866558	1991	1991	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Farnborough Airfield	SU845540	1993	1993	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Farnborough Airfield Compartment 9	SU845540	1993	1993	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Norris Hill & Gelvert Bottom	SU828530	1996	1996	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Eelmoor Marsh	SU8453	1978	1997	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Norris Hill	SU833532	2004	2004	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Tweseldown Racecourse	SU8244519 4	2005	2005	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Tweseldown Racecourse	SU8248519 7	2005	2005	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Farnborough Town Cemetery	SU866558	1999	2005	0

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<i>Erica cinerea</i>	Bell heather	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Greendane Copse	SU822514	2007	2007	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Bourley	SU8250	2011	2011	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Church Crookham, E of	SU8252	1978	2011	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Brock's Hill Heath, Church Crookham	SU826523	2011	2011	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Norris Hill, Fleet	SU833532	2011	2011	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Fleet	SU8254	2012	2012	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Pyestock Area	SU8354	1978	2012	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Ewshot	SU8149	2014	2014	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Cove, St John's Churchyard	SU8556	2014	2014	0
<i>Erica cinerea</i>	Bell heather	Eng NT	Ball Hill	SU8434544 3	2015	2015	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Pondtail Heath	SU8253	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Fleet Area	SU8254	1990	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Norris Hill/Delmoor Marsh Area	SU8353	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Pyestock Area	SU8354	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Southwood/Farnborough Area	SU8454	1990	1990	0

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<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Eelmoor Marsh	SU8453	1978	1994	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Norris Hill & Gelvert Bottom	SU828530	1996	1996	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Eelmoor Marsh	SU8352	1978	1997	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Eelmoor Marsh	SU8353	1975	1997	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Farnborough North Station Heath	SU876571	1997	1997	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Fleet, Near Foresters Inn	SU827527	2002	2002	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Bourley	SU8250	2011	2011	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Fleet	SU8254	2012	2012	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Blackwater Valley, Frimley Bridge	SU878565	2002	2012	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Brock's Heath	SU828525	2014	2014	0
<i>Erica tetralix</i>	Cross-leaved heath	Eng NT	Brock's Heath	SU828524	2015	2015	0
<i>Erica vagans</i>	Cornish heath	Eng NT, NR, CI	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Bourley Area	SU8250	1990	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Pondtail Heath	SU8253	1978	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Fleet Area	SU8254	1990	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Pyestock Area	SU8354	1990	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Southwood/Farnborough Area	SU8454	1990	1990	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Eelmoor Marsh	SU8453	1978	1994	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Eelmoor Marsh	SU8353	1975	1997	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Eelmoor, Former Radio Station	SU8353	2009	2009	0

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<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Bourley	SU8250	2011	2011	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Church Crookham, E of	SU8252	1978	2011	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Crookham Bog, E of Church Crookham	SU828526	2012	2012	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Brock's Heath	SU828524	2014	2014	0
<i>Eriophorum angustifolium</i>	Common cottongrass	Eng VU	Brock's Heath	SU828526	2014	2014	0
<i>Euphorbia cyparissias</i>	Cypress spurge	Hants Scarce, VC12 Rare, VC11 Scarce	Church Crookham, E of	SU832529	2015	2015	0
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	Warnford Plantation Lomer	SU588240	1999	1999	1
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	Chawton House Arable Margins	SU718372	1999	1999	0
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	Alton, S of	SU726374	2007	2007	0
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	Froyle Area, Anchor Public House 1km Sq	SU7643	2009	2009	0
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	West of Warnford	SU5923	2011	2011	0
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	Preshaw West	SU5622	2012	2012	0
<i>Euphorbia exigua</i>	Dwarf spurge	Eng VU, GB NT	Bramdean And South of Bramdean	SU6127	2014	2014	0
<i>Euphorbia platyphyllos</i>	Broad-leaved spurge	HBAP, Hants Scarce, VC11 Scarce, VC12 Scarce	Lower Froyle	SU765437	2002	2002	100
<i>Euphorbia platyphyllos</i>	Broad-leaved spurge	HBAP, Hants Scarce, VC11 Scarce, VC12 Scarce	Alton, S of	SU727375	2007	2007	500
<i>Euphorbia platyphyllos</i>	Broad-leaved spurge	HBAP, Hants Scarce, VC11 Scarce, VC12 Scarce	Froyle, SW of Anchor Public House	SU762436	2009	2009	500
<i>Euphorbia platyphyllos</i>	Broad-leaved spurge	HBAP, Hants Scarce, VC11 Scarce, VC12 Scarce	Froyle, SW of Anchor Public House	SU763436	2009	2009	500
<i>Euphorbia platyphyllos</i>	Broad-leaved spurge	HBAP, Hants Scarce, VC11 Scarce, VC12 Scarce	Froyle Area, Anchor Public House 1km Sq	SU7643	2009	2009	0
<i>Euphorbia platyphyllos</i>	Broad-leaved spurge	HBAP, Hants Scarce, VC11 Scarce, VC12 Scarce	Froyle, SW of Anchor Public House	SU765435	2009	2009	500
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Stephen's Castle Down	SU5520	1999	1999	1

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<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Froyle Chalk Quarry	SU7644	2008	2008	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Eelmoor Marsh	SU8353	2008	2008	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Eelmoor Marsh	SU835533	2009	2009	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Eelmoor, Former Radio Research Station	SU835537	2009	2009	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Eelmoor	SU836538	2009	2009	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Eelmoor Marsh	SU836533	2010	2010	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Norris Hill	SU832533	2011	2011	0
<i>Euphrasia nemorosa</i>	Eyebright	Eng NT	Lower Froyle, E of	SU7644	2013	2013	0
<i>Euphrasia officinalis</i> subsp. <i>anglica</i>	Small-flowered sticky eyebright	Eng EN, GB EN, S41, Hants Rare, VC12 Rare	Aldershot Ranges: Bourley Hill Ranges	SU8250	1991	1991	0
<i>Filago minima</i>	Small cudweed	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Filago minima</i>	Small cudweed	Eng NT	Cody Technology Park, Farnborough	SU844539	2008	2008	0
<i>Filago minima</i>	Small cudweed	Eng NT	Southwood	SU8354	2010	2010	0
<i>Filago minima</i>	Small cudweed	Eng NT	Tweseldown	SU825517	2011	2011	0
<i>Filago minima</i>	Small cudweed	Eng NT	Eelmoor	SU836536	2014	2014	0
<i>Filago minima</i>	Small cudweed	Eng NT	Cody Technology Park	SU844539	2014	2014	0
<i>Filago minima</i>	Small cudweed	Eng NT	Eelmoor Marsh	SU836536	2015	2015	0
<i>Filago minima</i>	Small cudweed	Eng NT	Brock's Heath	SU828524	2016	2016	0
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	Tweseldown, w of	SU821520	2007	2007	0
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	Eelmoor Marsh, Tyte Track	SU838536	2007	2007	0
<i>Filago vulgaris</i>	Common cudweed	Eng NT, GB NT	Durley	SU5116	2016	2016	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0

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<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Pyestock Area	SU8354	1978	1990	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Railwayline Row, Southfield Farm	SU701360	1991	1991	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Betty Mundy's Bottom	SU583227	1992	1992	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Crookhorn Copse	SU584222	1992	1992	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Warnford Plantation	SU590239	1992	1992	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Lomer Rows	SU594234	1992	1992	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Water Lane CHS	SU735375	1992	1992	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Riddings Copse	SU810506	1995	1995	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Durley	SU5116	1997	1997	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	NE of Upham	SU5420	1997	1997	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	E End Chancellors Lane	SU5115	1998	1998	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	N of Wintershill	SU5318	1998	1998	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Street End & Ashton Fm	SU5519	1998	1998	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Priest Wood	SU5522	1998	1998	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Lower Preshaw Fm	SU5622	1998	1998	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Stephen's Castle Down	SU558214	1999	1999	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	E of Brockwood Copse West Meon	SU6225	1999	1999	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Bramdean Common, West Tisted	SU6329	1999	1999	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Bramdean Common - The Plantation	SU639293	2005	2005	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Joan's Acre Wood	SU614260	2008	2008	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Froyle Chalk Quarry	SU7644	2005	2008	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Crondall Area	SU7948	2008	2008	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Eelmoor Marsh	SU8353	1978	2008	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Mincingfield Lane, Durley	SU5217	2009	2009	1
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Froyle Area, Church 1km Sq	SU7542	2009	2009	0

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<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Froyle North East Area	SU7745	2009	2009	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	West of Warnford	SU5923	2011	2011	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Wolfhanger Farm Wood, Bramdean and Hinton Ampner	SU634287	2011	2011	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Swelling Hill, Near Ropley	SU6632	2011	2011	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Upper Froyle	SU754426	2011	2011	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Durley	SU5216	2012	2012	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Preshaw West	SU5622	2004	2012	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	St Clair's Farm & Corhampton Forest	SU5721	2012	2012	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Upper Farringdon	SU7135	2012	2012	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Fleet	SU8254	2012	2012	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Little Down	SU661313	2013	2013	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	U228 Woodside Lane, Farringdon	SU699355	2013	2013	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Lower Froyle, E of	SU7644	2013	2013	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Withy Copse (remnant)	SU802491	2013	2013	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Bushylease Wood, Ewshot	SU808493	2013	2013	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Ewshot Wood	SU808496	2013	2013	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Claylands	SU5418	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Bramdean Common	SU6329	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Lower Farringdon, S of	SU7034	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	East Worldham, NW of	SU7439	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Crondall	SU7948	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Crondall, SE of	SU8047	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Ewshot	SU8149	2014	2014	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Church Crookham, E of	SU832529	2015	2015	0

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<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Brown Heath, Durley Mill	SU5215	2017	2017	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Ropley Chalk Quarry	SU656305	2017	2017	0
<i>Fragaria vesca</i>	Wild strawberry	Eng NT	Four Marks, E of	SU6934	2017	2017	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor, Tyte Track	SU838537	2009	2009	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor, Former Radio Research Station	SU837537	2009	2011	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor, Tyte Track	SU837537	2008	2013	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor Marsh, Tyte Track	SU838536	2007	2013	30
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Cody Technology Park, Farnborough	SU844539	2008	2013	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor Marsh	SU837536	2015	2015	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor Marsh	SU837537	2015	2015	0
<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor Marsh	SU838536	2015	2015	0

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<i>Galium parisiense</i>	Wall bedstraw	Eng VU, GB VU, NS, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Cody Technology Park	SU844539	2015	2015	0
<i>Gaudinia fragilis</i>	French Oat-grass	NS, Hants Scarce, VC11 Rare	Claylands, Bishops Waltham	SU5418	1998	1998	0
<i>Genista anglica</i>	Petty whin	Eng VU, GB NT	Nr Crookham Bog, E of Fleet	SU828525	1987	1987	0
<i>Genista anglica</i>	Petty whin	Eng VU, GB NT	Crookham Common	SU828529	1987	1987	0
<i>Genista anglica</i>	Petty whin	Eng VU, GB NT	Tweseldown Area	SU8251	1990	1990	0
<i>Genista anglica</i>	Petty whin	Eng VU, GB NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Genista anglica</i>	Petty whin	Eng VU, GB NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Genista anglica</i>	Petty whin	Eng VU, GB NT	Pondtail Heath, Fleet	SU828534	2004	2004	2
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot Marsh	SU815505	1983	1987	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot	SU813507	1987	1988	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot	SU814508	1984	1988	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot	SU815505	1988	1988	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot	SU816505	1987	1988	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot	SU817504	1987	1988	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot	SU815506	1994	1994	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Barracks Land	SU815515	1995	1995	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot Meadows	SU816504	1985	1995	0
<i>Genista tinctoria</i>	Dyer's greenweed	Eng VU, VC12 Scarce	Ewshot Meadows	SU816504	2005	2005	0
<i>Gentianella amarella</i>	Autumn gentian	Eng NT	Ropley Chalk Quarry	SU656305	2015	2017	0
<i>Geranium sanguineum</i>	Bloody crane's-bill	Eng NT	Farnborough	SU839539	1988	1988	0
<i>Geranium sanguineum</i>	Bloody crane's-bill	Eng NT	Froyle Chalk Quarry	SU7644	2008	2008	0
<i>Glebionis segetum</i>	Corn marigold	Eng VU, GB VU	Fleet Area	SU8254	1990	1990	0
<i>Gnaphalium sylvaticum</i>	Heath cudweed	Eng EN, GB EN, HBAP, Hants Scarce	Bramdean Common	SU6329	1988	1988	0
<i>Gnaphalium sylvaticum</i>	Heath cudweed	Eng EN, GB EN, HBAP, Hants Scarce	Southwood	SU8354	1984	1991	0

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<i>Gnaphalium sylvaticum</i>	Heath cudweed	Eng EN, GB EN, HBAP, Hants Scarce, VC11 Rare	Brockwood Copse	SU6225	1997	1997	1
<i>Gnaphalium sylvaticum</i>	Heath cudweed	Eng EN, GB EN, HBAP, Hants Scarce, VC11 Rare	Brockwood Copse, Warnford	SU625256	1997	1997	100
<i>Gnaphalium sylvaticum</i>	Heath cudweed	Eng EN, GB EN, HBAP, Hants Scarce, VC11 Rare	Around Brockwood Copse, West Meon	SU6225	1999	1999	1
<i>Gnaphalium sylvaticum</i>	Heath cudweed	Eng EN, GB EN, HBAP, Hants Scarce, VC11 Rare	Brockwood Park	SU624263	2010	2010	10
<i>Helianthemum nummularium</i>	Common rock-rose	Eng NT	Froyle Area, Cemetery 1km Sq	SU7543	2009	2009	0
<i>Helianthemum nummularium</i>	Common rock-rose	Eng NT	St Clair's Farm & Corhampton Forest	SU5721	2012	2012	0
<i>Helianthemum nummularium</i>	Common rock-rose	Eng NT	Ropley Chalk Quarry	SU656305	2015	2015	0
<i>Helianthemum nummularium</i>	Common rock-rose	Eng NT	Ropley Chalk Quarry	SU657305	2017	2017	0
<i>Helleborus foetidus</i>	Stinking hellebore	NS, HBAP	Froyle Chalk Quarry	SU7644	2005	2005	0
<i>Hydrocharis morsus-ranae</i>	Frogbit	Eng VU, GB VU, Hants Rare, VC11 Rare, VC12 Rare	Basingstoke Canal	SU8253	1990	1990	0
<i>Hydrocharis morsus-ranae</i>	Frogbit	Eng VU, GB VU, Hants Rare, VC11 Rare, VC12 Rare	Pondtail Flash	SU8253	1991	1991	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Southwood/Farnborough Area	SU8454	1990	1990	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Bourley	SU8250	2011	2011	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Fleet	SU8254	2012	2012	0
<i>Hydrocotyle vulgaris</i>	Marsh pennywort	Eng NT	Brock's Heath	SU828524	2014	2014	0
<i>Hypericum elodes</i>	Marsh St John's-wort	Eng NT	Bourley	SU8250	2011	2011	0

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<i>Hypericum elodes</i>	Marsh St John's-wort	Eng NT	Long Valley Heath	SU832528	2016	2016	0
<i>Hypericum montanum</i>	Pale St John's-wort	GB NT, Hants Rare, VC12 Rare	Lee Wood, Crondall	SU7847	1997	1997	0
<i>Jasione montana</i>	Sheep's-bit	Eng VU, VC12 Scarce	Laffan's Plain, Aldershot	SU8453	1987	1987	0
<i>Jasione montana</i>	Sheep's-bit	Eng VU, VC12 Scarce	Farnborough	SU842541	1990	1990	0
<i>Jasione montana</i>	Sheep's-bit	Eng VU, VC12 Scarce	Tweseldown	SU8251	1984	1991	0
<i>Jasione montana</i>	Sheep's-bit	Eng VU, VC12 Scarce	Farnborough Cemetery, Victoria Road	SU865557	1998	1998	0
<i>Jasione montana</i>	Sheep's-bit	Eng VU, VC12 Scarce	Farnborough Cemetery, Victoria Road	SU865558	2011	2011	0
<i>Jasione montana</i>	Sheep's-bit	Eng VU, VC12 Scarce	Farnborough Town Cemetery	SU866558	2005	2011	0
<i>Juncus articulatus x acutiflorus = J. x surrejanus</i>	Rush	Hants Rare, VC11 Rare, VC12 Rare	Crookham Common	SU824529	1989	1989	0
<i>Juncus articulatus x acutiflorus = J. x surrejanus</i>	Rush	Hants Rare, VC11 Rare, VC12 Rare	Norris Hill East	SU831532	1989	1989	0
<i>Juncus articulatus x acutiflorus = J. x surrejanus</i>	Rush	Hants Rare, VC11 Rare, VC12 Rare	Norris Hill, Near	SU8353	1989	1989	0
<i>Juncus effusus x conglomeratus = J. x kern-reichgeltii</i>	Rush	Hants Rare, VC12 Rare, VC11 Rare	Church Crookham, Gelvert Bottom	SU830530	2009	2009	0
<i>Juncus foliosus</i>	Leafy rush	Hants Scarce, VC12 Rare	Brock's Hill Heath	SU828524	1985	1992	0
<i>Juncus foliosus</i>	Leafy rush	Hants Scarce, VC12 Rare	Norris Hill West	SU833531	1992	1992	0
<i>Juncus subnodulosus</i>	Blunt-flowered rush	Hants Scarce, VC11 Scarce, VC12 Scarce	Basingstoke Canal	SU8352	1989	1989	0
<i>Juncus subnodulosus</i>	Blunt-flowered rush	Hants Scarce, VC11 Scarce, VC12 Scarce	Pondtail Heath	SU8253	1983	1990	0
<i>Juncus subnodulosus</i>	Blunt-flowered rush	Hants Scarce, VC11 Scarce, VC12 Scarce	Long Valley/Eelmoor Marsh Area	SU8352	1990	1990	0

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<i>Juncus subnodulosus</i>	Blunt-flowered rush	Hants Scarce, VC11 Scarce, VC12 Scarce	Basingstoke Canal, Pondtail Heath	SU829535	2003	2005	0
<i>Juncus subnodulosus</i>	Blunt-flowered rush	Hants Scarce, VC11 Scarce, VC12 Scarce	Basingstoke Canal, W of Norris Hill	SU829535	2003	2012	0
<i>Juncus subnodulosus</i>	Blunt-flowered rush	Hants Scarce, VC11 Scarce, VC12 Scarce	Former Southwood Golf Course Marsh	SU854547	2017	2017	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	NE of Upham	SU5420	1997	1997	1
<i>Knautia arvensis</i>	Field scabious	Eng NT	C9 Stephen's Castle Down	SU559214	1998	1998	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Stephen's Castle Down	SU558214	1999	1999	1
<i>Knautia arvensis</i>	Field scabious	Eng NT	Brockwood Park	SU622270	2000	2000	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Stephen's Castle Down (West)	SU558210	2002	2002	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Froyle Chalk Quarry	SU7644	2006	2006	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Hussey's Lane (south) Lower Froyle	SU7644	2008	2008	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Crondall, S of	SU7947	2008	2008	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Crondall Area	SU7948	2008	2008	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Ashton	SU544192	2009	2009	1
<i>Knautia arvensis</i>	Field scabious	Eng NT	Froyle Area, Cemetery 1km Sq	SU7543	2009	2009	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	West of Warnford	SU5923	2011	2011	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Kilmeston	SU5925	2011	2011	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	West of Stephen's Castle Down	SU5520	2012	2012	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Stephen's Castle Down	SU5621	2012	2012	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	St Clair's Farm & Corhampton Forest	SU5721	2012	2012	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Brockwood Park Area A	SU622270	2012	2012	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Chawton:	SU7036	2012	2012	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Little Down	SU661313	2013	2013	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	U228 Woodside Lane, Farrington	SU699355	2013	2013	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Lower Froyle, E of	SU7644	2013	2013	0

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<i>Knautia arvensis</i>	Field scabious	Eng NT	Crondall, SW of	SU7847	2013	2013	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Gorswood	SU6024	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Bramdean And South of Bramdean	SU6127	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Bramdean, E of	SU6228	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	West Tisted, SW of	SU6428	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Lower Farringdon, S of	SU7034	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	East Worldham, NW of	SU7439	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Crondall	SU7948	2009	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Crondall, SW of	SU8047	2014	2014	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Ropley Chalk Quarry	SU656305	2015	2017	0
<i>Knautia arvensis</i>	Field scabious	Eng NT	Crondall, S of	SU8047	2017	2017	0
<i>Lathyrus linifolius</i>	Bitter-vetch	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Lathyrus linifolius</i>	Bitter-vetch	Eng NT	Fleet Area	SU8254	1990	1990	0
<i>Lathyrus linifolius</i>	Bitter-vetch	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Lathyrus linifolius</i>	Bitter-vetch	Eng NT	Wangfield Lane, Curdridge	SU5214	1998	1998	1
<i>Lathyrus linifolius</i>	Bitter-vetch	Eng NT	Ford Lake, Durley	SU5115	2006	2006	1
<i>Lathyrus linifolius</i>	Bitter-vetch	Eng NT	Bourley	SU8250	2011	2011	0
<i>Lathyrus sylvestris</i>	Narrow-leaved everlasting-pea	Hants Scarce, VC12 Scarce, VC11 Rare	Pondtail Heath	SU8253	1990	1990	0
<i>Lepidium heterophyllum</i>	Smith's pepperwort	VC12 Rare	Ewshot	SU813509	2011	2011	0
<i>Linaria repens</i>	Pale toadflax	Hants Scarce, VC12 Scarce, VC11 Scarce	Stephen's Castle Down	SU562214	2000	2000	1
<i>Linum bienne</i>	Pale flax	VC12 Rare	Farnborough, Liz's Lakes, Qinetiq	SU850544	2003	2003	0
<i>Littorella uniflora</i>	Shoreweed	VC12 Scarce	Bourley Bottom	SU8250	1977	1987	0
<i>Littorella uniflora</i>	Shoreweed	VC12 Scarce	Bourley	SU8250	1983	2011	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Crookham Common	SU8252	1991	1991	0

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<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Crookham Common	SU8253	1991	1991	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Crookham Common	SU828528	1992	1992	42
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Crookham Heath, Brock's Hill	SU828524	2006	2006	33
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Nr Brock's Hill, Church Crookham	SU828524	2004	2007	27
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill, Crookham Bog	SU827526	2010	2011	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill, Church Crookham	SU828524	2005	2012	69
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill Heath	SU827526	1984	2014	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Gelvert Bottom, Church Crookham	SU827528	2009	2014	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill Heath	SU828524	1990	2014	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill Heath	SU828525	2014	2014	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill Heath	SU830525	2013	2014	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Hill Heath	SU830526	2013	2014	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Heath	SU830526	2015	2015	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Velmead Common	SU827528	2015	2016	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Heath	SU828524	1983	2016	0
<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Heath	SU828525	2016	2016	0

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<i>Lycopodiella inundata</i>	Marsh clubmoss	Eng EN, GB EN, NS, S41, HBAP, VC12 Scarce	Brock's Heath	SU830525	2015	2016	0
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	Eng VU, HBAP, Hants Rare, VC11 Rare, VC12 Rare	Long Valley, NW of	SU8352	2009	2009	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Greendane Copse	SU822514	1988	1988	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Church Crookham, E of	SU8252	1990	1990	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Barracks Land	SU815515	1995	1995	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Wakeford's Copse	SU819514	1996	1996	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	E End Chancellors Lane	SU519152	2008	2008	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Tweseldown	SU822522	2009	2009	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Ewshot Wood	SU808496	2013	2013	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Aunts Pool Heath	SU821522	2014	2014	0
<i>Melampyrum pratense</i>	Common cow-wheat	Eng NT	Brock's Heath	SU824523	2014	2014	0
<i>Melampyrum pratense</i> subsp. <i>pratense</i>	Common cow-wheat	Eng NT	Church Crookham	SU824524	2002	2002	0
<i>Melampyrum pratense</i> subsp. <i>pratense</i>	Common cow-wheat	Eng NT	Church Crookham, Aldershot Road	SU824524	2002	2002	0
<i>Mentha arvensis</i>	Corn mint	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Mentha arvensis</i>	Corn mint	Eng NT	Pyestock Area	SU8354	1978	1990	0
<i>Mentha arvensis</i>	Corn mint	Eng NT	Around Brockwood Copse, West Meon	SU6225	1999	1999	1
<i>Mentha arvensis</i>	Corn mint	Eng NT	Chawton House Arable Margins	SU718372	1999	1999	0
<i>Mentha arvensis</i>	Corn mint	Eng NT	Brockwood	SU6225	2009	2009	0
<i>Mentha arvensis</i>	Corn mint	Eng NT	Bramdean, E of	SU6227	2014	2014	0

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<i>Mentha pulegium</i>	Pennyroyal	Eng Hants Rare, GB EN, NS, S41, Schedule 8, HBAP, Hants Scarce	Farnborough, Liz's Lakes, Qinetiq	SU850544	2003	2008	0
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Froyle Place	SU7542	1937	1991	0
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Lord Mayor Treloar College, Upper Froyle	SU754426	1991	1991	0
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle	SU755428	2003	2003	125
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle	SU754426	2003	2011	130
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle	SU754427	2012	2012	0
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle, Treloar Site	SU75394267	2013	2013	50
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle, Treloar Site	SU75404268	2013	2013	60
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle, Treloar Site	SU75404269	2013	2013	5
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle, Treloar Site	SU75464266	2013	2013	20
<i>Minuartia hybrida</i>	Fine-leaved sandwort	Eng EN, GB EN, NS, S41, HBAP, Hants Rare, VC12 Rare, VC11 Rare	Upper Froyle, Treloar Site	SU75474267	2013	2013	30

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<i>Misopates orontium</i>	Weasel's-snout	Eng VU, GB VU	Cove Green, Farnborough	SU862558	1992	1992	300
<i>Misopates orontium</i>	Weasel's-snout	Eng VU, GB VU	Farnborough, Prospect Road Allotments	SU863559	2007	2007	0
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Farnborough/Farnborough Airfield Area	SU8554	1993	1993	0
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Farnborough Airfield	SU8554	1994	1994	0
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Pyestock North	SU830545	2003	2003	0
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Pyestock Hill, Farnborough	SU833542	2003	2003	0
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Pyestock Hill, Farnborough	SU833543	2003	2003	60
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Pyestock Playing Field (South)	SU836540	2004	2004	0
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Farnborough	SU842540	2004	2004	200
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Ball Hill, Nr Southwood	SU847542	2004	2004	25
<i>Moenchia erecta</i>	Upright chickweed	Eng VU, VC12 Scarce	Southwood Meadows	SU854553	2007	2007	0
<i>Muscari neglectum</i>	Grape-hyacinth	GB VU, NR, S41	Farnborough, Qinetiq Site	SU841544	2007	2007	1
<i>Myosurus minimus</i>	Mousetail	Eng VU, GB VU, Hants Scarce	Netherhill Fm, Durley	SU518152	1994	1994	1
<i>Myosurus minimus</i>	Mousetail	Eng VU, GB VU, Hants Scarce, VC12 Rare	Farnborough Green, Hampshire	SU875573	1995	1995	12
<i>Myosurus minimus</i>	Mousetail	Eng VU, GB VU, Hants Scarce, VC12 Rare	Farnborough	SU8757	1995	1995	0
<i>Myosurus minimus</i>	Mousetail	Eng VU, GB VU, Hants Scarce, VC12 Rare	Farnborough Green Area (hampshire)	SU8757	1995	1995	12
<i>Myosurus minimus</i>	Mousetail	Eng VU, GB VU, Hants Scarce	E End Chancellors Lane	SU519152	1998	1998	1
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Bourley Area	SU8250	1978	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Tweseldown Area	SU8251	1990	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Church Crookham, E of	SU8252	1978	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Pondtail Heath	SU8253	1978	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Fleet Area	SU8254	1978	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0

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<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT	Breach Hill	SU5214	1991	1991	1
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Farnborough/Farnborough Airfield Area	SU8554	1993	1993	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Norris Hill & Gelvert Bottom	SU828530	1996	1996	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Bourley Ponds	SU8250	2006	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Crookham Common	SU8252	2006	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Velmead Common	SU8253	2006	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Fleet Pond	SU8254	2006	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Eelmoor Marsh	SU8353	1975	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Eelmoor Marsh	SU8453	1978	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Southwood	SU8455	2006	2006	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Bourley	SU8250	2011	2011	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Brock's Hill Heath	SU828526	2011	2011	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Velmead Common	SU831529	2014	2014	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Gelvert Bottom	SU828528	2015	2015	0
<i>Myrica gale</i>	Bog-myrtle	Eng NT, VC12 Scarce	Brock's Heath	SU828525	2016	2016	0
<i>Myriophyllum alterniflorum</i>	Alternate water-milfoil	VC12 Scarce	Liz's Lakes, Ively	SU850545	2003	2003	0
<i>Myriophyllum alterniflorum</i>	Alternate water-milfoil	VC12 Scarce	Bourley	SU8250	2011	2011	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Pondtail Heath	SU8253	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0

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<i>Nardus stricta</i>	Mat-grass	Eng NT	Pyestock Area	SU8354	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Farnborough Town Cemetery	SU866558	1991	1991	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Farnborough Airfield	SU845540	1993	1993	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Farnborough Airfield Compartment 9	SU845540	1993	1993	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Norris Hill & Gelvert Bottom	SU828530	1996	1996	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Eelmoor Marsh	SU8453	1994	1997	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Eelmoor Marsh	SU8353	1978	2009	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Southwood	SU8354	2010	2010	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Bourley	SU8250	2011	2011	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Brock's Hill, Church Crookham	SU827523	2011	2011	0
<i>Nardus stricta</i>	Mat-grass	Eng NT	Velmead Common	SU825531	2014	2014	0
<i>Oenanthe fistulosa</i>	Tubular water-dropwort	Eng VU, GB VU, S41, VC12 Scarce	Basingstoke Canal	SU8253	1992	1992	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Pondtail Heath	SU8253	1990	1990	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Norris Hill East	SU832530	1990	1990	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	W of Cody Technology Park, Pyestock	SU829546	2002	2002	3
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Church Crookham: Gelvert Bottom	SU830532	2011	2011	0

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<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Gelvert Bottom	SU829528	2009	2013	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Gelvert Bottom	SU830528	1983	2013	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Brock's Heath	SU829527	2014	2014	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Gelvert Bottom	SU829532	2014	2014	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Gelvert Bottom	SU829533	2014	2014	0
<i>Oreopteris limbosperma</i>	Lemon-scented fern	VC12 Scarce	Norris Hill	SU830533	2014	2014	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Dick's Wood (Main)	SU792467	1988	1988	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Greendane Copse	SU822514	1988	1988	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Church Crookham	SU8151	1990	1990	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Wakeford's Copse	SU819514	1986	1992	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Ewshot, Riddings Copse	SU8150	1993	1993	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Riddings Copse	SU810506	1985	1995	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Barracks Land	SU815515	1995	1995	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Wakeford's Copse	SU819514	1996	1996	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	E of Brockwood Copse West Meon	SU6225	1999	1999	1
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bramdean Common, West Tisted	SU6329	1999	1999	1
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Riversdown Wood	SU602249	2005	2005	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bramdean Common - The Plantation	SU639293	2005	2005	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Merryfield Grove	SU657303	2006	2006	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Greendane Copse	SU822514	2007	2007	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Joan's Acre Wood	SU614260	2008	2008	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Brockwood	SU6225	2008	2008	0

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<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Old Down Wood, East Side	SU6633	2009	2009	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Hubbard's Copse, Bramdean and Hinton Ampner	SU634285	2011	2011	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Battles Copse, Farringdon	SU688344	2011	2011	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bourley	SU8250	2011	2011	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Tangier Lane:	SU5316	2012	2012	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Fleet	SU8254	2012	2012	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Crondall, S of	SU7946	2013	2013	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bushylease Wood, Ewshot	SU808493	2013	2013	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Ewshot Wood	SU808496	2013	2013	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Pyestock Common	SU8253	2013	2013	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bramdean Common	SU6329	2014	2014	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Fleet Pond	SU8254	2015	2015	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Bramdean, NE of	SU6228	2016	2016	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Kitwood	SU6633	2016	2016	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Brown Heath, Durley Mill.	SU5215	2017	2017	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	East Tisted, NW of	SU6833	2017	2017	0
<i>Oxalis acetosella</i>	Wood-sorrel	Eng NT	Four Marks, E of	SU6934	2017	2017	0
<i>Papaver argemone</i>	Prickly poppy	Eng EN, GB VU	Crondall, S of	SU795478	1990	1990	0
<i>Papaver argemone</i>	Prickly poppy	Eng EN, GB VU	Ewshot	SU815510	1990	1990	0
<i>Papaver argemone</i>	Prickly poppy	Eng EN, GB VU	Farnborough	SU869559	1991	1991	20
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Farnborough Airfield	SU8453	1978	1988	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Farnborough Airfield	SU8454	1988	1988	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Pyestock Hill	SU8353	1994	1994	3500
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor Marsh	SU8453	1994	1994	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Fleet	SU8353	1998	1998	0

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<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Cove Radio Station	SU836537	2001	2001	39
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Cove Radio Station	SU838536	2002	2002	36
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Cove Radio Station	SU836533	2003	2003	250
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Liz's Lakes, Ively	SU850545	1999	2003	1800 0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Pyestock Hill	SU834537	2004	2004	3
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Cove Radio Station	SU836534	2002	2004	636
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Ively Pond	SU850544	2007	2007	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Cove Radio Station	SU837536	2008	2008	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor	SU839536	2008	2008	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Liz's Lakes, Ively	SU849544	2004	2008	1000
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Farnborough, Liz's Lakes, Qinetiq	SU850544	2002	2009	2000
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor, Former Radio Research Station	SU836535	2008	2010	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor, Disused Radio Station	SU837536	2009	2010	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor, Former Radio Research Station	SU835535	2011	2011	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor, Former Radio Research Station	SU836534	2008	2011	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Ively Meadow	SU850544	2011	2011	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor, Former Radio Research Station	SU838536	2007	2013	0
<i>Parentucellia viscosa</i>	Yellow bartsia	VC12 Scarce	Eelmoor Marsh	SU838536	2015	2015	0
<i>Paris quadrifolia</i>	Herb-paris	VC11 Scarce	Joan's Acre Wood	SU614260	2008	2008	0
<i>Pedicularis palustris</i>	Marsh lousewort	Eng VU, VC12 Scarce	Fleet Pond	SU8254	1987	1987	0
<i>Pedicularis palustris</i>	Marsh lousewort	Eng VU, VC12 Scarce	Fleet Pond And Immediate Area	SU8254	1996	1996	75
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Bourley Area	SU8250	1990	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Tweseldown Area	SU8251	1978	1990	0

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<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Pondtail Heath	SU8253	1978	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Fleet Area	SU8254	1990	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Pyestock Area	SU8354	1978	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor Marsh	SU8353	1975	1997	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Church Crookham, E of	SU8252	1978	2011	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Crookham Common	SU827530	2011	2011	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Gelvert Bottom	SU828530	2011	2011	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor Marsh	SU839536	2011	2011	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Brock's Hill Heath	SU826525	2012	2012	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Velmead Common	SU827528	2013	2013	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Velmead Common	SU827530	2013	2013	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor Marsh	SU8453	2013	2013	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Brock's Heath	SU828524	2014	2015	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Brock's Heath	SU828524	2015	2015	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Norris Hill	SU832533	2015	2015	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor, Former Radio Research Station	SU836537	2015	2015	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Eelmoor Marsh	SU837535	2015	2015	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Pyestock Hill	SU832542	2016	2016	0
<i>Pedicularis sylvatica</i>	Lousewort	Eng VU	Pyestock Hill	SU832541	2017	2017	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot Marsh	SU814507	1990	1990	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot	SU8150	1894	1990	6
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot Meadows	SU816504	1985	1995	0

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<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Upper Froyle, S of	SU753417	1997	1997	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce, VC11 Scarce	E End Chancellors Lane	SU5115	1998	1998	1
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot	SU812508	1990	2006	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot, Nashes Lane	SU812508	2006	2006	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot, Nashes Lane	SU813506	2006	2006	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Nashes Lane, Near Ewshot	SU813506	2006	2006	0
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot	SU813507	1990	2010	20
<i>Persicaria bistorta</i>	Common bistort	Hants Scarce	Ewshot	SU813506	1984	2011	0
<i>Pilularia globulifera</i>	Pillwort	Eng VU, GB NT, NS, S41, HBAP, VC12 Scarce	Pondtail Heath	SU829535	2013	2016	0
<i>Pinguicula lusitanica</i>	Pale butterwort	VC12 Rare	Eelmoor Marsh	SU8453	1975	1995	0
<i>Pinguicula lusitanica</i>	Pale butterwort	VC12 Rare	Eelmoor Marsh	SU8352	1975	1997	0
<i>Pinguicula lusitanica</i>	Pale butterwort	VC12 Rare	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Pinguicula lusitanica</i>	Pale butterwort	VC12 Rare	Eelmoor Marsh	SU836533	2002	2011	0
<i>Pinguicula lusitanica</i>	Pale butterwort	VC12 Rare	Eelmoor Marsh	SU8353	1935	2013	2,000
<i>Pinguicula vulgaris</i>	Common butterwort	Eng VU, Hants Rare, VC12 Rare, VC11 Rare	Eelmoor Marsh S	SU8352	1995	1995	105
<i>Pinguicula vulgaris</i>	Common butterwort	Eng VU, Hants Rare, VC12 Rare, VC11 Rare	Eelmoor Marsh	SU8352	2007	2007	0
<i>Pinguicula vulgaris</i>	Common butterwort	Eng VU, Hants Rare, VC12 Rare, VC11 Rare	Eelmoor Marsh	SU8453	1989	2007	0
<i>Pinguicula vulgaris</i>	Common butterwort	Eng VU, Hants Rare, VC12 Rare, VC11 Rare	Eelmoor Marsh	SU8353	1938	2013	105
<i>Plantago media</i>	Hoary plantain	Eng NT	C9 Stephen's Castle Down	SU559214	1998	1998	0
<i>Plantago media</i>	Hoary plantain	Eng NT	Stephen's Castle Down	SU5520	1999	1999	1
<i>Plantago media</i>	Hoary plantain	Eng NT	Stephen's Castle Down	SU558214	1999	1999	1
<i>Plantago media</i>	Hoary plantain	Eng NT	Godwin's Plantation, Bramdean	SU621269	1999	1999	1
<i>Plantago media</i>	Hoary plantain	Eng NT	Brockwood Park	SU622270	2000	2000	0

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<i>Plantago media</i>	Hoary plantain	Eng NT	Preshaw West	SU5622	2004	2004	0
<i>Plantago media</i>	Hoary plantain	Eng NT	Cron dall Area	SU7948	2008	2008	0
<i>Plantago media</i>	Hoary plantain	Eng NT	Brockwood Park Area A	SU622270	2012	2012	0
<i>Plantago media</i>	Hoary plantain	Eng NT	Little Down	SU661313	2013	2013	0
<i>Plantago media</i>	Hoary plantain	Eng NT	Windmill Hill	SU7238	2014	2014	0
<i>Plantago media</i>	Hoary plantain	Eng NT	Cron dall	SU7948	2014	2014	0
<i>Platanthera chlorantha</i>	Greater butterfly-orchid	GB NT	Bramdean Common - The Plantation	SU639293	2005	2005	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Church Crookham, E of	SU8252	1990	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Fleet Area	SU8254	1990	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Pyestock Area	SU8354	1978	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Eelmoor Marsh	SU839536	2008	2008	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Pyestock Hill	SU834536	2009	2009	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Gelvert Bottom	SU828530	2011	2011	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Fleet, Norris Hill West	SU834530	2012	2012	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Norris Hill	SU834530	2015	2015	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Brock's Heath	SU828523	2016	2016	0
<i>Polygala serpyllifolia</i>	Heath milkwort	Eng NT	Velmead Common	SU828530	2016	2016	0
<i>Polypogon monspeliensis</i>	Annual beard-grass	NS, HBAP, VC12 Scarce	Farnborough	SU838542	2002	2002	0

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<i>Polypogon monspeliensis</i>	Annual beard-grass	NS, HBAP, VC12 Scarce	Farnborough, Qinetiq	SU838541	2003	2003	20
<i>Polypogon monspeliensis</i>	Annual beard-grass	NS, HBAP, VC12 Scarce	Farnborough, Qinetiq	SU842543	2003	2003	30
<i>Polypogon monspeliensis</i>	Annual beard-grass	NS, HBAP, VC12 Scarce	Farnborough, Cody Park	SU840543	2006	2006	0
<i>Potamogeton alpinus</i>	Red pondweed	Eng VU, Hants Scarce, VC12 Scarce, VC11 Rare	Basingstoke Canal, Norris Hill Area	SU8353	1990	1990	0
<i>Potamogeton alpinus</i>	Red pondweed	Eng VU, Hants Scarce, VC12 Scarce, VC11 Rare	Basingstoke Canal, Pondtail	SU8253	1986	1997	0
<i>Potamogeton berchtoldii</i>	Small pondweed	VC12 Scarce	Basingstoke Canal, Norris Bridge Area	SU8353	1990	1990	0
<i>Potamogeton berchtoldii</i>	Small pondweed	VC12 Scarce	Cove Radio Station	SU836534	2000	2000	0
<i>Potamogeton obtusifolius</i>	Blunt-leaved pondweed	Hants Scarce, VC11 Rare, VC12 Scarce	Blackwater Valley, Frimley Bridge	SU87855650	2012	2012	0
<i>Potamogeton pectinatus</i>	Fennel pondweed	Hants Scarce, VC12 Scarce	Upper Froyle, Near R. Wey	SU7542	2009	2009	0
<i>Potamogeton pectinatus</i>	Fennel pondweed	Hants Scarce, VC12 Scarce	Froyle, The Fishpond	SU757422	2017	2017	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal	SU8253	1988	1988	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal	SU8353	1988	1988	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, Nr. Norris Bridge	SU832535	1985	1990	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Norris Bridge, W of	SU832536	1990	1990	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, E of Norris Bridge	SU833536	1990	1990	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, W of Eelmoor	SU8352	1990	1990	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Norris Bridge, Fleet	SU832535	1991	1991	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, Norris Bridge	SU831535	1986	1996	0

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<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, Nr. Norris Bridge	SU833535	1985	1996	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, Nr. Norris Bridge	SU834535	1988	1996	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, Norris Hill	SU830535	1986	1997	0
<i>Potamogeton perfoliatus</i>	Perfoliate pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	Basingstoke Canal, Norris Hill	SU831535	1990	1997	0
<i>Potamogeton pusillus</i>	Lesser pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	River Blackwater	SU8657	1987	1987	0
<i>Potamogeton pusillus</i>	Lesser pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	River Blackwater, Farnborough Green	SU8756	1987	1987	0
<i>Potamogeton pusillus</i>	Lesser pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	River Blackwater, Farnborough North Station	SU8756	1987	1987	0
<i>Potamogeton pusillus</i>	Lesser pondweed	Hants Scarce, VC12 Rare, VC11 Scarce	River Blackwater	SU8757	1986	1987	0
<i>Potentilla anglica x reptans = P. x mixta</i>	Hybrid cinquefoil	VC12 Rare	Bourley	SU8250	2011	2011	0
<i>Potentilla anglica x reptans = P. x mixta</i>	Hybrid cinquefoil	VC12 Rare	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Greendane Copse	SU822514	1988	1988	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Pondtail Heath	SU8253	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Southwood/Farnborough Area	SU8454	1978	1990	0

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<i>Potentilla erecta</i>	Tormentil	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Barracks Land	SU815515	1995	1995	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Ewshot Meadows	SU816504	1985	1995	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Eelmoor Marsh	SU8352	1997	1997	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Eelmoor Marsh	SU8353	1975	1997	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Eelmoor Marsh	SU8453	1997	1997	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Barley Pound Copse, NE of Bentley	SU7946	1998	1998	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Farnborough Town Cemetery	SU866558	1999	1999	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Pyestock Playing Field Pines	SU837540	2004	2004	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Ewshot Meadows	SU816504	2005	2005	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Woodlands 'B' Ewshot	SU812501	2007	2007	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Woodlands 'D' Ewshot	SU814501	2007	2007	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Greendane Copse	SU822514	2007	2007	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Crookham Common	SU827529	2010	2010	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Former Southwood Golf Course	SU848548	2010	2010	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Bourley	SU8250	2011	2011	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Church Crookham, E of	SU8252	1978	2011	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Fleet	SU8254	2012	2012	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Pyestock Area	SU8354	1978	2012	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Velmead Common	SU827530	2013	2013	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Velmead Common	SU828528	2013	2013	0

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<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU830526	2013	2013	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Claylands	SU5418	2014	2014	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Ewshot	SU8149	2014	2014	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Ewshot	SU815505	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU827525	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU827525	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU828523	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU828524	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU828524	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Brock's Heath	SU829525	2015	2015	0
<i>Potentilla erecta</i>	Tormentil	Eng NT	Kitwood	SU6633	2016	2016	0
<i>Potentilla erecta x anglica</i> = <i>P. x suberecta</i>	Cinquefoil	Hants Rare, VC12 Rare, VC11 Rare	Eelmoor, Former Radio Research Station	SU835537	2009	2009	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Brock's Hill, Church Crookham	SU827526	1990	1990	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham	SU827526	1985	1992	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham Common	SU827526	1995	1995	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Fleet, Near Foresters Inn	SU827527	2002	2002	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Church Crookham, E of	SU828527	2001	2002	1200
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham Heath	SU827527	1986	2004	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Old Peatmoor Heath, Eelmoor	SU839536	2004	2004	90
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Eelmoor, Beside Tyte Track	SU839537	2005	2005	280

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<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Eelmoor Marsh	SU839536	2004	2006	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Old Peatmoor Heath, Eelmoor	SU839537	2004	2006	60
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham Common	SU828527	2007	2007	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham Common, Near Foresters Pub	SU827527	1986	2009	1200
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Eelmoor	SU839536	2009	2009	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Brock's Hill Heath	SU827526	2009	2010	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Pyestock Hill	SU831536	2011	2011	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Pyestock Hill	SU833537	2010	2011	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Church Crookham, E of	SU827527	2010	2012	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Norris Hill	SU832533	2012	2012	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Pyestock Hill	SU832536	1986	2012	70
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham Common	SU825531	2013	2013	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Eelmoor, Tyte Track	SU839537	2004	2013	330
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Brock's Heath	SU827527	2014	2014	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Norris Hill	SU832536	2014	2014	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Crookham Common	SU827527	1995	2015	0

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<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Norris Hill	SU831533	2014	2015	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Long Valley, NW of	SU832528	2015	2015	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Eelmoor Marsh	SU839537	2005	2015	0
<i>Pyrola minor</i>	Common wintergreen	Eng NT, Hants Rare, VC12 Scarce	Velmead Common	SU827527	2016	2016	0
<i>Radiola linoides</i>	Allseed	Eng VU, GB NT, VC12 Scarce	Nr Crookham Bog, E of Fleet	SU828525	1983	1998	70
<i>Radiola linoides</i>	Allseed	Eng VU, GB NT, VC12 Scarce	Crookham Heath, Brock's Hill	SU828524	2006	2006	97
<i>Radiola linoides</i>	Allseed	Eng VU, GB NT, VC12 Scarce	Nr Brock's Hill, Church Crookham	SU828524	2002	2007	51
<i>Radiola linoides</i>	Allseed	Eng VU, GB NT, VC12 Scarce	Brock's Hill Heath	SU828524	2008	2013	0
<i>Radiola linoides</i>	Allseed	Eng VU, GB NT, VC12 Scarce	Brock's Heath	SU828524	1983	2016	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Tweseldown Area	SU8251	1990	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Pondtail Heath	SU8253	1978	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Fleet Area	SU8254	1978	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Ewshot Meadows	SU816504	1985	1995	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Holly Tree Farm Meadow	SU517143	1998	1998	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Cove Brook (remodelled section)	SU855550	1998	1998	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Blackwater Valley, Frimley Bridge	SU878565	2002	2002	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Cove Brook (remodelled section)	SU854550	2003	2003	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Tweseldown Racecourse	SU825520	2006	2006	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Woodlands 'B' Ewshot	SU812501	2007	2007	0

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<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Woodlands 'A' Ewshot	SU813502	2007	2007	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Woodlands 'D' Ewshot	SU814501	2007	2007	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Greendane Copse	SU822514	2007	2007	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Former Southwood Golf Course	SU848548	2010	2010	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Ewshot	SU8150	2011	2011	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Bourley	SU8250	2011	2011	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Church Crookham, E of	SU8252	1990	2011	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Bourley Area	SU8250	1978	2012	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Crookham Common Pond	SU825529	2012	2012	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Pyestock Area	SU8354	1978	2012	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Cove Valley, Southern Grassland	SU855556	1994	2012	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Cove Brook Grazing Area	SU854550	2014	2014	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Ewshot	SU814506	2015	2015	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Gelvert Bottom	SU830530	2016	2016	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Long Valley Heath	SU832528	2016	2016	0
<i>Ranunculus flammula</i>	Lesser spearwort	Eng VU	Former Southwood Golf Course Marsh	SU854547	2017	2017	0
<i>Ranunculus hederaceus</i>	Ivy-leaved crowfoot	VC12 Scarce	Ewshot	SU815505	1988	1988	0
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	VC12 Scarce	Pondtail Heath	SU8253	1990	1990	0
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	VC12 Scarce	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	VC12 Scarce	Farnborough	SU848546	1990	1990	0
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	VC12 Scarce	Gelvert Stream, Nr Church Crookham	SU829529	1978	2004	2
<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	VC12 Scarce	Farnborough Airfield Compartments 37, 38, 39 and 87 (part)	SU853546	2005	2005	0

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<i>Ranunculus omiophyllus</i>	Round-leaved crowfoot	VC12 Scarce	Bourley	SU8250	2011	2011	0
<i>Ranunculus penicillatus</i> subsp. <i>pseudofluitans</i>	Stream water-crowfoot	HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Mill Court, Froyle	SU7541	2009	2009	0
<i>Ranunculus penicillatus</i> subsp. <i>pseudofluitans</i>	Stream water-crowfoot	HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Upper Froyle, Near R. Wey	SU7542	2009	2009	0
<i>Rhinanthus minor</i> subsp. <i>stenophyllus</i>	Yellow-rattle	Hants Rare, VC11 Rare, VC12 Rare	Norris Bridge, Fleet	SU833536	2015	2015	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Church Crookham, E of	SU8252	1990	1990	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Long Valley/Eelmoor Marsh Area	SU8352	1990	1990	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Eelmoor Marsh	SU8453	1978	1994	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Eelmoor Marsh	SU8353	1975	1997	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Crookham Bog, E of Church Crookham	SU828526	2002	2002	3
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Brock's Hill Heath	SU828526	2008	2012	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Brock's Heath	SU828525	2014	2014	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Brock's Hill Heath	SU828525	2014	2014	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Brock's Heath	SU828526	2014	2014	0
<i>Rhynchospora alba</i>	White beak-sedge	Eng NT, VC12 Scarce	Brock's Heath	SU828524	2015	2015	0
<i>Rorippa amphibia</i>	Great yellow-cress	Hants Scarce, VC11 Scarce, VC12 Scarce	Basingstoke Canal, Pondtail	SU8253	1990	1990	0
<i>Rorippa amphibia</i>	Great yellow-cress	Hants Scarce, VC11 Scarce, VC12 Scarce	Fleet Pond	SU8254	1990	1990	0
<i>Rorippa amphibia</i>	Great yellow-cress	Hants Scarce, VC11 Scarce, VC12 Scarce	Basingstoke Canal, Norris Hill Area	SU8353	1990	1990	0
<i>Rorippa amphibia</i>	Great yellow-cress	Hants Scarce, VC11 Scarce, VC12 Scarce	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Rorippa microphylla</i>	Narrow-fruited water-cress	Hants Scarce, VC11 Scarce, VC12 Scarce	Upper Froyle, Near R. Wey	SU7542	2009	2009	0
<i>Rorippa microphylla</i>	Narrow-fruited water-cress	Hants Scarce, VC11 Scarce, VC12 Scarce	Upper Froyle, Near River Wey	SU7642	2009	2009	0

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<i>Rorippa sylvestris</i>	Creeping yellow-cress	VC12 Scarce	A323 Norris Hill, Fleet	SU834534	1990	1990	0
<i>Rorippa sylvestris</i>	Creeping yellow-cress	VC12 Scarce	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Rorippa sylvestris</i>	Creeping yellow-cress	VC12 Scarce	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Rorippa sylvestris</i>	Creeping yellow-cress	VC12 Scarce	Ively	SU850545	1990	1990	0
<i>Rorippa sylvestris</i>	Creeping yellow-cress	VC12 Scarce	Cove Brook (remodelled section)	SU855550	1998	1998	0
<i>Rorippa sylvestris</i>	Creeping yellow-cress	VC12 Scarce	Cove Brook (remodelled section)	SU854550	2003	2003	0
<i>Rosa tomentosa</i>	Harsh downy-rose	Hants Scarce, VC11 Scarce, VC12 Rare	Durley	SU5116	1997	1997	1
<i>Sagittaria sagittifolia</i>	Arrowhead	VC12 Rare	Basingstoke Canal, Pondtail	SU8253	1990	1990	0
<i>Sagittaria sagittifolia</i>	Arrowhead	VC12 Rare	Basingstoke Canal, Norris Bridge Area	SU8353	1990	1990	0
<i>Salix aurita</i>	Eared willow	VC12 Scarce	Fleet	SU8353	1988	1988	0
<i>Salix repens</i>	Creeping willow	Eng NT	Bourley Area	SU8250	1978	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Church Crookham, E of	SU8252	1978	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Pondtail Heath	SU8253	1978	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Fleet Area	SU8254	1990	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Pyestock Area	SU8354	1990	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Southwood/Farnborough Area	SU8454	1990	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Salix repens</i>	Creeping willow	Eng NT	Eelmoor Marsh	SU8453	1978	1997	0
<i>Salix repens</i>	Creeping willow	Eng NT	Blackwater Valley, Frimley Bridge	SU878565	2002	2002	0
<i>Salix repens</i>	Creeping willow	Eng NT	Eelmoor Marsh	SU836533	2008	2008	0
<i>Salix repens</i>	Creeping willow	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0

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<i>Salix repens</i>	Creeping willow	Eng NT	Pondtail Heath	SU828534	2015	2015	0
<i>Salix repens</i> var. <i>fusca</i>	Willow	Eng NT	Brock's Hill, Church Crookham	SU827526	1984	1992	0
<i>Salix repens</i> var. <i>fusca</i>	Willow	Eng NT	Church Crookham, Brock's Hill	SU827526	1992	1992	0
<i>Sanguisorba officinalis</i>	Great burnet	Hants Scarce, VC11 Scarce, VC12 Scarce	Cove	SU855555	1991	1998	0
<i>Sanguisorba officinalis</i>	Great burnet	Hants Scarce, VC11 Scarce, VC12 Scarce	Cove Valley, Southern Grassland	SU855556	1994	2002	0
<i>Sanguisorba officinalis</i>	Great burnet	Hants Scarce, VC11 Scarce, VC12 Scarce	Cove Brook, NE of Golf Course	SU855555	2006	2006	5
<i>Sanguisorba officinalis</i>	Great burnet	Hants Scarce, VC11 Scarce, VC12 Scarce	Southwood Meadows	SU855555	2007	2007	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Dick's Wood (Main)	SU792467	1988	1988	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Lower Barley Pound	SU796471	1988	1988	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Dick's Wood (Main)	SU792467	1990	1990	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Bourley Area	SU8250	1978	1990	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Tweseldown Area	SU8251	1990	1990	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Woodside Row, Farringdon	SU699355	1991	1991	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Railwayline Row, Southfield Farm	SU701360	1991	1991	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Crookhorn Copse	SU584222	1992	1992	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Water Lane CHS	SU735375	1992	1992	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Ewshot, Riddings Copse	SU8150	1993	1993	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Riddings Copse	SU810506	1985	1995	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Water Lane, West Worldham	SU7337	1997	1997	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Lower Preshaw Fm	SU5622	1998	1998	1
<i>Sanicula europaea</i>	Sanicle	Eng NT	Stephen's Castle Down	SU5520	1999	1999	1
<i>Sanicula europaea</i>	Sanicle	Eng NT	Bramdean Common, West Tisted	SU6329	1999	1999	1

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<i>Sanicula europaea</i>	Sanicle	Eng NT	Boundary Row	SU571217	2001	2001	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Brockwood	SU6225	2008	2008	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Isnage Farm Froyle, The Beeches	SU7745	2009	2009	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Swelling Hill, Near Ropley	SU6632	2011	2011	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Water Lane Piece, Worldham	SU731380	2011	2011	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Ewshot	SU8150	2011	2011	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Alton	SU7338	2012	2012	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Little Down	SU661313	2013	2013	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Lower Farringdon North:	SU7035	2013	2013	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Peck Copse	SU719370	2013	2013	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Dick's Wood	SU792467	2013	2013	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Ewshot Wood	SU808496	2013	2013	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Bramdean And South of Bramdean	SU6127	2014	2014	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	West Tisted, W of	SU6429	2014	2014	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Windmill Hill	SU7238	2014	2014	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Water Lane CHS	SU735375	2014	2014	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Crondall, NE of	SU8049	2014	2014	0
<i>Sanicula europaea</i>	Sanicle	Eng NT	Brown Heath, Durley Mill.	SU5215	2017	2017	0
<i>Saxifraga granulata</i>	Meadow saxifrage	VC11 Scarce	Bramdean	SU615265	1999	1999	1
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce	Farnborough, Main Railway Station	SU869560	2002	2002	0
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce	Upper Froyle	SU754427	2011	2011	0
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce	Upper Froyle, Treloar Site	SU75414269	2013	2013	1
<i>Saxifraga tridactylites</i>	Rue-leaved saxifrage	VC12 Scarce	Upper Froyle, Treloar Site	SU75434273	2013	2013	2

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<i>Scandix pecten-veneris</i>	Shepherd's-needle	Eng EN, GB Hants Rare, S41, HBAP, Hants Scarce, VC12 Scarce	Crondall, S of	SU792475	2009	2009	0
<i>Scandix pecten-veneris</i>	Shepherd's-needle	Eng EN, GB Hants Rare, S41, HBAP, Hants Scarce, VC12 Scarce	Crondall, S of	SU795476	2009	2009	0
<i>Scandix pecten-veneris</i>	Shepherd's-needle	Eng EN, GB Hants Rare, S41, HBAP, Hants Scarce, VC12 Scarce	Crondall, S of	SU795479	2009	2009	0
<i>Scandix pecten-veneris</i>	Shepherd's-needle	Eng EN, GB Hants Rare, S41, HBAP, Hants Scarce, VC12 Scarce	Crondall, S of	SU796476	2009	2009	0
<i>Scleranthus annuus</i>	Annual knawel	Eng EN, GB EN, S41	Bramshot Common, Southwood	SU834549	1995	1995	1
<i>Seligeria calycina</i>	English rock-bristle	HBAP	Hinton Ampner Estate (SE), Joan's Acre Wood and Blackhouse Copse	SU6025	1999	1999	0
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Ewshot Marsh	SU815505	1990	1990	0
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Durley	SU5116	1997	1997	1
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Maddoxford Farm Meadows	SU515147	1998	1998	0
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Holly Tree Farm Meadow	SU517143	1998	1998	0
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Claylands, Bishops Waltham	SU5418	1998	1998	1
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Ewshot Meadows	SU816504	2005	2005	0
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Southwood Meadows	SU853555	2007	2007	0
<i>Senecio aquaticus</i>	Marsh ragwort	Eng NT	Mill Farm, Isington	SU7642	2017	2017	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Church Crookham	SU8151	1990	1990	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Tweseldown Area	SU8251	1990	1990	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1990	1990	0

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<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Ewshot Meadows	SU816504	1985	1995	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Boorley Green	SU5014	1997	1997	1
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Maddoxford Farm Meadows	SU515147	1998	1998	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Cove Brook (remodelled section)	SU855550	1998	1998	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Upper Froyle, Near R. Wey	SU7542	2009	2009	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Upper Froyle, Near River Wey	SU7642	2009	2009	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Cody Technology Park, Ball Hill	SU845542	2009	2009	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Little Braxell's Farm Meadow	SU513149	2010	2010	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Eelmoor, Disused Radio Station	SU837535	2008	2010	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Eelmoor, Disused Radio Station	SU837536	2010	2010	0
<i>Silene flos-cuculi</i>	Ragged-robin	Eng NT	Cove Valley, Southern Grassland	SU855556	2012	2012	0
<i>Silene noctiflora</i>	Night-flowering catchfly	Eng VU, GB VU, Hants Scarce	Crondall, S of	SU795481	2009	2009	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Greendane Copse	SU822514	1988	1988	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Church Crookham, E of	SU8252	1990	1990	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Pyestock Area	SU8354	1978	1990	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Little Braxell's Farm Meadow	SU513149	2010	2010	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Farnborough Town Cemetery	SU866558	2011	2011	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Ewshot Wood	SU808496	2013	2013	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Tweseldown Hill	SU824519	2014	2014	0
<i>Solidago virgaurea</i>	Goldenrod	Eng NT	Tweseldown Hill	SU825519	2011	2014	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Church Crookham	SU8151	1990	1990	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Tweseldown Area	SU8251	1978	1990	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Pondtail Heath	SU8253	1990	1990	0

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<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Fleet Area	SU8254	1990	1990	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Southwood/Farnborough Area	SU8454	1990	1990	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Farnborough/Farnborough Airfield Area	SU8554	1978	1990	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	NE of Upham	SU5420	1997	1997	1
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Ship Lane Cemetery	SU874570	2005	2005	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Tweseldown, Church Crookham	SU825520	2011	2011	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Ship Lane Cemetery	SU8733569 7	2012	2012	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Tweseldown	SU823518	2014	2014	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Tweseldown	SU824519	2014	2014	0
<i>Spergula arvensis</i>	Corn spurrey	Eng VU, GB VU	Tweseldown	SU824522	2016	2016	0
<i>Spirodela polyrhiza</i>	Greater duckweed	Hants Scarce, VC12 Rare, VC11 Scarce	Pondtail Flash	SU8253	1984	1990	0
<i>Spirodela polyrhiza</i>	Greater duckweed	Hants Scarce, VC12 Rare, VC11 Scarce	Queen Elizabeth Park	SU866561	1991	1991	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Fleet Area	SU8254	1978	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Southwood/Farnborough Area	SU8454	1990	1990	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0

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<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Oak Tree Cottage Garden	SU538182	1993	1993	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot Meadows	SU816504	1985	1995	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Eelmoor Marsh	SU8353	1975	1997	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Eelmoor Marsh	SU8453	1978	1997	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Wangfield Lane, Curdrige	SU5214	1998	1998	1
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot Meadows (South)	SU815503	2005	2005	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot Meadows	SU816504	2005	2005	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Farnborough Airfield Compartments 37, 38, 39 and 87 (part)	SU853546	2005	2005	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Woodlands 'B' Ewshot	SU812501	2007	2007	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Woodlands 'A' Ewshot	SU813502	2007	2007	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Woodlands 'D' Ewshot	SU814501	2007	2007	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot	SU8150	2011	2011	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Bourley	SU8250	2011	2011	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Bourley, Nr Six Acre Copse	SU8251	2011	2011	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Church Crookham, E of	SU8252	1978	2011	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot Su 82 50	SU8250	2013	2013	34
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Ewshot	SU8149	2014	2014	0
<i>Succisa pratensis</i>	Devil's-bit scabious	Eng NT	Cove, St John's Churchyard	SU8556	2014	2014	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough: Cemetery	SU864558	1991	1991	1000
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Cemetery	SU8655	1991	1991	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	North Farnborough, Farnborough	SU8655	1991	1991	0

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<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Town Cemetery	SU866558	1991	1991	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Town Cemetery	SU866558	2002	2002	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Cemetery, Victoria Road	SU865558	2011	2011	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Town Cemetery	SU8657558 1	2011	2011	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Town Cemetery	SU8657558 3	2011	2011	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Town Cemetery	SU8658558 5	2011	2011	0
<i>Teesdalia nudicaulis</i>	Shepherd's cress	Eng NT, GB NT, Hants Scarce, VC11 Rare, VC12 Scarce	Farnborough Cemetery, Victoria Road	SU866557	2011	2011	0
<i>Tilia platyphyllos</i>	Large-leaved lime	NS, Hants Rare, VC11 Rare	Manor Farm:	SU5217	2012	2012	0
<i>Tilia platyphyllos</i>	Large-leaved lime	NS, Hants Rare, VC11 Rare	Gorswood	SU6024	2014	2014	0
<i>Tilia platyphyllos</i>	Large-leaved lime	NS, Hants Rare	West Tisted, W of	SU6429	2014	2014	0
<i>Torilis arvensis</i>	Spreading hedge-parsley	Eng EN, GB EN, NS, S41, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Crondall, S of	SU793475	2009	2009	0
<i>Torilis arvensis</i>	Spreading hedge-parsley	Eng EN, GB EN, NS, S41, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Crondall, S of	SU794476	2008	2009	20
<i>Torilis arvensis</i>	Spreading hedge-parsley	Eng EN, GB EN, NS, S41, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Crondall, S of	SU795476	2008	2009	1
<i>Torilis arvensis</i>	Spreading hedge-parsley	Eng EN, GB EN, NS, S41, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Crondall, S of	SU795478	2009	2009	0
<i>Torilis arvensis</i>	Spreading hedge-parsley	Eng EN, GB EN, NS, S41, HBAP, Hants Scarce, VC11 Rare, VC12 Rare	Crondall, S of	SU795479	2009	2009	0

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<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Church Crookham, E of	SU8252	1990	1990	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Pondtail Heath	SU8253	1990	1990	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Fleet Area	SU8254	1990	1990	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Long Valley/Eelmoor Marsh Area	SU8352	1978	1990	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1990	1990	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Brock's Hill Heath	SU828526	2008	2011	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Brock's Heath	SU828525	2014	2014	0
<i>Trichophorum germanicum</i>	Deergrass	VC12 Scarce	Brock's Heath	SU828526	2015	2015	0
<i>Trifolium fragiferum</i>	Strawberry clover	Eng VU	Claylands, Bishops Waltham	SU5418	1998	1998	1
<i>Trifolium fragiferum</i>	Strawberry clover	Eng VU	Claylands	SU5418	2014	2014	0
<i>Trifolium ornithopodioides</i>	Bird's-foot clover	VC12 Scarce	Farnborough, Kennels Lane, Southwood	SU8454	1992	1992	0
<i>Trifolium subterraneum</i>	Subterranean clover	VC12 Scarce	Ively, Farnborough	SU850544	1999	1999	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, Norris Hill Area	SU8353	1990	1990	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Fleet Pond	SU8254	1975	1991	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Fleet Pond and Immediate Area	SU8254	1991	1991	0

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<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal	SU8353	1991	1991	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, Pondtail	SU8253	1992	1997	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Norris Bridge, Fleet	SU832535	1999	1999	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Norris Bridge, Basingstoke Canal	SU8353	1990	2002	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, E of Norris Bridge	SU833535	2012	2012	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, E of Norris Bridge	SU833536	2012	2012	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, E of Norris Bridge	SU834534	2012	2012	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, W of Eelmoor	SU8352	1991	2012	0
<i>Utricularia australis</i>	Bladderwort	Hants Scarce, VC11 Rare, VC12 Scarce	Basingstoke Canal, E of Norris Bridge	SU835533	2012	2012	0
<i>Utricularia minor</i>	Lesser bladderwort	Eng VU, Hants Scarce, VC11 Rare, VC12 Rare	Fleet Pond	SU8254	1975	1991	0
<i>Utricularia minor</i>	Lesser bladderwort	Eng VU, Hants Scarce, VC11 Rare, VC12 Rare	Eelmoor Marsh	SU8453	1975	1995	0
<i>Valeriana dioica</i>	Marsh valerian	Eng NT	Ewshot	SU817504	1990	1990	0
<i>Valeriana dioica</i>	Marsh valerian	Eng NT	Fleet Area	SU8254	1990	1990	0
<i>Valeriana dioica</i>	Marsh valerian	Eng NT	Bourley	SU8250	2011	2011	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Church Crookham, E of	SU8252	1990	1990	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Cove	SU8554	2007	2007	0

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Scientific Name	Common Name	Legal/Conservation Status	Site Name	Grid Reference	First Year	Last Year	Max. Count
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Cove	SU855550	2009	2009	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Bourley	SU8250	2011	2011	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Brock's Hill Heath	SU828523	2012	2012	0
<i>Valeriana officinalis</i>	Common valerian	Eng NT	Fleet Pond	SU8254	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ewshot, N of	SU8150	1990	1990	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Tweseldown Area	SU8251	1978	1990	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Norris Hill/Eelmoor Marsh Area	SU8353	1978	1990	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1978	1990	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Southwood/Farnborough Area	SU8454	1978	1990	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Farnborough/Farnborough Airfield Area	SU8554	1990	1990	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Durley Street	SU5217	1998	1998	1
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Pyestock North	SU830545	2003	2003	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Pyestock Playing Field (South)	SU836540	2004	2004	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Pyestock Playing Field Pines	SU837540	2004	2004	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Greendane Copse	SU822514	2007	2007	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Joan's Acre Wood	SU614260	2008	2008	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Eelmoor, Former Radio Station	SU8353	2009	2009	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Bourley	SU8250	2011	2011	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Farnborough Town Cemetery	SU866558	1999	2011	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	St Clair's Farm & Corhampton Forest	SU5721	2012	2012	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Bourley Area	SU8250	1978	2012	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Pyestock Area	SU8354	1978	2012	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Bushylease Wood, Ewshot	SU808493	2013	2013	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ewshot Wood	SU808496	2013	2013	0

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Scientific Name	Common Name	Legal/Conservation Status	Site Name	Grid Reference	First Year	Last Year	Max. Count
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ewshot	SU817505	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Brock's Heath	SU828524	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Brock's Heath	SU828524	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ball Hill	SU8434544 3	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ball Hill	SU8452543 5	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ball Hill	SU8458542 0	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ball Hill	SU8468542 5	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Ball Hill	SU8478543 3	2015	2015	0
<i>Veronica officinalis</i>	Heath speedwell	Eng NT	Durley	SU5216	2017	2017	0
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	Bourley Area	SU8250	1990	1990	0
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	Pondtail Heath	SU8253	1990	1990	0
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	Eelmoor Marsh/Farnborough Airfield Area	SU8453	1990	1990	0
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	Bourley	SU8250	2011	2011	0
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	Long Valley, NW of	SU832528	2009	2012	0
<i>Veronica scutellata</i>	Marsh speedwell	Eng NT	Long Valley Heath	SU832528	2016	2016	0
<i>Veronica scutellata</i> var. <i>villosa</i>	Marsh speedwell	Eng NT	Fleet Pond and Immediate Area	SU8254	1984	1991	65
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Pyestock	SU8253	1989	1989	20
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Pyestock Common	SU8253	1984	1990	0
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Eelmoor Marsh	SU8453	1975	1997	0

**Southampton to London Pipeline Project
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Scientific Name	Common Name	Legal/Conservation Status	Site Name	Grid Reference	First Year	Last Year	Max. Count
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Pyestock Heath	SU829529	1998	1998	0
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Pyestock Heath, Nr Norris Hill West	SU830534	2000	2000	10
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Gelvert Bottom, NE of Foresters Pub	SU827529	1995	2010	24
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Crookham Common	SU827529	2010	2012	14
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Gelvert Bottom	SU827529	1997	2015	0
<i>Viola lactea</i>	Pale dog-violet	Eng EN, GB VU, NS, S41, HBAP, VC12 Rare	Velmead Common	SU827529	2016	2016	0
<i>Viola riviniana x lactea</i>	Violet	Hants Rare, VC12 Rare, VC11 Rare	Pondtail Heath	SU8253	1990	1990	0
<i>Viola tricolor</i>	Wild pansy	Eng NT, GB NT, Hants Scarce, VC11 Scarce, VC12 Scarce	Long Valley/Eelmoor Marsh Area	SU8352	1990	1990	0
<i>Viola tricolor</i>	Wild pansy	Eng NT, GB NT, Hants Scarce, VC11 Scarce, VC12 Scarce	Norris Hill/Eelmoor Marsh Area	SU8353	1990	1990	0
<i>Wahlenbergia hederacea</i>	Ivy-leaved bellflower	Eng NT, GB NT, Hants Scarce, VC12 Rare, VC11 Scarce	Gelvert Stream, Norris Hill	SU829533	1984	1998	0
<i>Wahlenbergia hederacea</i>	Ivy-leaved bellflower	Eng NT, GB NT, Hants Scarce, VC12 Rare, VC11 Scarce	Bourley	SU8250	1977	2013	0
<i>Wahlenbergia hederacea</i>	Ivy-leaved bellflower	Eng NT, GB NT, Hants Scarce, VC12 Rare, VC11 Scarce	Brock's Heath	SU829525	2016	2016	0



Figures

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- Figure A7.1.2 Background habitat and botanical records for Ford Lake
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- Figure A7.1.4 Priority habitat plan of Ford Lake
- Figure A7.1.5 Annex I habitat plan of Ford Lake
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- Figure A7.1.46 Site plan of disused railway
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Figure A7.1.55 Background habitat and botanical records for Water Lane

Figure A7.1.56 Phase 1 habitat plan of Water Lane

Figure A7.1.57 Priority habitat plan of Water Lane

Figure A7.1.58 Site plan offloodplain of River Wey

Figure A7.1.59 Background habitat and botanical records for floodplain of River Wey

Figure A7.1.60 Phase 1 habitat plan of floodplain of River Wey

Figure A7.1.61 Priority habitat plan of floodplain of River Wey

Figure A7.1.62 Notable plants recorded during survey of floodplain of River Wey

Figure A7.1.63 Invasive non-native plants recorded during survey of floodplain of River Wey

Figure A7.1.64 Site plan of Arable Weeds

Figure A7.1.65 Background habitat and botanical records for Arable Weeds

Figure A7.1.66 Phase 1 habitat plan of Arable Weeds

Figure A7.1.67 Priority habitat plan of Arable Weeds

Figure A7.1.68 Notable plants recorded during survey of Arable Weeds

Figure A7.1.69 Invasive non-native plants recorded during survey of Arable Weeds

Figure A7.1.70 Site plan of Oak Park Golf Course

Figure A7.1.71 Background habitat and botanical records for Oak Park Golf Course

Figure A7.1.72 Phase 1 habitat plan of Oak Park Golf Course

Figure A7.1.73 Priority habitat plan of Oak Park Golf Course

Figure A7.1.74 Site plan of Ewshot Hedgerow

Figure A7.1.75 Background habitat and botanical records for Ewshot Hedgerow

Figure A7.1.76 Phase 1 habitat plan of Ewshot Hedgerow

Figure A7.1.77 Priority habitat plan of Ewshot Hedgerow

Figure A7.1.78 Notable plants recorded during survey of Ewshot Hedgerow



Figure A7.1.79 Site plan of Ewshot Meadows

Figure A7.1.80 Background habitat and botanical records for Ewshot Meadows

Figure A7.1.81 Phase 1 habitat plan of Ewshot Meadows

Figure A7.1.82 Priority habitat plan of Ewshot Meadows

Figure A7.1.83 Vegetation plan of Ewshot Meadows

Figure A7.1.84 Notable plants recorded during survey of Ewshot Meadows

Figure A7.1.85 Site plan of Wakefords Copse

Figure A7.1.86 Background habitat and botanical records for Wakefords Copse

Figure A7.1.87 Phase 1 habitat plan of Wakefords Copse

Figure A7.1.88 Priority habitat plan of Wakefords Copse

Figure A7.1.89 Notable plants recorded during survey of Wakefords Copse

Figure A7.1.90 Invasive non-native plants recorded during survey of Wakefords Copse

Figure A7.1.91 Site plan of Bourley and Long Valley

Figure A7.1.92 Background habitat and botanical records for Bourley and Long Valley

Figure A7.1.93 Phase 1 habitat plan of Bourley and Long Valley

Figure A7.1.94 Priority habitat plan of Bourley and Long Valley

Figure A7.1.95 Annex I habitat plan of Bourley and Long Valley

Figure A7.1.96 Vegetation plan of Bourley and Long Valley

Figure A7.1.97 Notable plants recorded during survey of Bourley and Long Valley

Figure A7.1.98 Invasive non-native plants recorded during survey of Bourley and Long Valley

Figure A7.1.99 Site plan of Old Ively Road

Figure A7.1.100 Background habitat and botanical records for Old Ively Road

Figure A7.1.101 Phase 1 habitat plan of Old Ively Road

Figure A7.1.102 Priority habitat plan of Old Ively Road

Figure A7.1.103 Annex I habitat plan of Old Ively Road

Figure A7.1.104 Notable plants recorded during survey of Old Ively Road

Figure A7.1.105 Invasive non-native plants recorded during survey of Old Ively Road



Figure A7.1.106 Site plan of former Southwood Golf Course

Figure A7.1.107 Background habitat and botanical records for former Southwood Golf Course

Figure A7.1.108 Phase 1 habitat plan of former Southwood Golf Course

Figure A7.1.109 Priority habitat plan of former Southwood Golf Course

Figure A7.1.110 Annex I habitat plan of former Southwood Golf Course

Figure A7.1.111 Notable plants recorded during survey of former Southwood Golf Course

Figure A7.1.112 Invasive non-native plants recorded during survey of former Southwood Golf Course

Figure A7.1.113 Site plan of Cove Brook

Figure A7.1.114 Background habitat and botanical records for Cover Brook

Figure A7.1.115 Phase 1 habitat plan of Cove Brook

Figure A7.1.116 Priority habitat plan of Cover Brook

Figure A7.1.117 Notable plants recorded during survey of Cove Brook

Figure A7.1.118 Invasive non-native plants recorded during survey of Cove Brook

Figure A7.1.119 Site Plan of Queen Elizabeth Park

Figure A7.1.120 Background habitat and botanical records for Queen Elizabeth Park

Figure A7.1.121 Phase 1 habitat plan of Queen Elizabeth Park

Figure A7.1.122 Priority habitat plan of Queen Elizabeth Park

Figure A7.1.123 Notable plants recorded during survey of Queen Elizabeth Park

Figure A7.1.124 Invasive non-native plants recorded during survey of Queen Elizabeth Park

Figure A7.1.125 Site plan of Blackwater Valley

Figure A7.1.126 Background habitat and botanical records for Blackwater Valley

Figure A7.1.127 Phase 1 habitat plan of Blackwater Valley

Figure A7.1.128 Priority habitat plan of Blackwater Valley

Figure A7.1.129 Annex I habitat plan of Blackwater Valley

Figure A7.1.130 Notable plants recorded during survey of Blackwater Valley

Figure A7.1.131 Invasive non-native plants recorded during survey of Blackwater Valley



Figure A7.1.132 Site plan of Frimley Green

Figure A7.1.133 Background habitat and botanical records for Frimley Green

Figure A7.1.134 Phase 1 habitat plan of Frimley Green

Figure A7.1.135 Priority habitat plan of Frimley Green

Figure A7.1.136 Notable plants recorded during survey of Frimley Green

Figure A7.1.137 Invasive non-native plants recorded during survey of Frimley Green

Figure A7.1.138 Site plan of Pine Ridge

Figure A7.1.139 Background habitat and botanical records for Pine Ridge

Figure A7.1.140 Phase 1 habitat plan of Pine Ridge

Figure A7.1.141 Priority habitat plan of Pine Ridge

Figure A7.1.142 Annex I habitat plan of Pine Ridge

Figure A7.1.143 Notable plants recorded during survey of Pine Ridge

Figure A7.1.144 Invasive non-native plants recorded during survey of Pine Ridge

Figure A7.1.145 Site plan of Colony Bog and Bagshot Heath

Figure A7.1.146 Background habitat and botanical records for Colony Bog and Bagshot Heath

Figure A7.1.147 Phase 1 habitat plan of Colony Bog and Bagshot Heath

Figure A7.1.148 Priority habitat plan of Colony Bog and Bagshot Heath

Figure A7.1.149 Annex I habitat plan of Colony Bog and Bagshot Heath

Figure A7.1.150 Vegetation plan of Colony Bog and Bagshot Heath

Figure A7.1.151 Notable plants recorded during survey of Colony Bog and Bagshot Heath

Figure A7.1.152 Invasive non-native plants recorded during survey of Colony Bog and Bagshot Heath

Figure A7.1.153 Site plan of Halebourne

Figure A7.1.154 Background habitat and botanical records for Halebourne

Figure A7.1.155 Phase 1 habitat plan of Halebourne

Figure A7.1.156 Priority habitat plan of Halebourne

Figure A7.1.157 Annex I habitat plan of Halebourne



Figure A7.1.158 Notable plants recorded during survey of Halebourne

Figure A7.1.159 Invasive non-native plants recorded during survey of Halebourne

Figure A7.1.160 Site plan of Chobham Common

Figure A7.1.161 Background habitat and botanical records for Chobham Common

Figure A7.1.162 Phase 1 habitat plan of Chobham Common

Figure A7.1.163 Priority habitat plan of Chobham Common

Figure A7.1.164 Annex I habitat plan of Chobham Common

Figure A7.1.165 Vegetation plan of Chobham Common

Figure A7.1.166 Notable plants recorded during survey of Chobham Common

Figure A7.1.167 Invasive non-native plants recorded during survey of Chobham Common

Figure A7.1.168 Site plan of Foxhills Golf Course

Figure A7.1.169 Background habitat and botanical records for Foxhills Golf Course

Figure A7.1.170 Phase 1 habitat plan of Foxhills Golf Course

Figure A7.1.171 Priority habitat plan of Foxhills Golf Course

Figure A7.1.172 Annex I habitat plan of Foxhills Golf Course

Figure A7.1.173 Notable plants recorded during survey of Foxhills Golf Course

Figure A7.1.174 Invasive non-native plants recorded during survey of Foxhills Golf Course

Figure A7.1.175 Site plan of Addlestone Moor

Figure A7.1.176 Background habitat and botanical records for Addlestone Moor

Figure A7.1.177 Phase 1 habitat plan of Addlestone Moor

Figure A7.1.178 Priority habitat plan of Addlestone Moor

Figure A7.1.179 Annex I habitat plan of Addlestone Moor

Figure A7.1.180 Notable plants recorded during survey of Addlestone Moor

Figure A7.1.181 Invasive non-native plants recorded during survey of Addlestone Moor

Figure A7.1.182 Site plan of Chertsey Meads

Figure A7.1.183 Background habitat and botanical records for Chertsey Meads

Figure A7.1.184 Phase 1 habitat plan of Chertsey Meads



Figure A7.1.185 Priority habitat plan of Chertsey Meads

Figure A7.1.186 Notable plants recorded during survey of Chertsey Meads

Figure A7.1.187 Invasive non-native plants recorded during survey of Chertsey Meads

Figure A7.1.188 Site plan of Dumsey Meadow

Figure A7.1.189 Background habitat and botanical records for Dumsey Meadow

Figure A7.1.190 Phase 1 habitat plan of Dumsey Meadow

Figure A7.1.191 Priority habitat plan of Dumsey Meadow

Figure A7.1.192 Vegetation plan of Dumsey Meadow

Figure A7.1.193 Notable plants recorded during survey of Dumsey Meadow

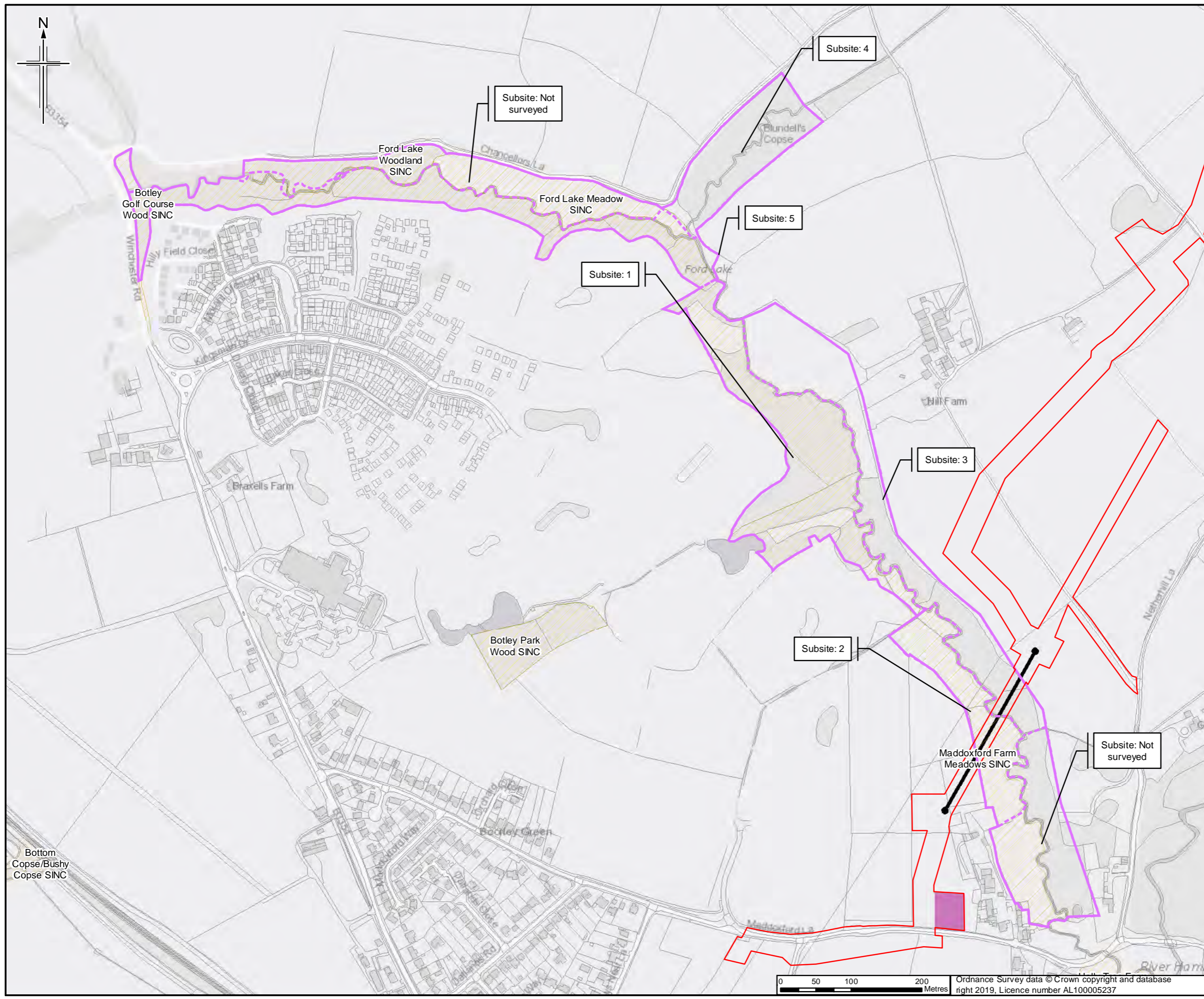
Figure A7.1.194 Invasive non-native plants recorded during survey of Dumsey Meadow

Figure A7.1.195 Phase 1 habitat legend

Figure A7.1.196 Vegetation habitat legend



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- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SINC/SNCI
 - Survey site boundary
 - Survey subsite boundary

Sheet displays part of Section A

Rev.	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
0	4/04/2019	For Issue				

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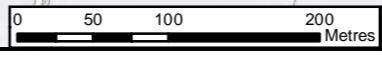
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 Esso Petroleum Company, Limited
 Ermyn House,
 Ermyn Way,
 Leatherhead,
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 KT22 8UX

Project
Southampton to London Pipeline Project

Drawing title
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 SITE PLAN OF
 FORD LAKE
 APFP Reg. (2009) 5(2)(l)**

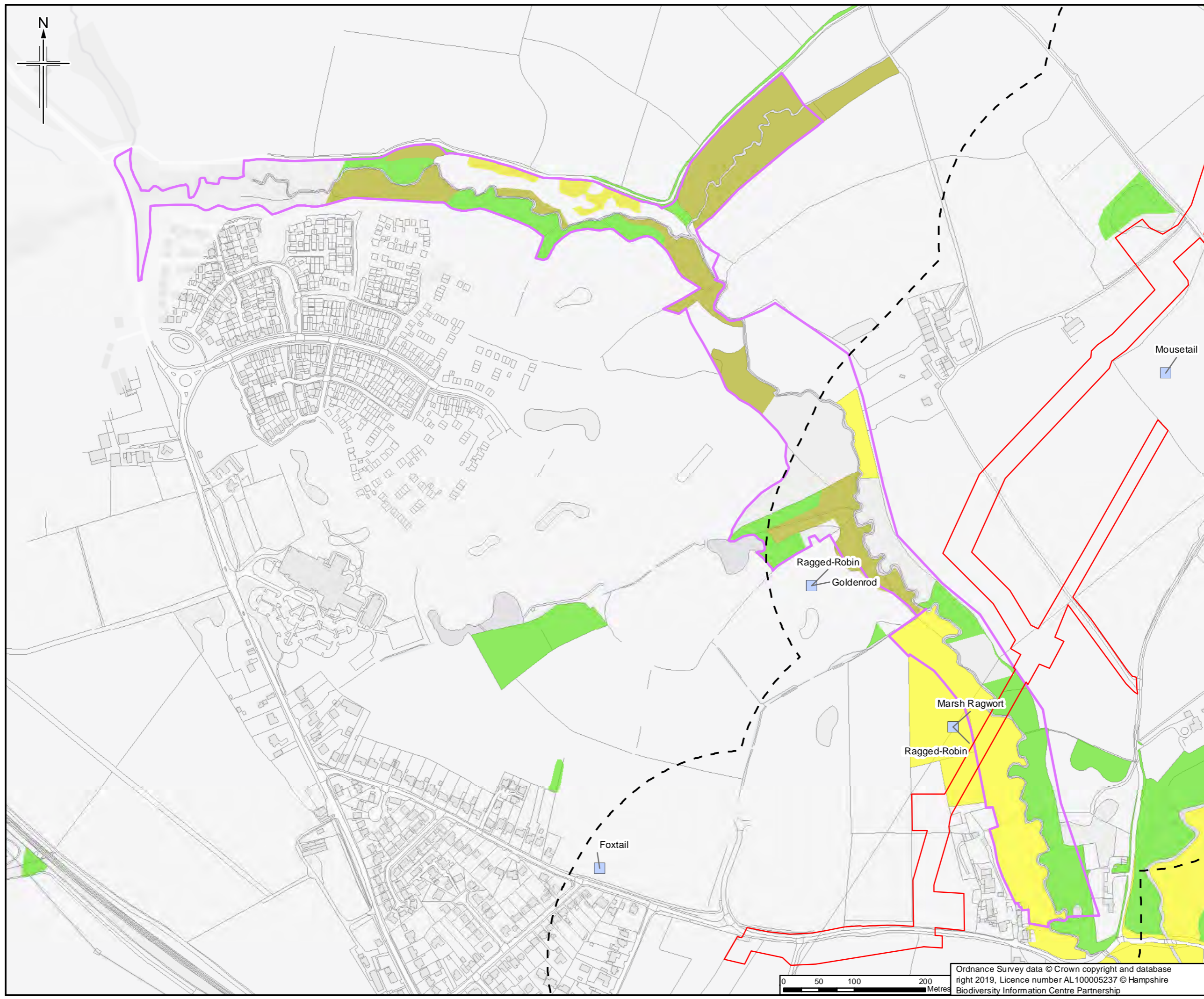
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001053	
Drawing number	Figure A7.1.1 Sheet 1 of 1	Rev 0

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Bottom Copse/Bushy Copse SINC



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Meadows
 - Lowland Mixed Deciduous Woodland
 - Wet Woodland

Sheet displays part of Section A

Rev.	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
0	14/03/2019	For Issue		JH	NS	DM SH

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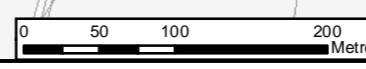
Project
Southampton to London Pipeline Project

Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT BACKGROUND HABITAT AND BOTANICAL RECORDS FOR FORD LAKE**

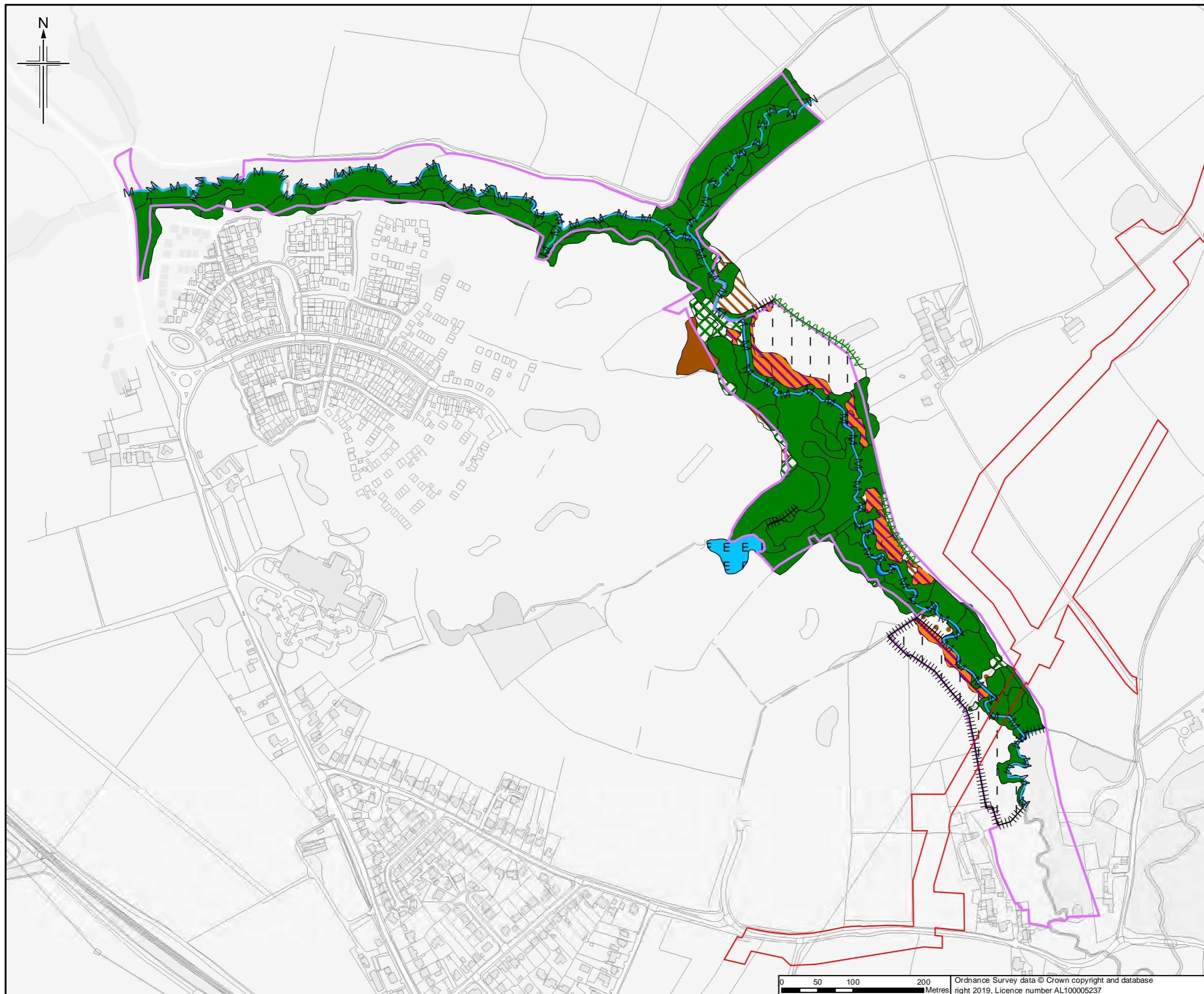
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001058
Drawing number	Figure A7.1.2 Sheet 1 of 1
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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

Sheet displays part of Section A

Rev.	Date	Purpose of revision	Orig/Dwn	Checkd	Rev'd	Apprv'd
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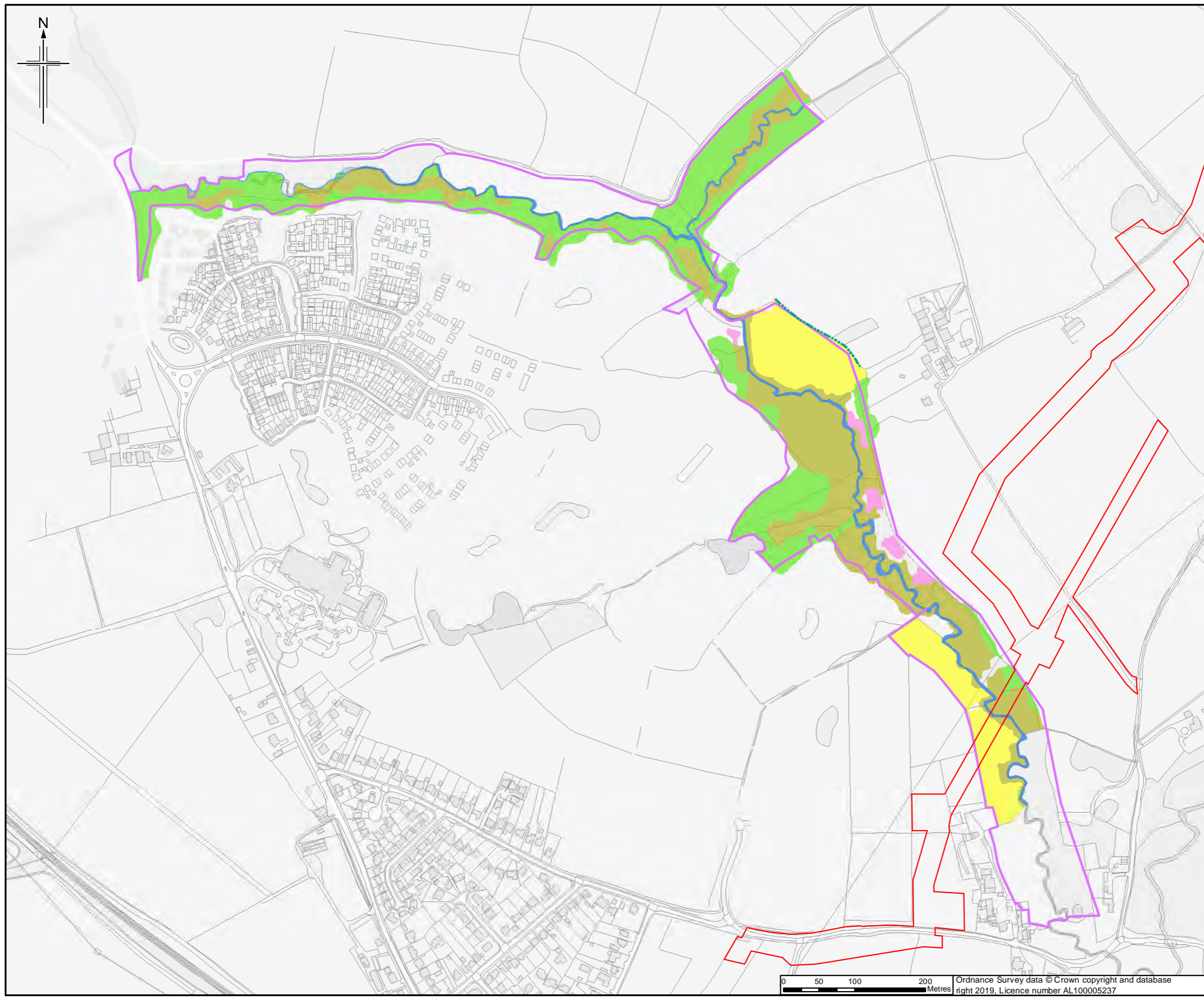
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF FORD LAKE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
Scale	1:5,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001054	
Drawing number	Figure A7.1.3 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Coastal and Floodplain
 - Grazing Marsh
 - Lowland Mixed Deciduous Woodland
 - Purple Moor-grass and Rush Pastures
 - Rivers
 - Wet Woodland
 - Hedgerows

Sheet displays part of Section A

0	4/04/2019	For Issue	JH	NS	DM	SH
Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checkd	Rev'd	Apprv'd

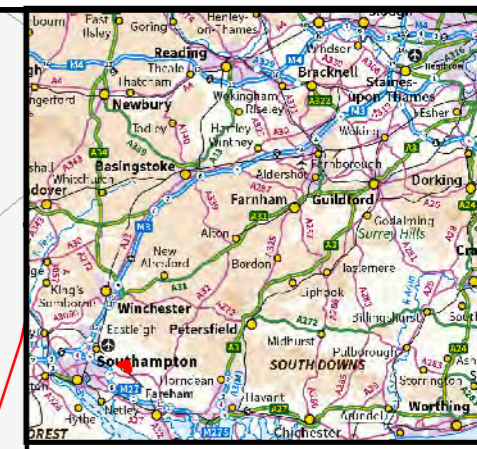
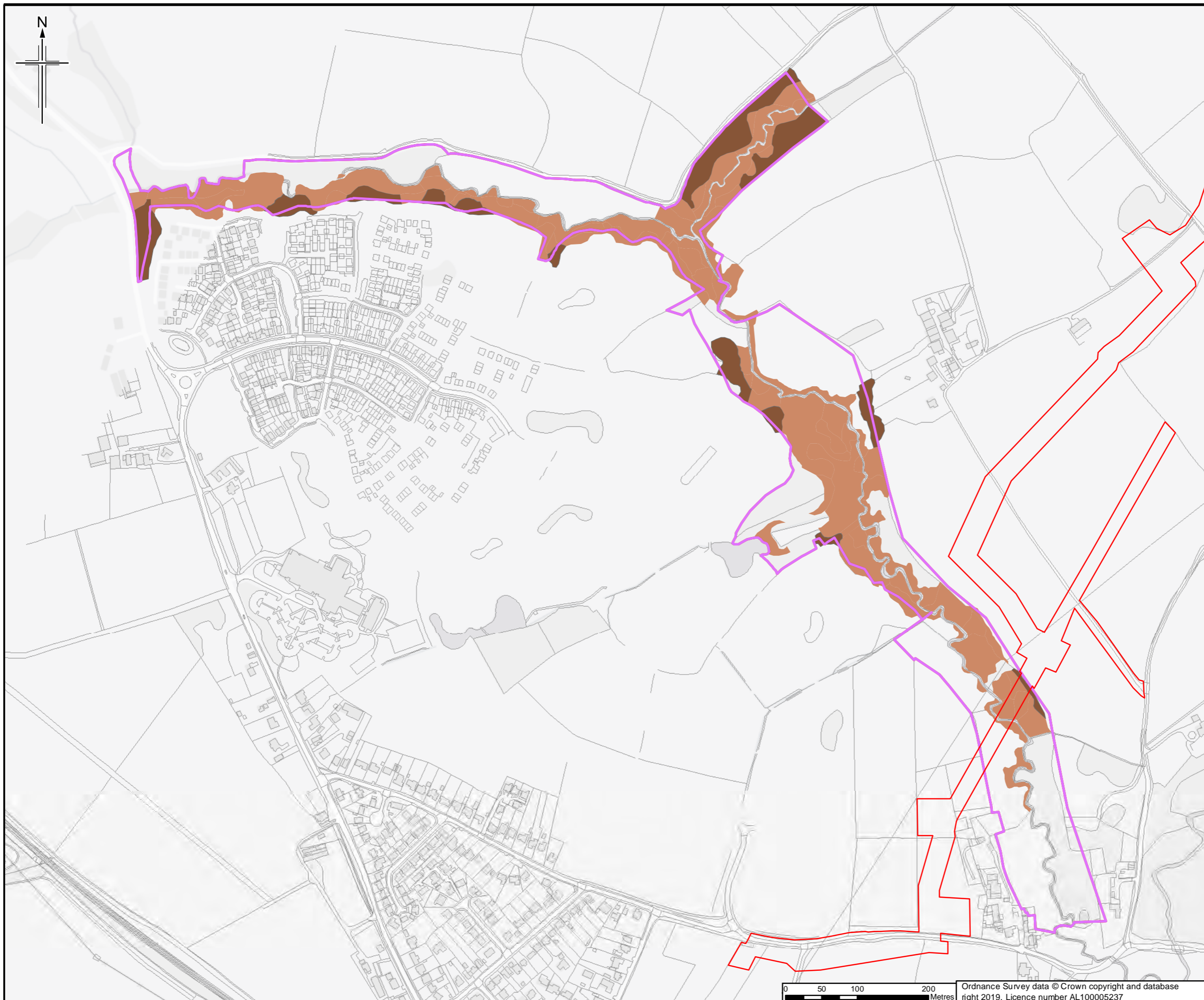
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 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF FORD LAKE
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:5,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001055	
Drawing number	Figure A7.1.4 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Annex I habitat**
- H9190 Old acidophilous oak woods with *Quercus robur* on sandy plains
 - H91E0 Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)

Sheet displays part of Section A

Rev	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
0	14/03/2019	For Issue	JH	NS	DM	SH

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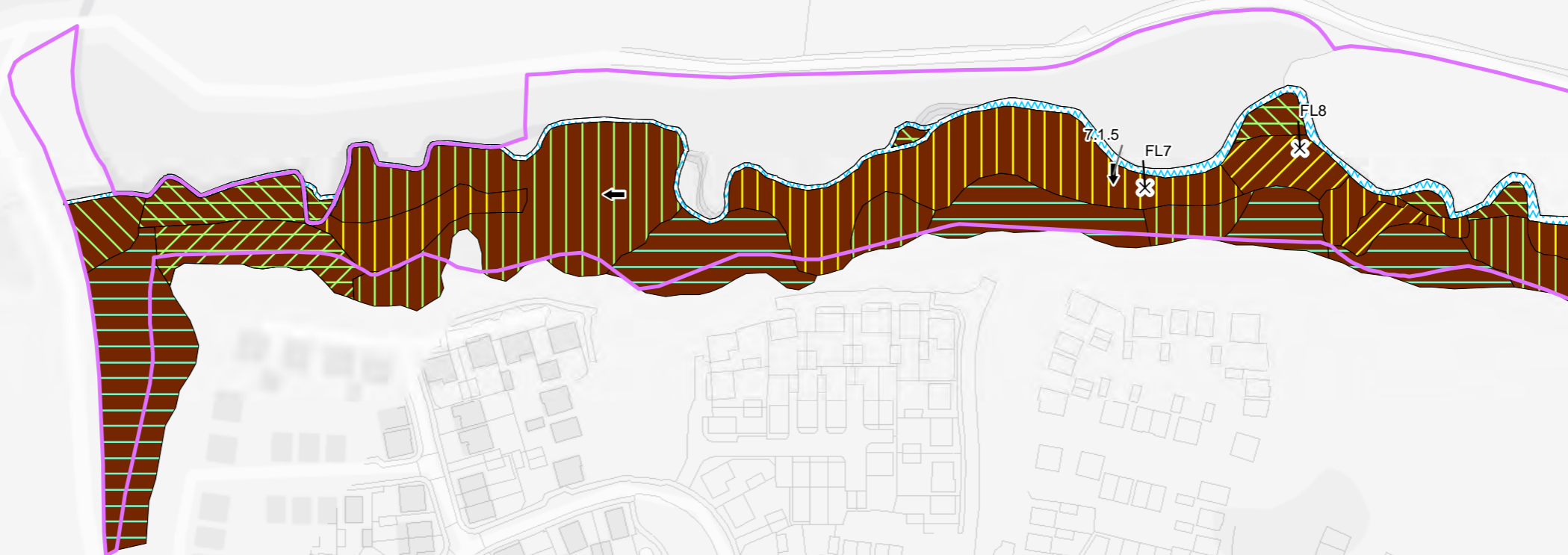
APPENDIX 7.1 HABITATS AND BOTANY REPORT
 ANNEX I HABITAT PLAN OF FORD LAKE
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Project/Wise No.	B2325300-JAC-000-ENV-DRG-001056	
Drawing number	Figure A7.1.5 Sheet 1 of 1	Rev 0

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- Legend**
- Order Limits
 - Survey site boundary
 - Photograph and direction
 - × Quadrat
- For Vegetation Plan**
Legend please see Figure A7.1.196



Full NVC plant community names are provided in Annex G

Sheet displays part of Section A

0	30/4/2019	For Issue	JH	NS	DM	SH
Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd

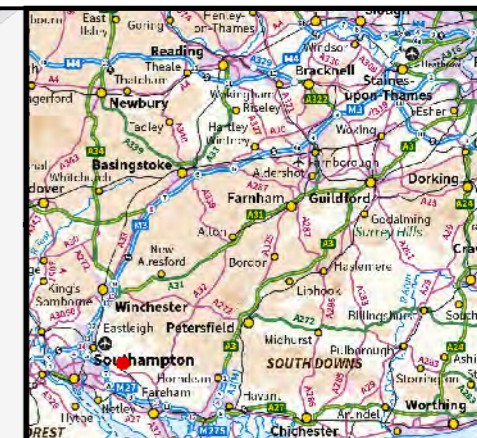
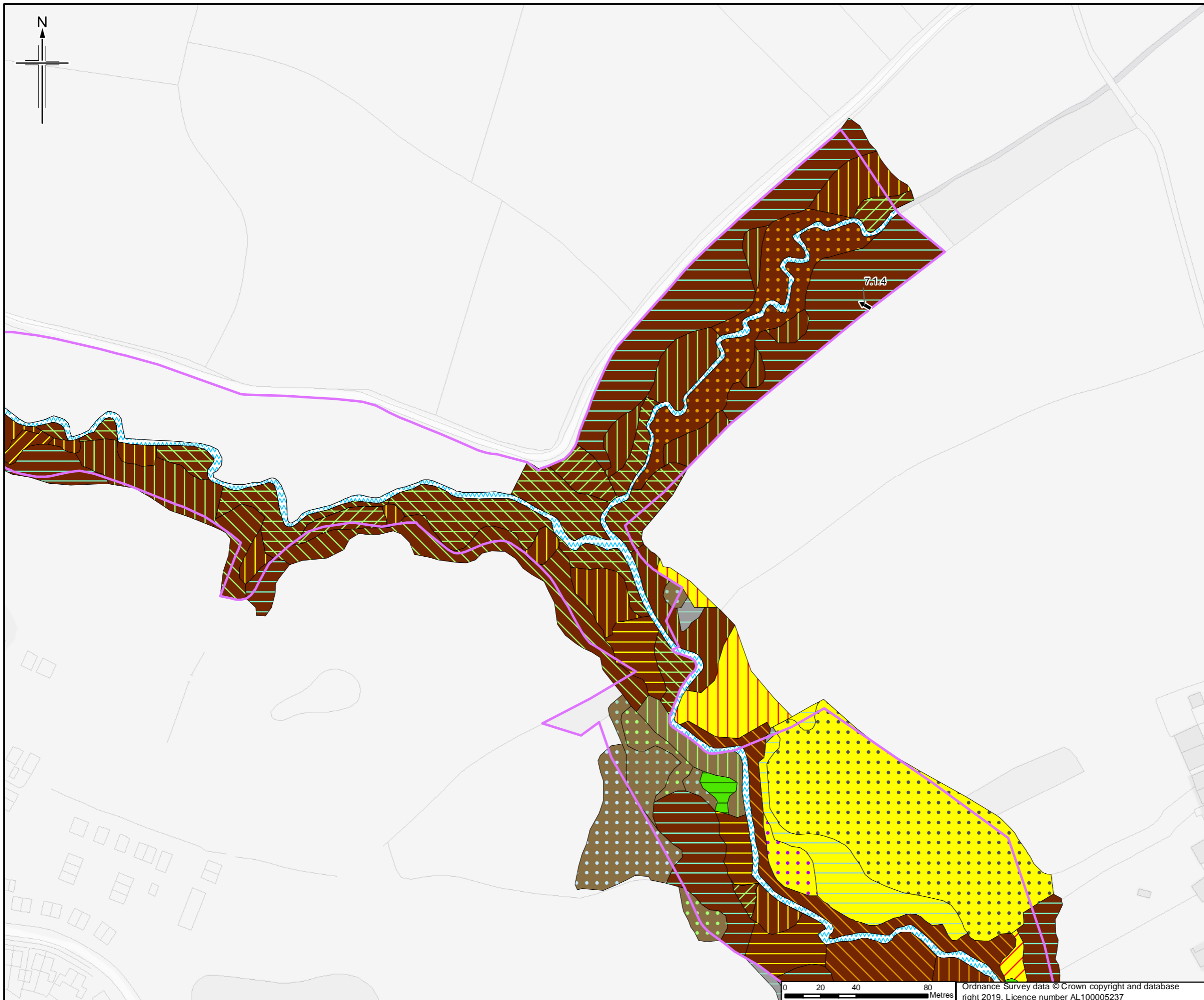


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 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF
 FORD LAKE
 APFP Reg. (2009) 5(2)(l)

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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001057	
Drawing number	Figure A7.1.6 Sheet 1 of 4	Rev 0



Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- × Quadrat

For Vegetation Plan
Legend please see Figure
A7.1.196

Full NVC plant community names are provided in Annex G

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Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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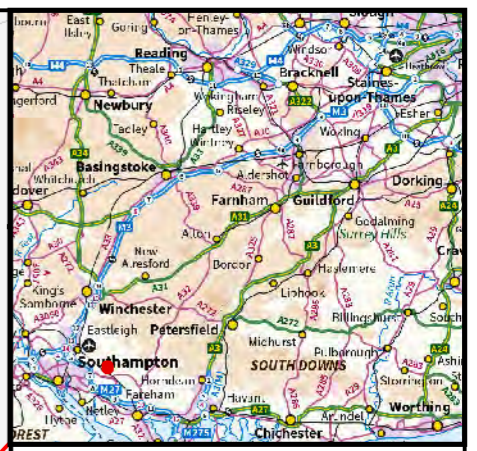
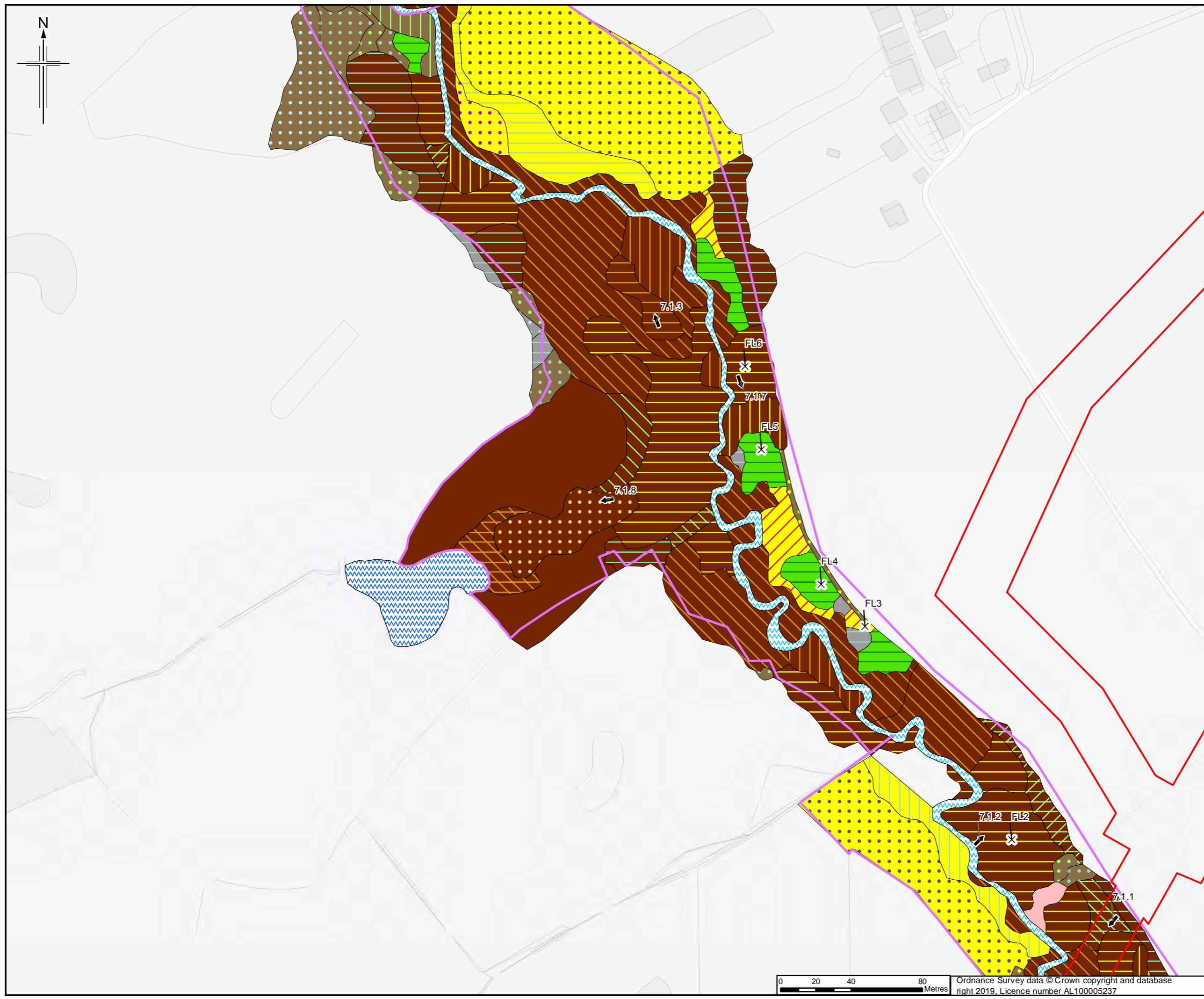
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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF
 FORD LAKE
 APFP Reg. (2009) 5(2)(l)

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Legend

- Order Limits
- Survey site boundary
- ↑ Photograph and direction
- × Quadrat

For Vegetation Plan
Legend please see Figure A7.1.196

Full NVC plant community names are provided in Annex G

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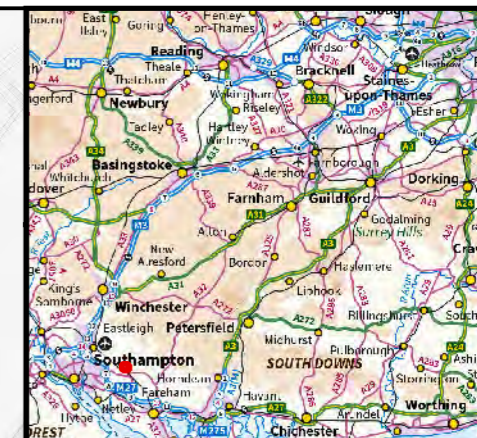
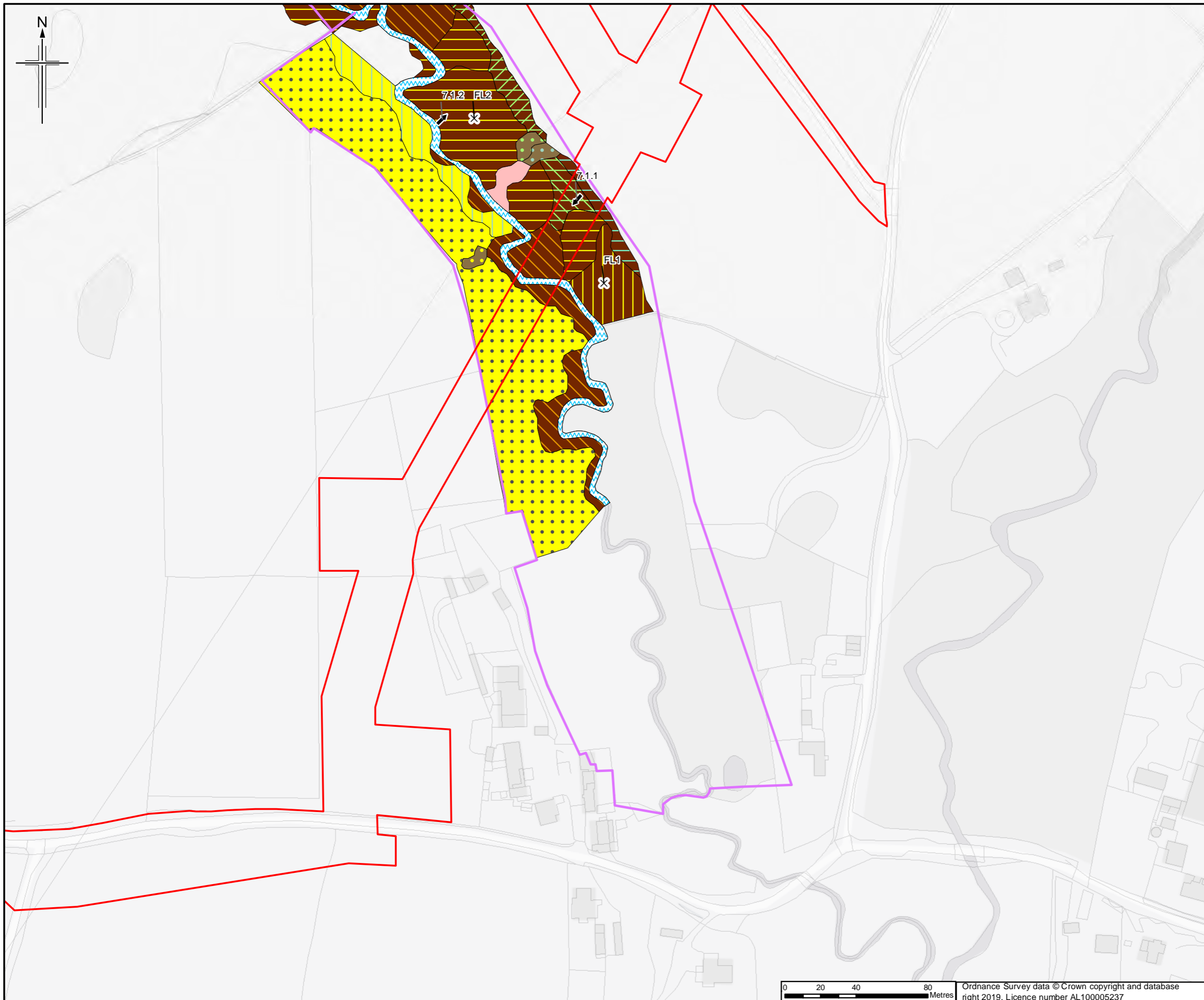
APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF FORD LAKE
 APFP Reg. (2009) 5(2)(l)

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Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- × Quadrat

For Vegetation Plan
Legend please see Figure A7.1.196

Full NVC plant community names are provided in Annex G

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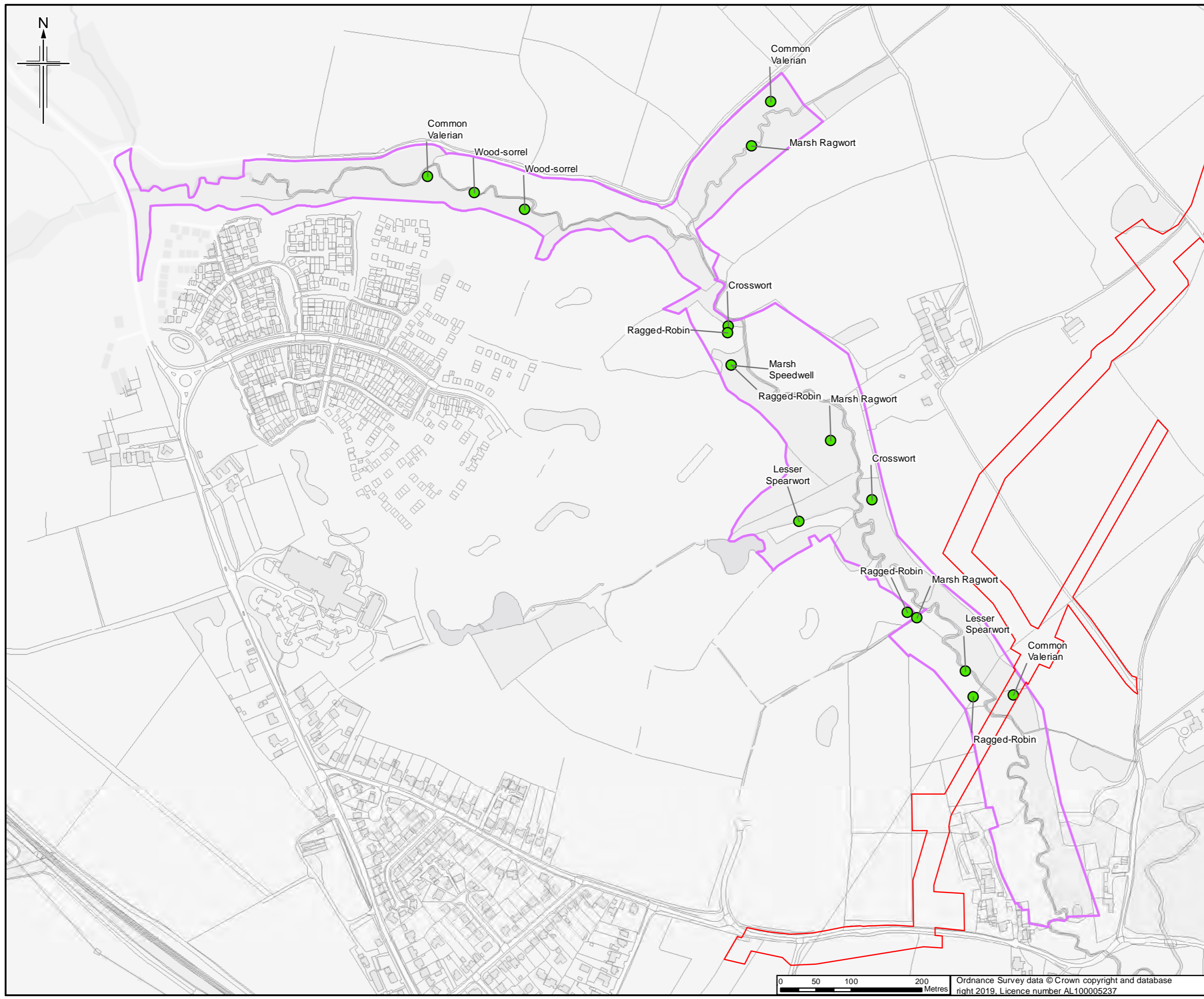
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF
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 APFP Reg. (2009) 5(2)(l)**

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	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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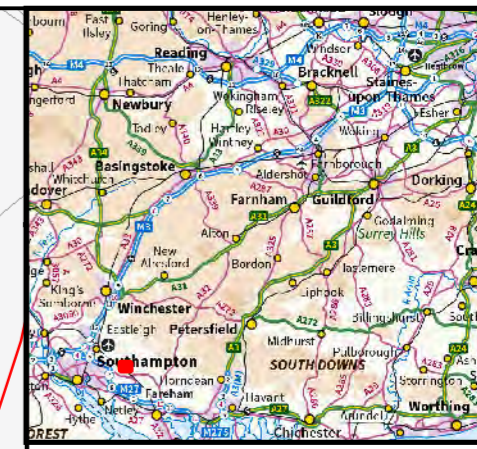
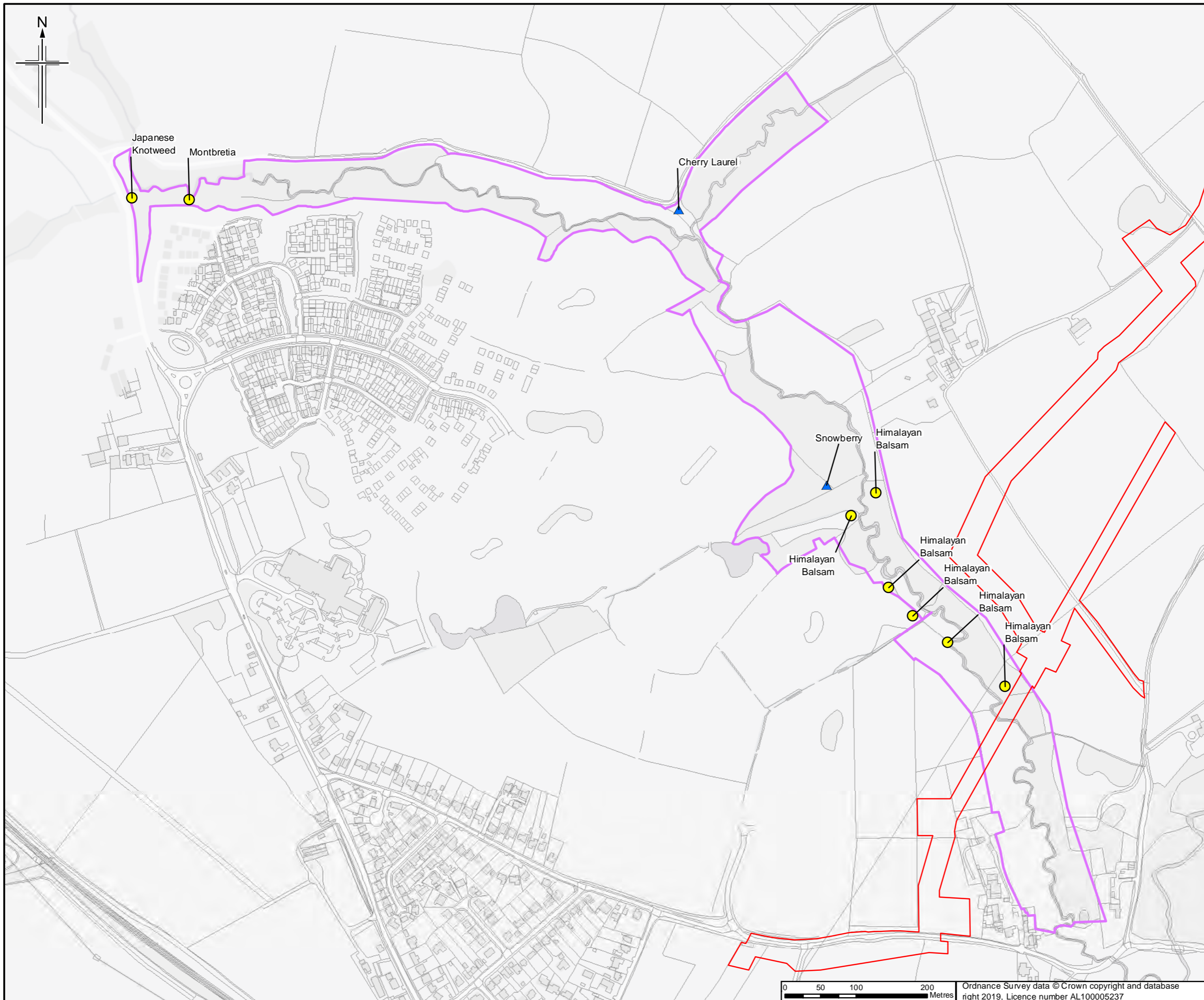
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 NOTABLE PLANTS RECORDED DURING SURVEY OF FORD LAKE**

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Jacobs No.	B2325300	
Project/Wise No.	B2325300-JAC-000-ENV-DRG-001059	

Drawing number: **Figure A7.1.7 Sheet 1 of 1** Rev 0



- Legend**
- ▭ Order Limits
 - ▭ Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

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Rev	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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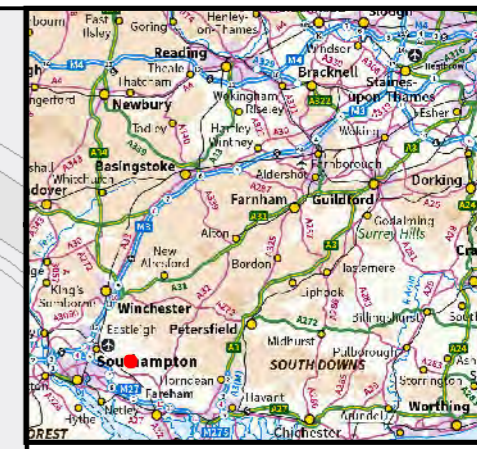
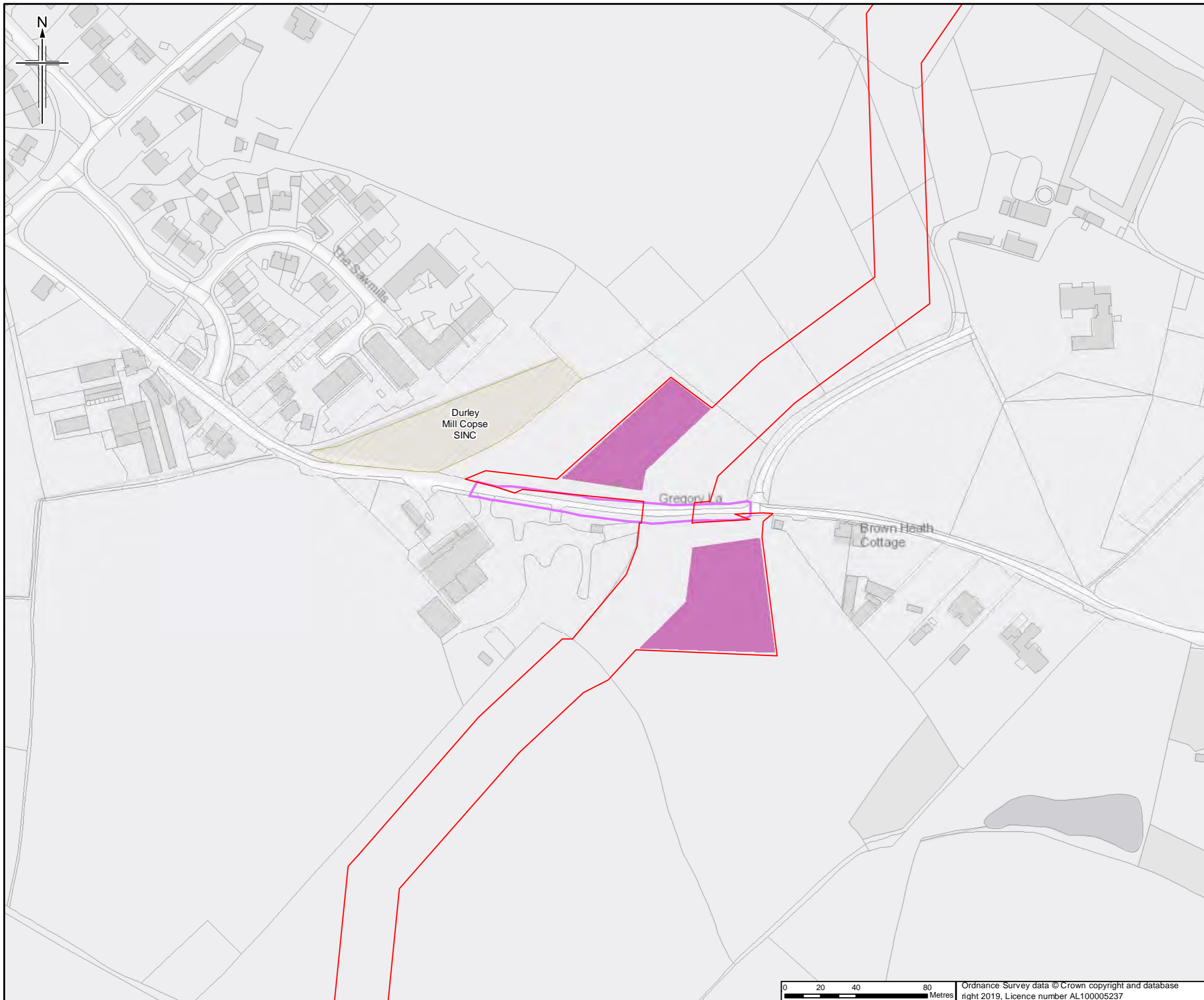
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 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF FORD LAKE
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001060	
Drawing number	Figure A7.1.8 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

Sheet displays part of Section A

Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	4/04/2019	For Issue		JH	NS	DM SH

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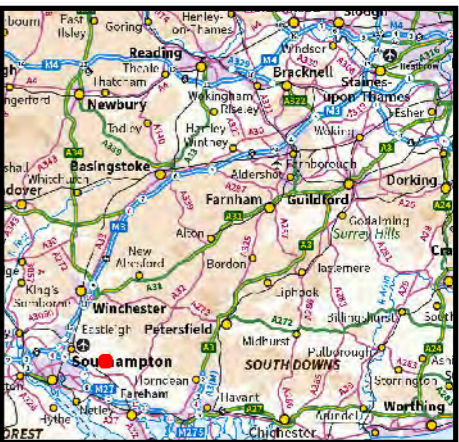
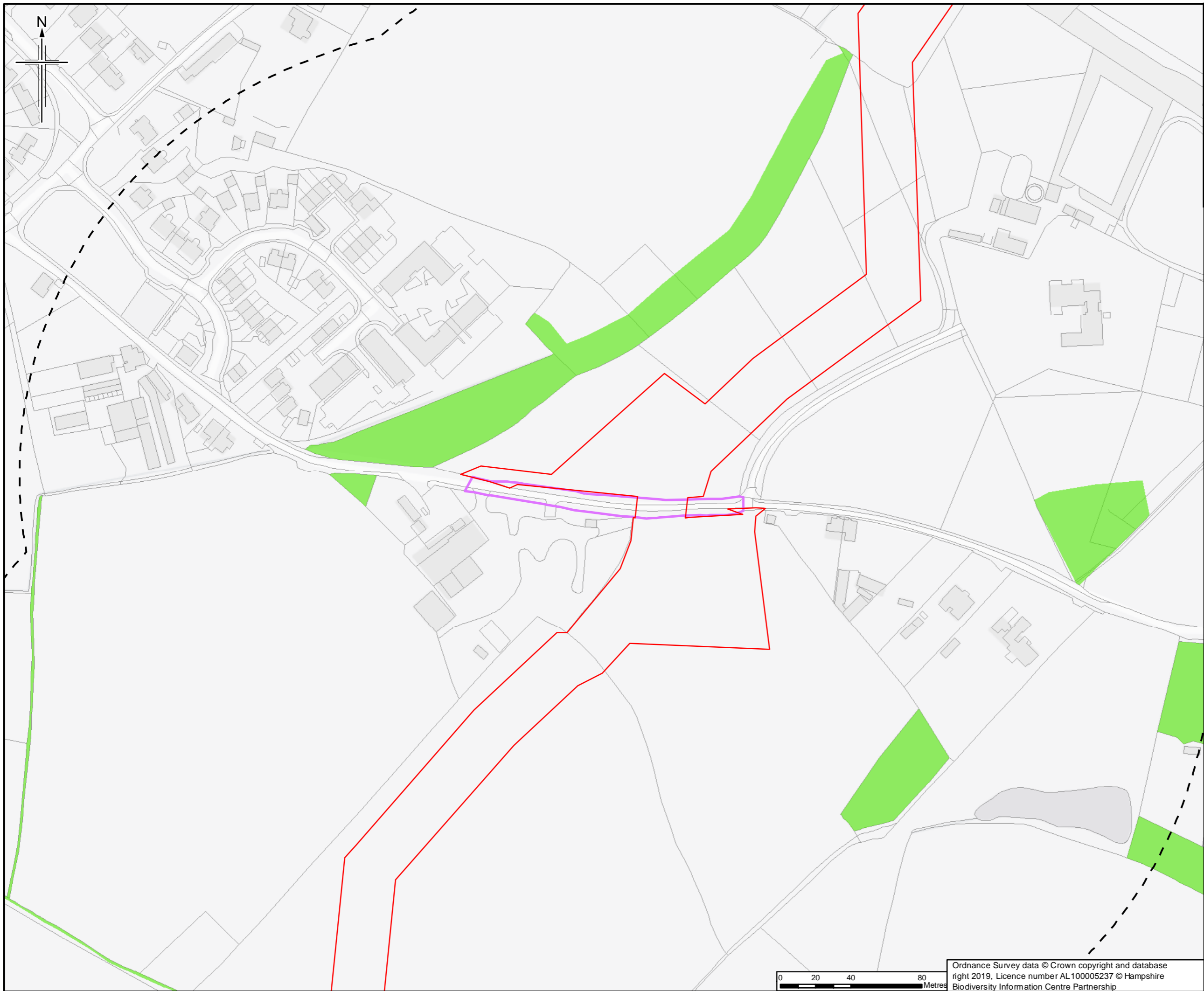
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 DURLEY HEDGE 1
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
Scale	1:2,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001061	
Drawing number	Figure A7.1.9 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

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Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	14/03/2019	For Issue	JH	NS	DM	SH

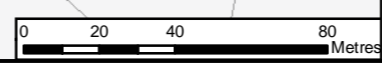


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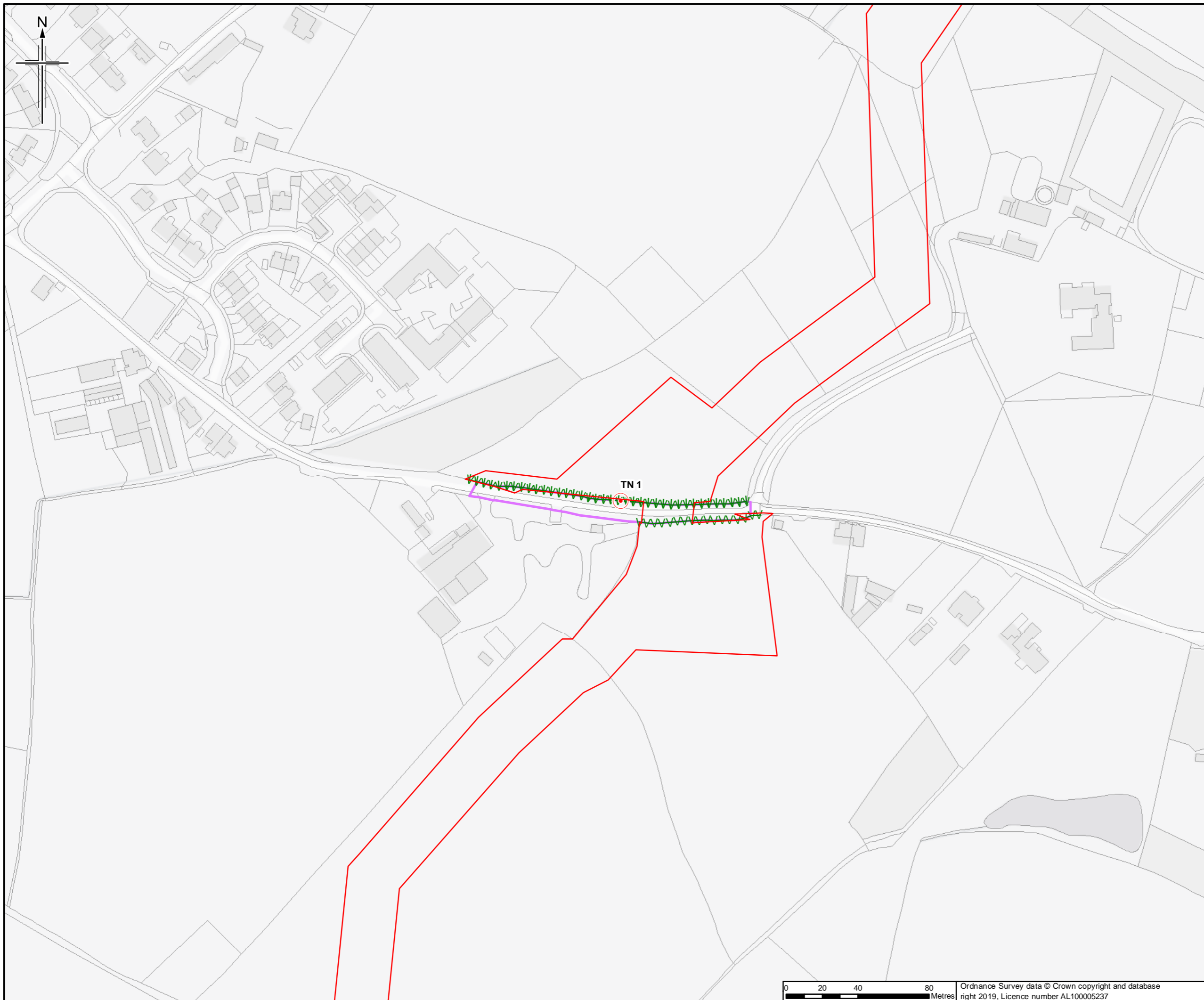
Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT BACKGROUND HABITAT AND BOTANICAL RECORDS FOR DURLEY HEDGE 1**

APFP Reg. (2009) 5(2)(l)
 Drawing Status **For Issue**
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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	30/4/2019	For Issue		JH	NS	DM SH

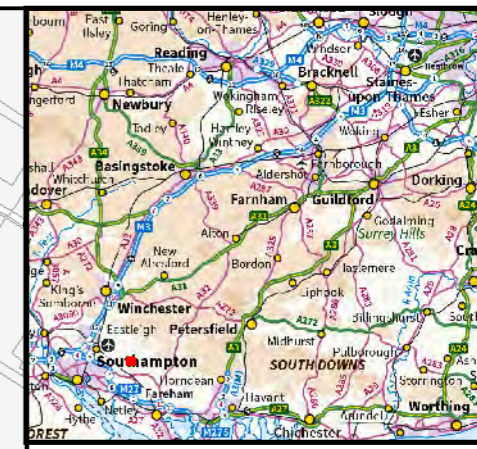
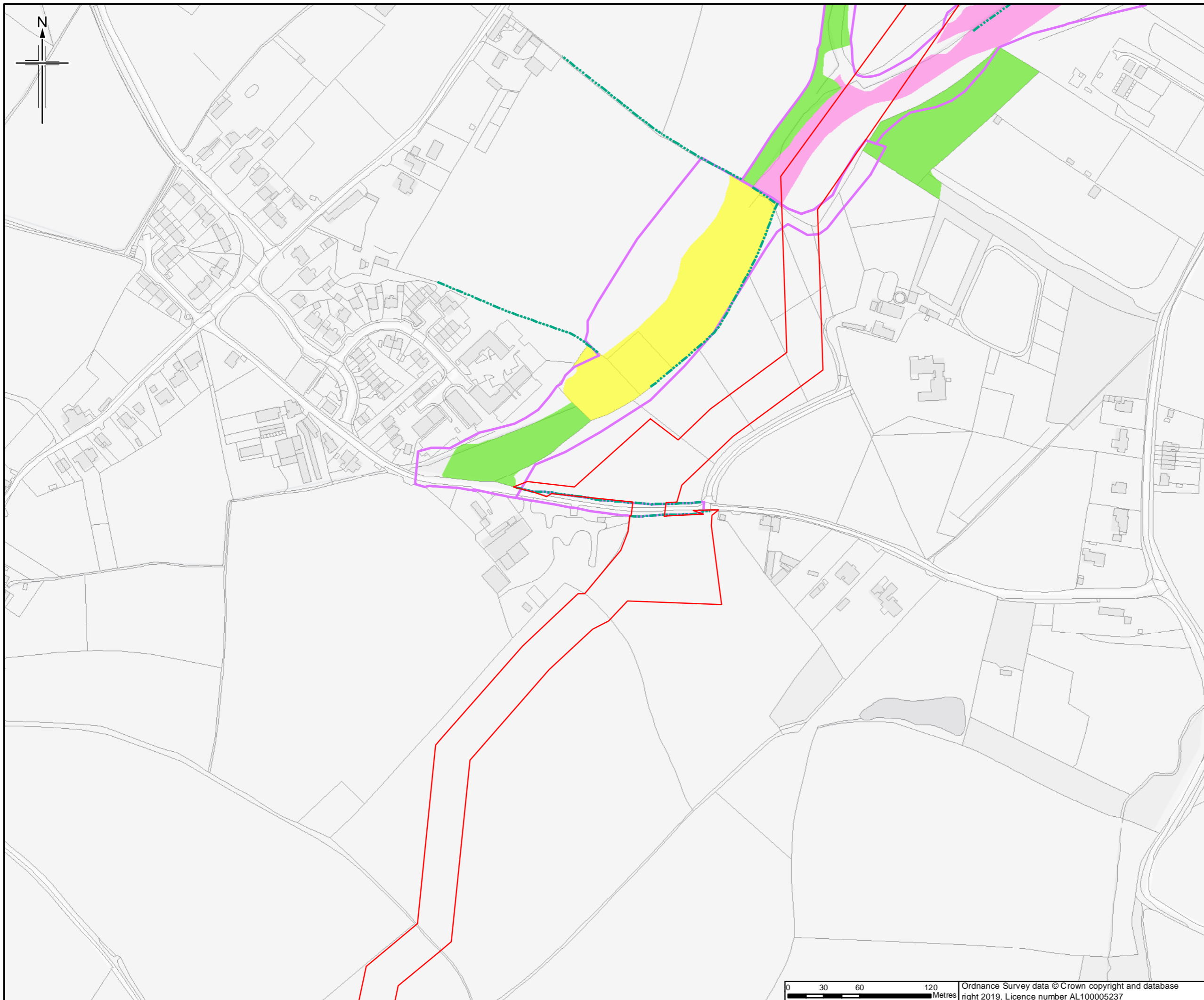
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 DURLEY HEDGE 1
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.11 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Coastal and Floodplain
 - Grazing Marsh
 - Lowland Mixed Deciduous Woodland
 - Purple Moor-grass and Rush Pastures
 - Hedgerows

Sheet displays part of Section A

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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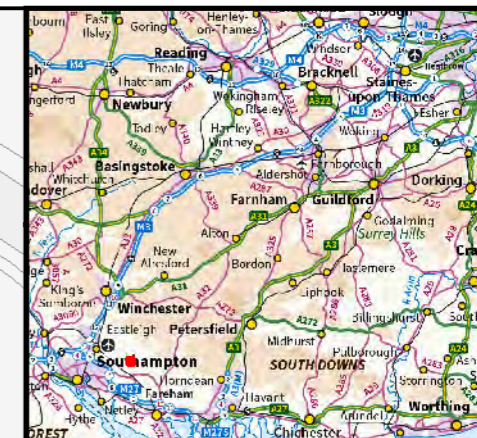
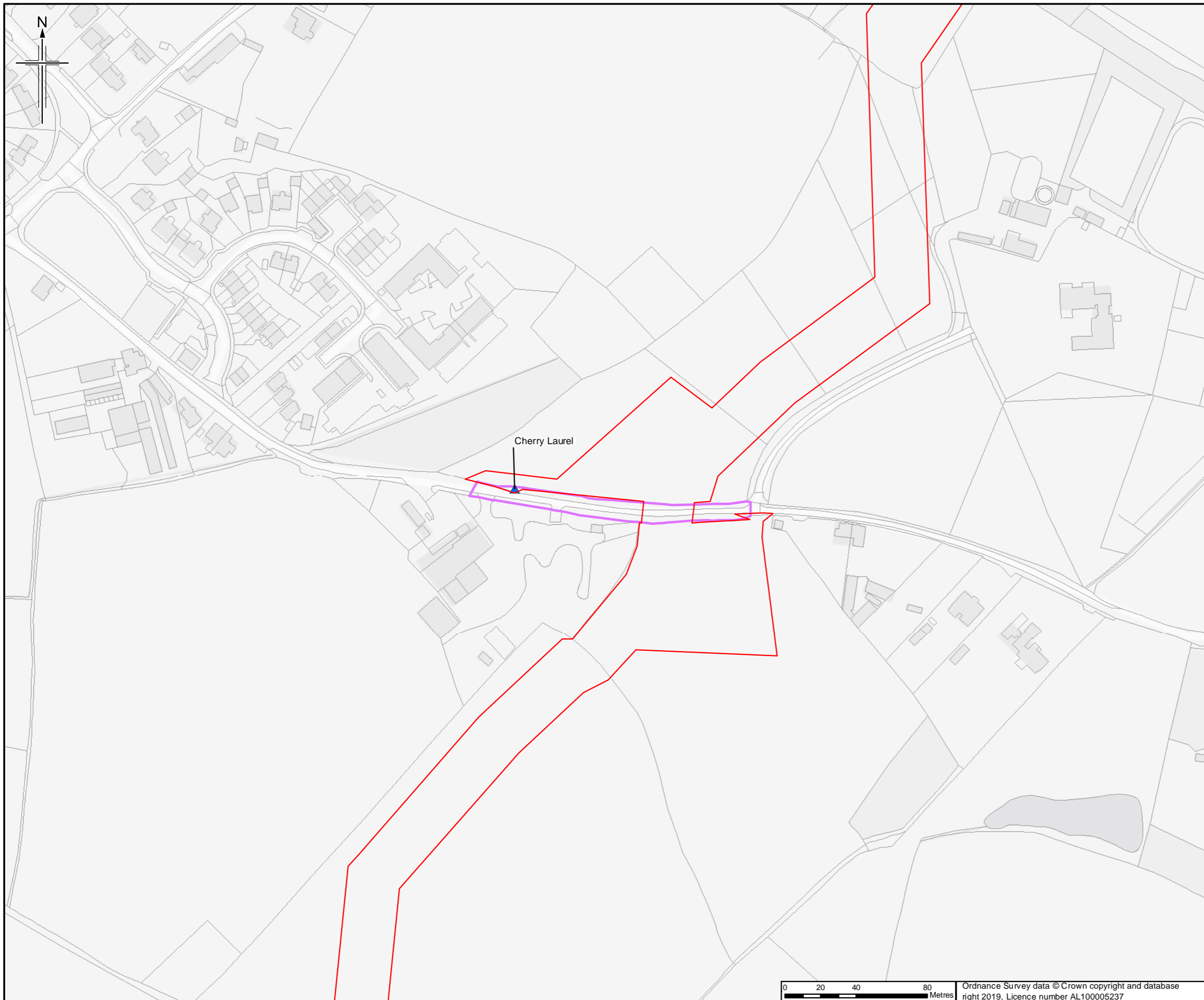
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF DURLEY HEDGE 1
 APFP Reg. (2009) 5(2)(i)

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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001063	
Drawing number	Figure A7.1.12 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - ▲ INNS
 - Schedule 9

Cherry Laurel

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Rev	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	5/3/2019	For Issue		JH	NS	DM SH

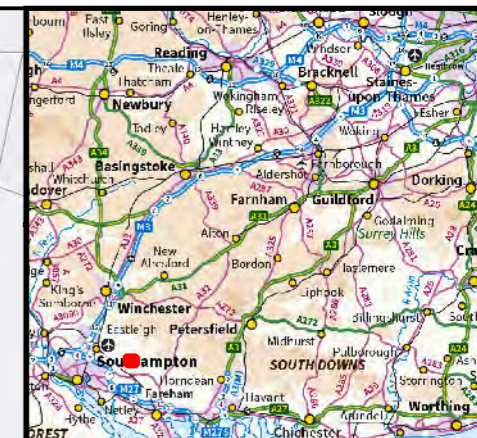
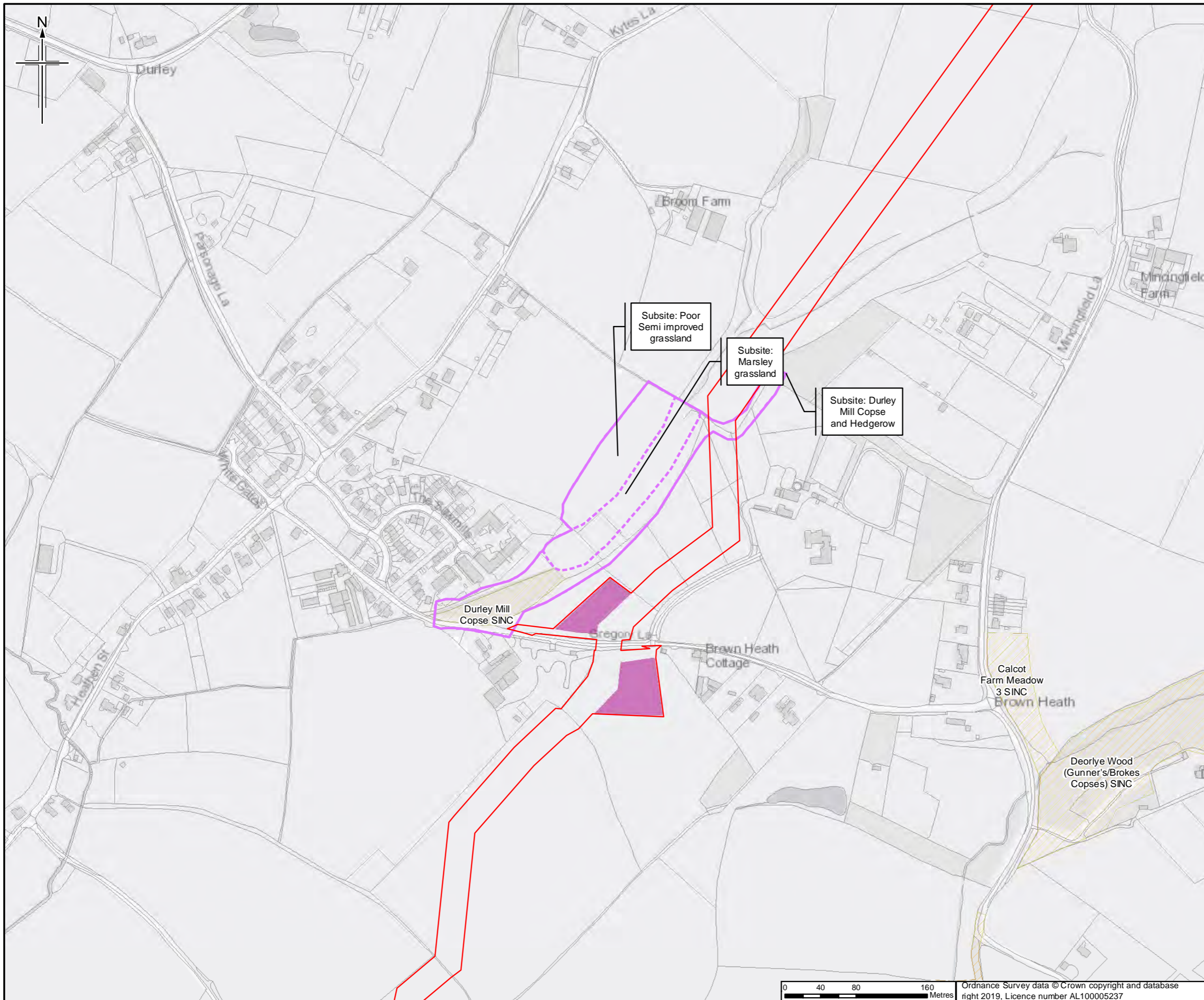


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 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF DURLEY HEDGE 1
 APFP Reg. (2009) 5(2)(l)**

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- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary
 - Survey subsite boundary

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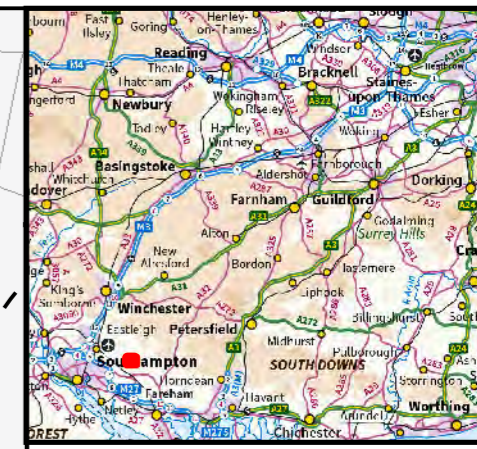
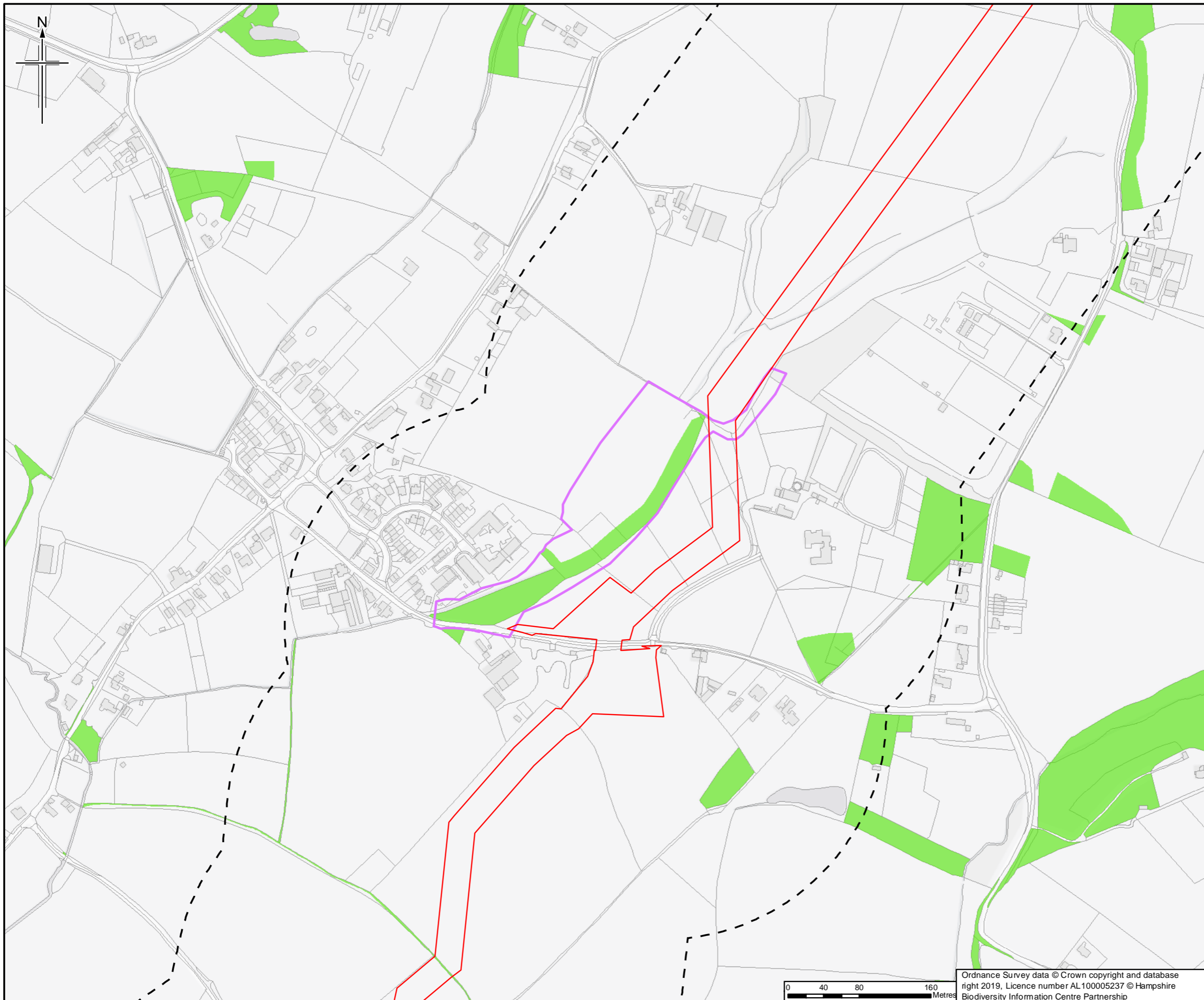
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 DURLEY HEDGE 2
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
Project/Wise No.	B2325300-JAC-000-ENV-DRG-001348	
Drawing number	Figure A7.1.14 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

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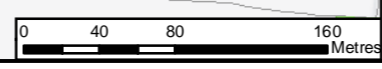
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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT BACKGROUND HABITAT AND BOTANICAL RECORDS FOR DURLEY HEDGE 2**

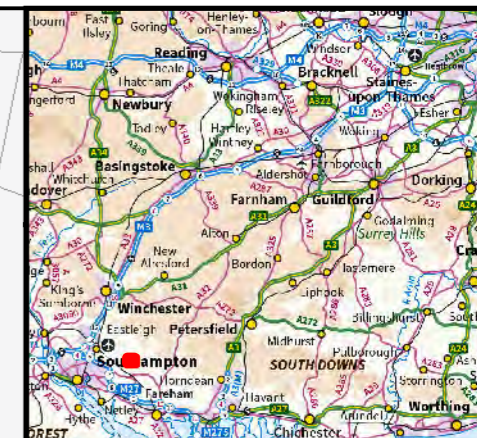
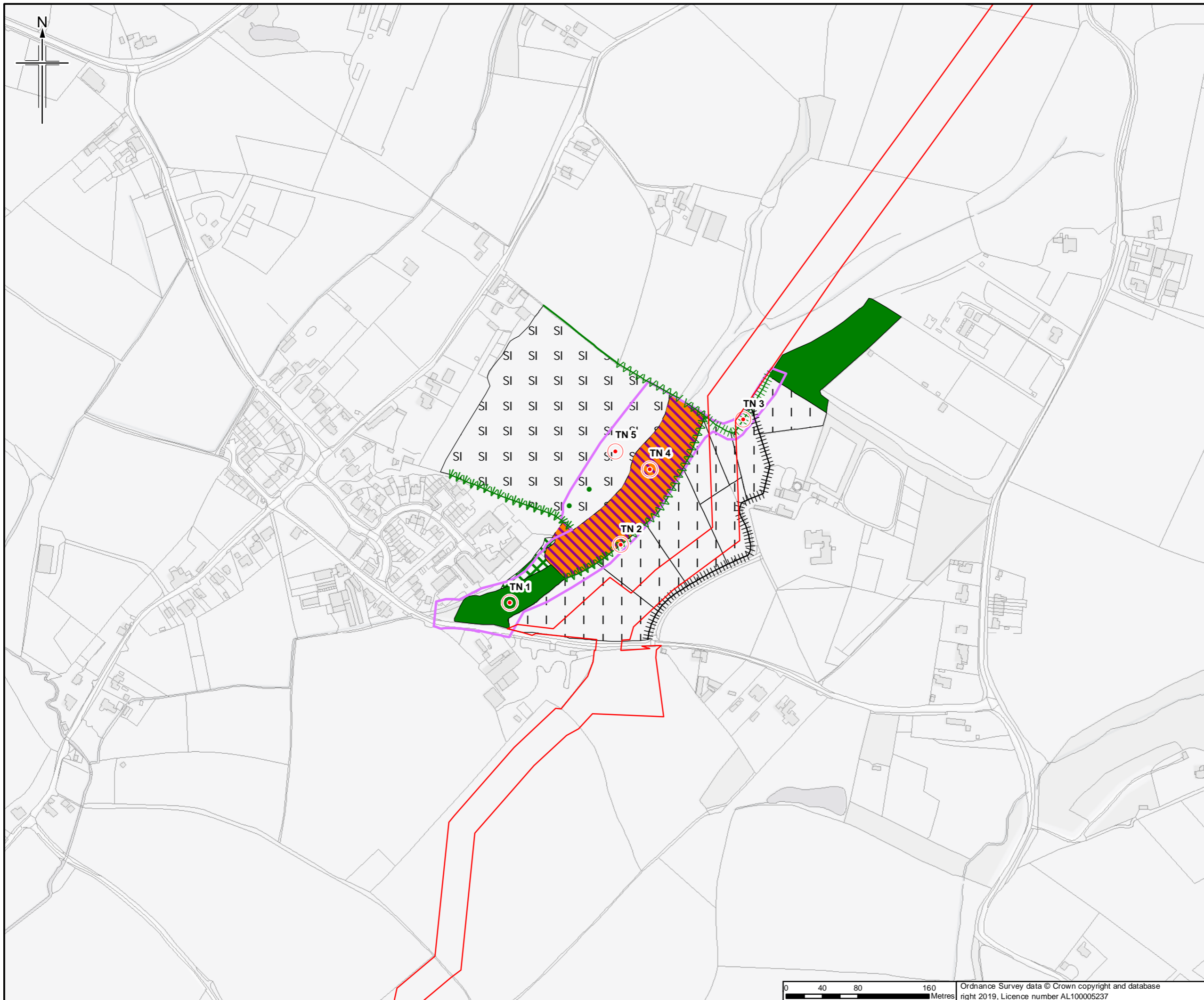
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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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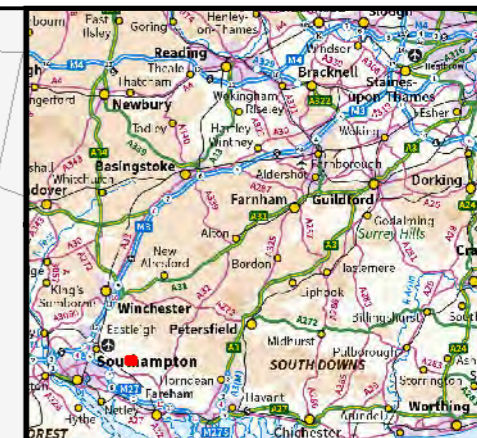
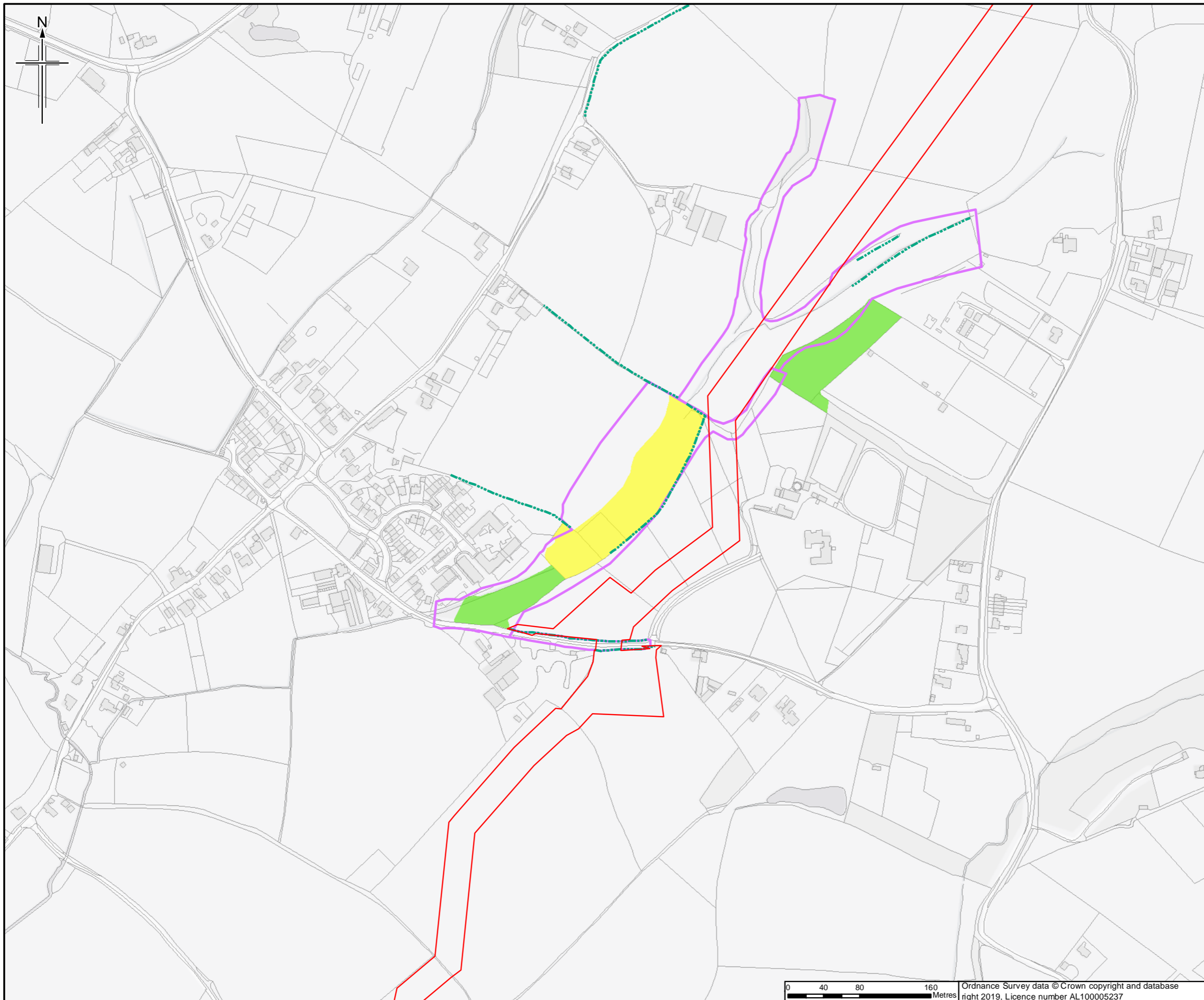
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF DURLEY HEDGE 2
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
Scale	1:4,000 @ A3 DO NOT SCALE
Jacobs No.	B2325300
Project/Wise No.	B2325300-JAC-000-ENV-DRG-001349
Drawing number	Figure A7.1.16 Sheet 1 of 1
Rev	0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
 - Lowland Mixed Deciduous Woodland
 - Hedgerows

Sheet displays part of Section A

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0	4/04/2019	For Issue			JH	NS DM SH

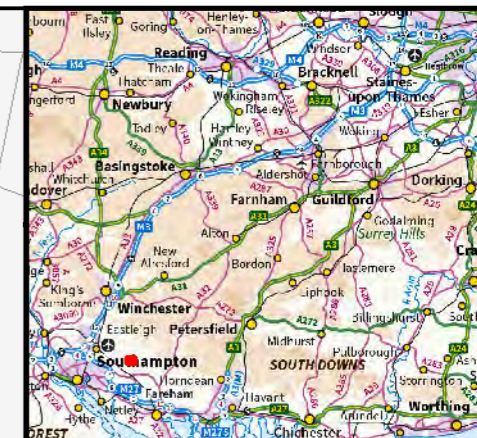
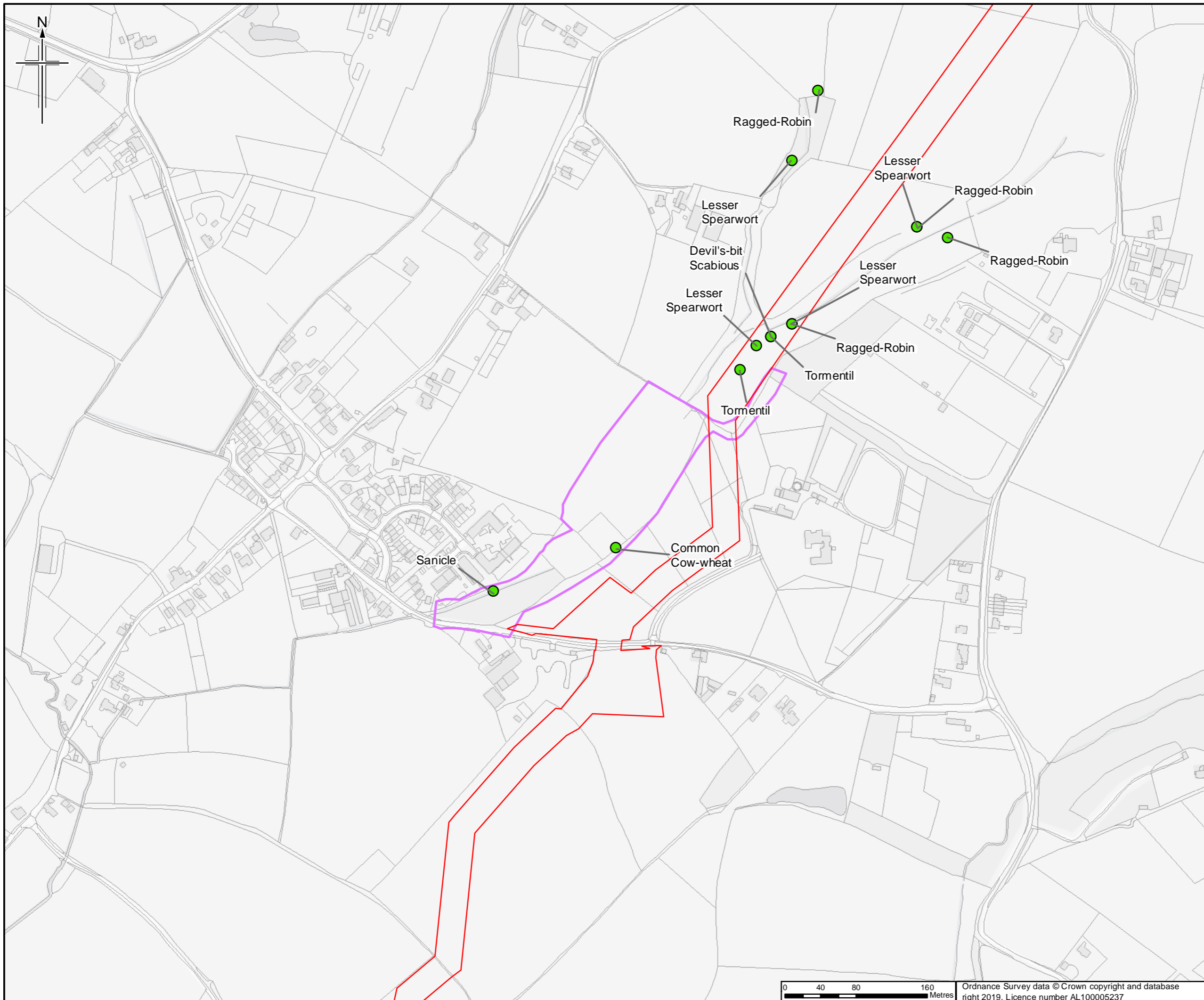
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 DURLEY HEDGE 2
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001350	
Drawing number	Figure A7.1.17 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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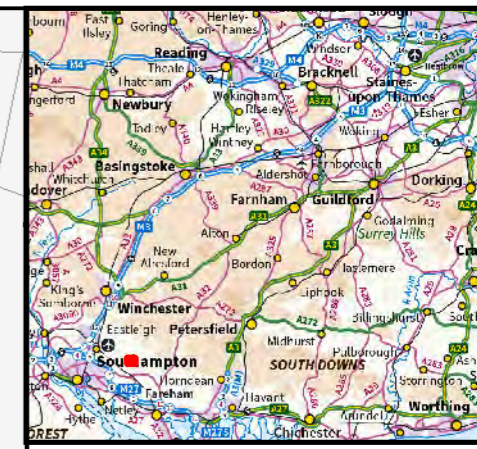
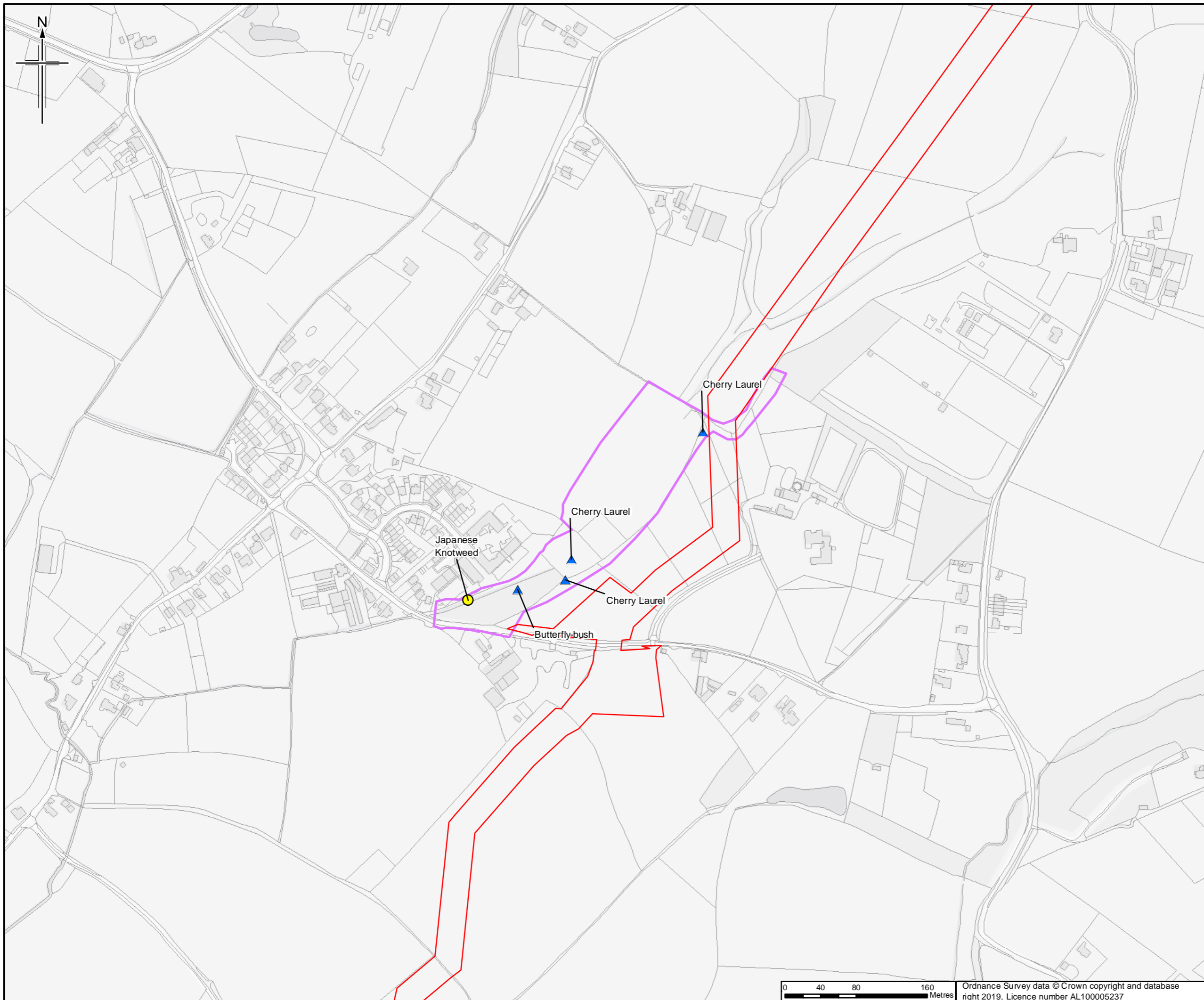
Project

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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF DURLEY HEDGE 2

APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Project/Wise No.	B2325300-JAC-000-ENV-DRG-001353	
Drawing number	Figure A7.1.18 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

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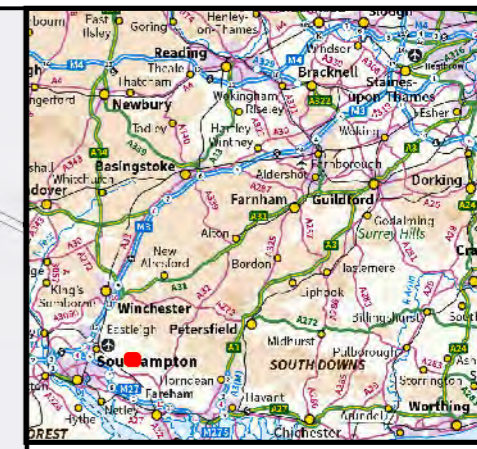
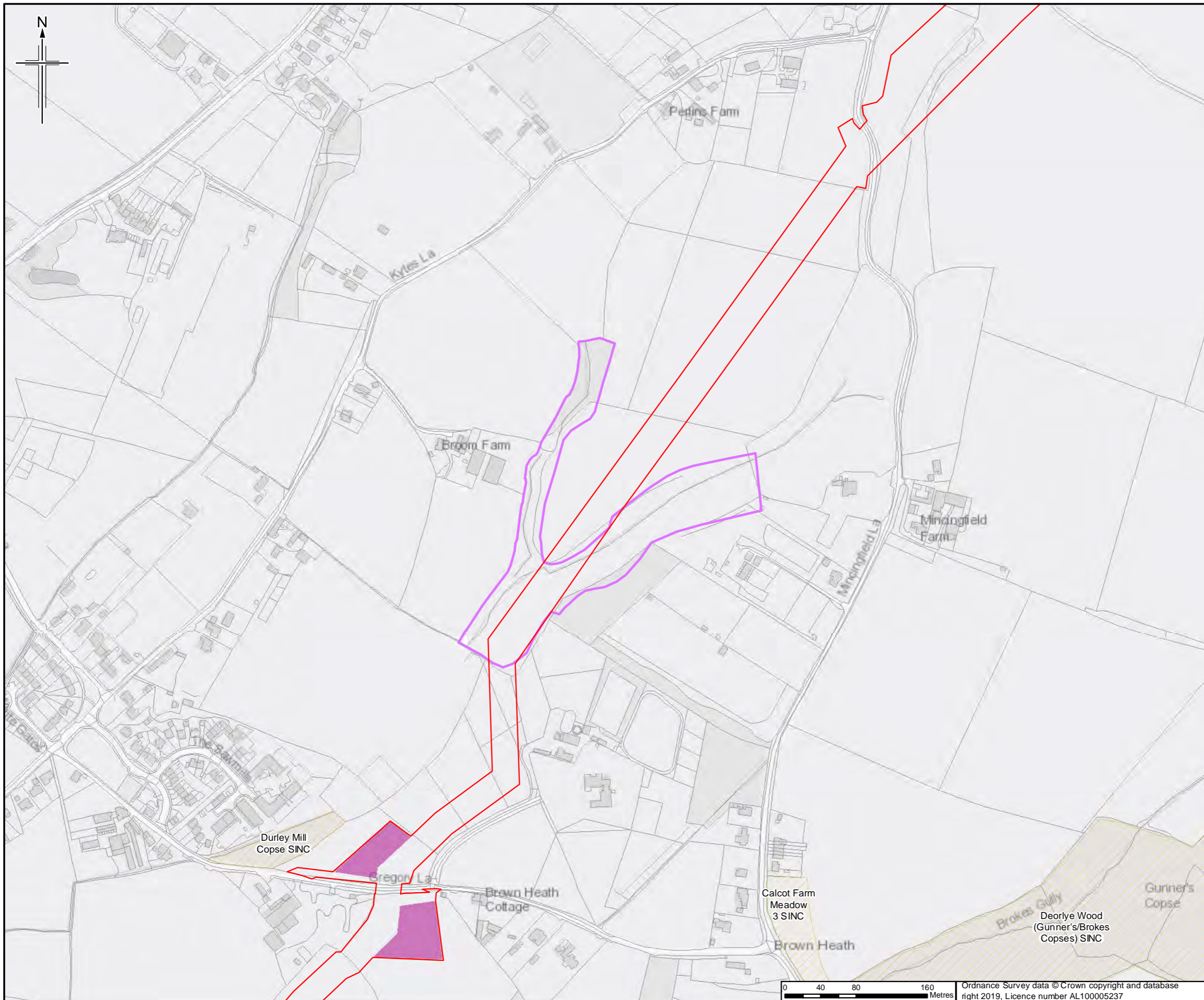
Project

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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF DURLEY HEDGE 2
 APFP Reg. (2009) 5(2)(l)

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Drawing number	Figure A7.1.19 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

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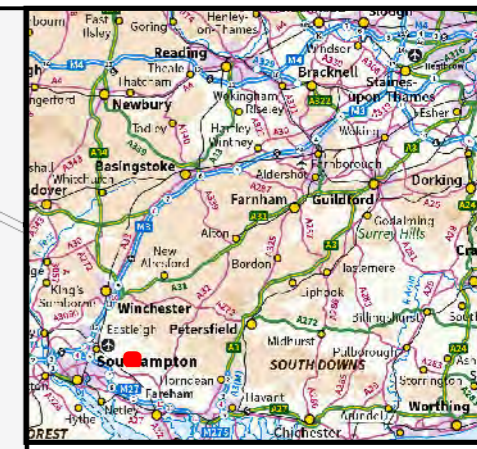
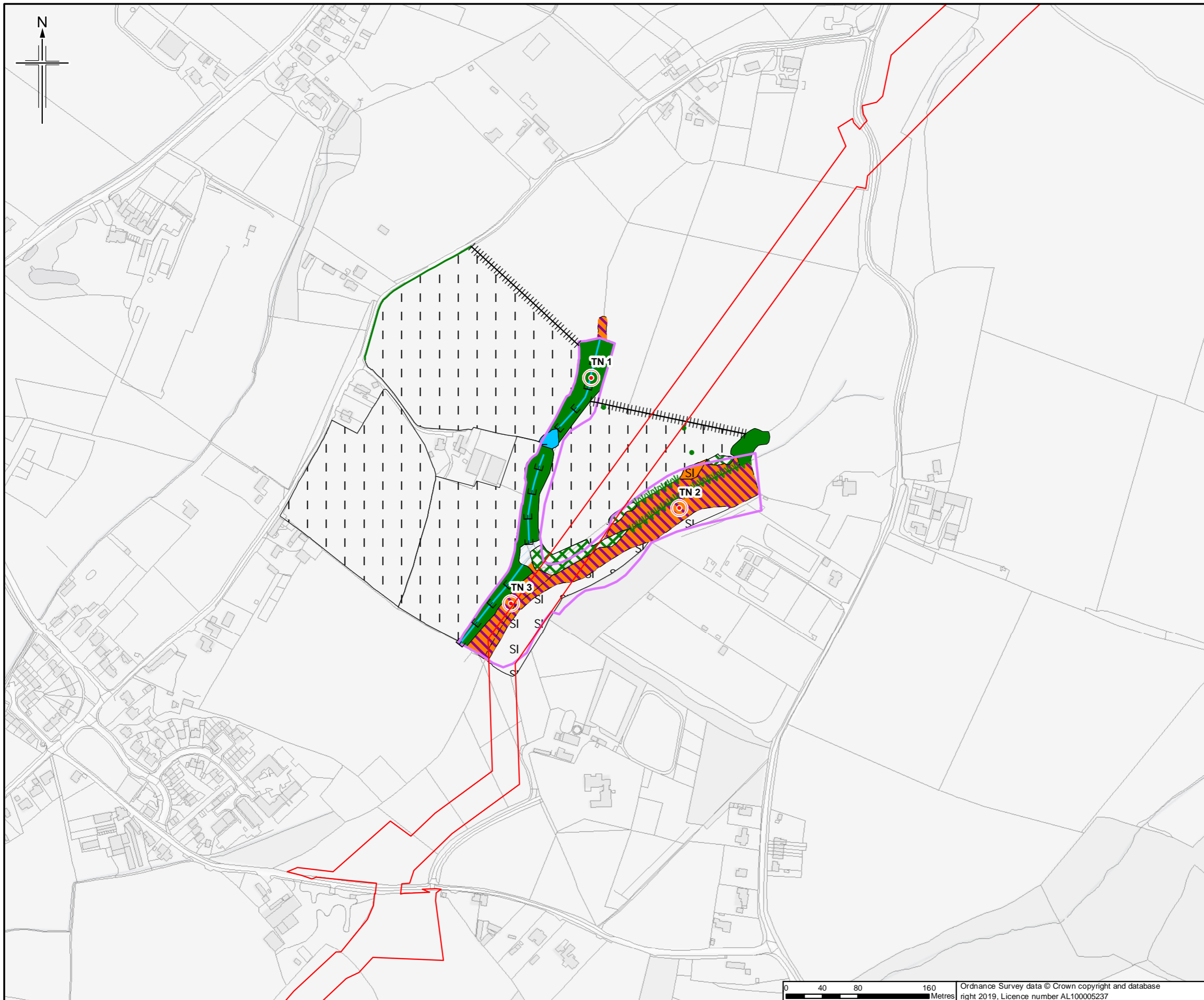
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 DURLEY GREEN LANE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001355
Drawing number	Figure A7.1.20 Sheet 1 of 1
	Rev 0



Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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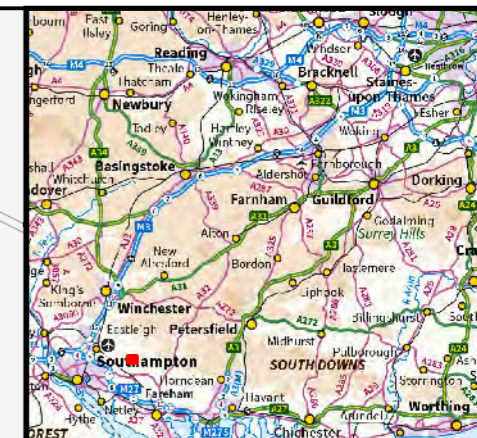
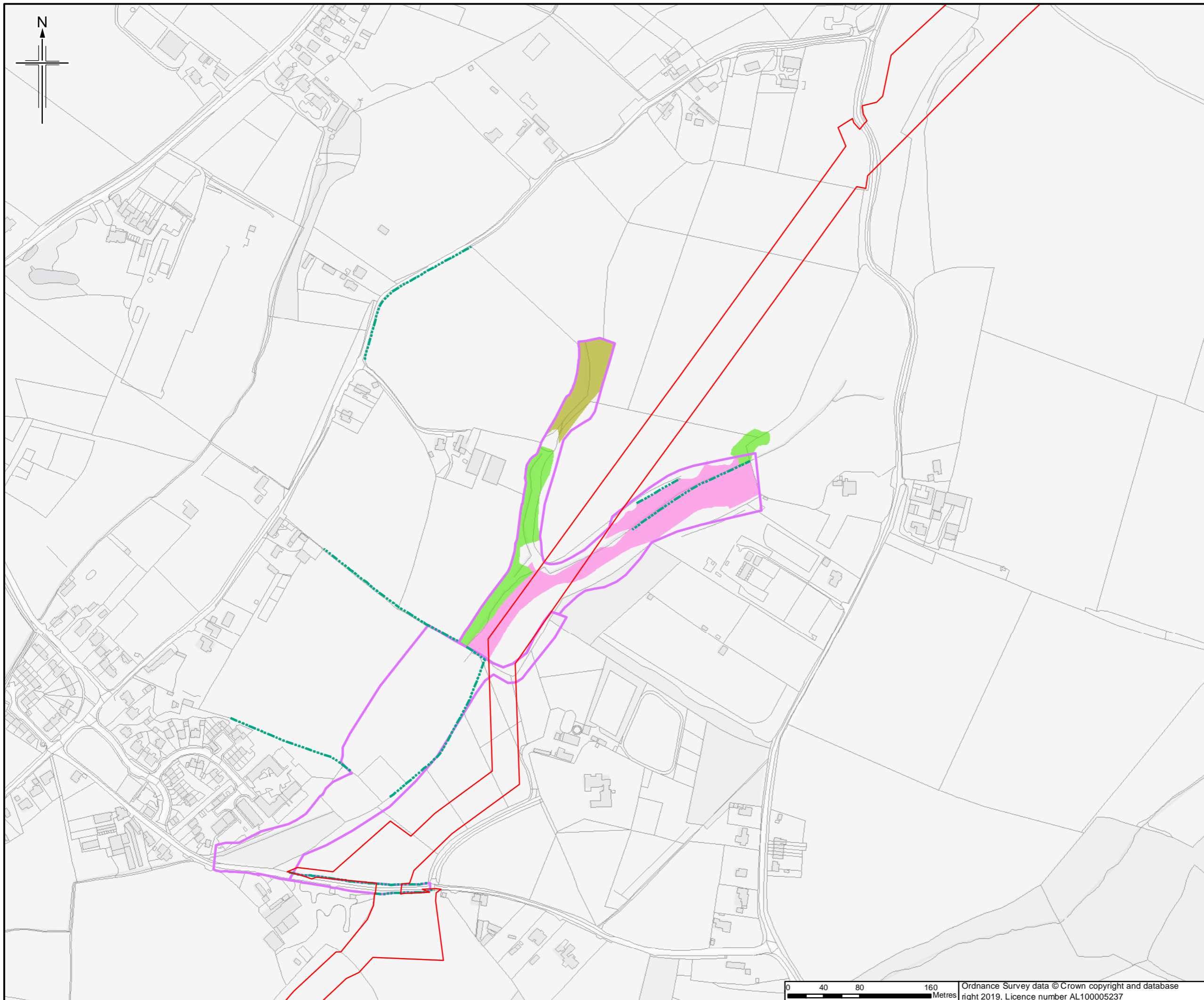
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 DURLEY GREEN LANE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
Project/Draw No.	B2325300-JAC-000-ENV-DRG-001356	
Drawing number	Figure A7.1.21 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Mixed Deciduous Woodland
 - Purple Moor-grass and Rush Pastures
 - Wet Woodland
 - Hedgerows

Sheet displays part of Section A

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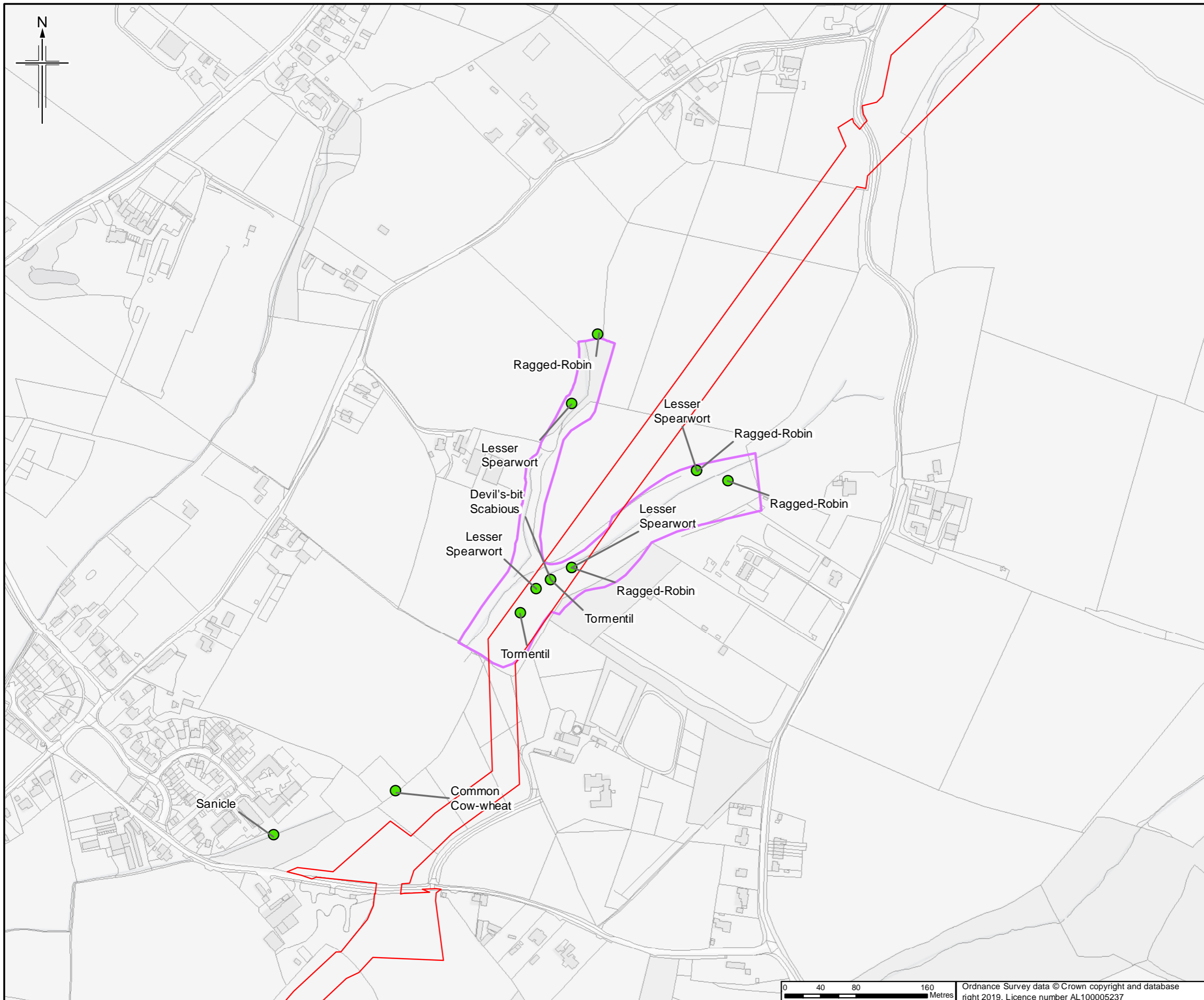
Project

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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF DURLEY GREEN LANE
 APFP Reg. (2009) 5(2)(l)

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Drawing number	Figure A7.1.22 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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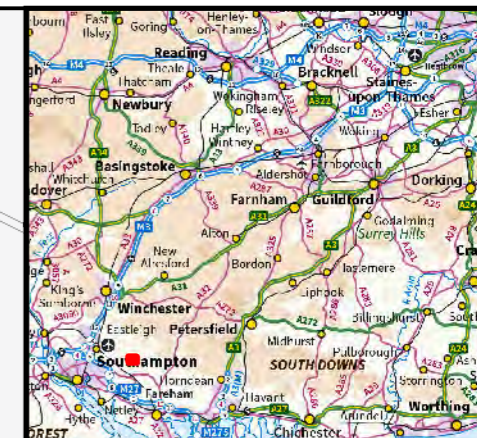
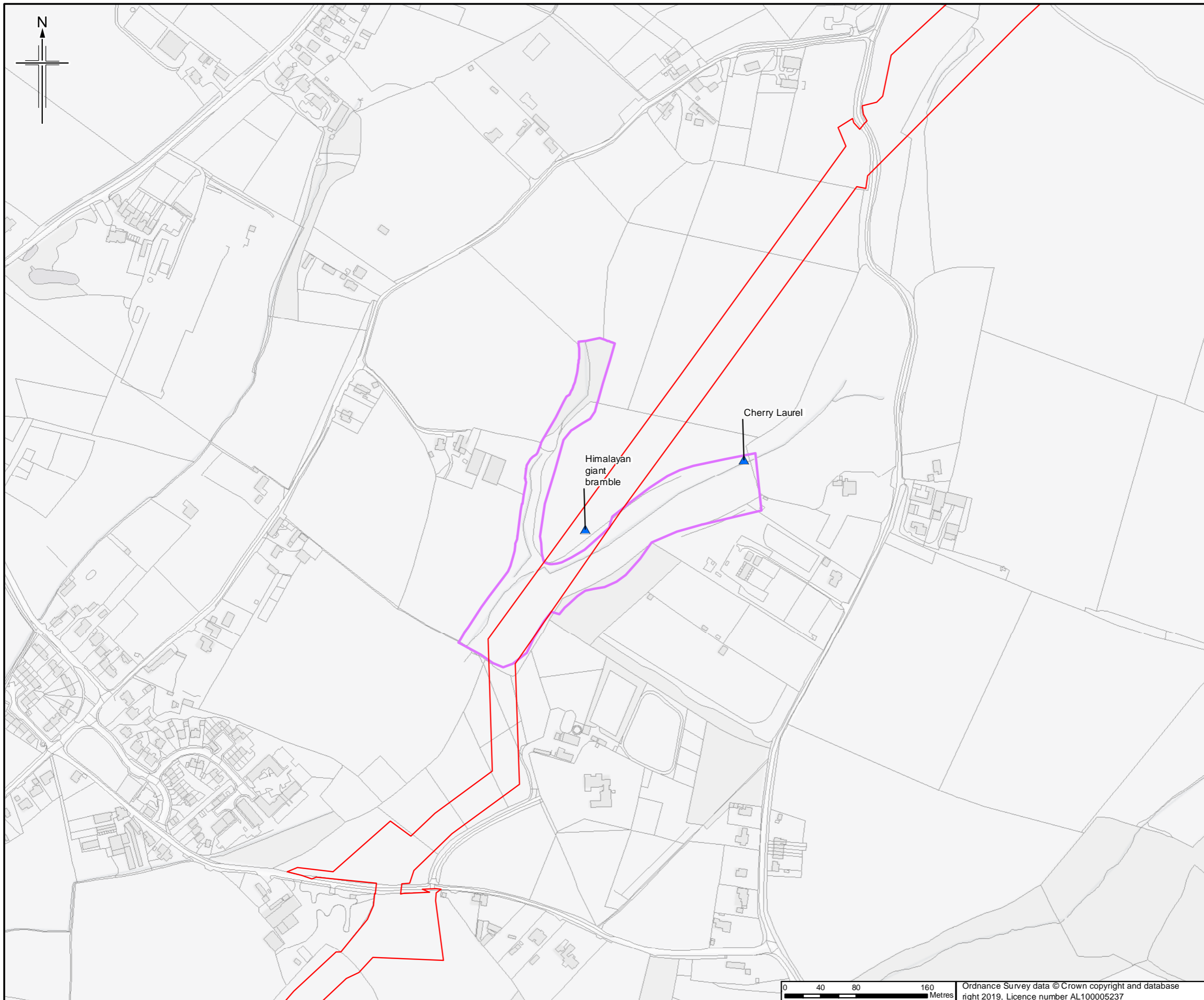
Project

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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF DURLEY GREEN LANE**

APFP Reg. (2009) 5(2)(l)

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Drawing number	Figure A7.1.23 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

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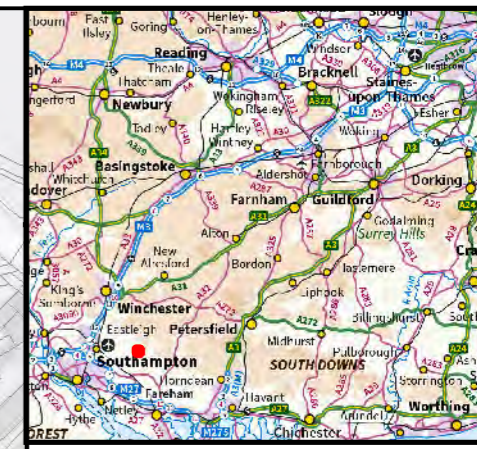
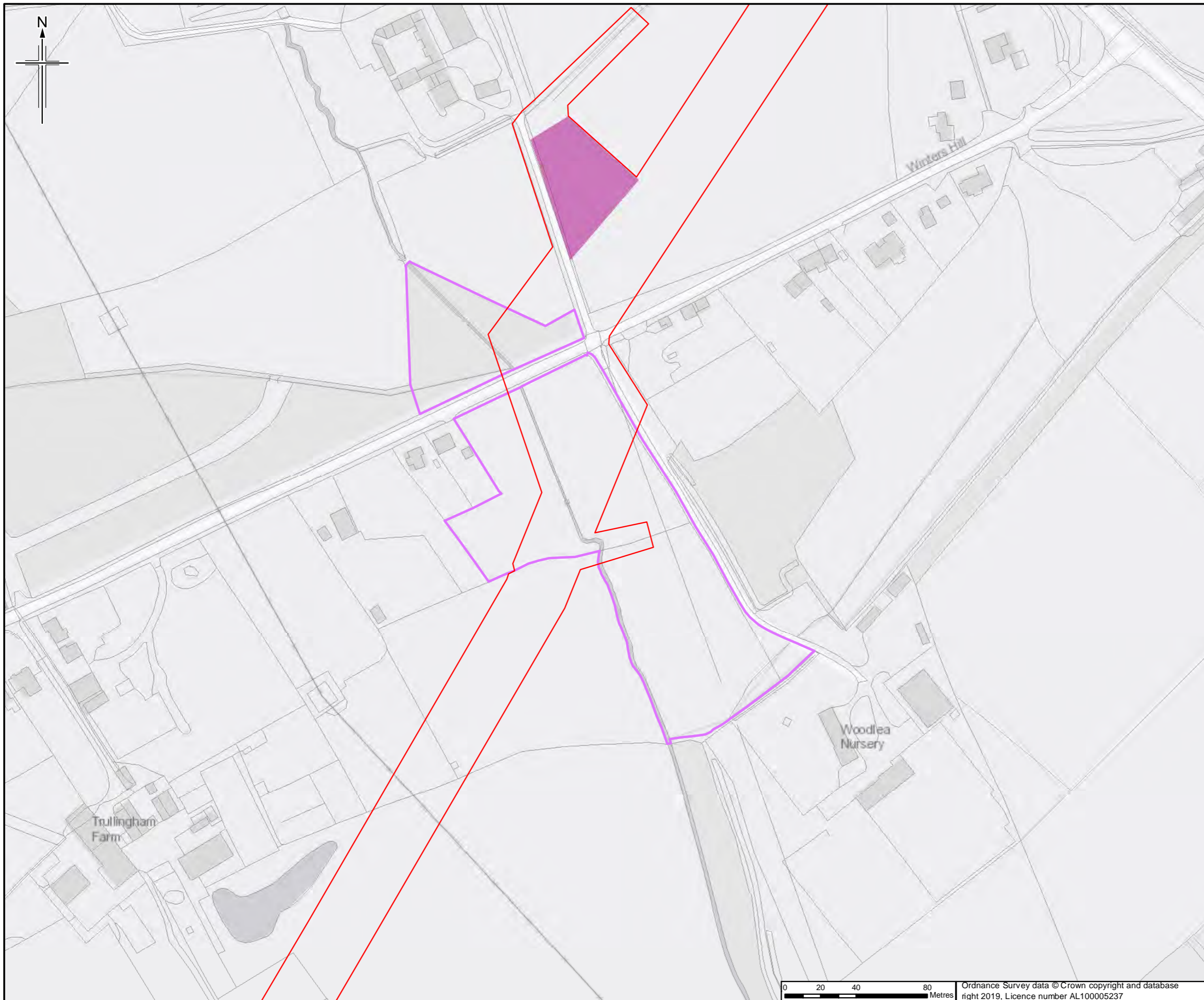
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Project

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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF DURLEY GREEN LANE APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Project/Draw No.	B2325300-JAC-000-ENV-DRG-001360	
Drawing number	Figure A7.1.24 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - Survey site boundary

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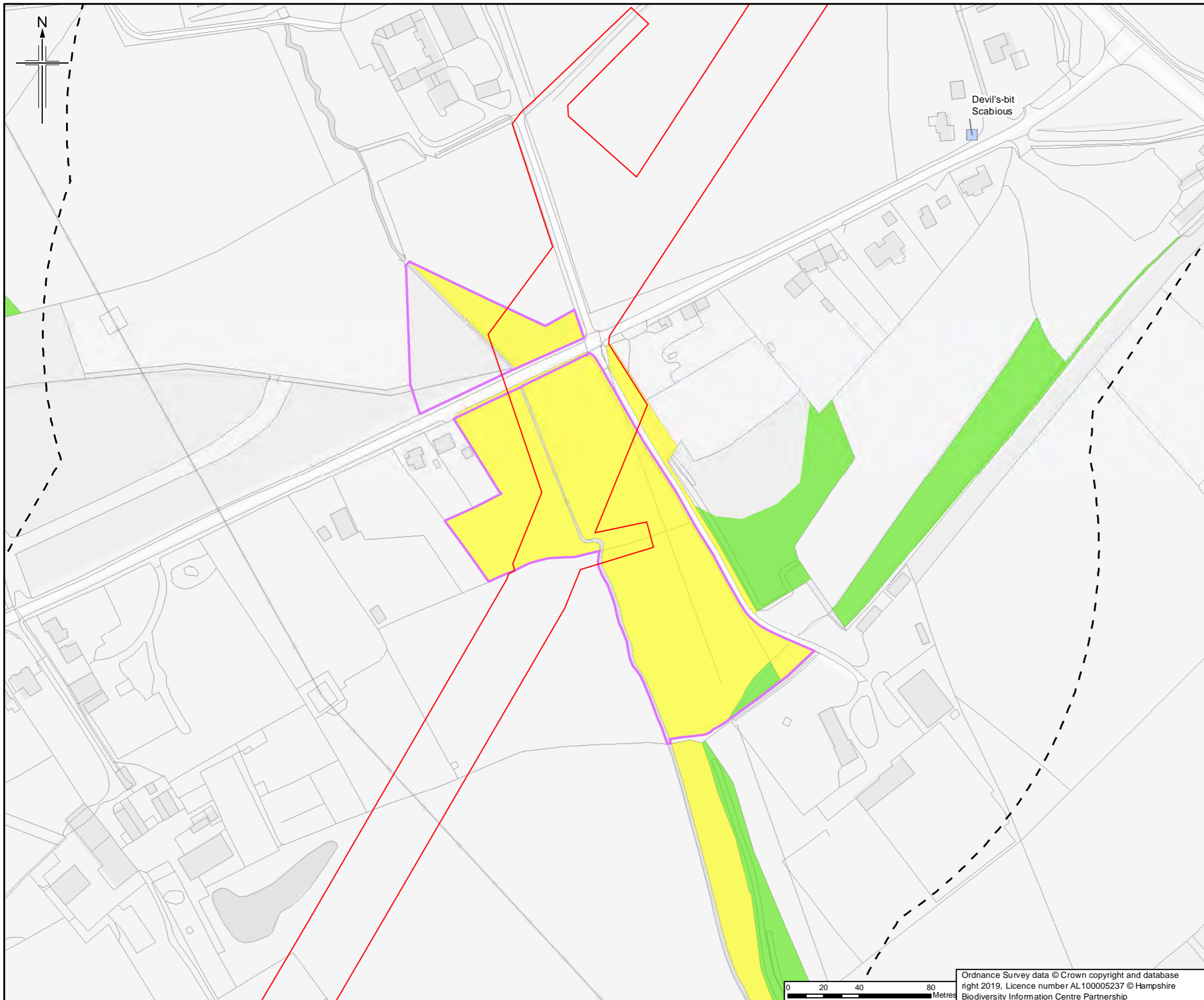
Project

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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 WINTERSHILL
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001363	
Drawing number	Figure A7.1.25 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Mixed Deciduous Woodland

Sheet displays part of Section A

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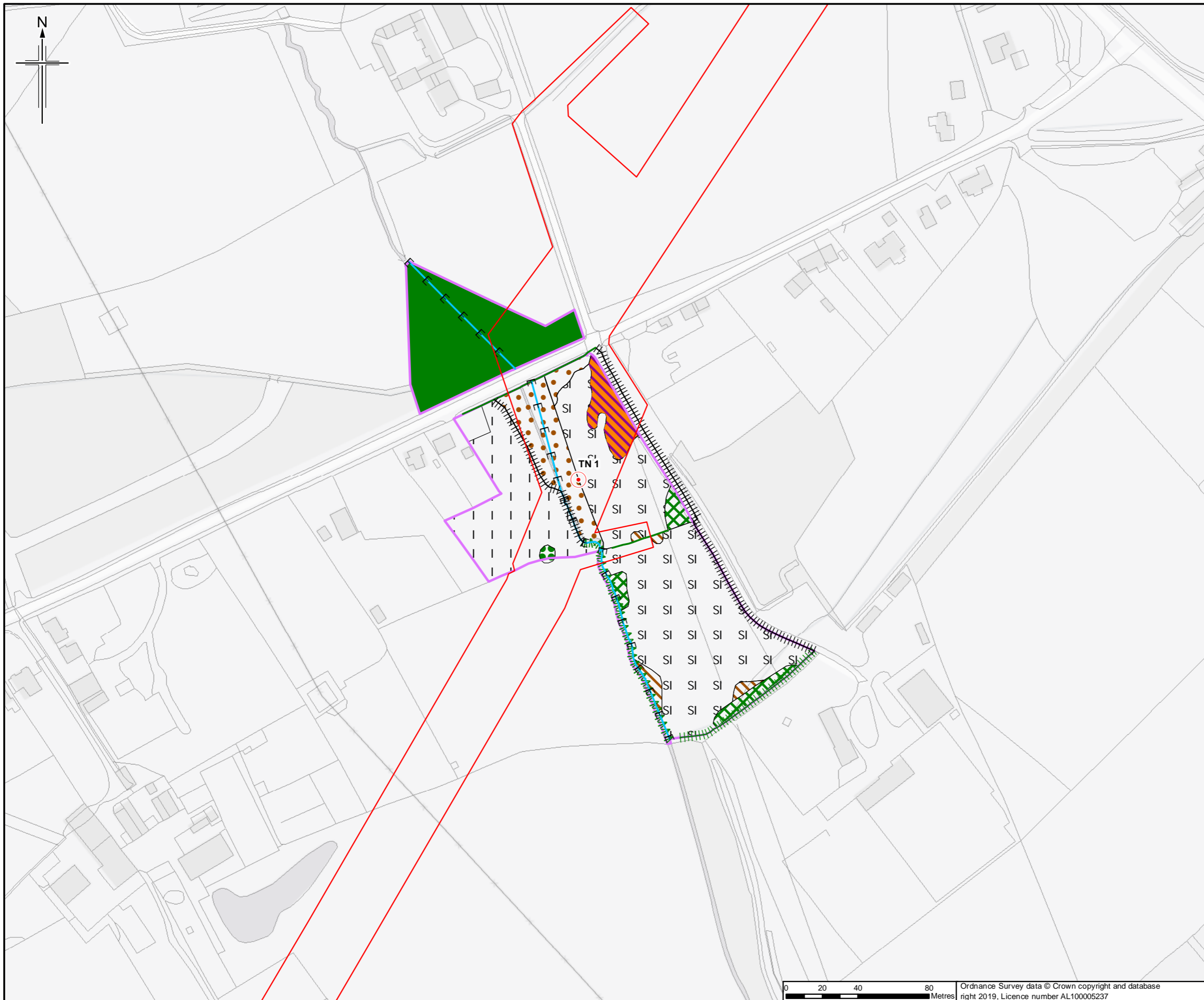
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APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
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Drawing number	Figure A7.1.26 Sheet 1 of 1
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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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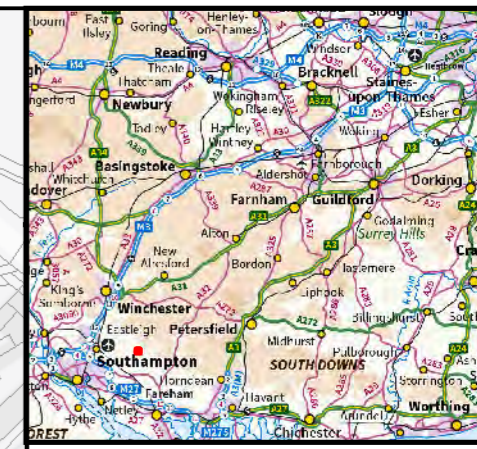
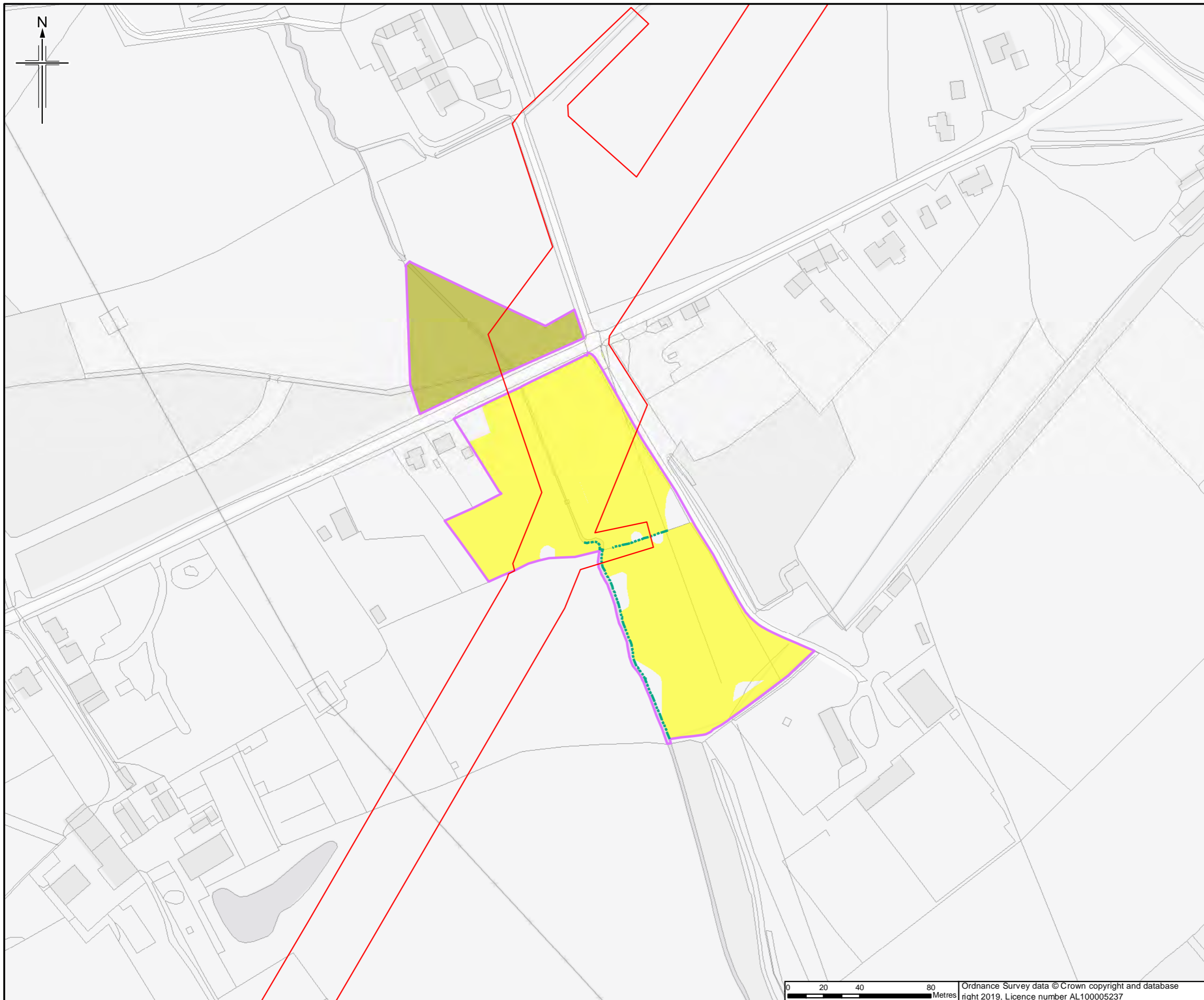
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF WINTERSHILL
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.27 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Coastal and Floodplain
 - Grazing Marsh
 - Wet Woodland
 - Hedgerows

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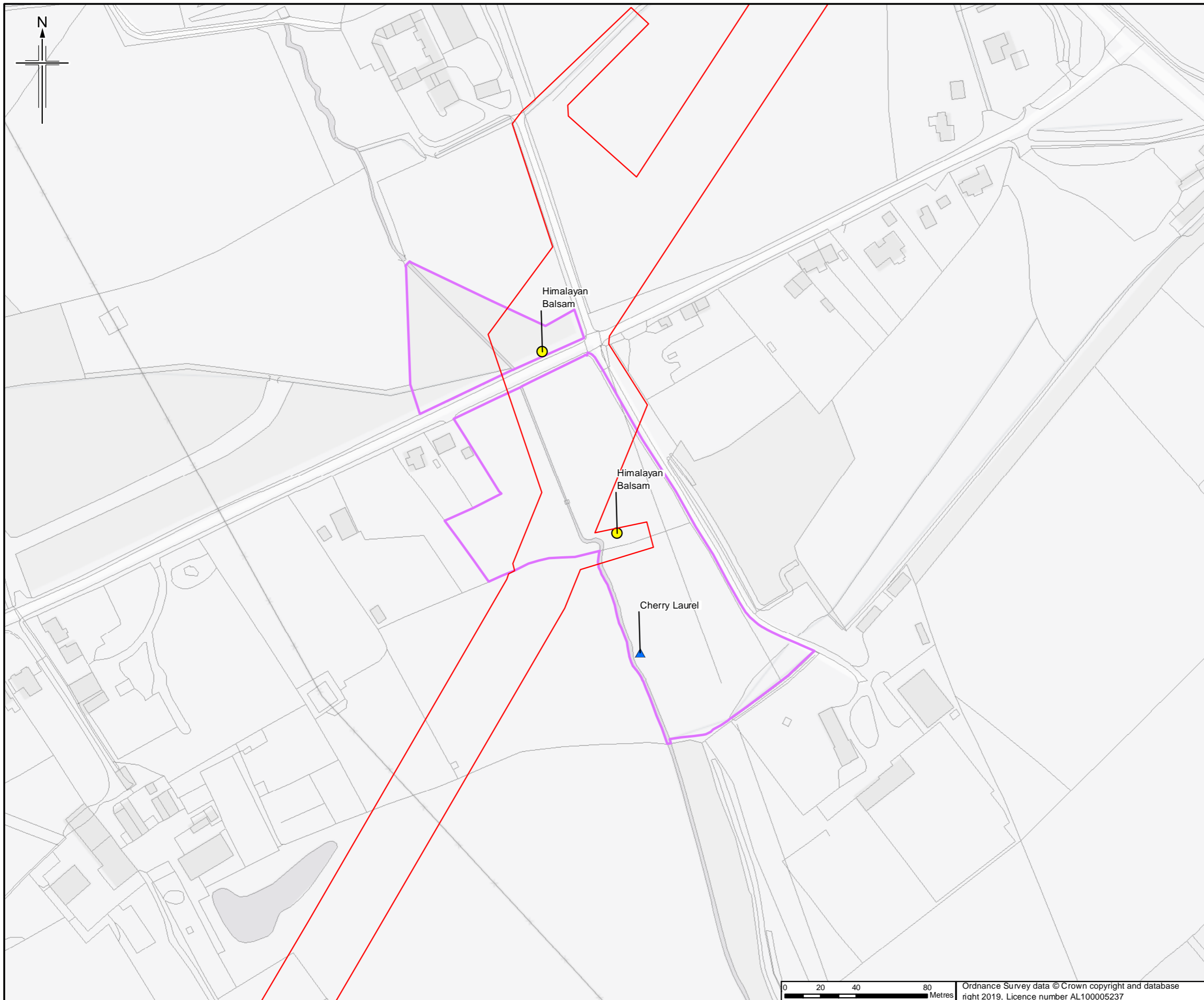
Project

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APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF WINTERSHILL
 APPF Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Drawing number	Figure A7.1.28 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

Himalayan Balsam

Himalayan Balsam

Cherry Laurel

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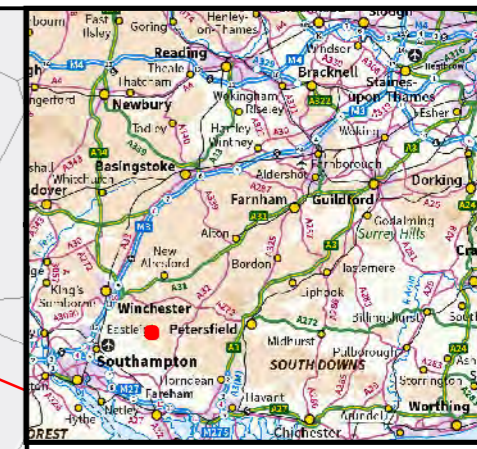
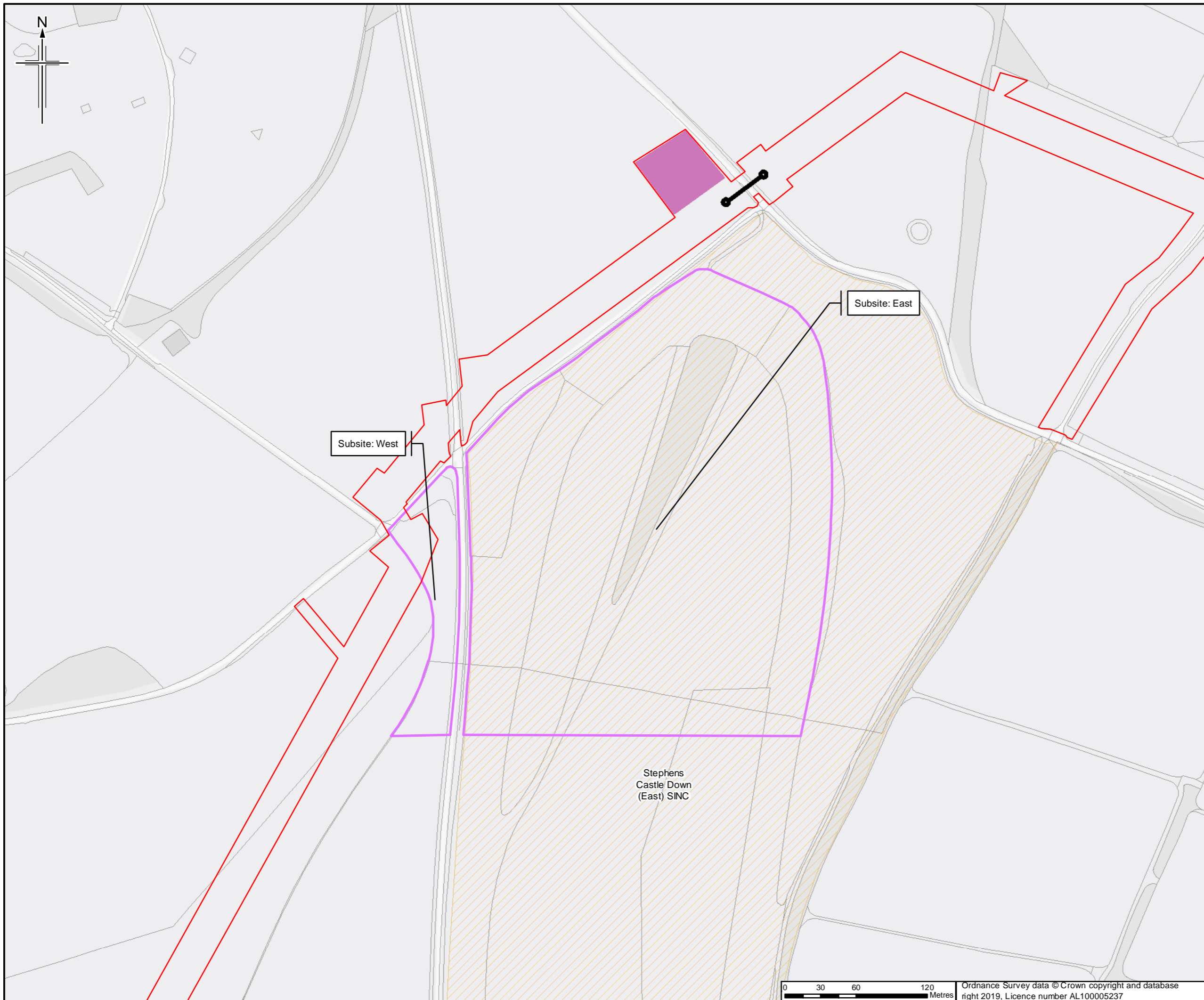
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF WINTERSHILL
 APFP Reg. (2009) 5(2)(l)**

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- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SINC/SNCI
 - Survey site boundary

Subsite: West

Subsite: East

Stephens
Castle Down
(East) SINC

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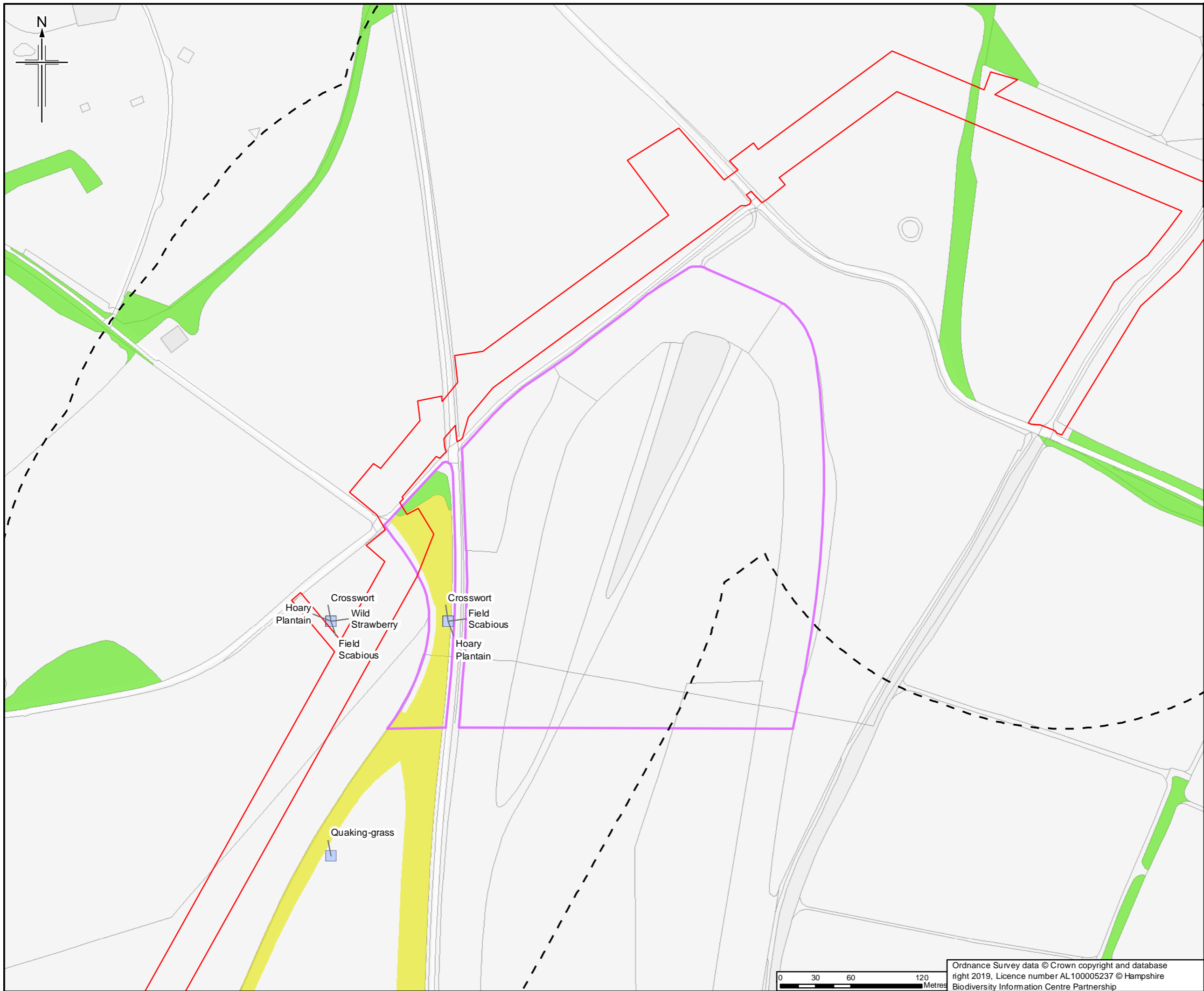
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 STEPHEN'S CASTLE DOWN
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.30 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Meadows
 - Lowland Mixed Deciduous Woodland

Hoary Plantain
 Crosswort
 Wild Strawberry
 Field Scabious
 Crosswort
 Field Scabious
 Hoary Plantain

Quaking-grass

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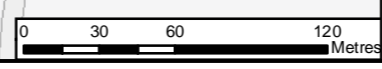
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Drawing title APPENDIX 7.1 HABITATS AND BOTANY REPORT
 BACKGROUND HABITAT AND BOTANICAL RECORDS FOR STEPHEN'S CASTLE DOWN

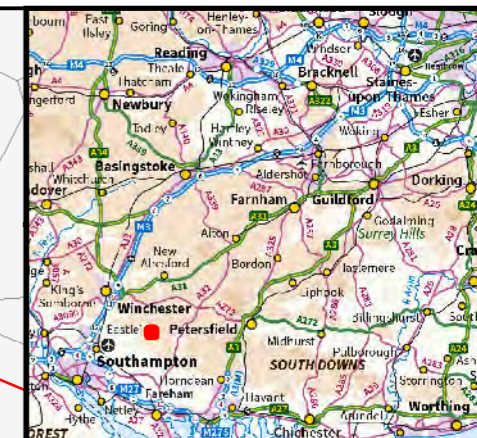
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Drawing number	Figure A7.1.31 Sheet 1 of 1
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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

Sheet displays part of Section A

Rev	Rev. Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
0	20/4/2019	For Issue	JH	NS	DM	SH

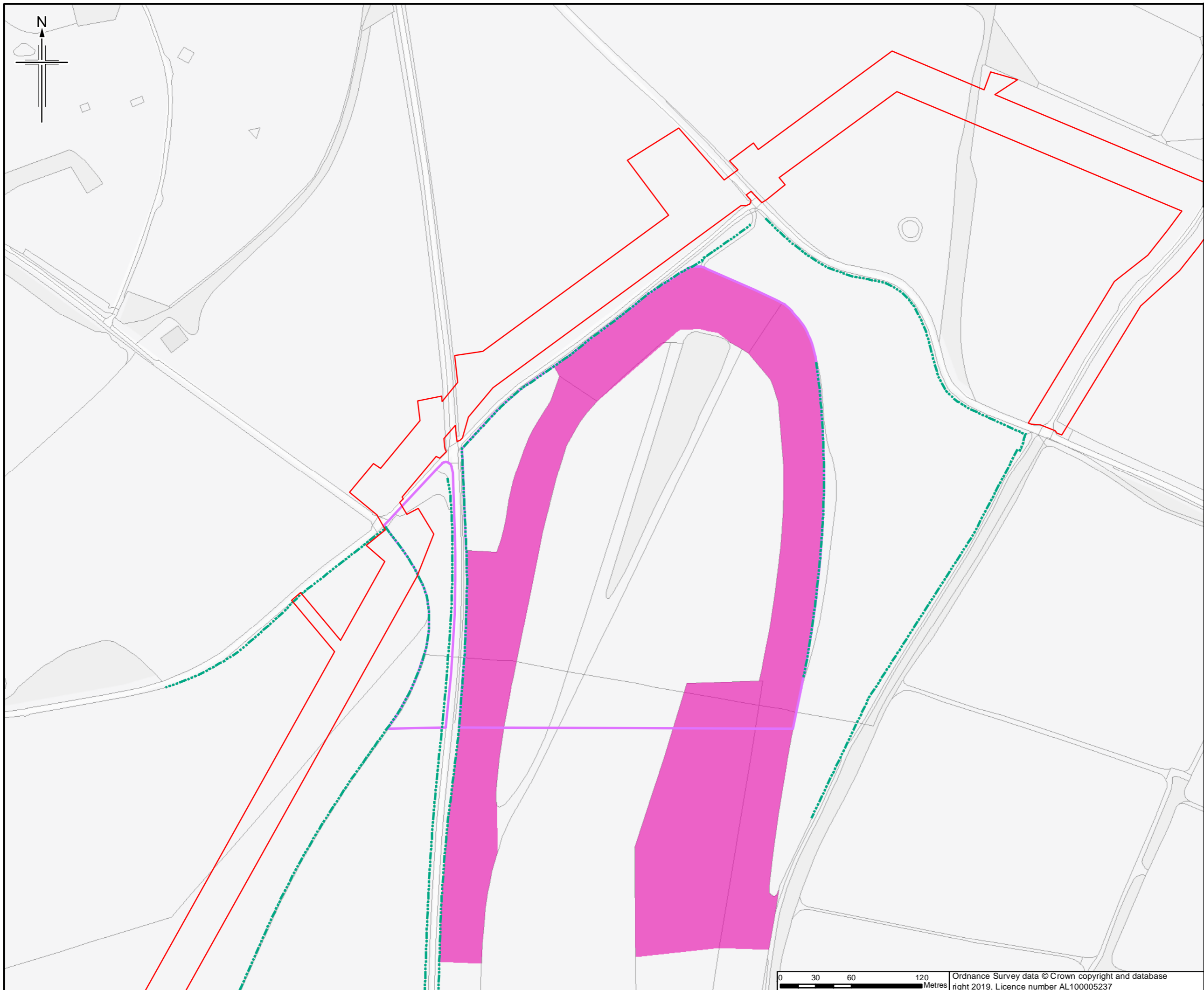
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 STEPHEN'S CASTLE DOWN
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
Scale	1:3,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001368	
Drawing number	Figure A7.1.32 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Calcareous Grassland
 - Hedgerows

Sheet displays part of Section A

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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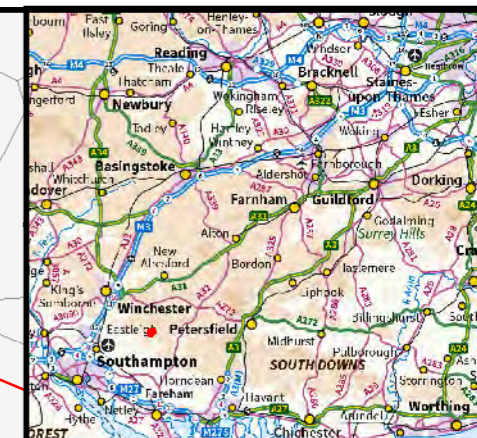
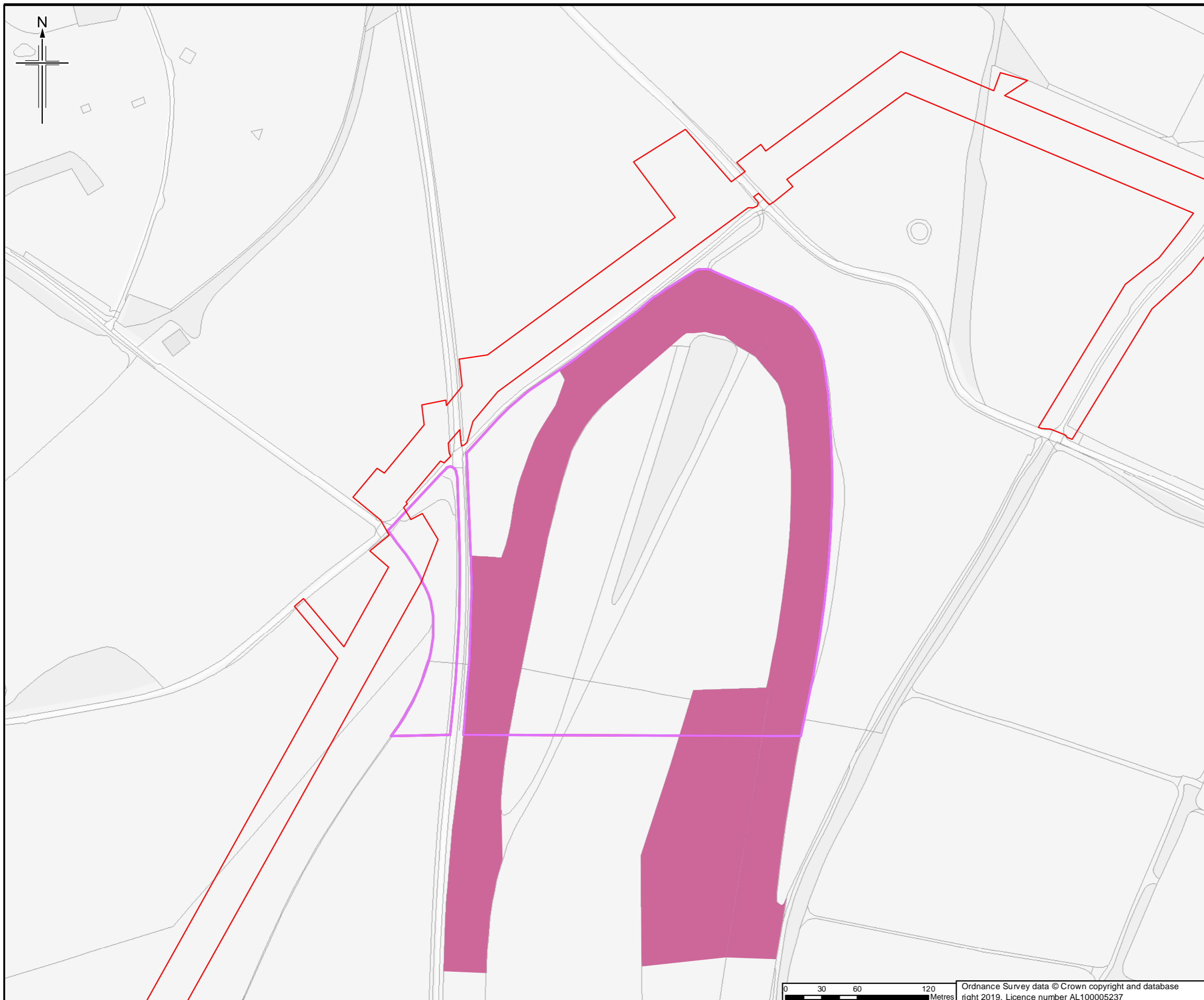
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Project

Southampton to London Pipeline Project

Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 STEPHEN'S CASTLE DOWN
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:3,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001369	
Drawing number	Figure A7.1.33 Sheet 1 of 1	Rev 0



Legend

- Order Limits
- Survey site boundary

Annex I habitat

H6210 Semi-natural dry grasslands and scrubland
facies: on calcareous substrates (*Festuco-Brometalia*)

Sheet displays part of Section A

Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	14/03/2019	For Issue	JH	NS	DM	SH

Author

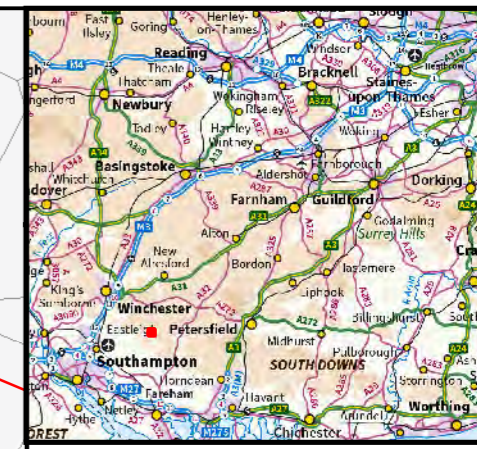
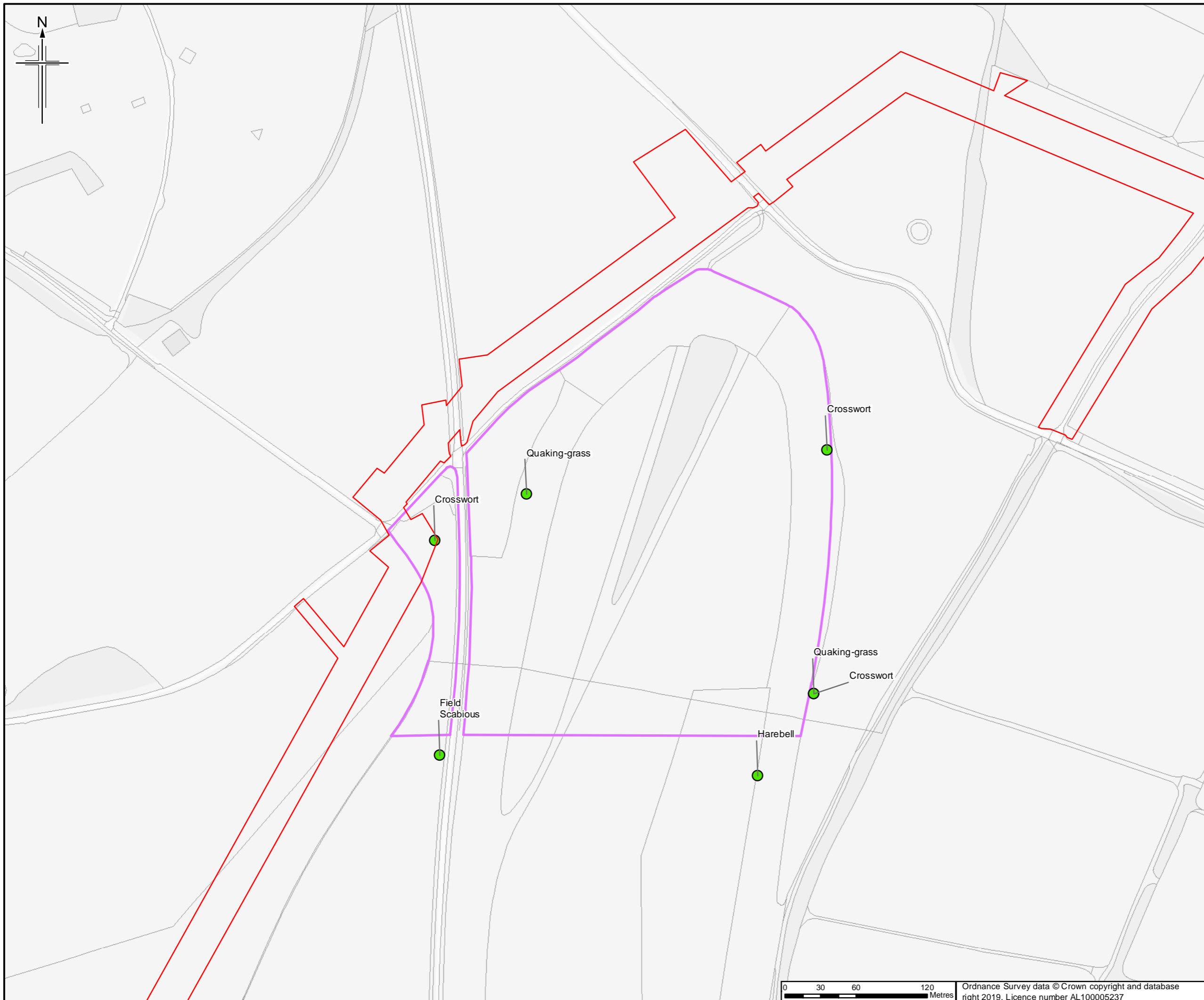
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 ANNEX I HABITAT PLAN OF
 STEPHEN'S CASTLE DOWN
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001371	
Drawing number	Figure A7.1.34 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

Sheet displays part of Section A

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Appr'd
0	10/4/2019	For Issue		JH	NS	DM SH

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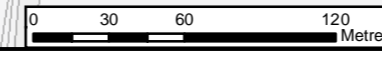
Project

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Drawing title
APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF STEPHEN'S CASTLE DOWN

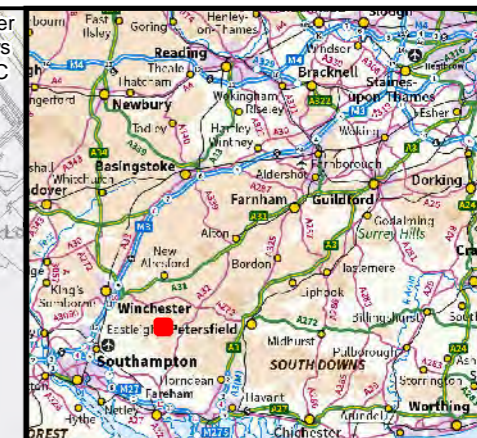
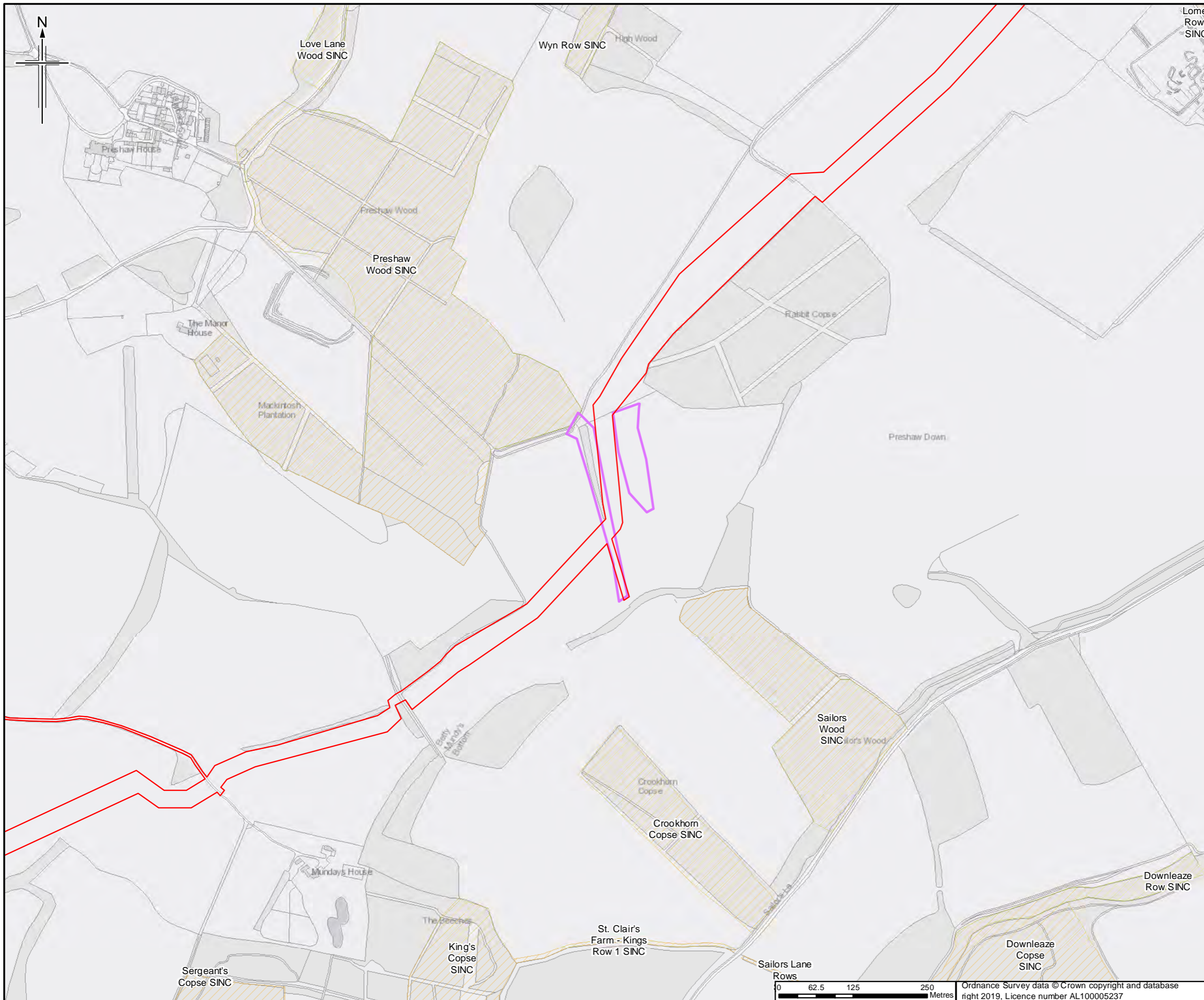
APFP Reg. (2009) 5(2)(l)

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Drawing number	Figure A7.1.35 Sheet 1 of 1	Rev 0



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Legend

- Order Limits
- SINC/SNCI
- Survey site boundary

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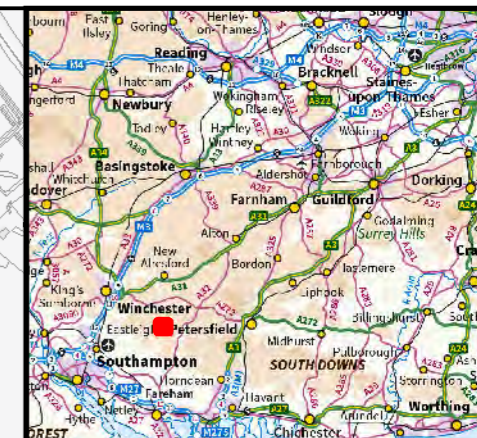
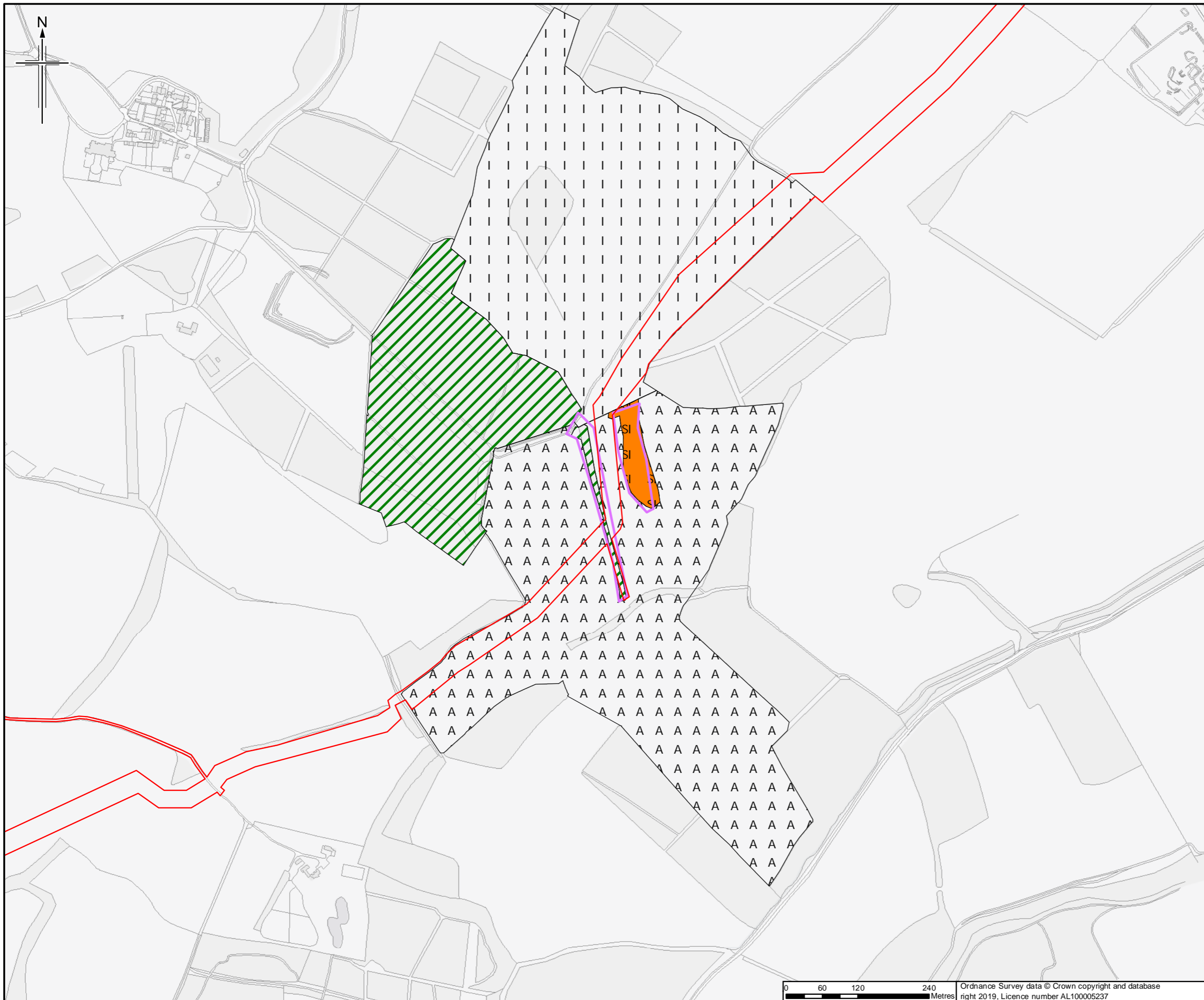
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 BETTY MUNDY'S BOTTOM
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue
Scale	1:6,000 @ A3 DO NOT SCALE
Jacobs No.	B2325300
Project/Work No.	B2325300-JAC-000-ENV-DRG-001374
Drawing number	Figure A7.1.36 Sheet 1 of 1
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0 62.5 125 250 Metres
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Legend
 [Red line] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

Sheet displays part of Section A

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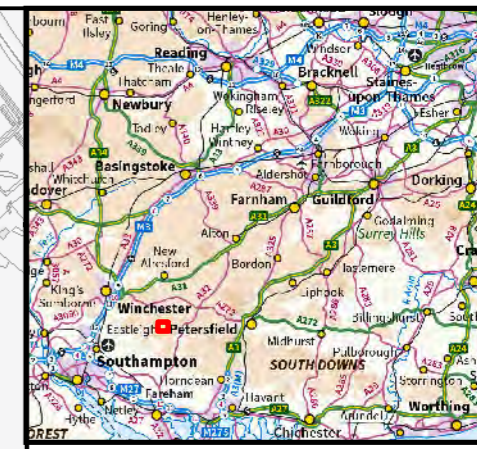
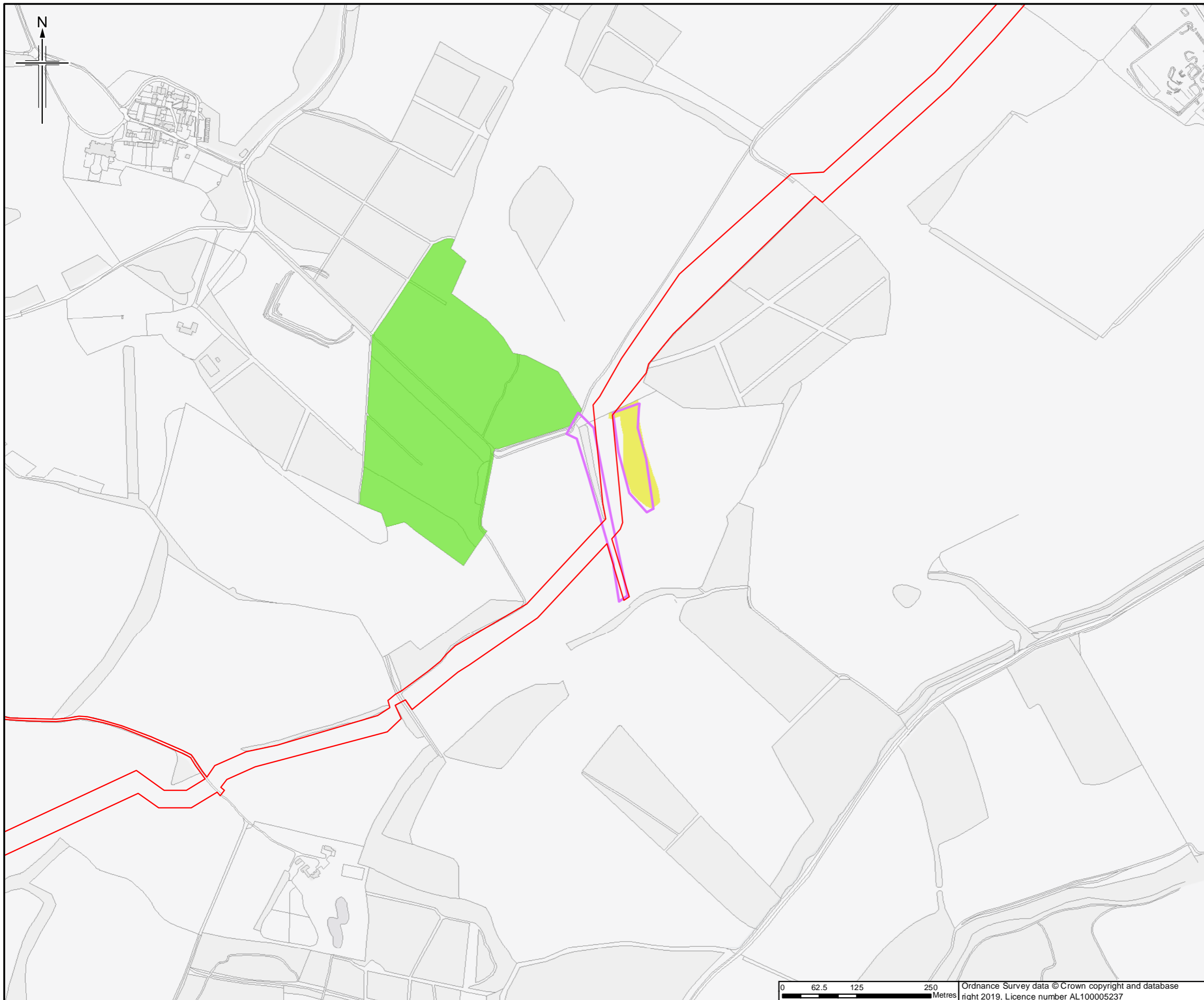
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF BETTY MUNDY'S BOTTOM
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001377	
Drawing number	Figure A7.1.37 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Meadows
 - Lowland Mixed Deciduous Woodland

Sheet displays part of Section A

Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	4/04/2019	For Issue		JH	NS	DM SH

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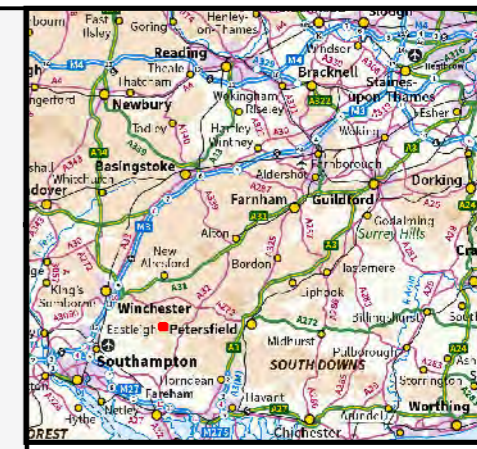
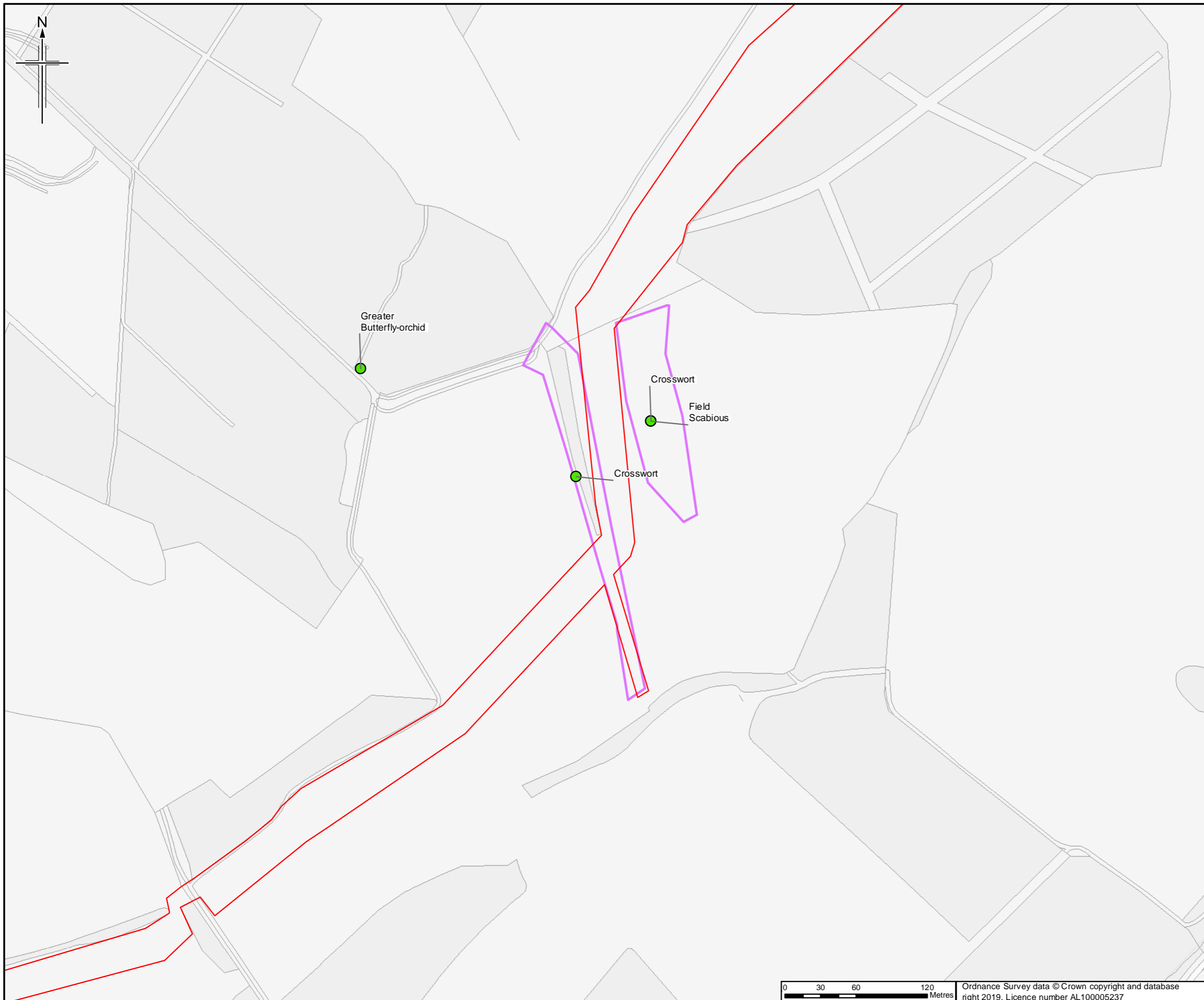
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Drawing title

**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF BETTY MUNDY'S BOTTOM
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.38 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

Greater Butterfly-orchid

Crosswort
Field Scabious

Crosswort

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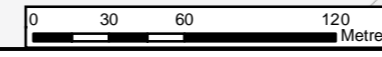
Project
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF BETTY MUNDY'S BOTTOM

APFP Reg. (2009) 5(2)(l)
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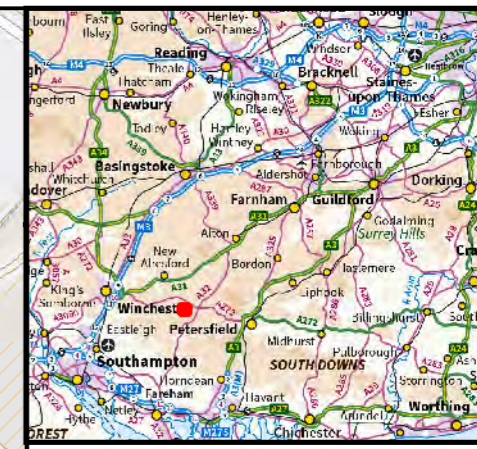
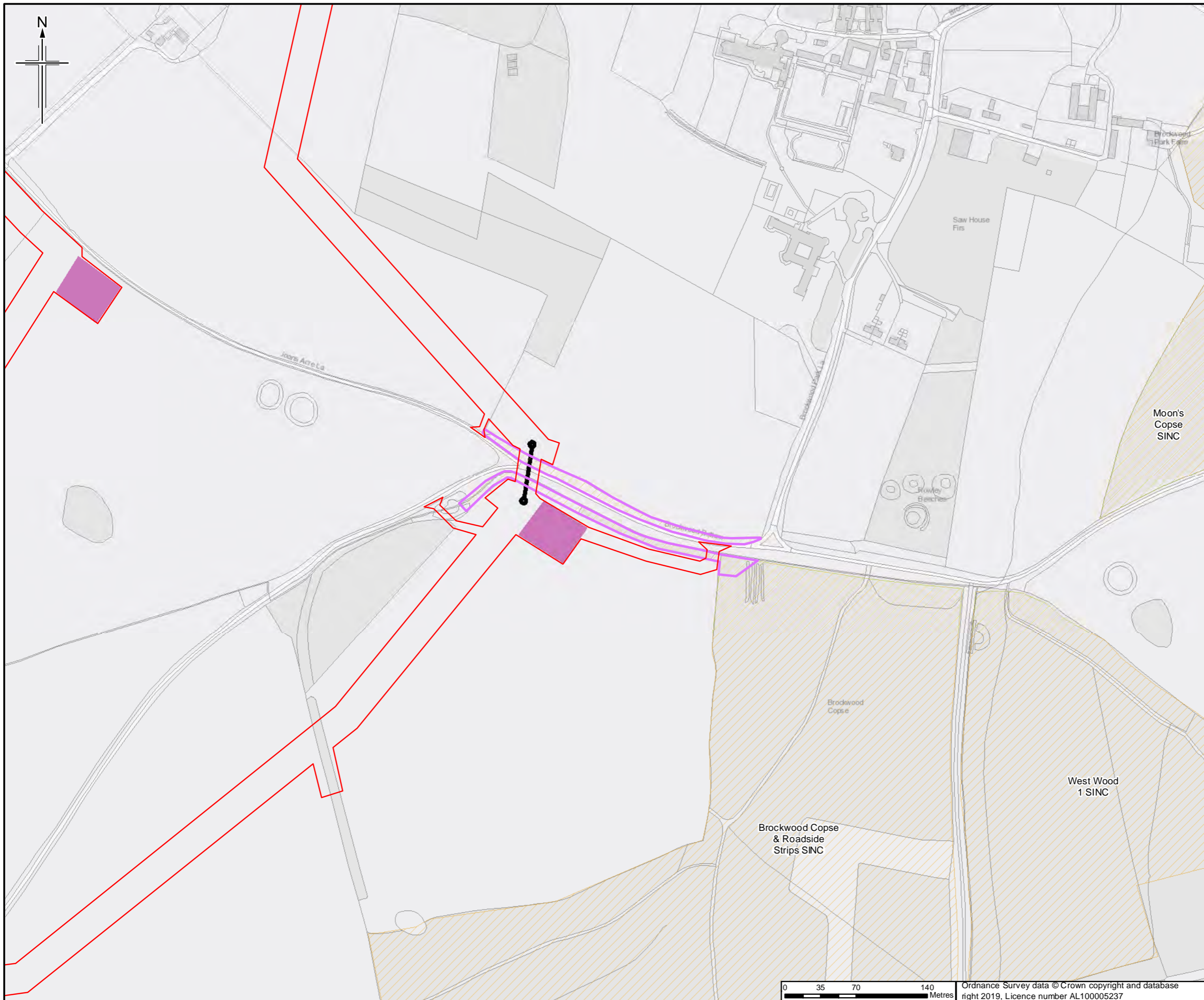
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001379	

Drawing number	Figure A7.1.39 Sheet 1 of 1	Rev 0
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- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SINC/SNCI
 - Survey site boundary

Sheet displays part of Section A

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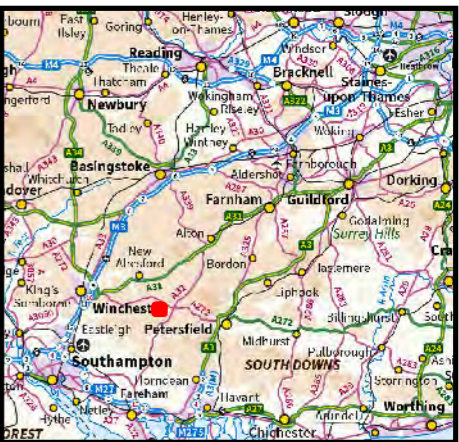
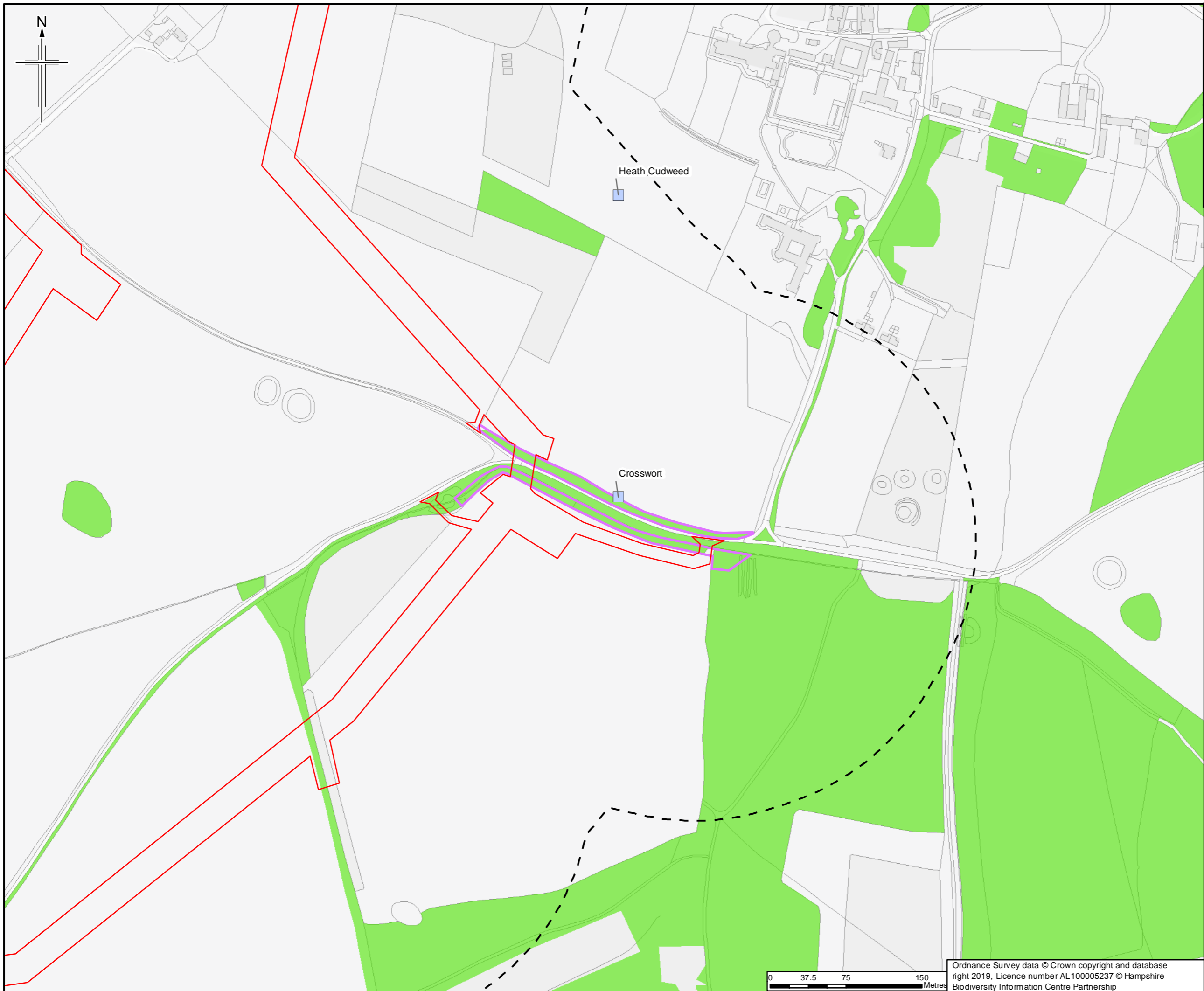
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 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 SITE PLAN OF
 BROCKWOOD ROADSIDE STRIPS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:3,500 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001382	
Drawing number	Figure A7.1.40 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

Sheet displays part of Section A

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0	14/03/2019	For Issue		JH	NS	DM SH

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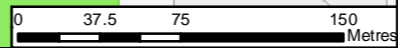
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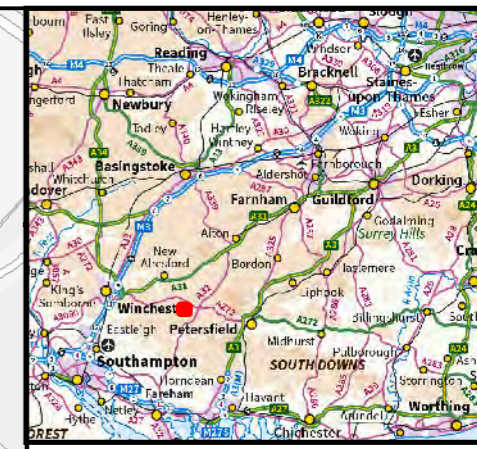
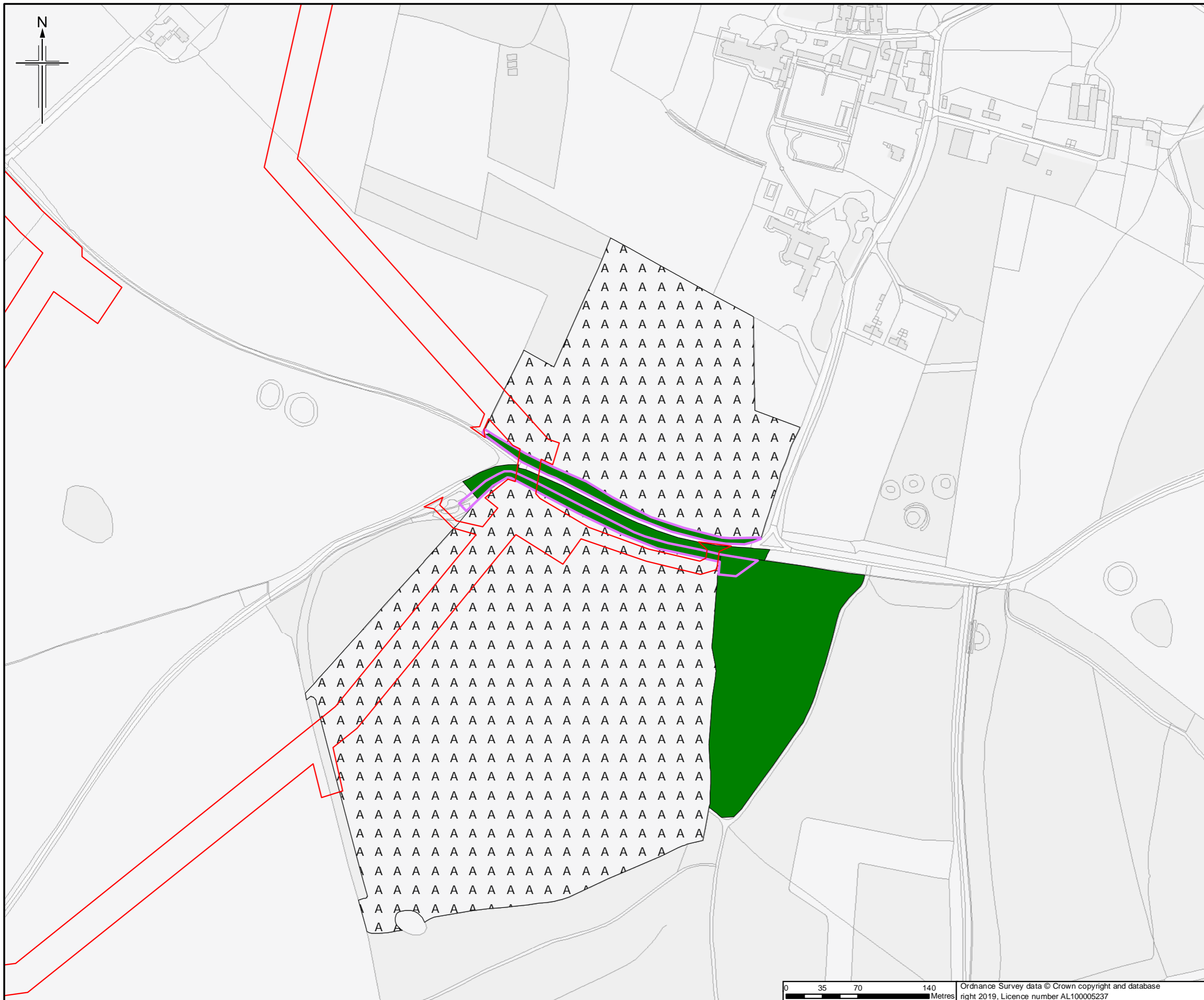
Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT**
BACKGROUND HABITAT AND BOTANICAL RECORDS FOR BROCKWOOD ROADSIDE STRIPS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:3,500 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001380	
Drawing number	Figure A7.1.41 Sheet 1 of 1	Rev 0

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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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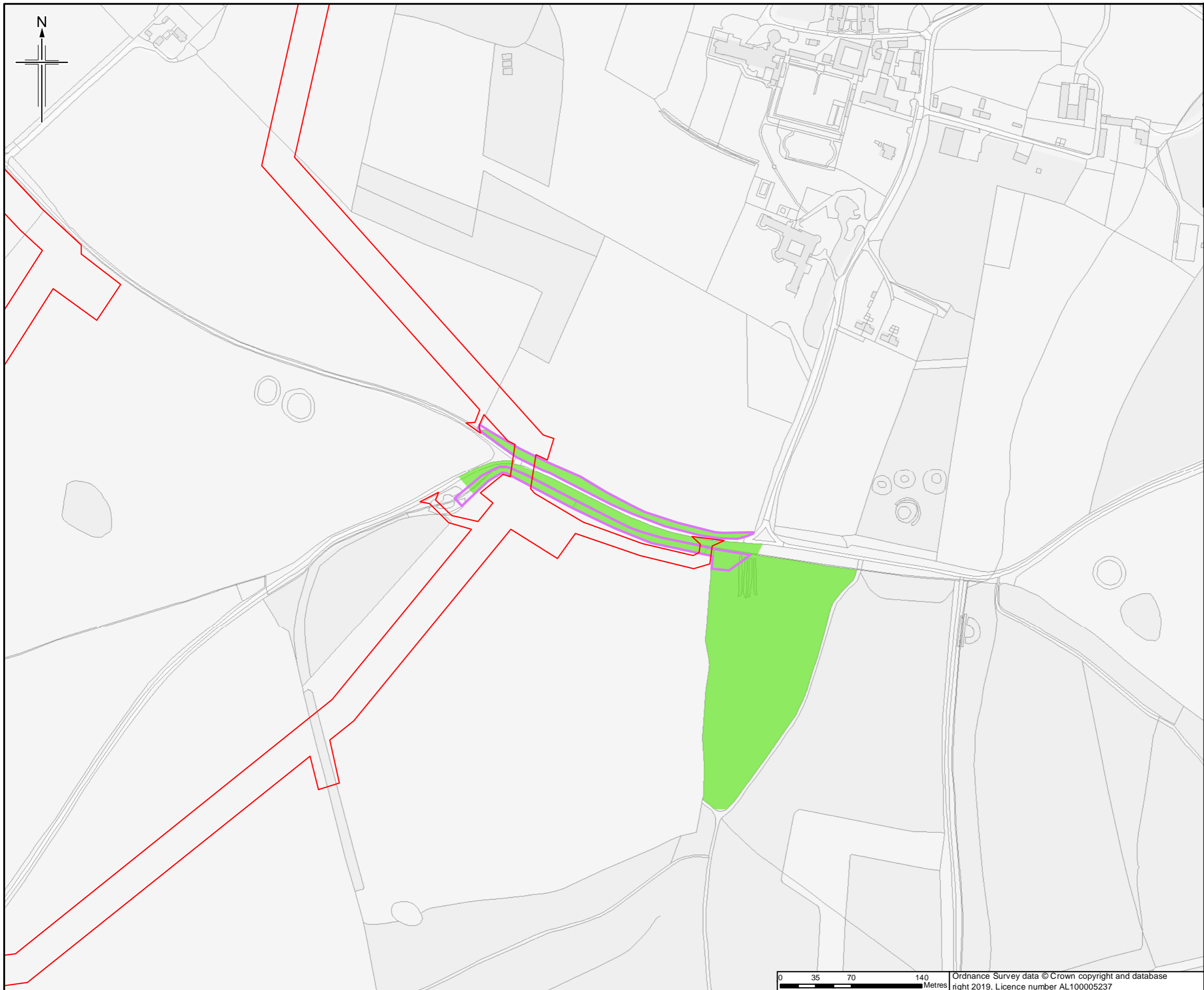


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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 BROCKWOOD ROADSIDE STRIPS
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001381	
Drawing number	Figure A7.1.42 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Mixed Deciduous Woodland

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0	4/04/2019	For Issue	JH	NS	DM	SH

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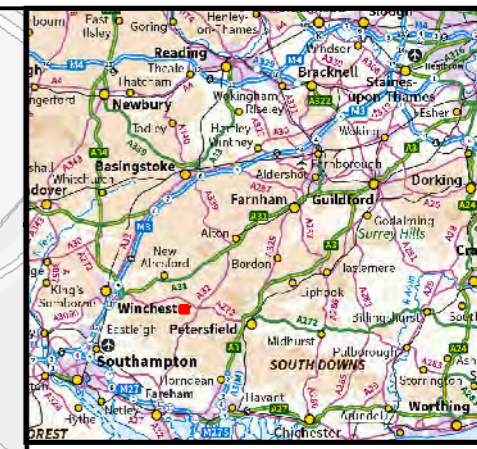
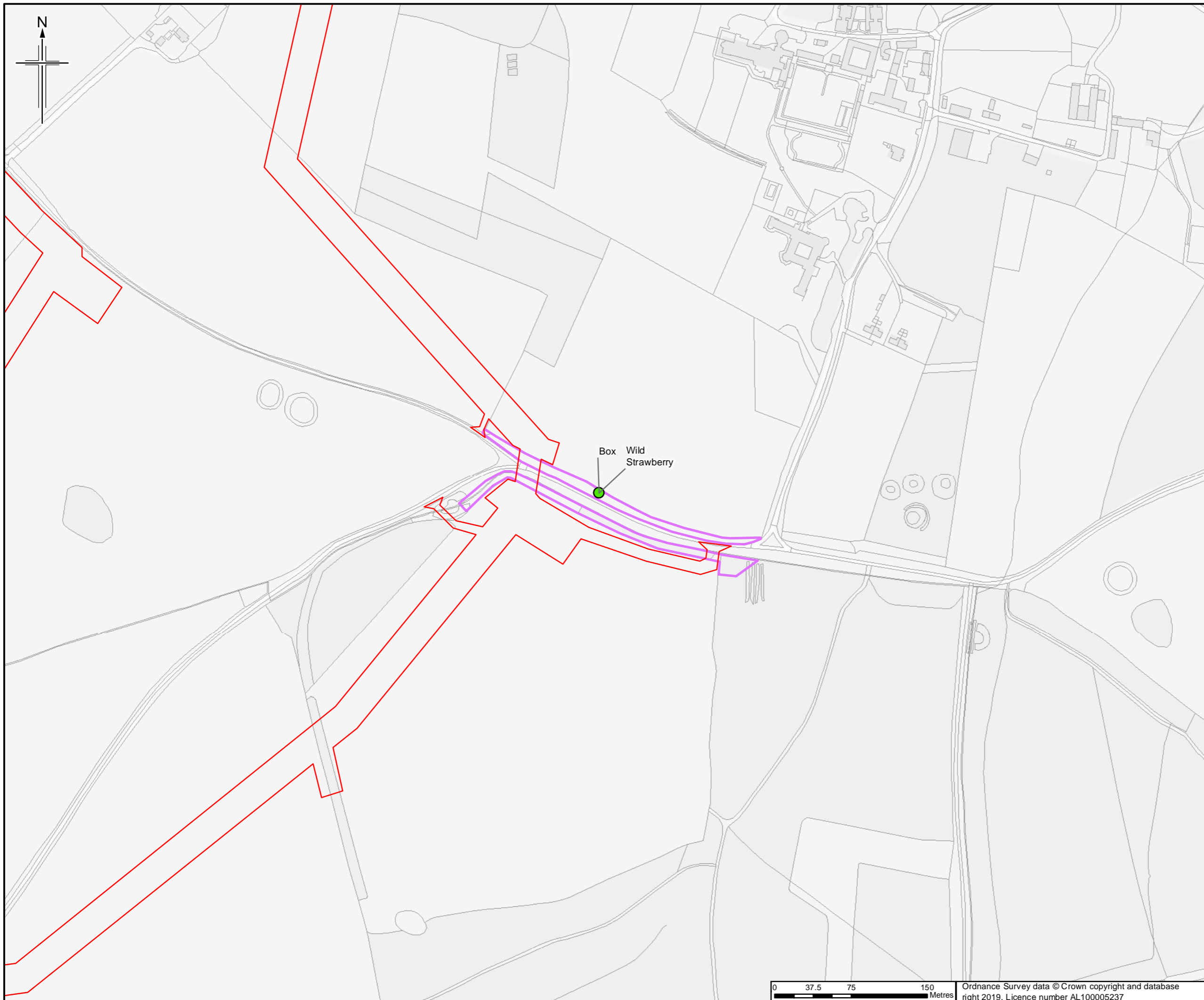
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APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF BROCKWOOD ROADSIDE STRIPS
 APFP Reg. (2009) 5(2)(l)

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Drawing number	Figure A7.1.43 Sheet 1 of 1	Rev 0

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- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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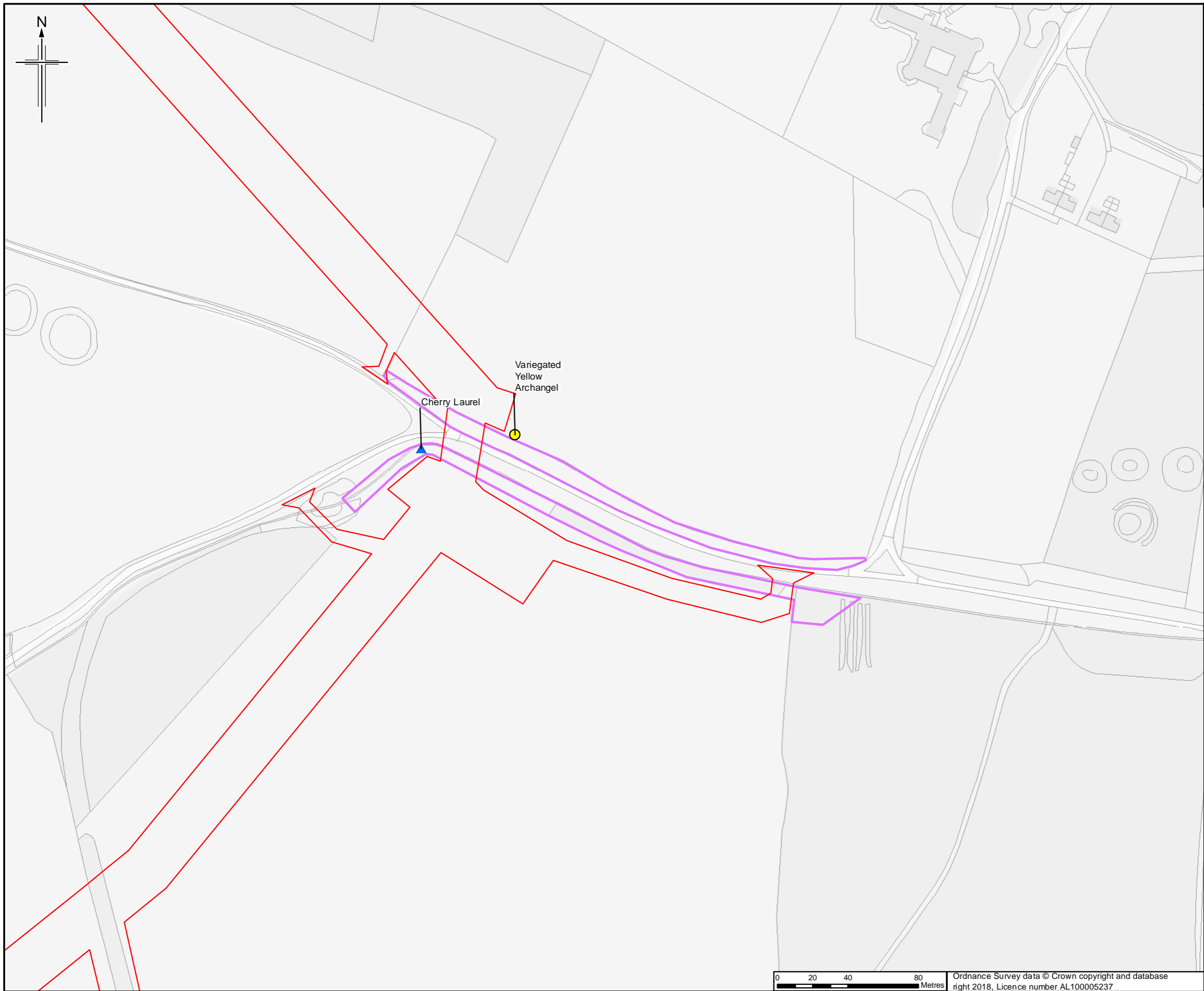
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APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF BROCKWOOD ROADSIDE STRIPS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
Scale	1:3,500 @ A3 DO NOT SCALE
Jacobs No.	B2325300
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001384
Drawing number	Figure A7.1.44 Sheet 1 of 1
Rev	0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

Cherry Laurel

Variegated Yellow Archangel

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0	5/3/2019	For Issue		JH	NS	DM SH

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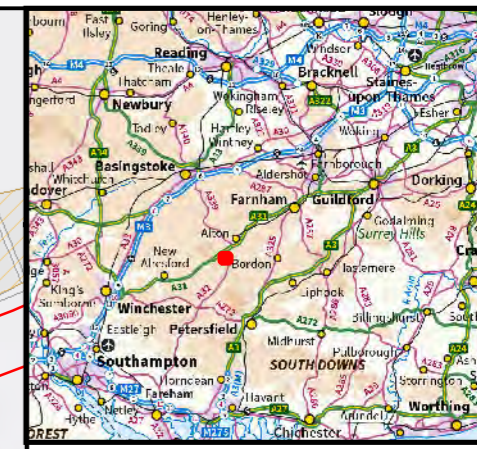
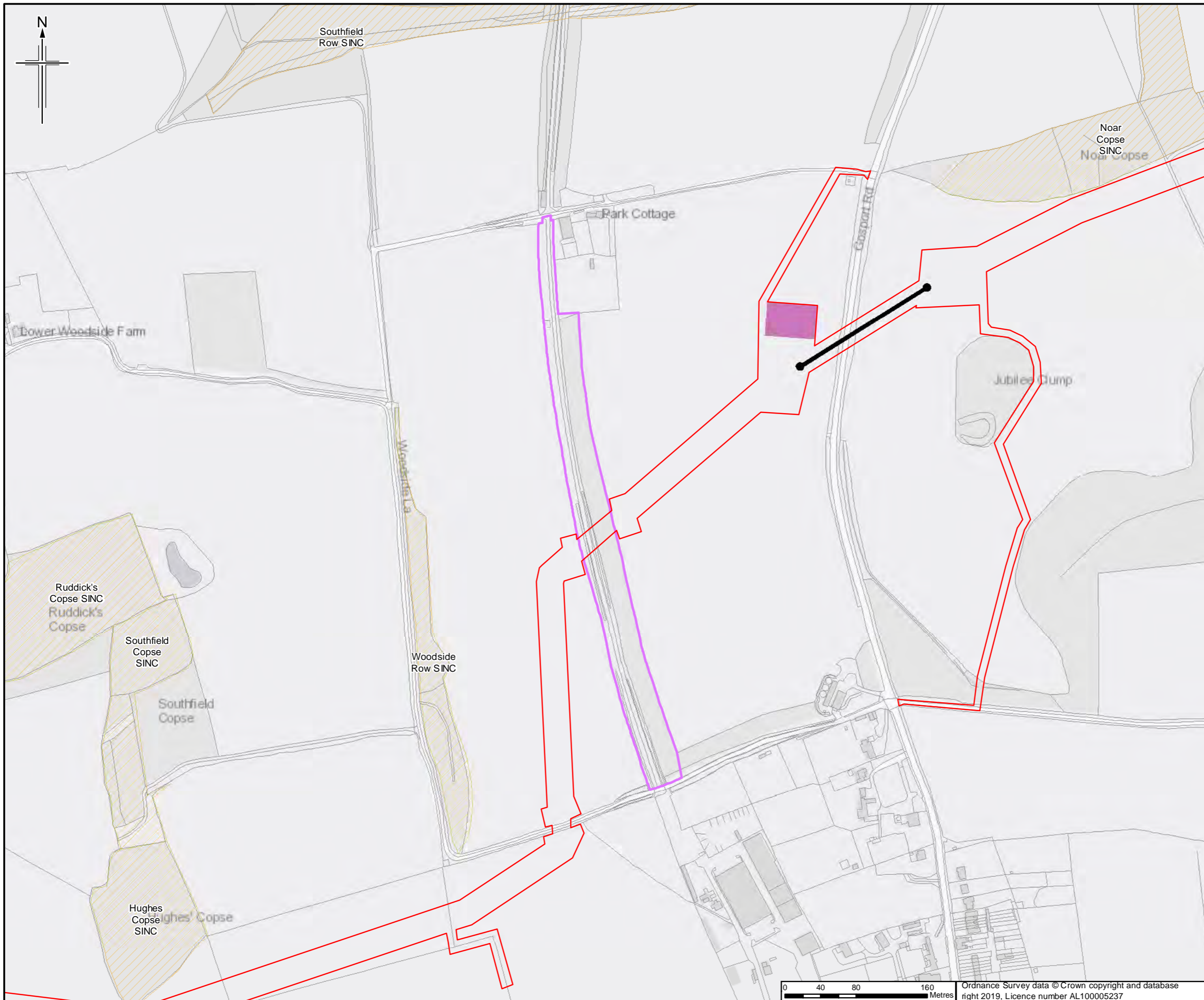
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF BROCKWOOD ROADSIDE STRIPS APFP Reg. (2009) 5(2)(I)

Drawing Status	For Issue
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001392
Drawing number	Figure A7.1.45 Sheet 1 of 1
Rev	0



- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SINC/SNCI
 - Survey site boundary

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0	4/04/2019	For Issue		JH	NS	DM SH

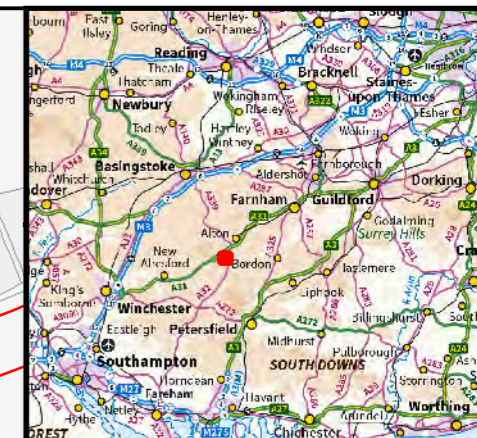
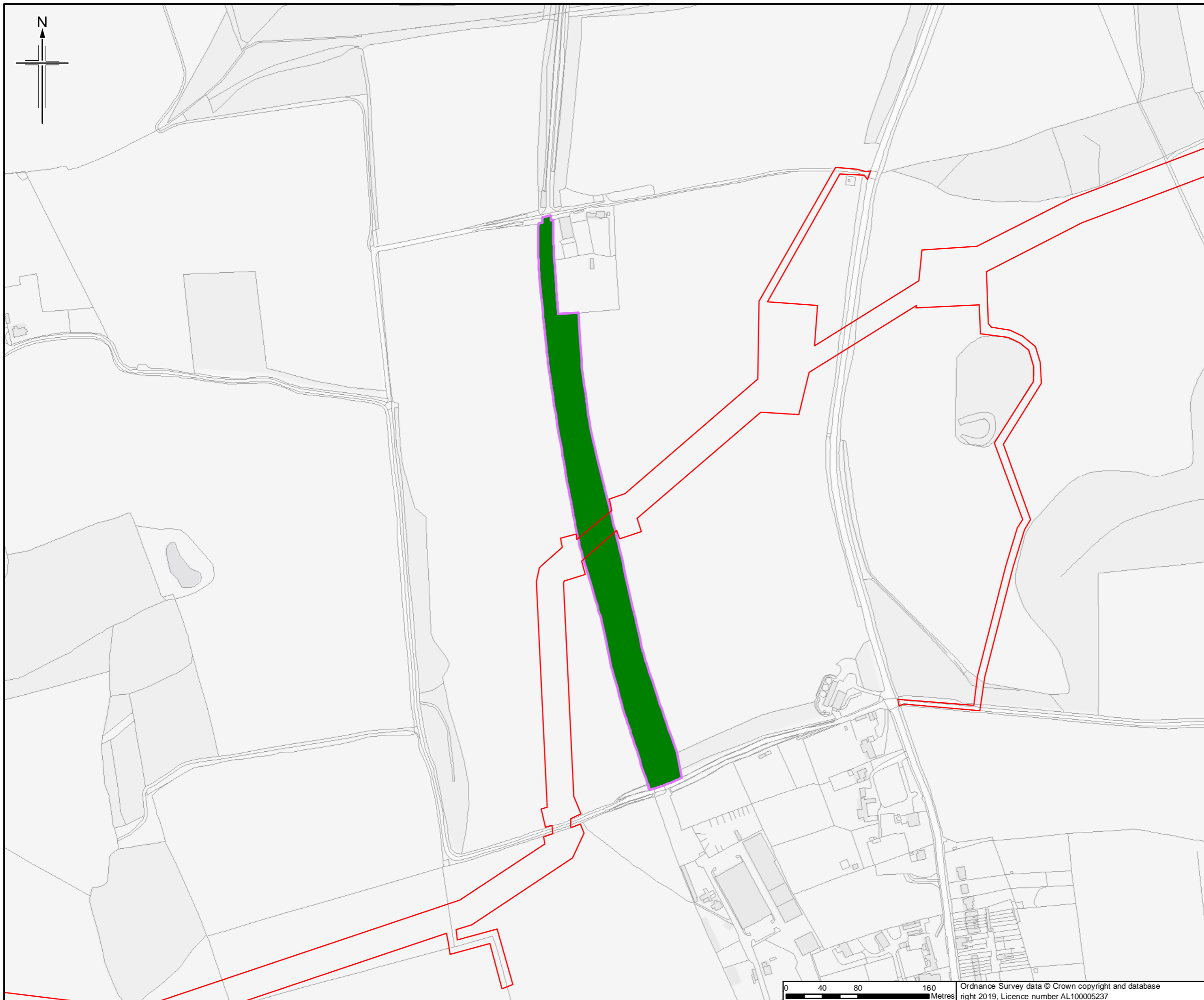
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 DISUSED RAILWAY
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001393	
Drawing number	Figure A7.1.46 Sheet 1 of 1	Rev 0



Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

Sheet displays part of Section B

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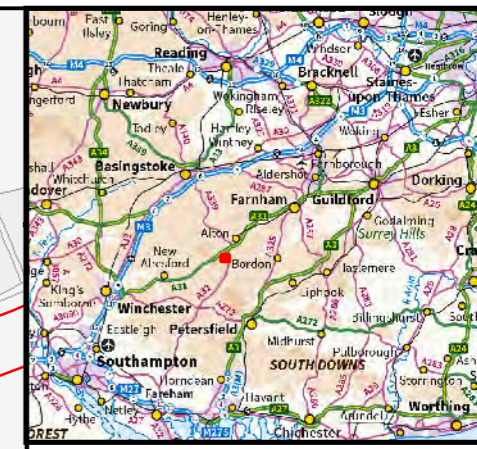
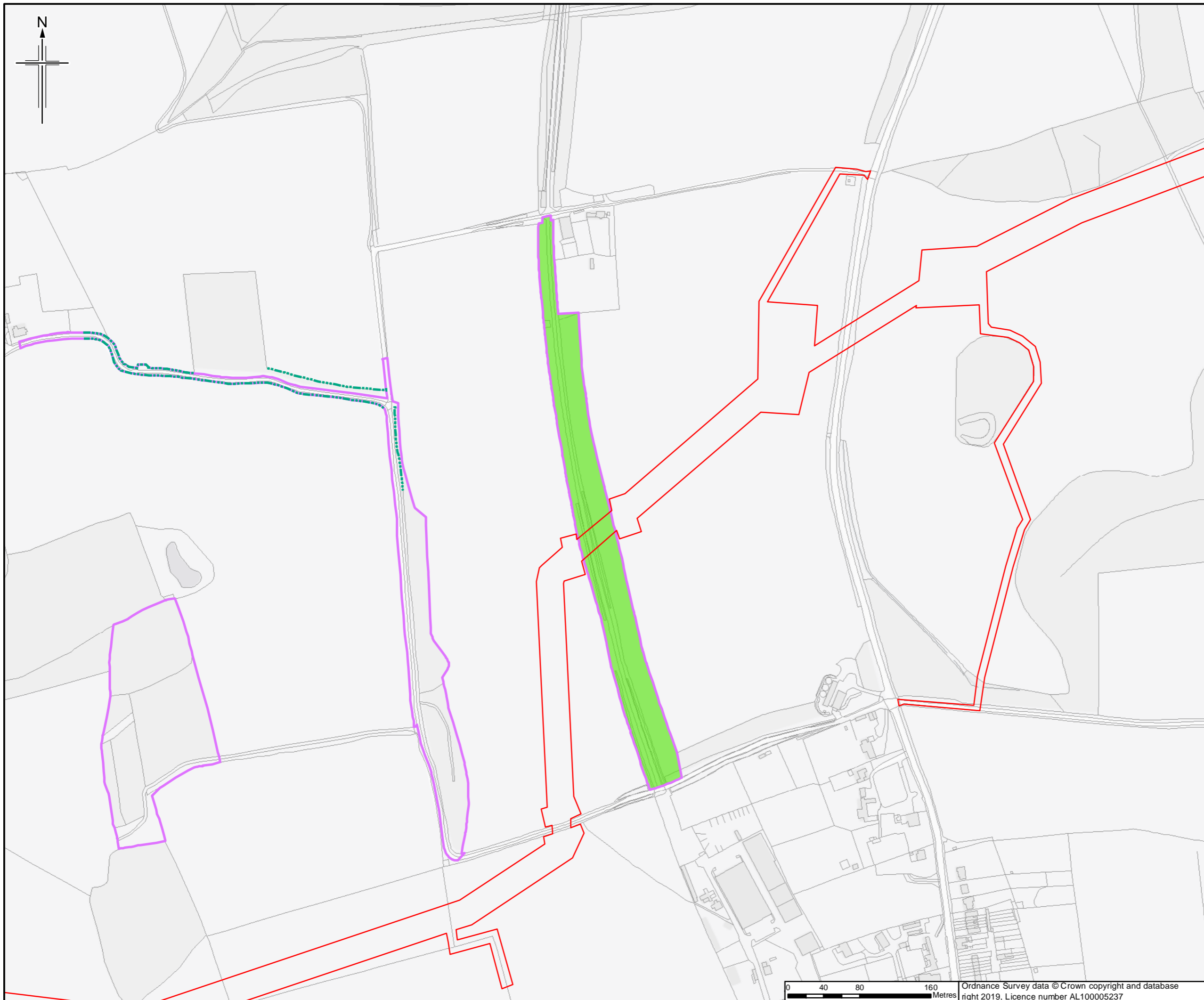


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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 DISUSED RAILWAY
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
Scale	1:4,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001394	
Drawing number	Figure A7.1.47 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Mixed Deciduous Woodland
 - Hedgerows

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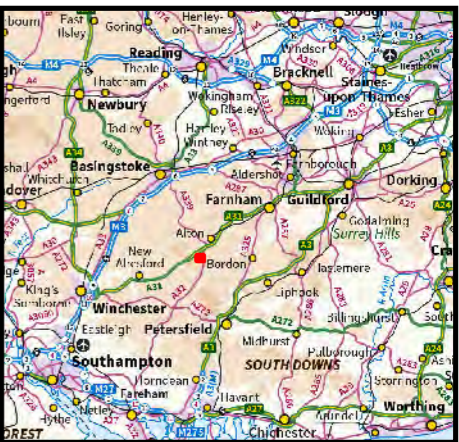
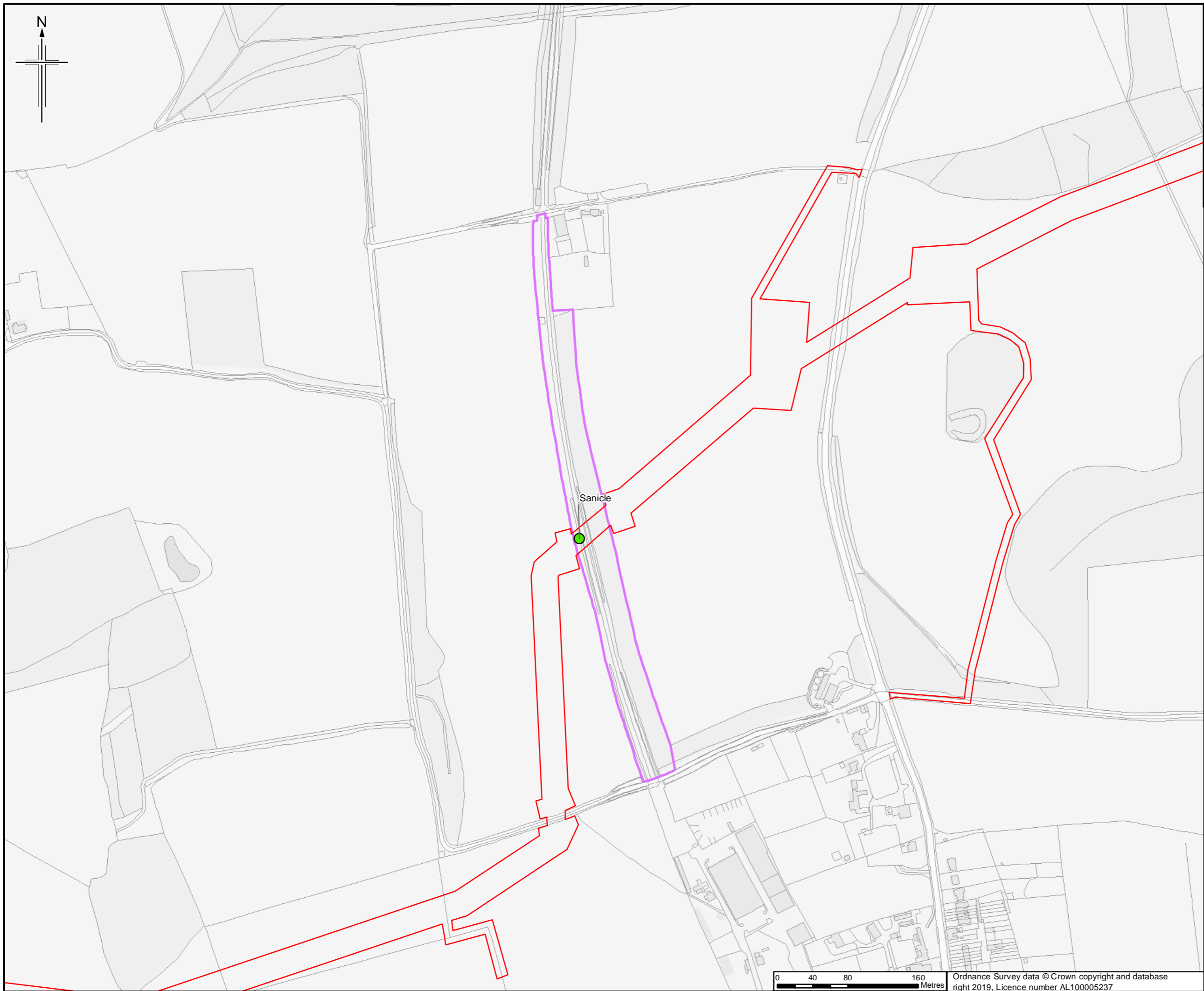
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Project

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Pipeline Project

Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 DISUSED RAILWAY
 APFP Reg. (2009) 5(2)(l)

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Jacobs No.	B2325300	
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Drawing number	Figure A7.1.48 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

Sheet displays part of Section B

0	10/4/2019	For Issue	JH	NS	DM	SH
Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd

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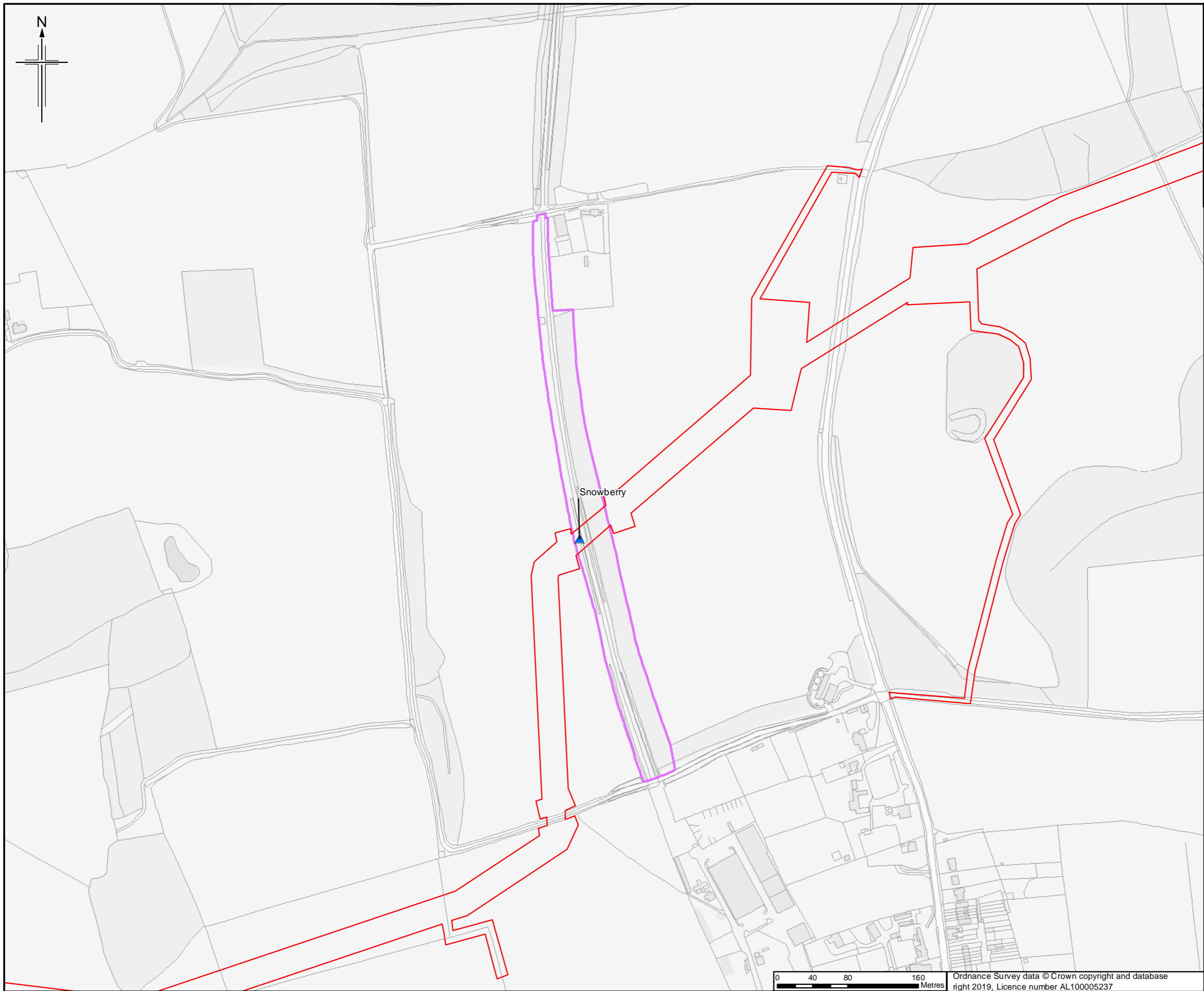
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Drawing title

**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF DISUSED RAILWAY**

APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001396	
Drawing number	Figure A7.1.49 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - ▲ INNS
 - Schedule 9

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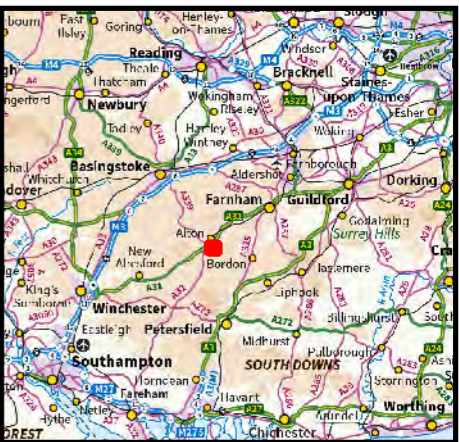
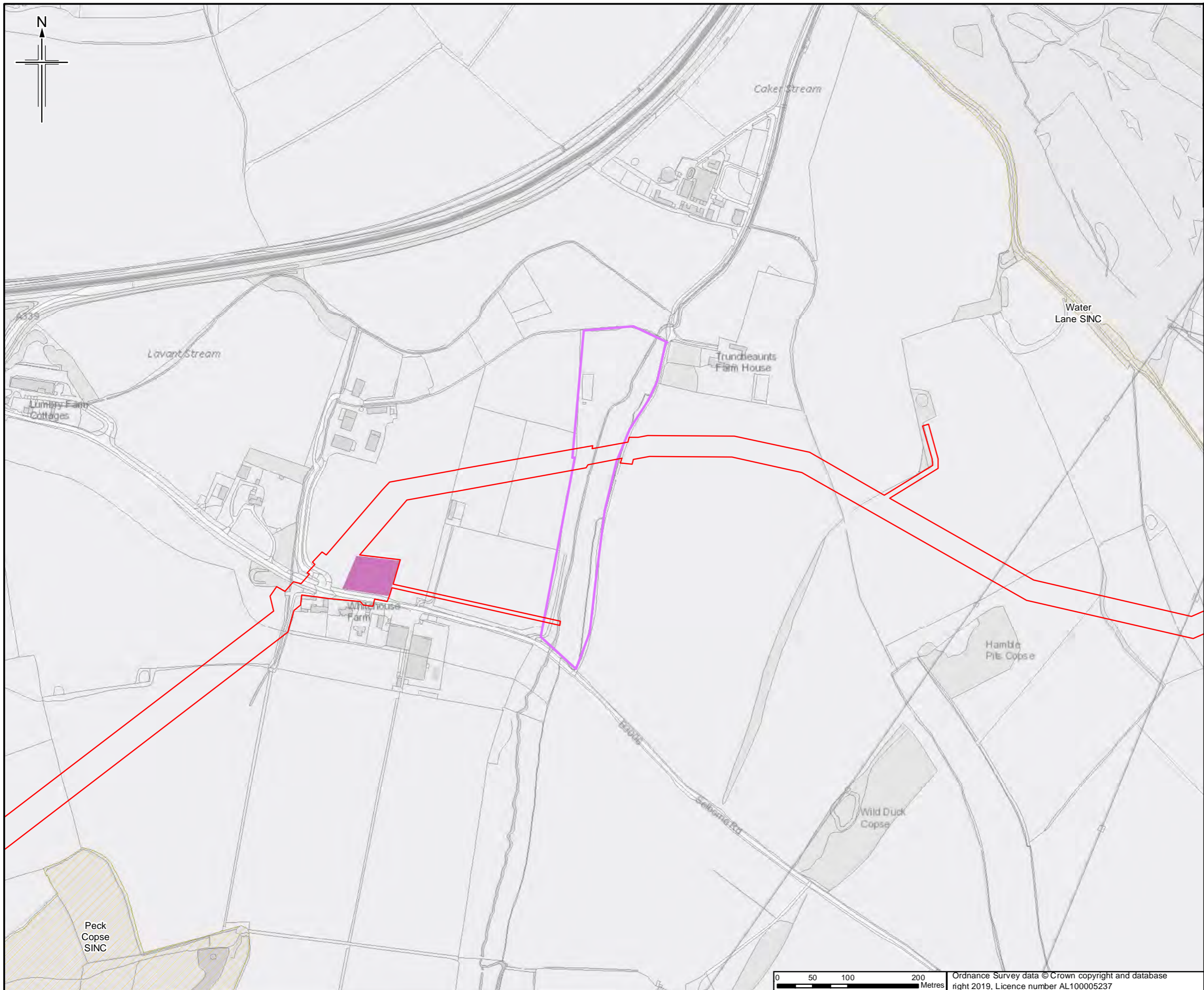
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Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF DISUSED RAILWAY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001397	
Drawing number	Figure A7.1.50 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

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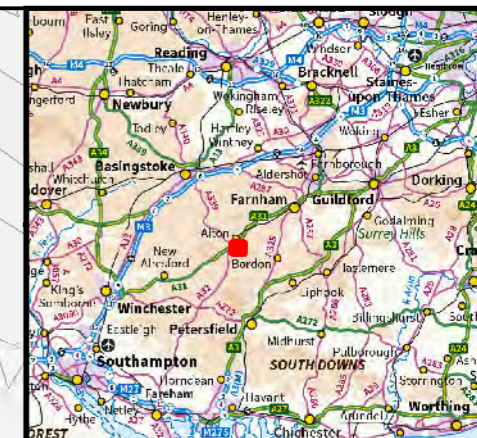
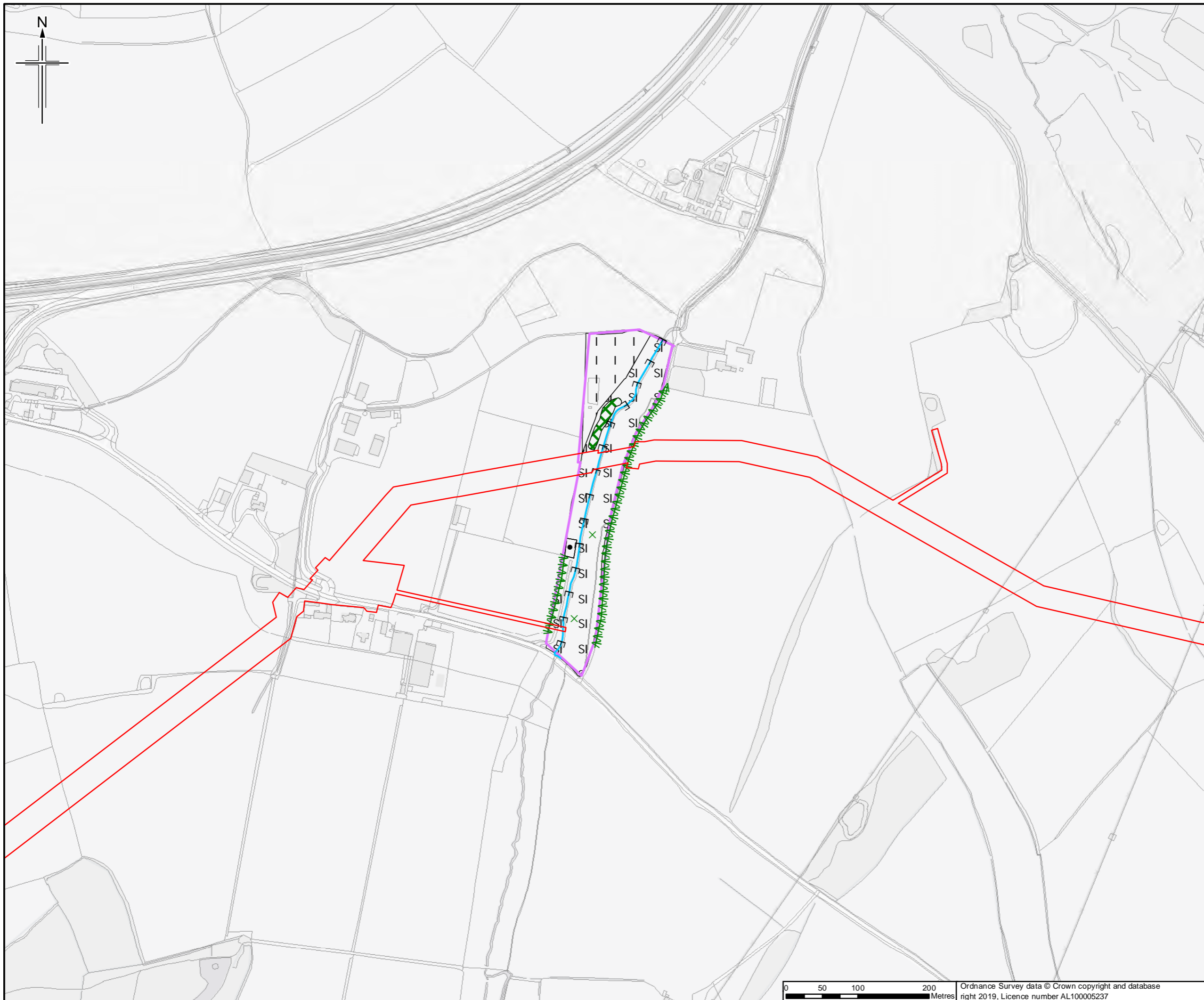
Project

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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 CAKER STREAM FLOODPLAIN
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:5,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001398	
Drawing number	Figure A7.1.51 Sheet 1 of 1	Rev 0

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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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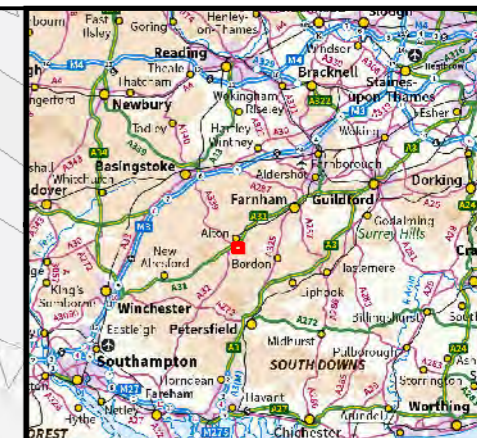
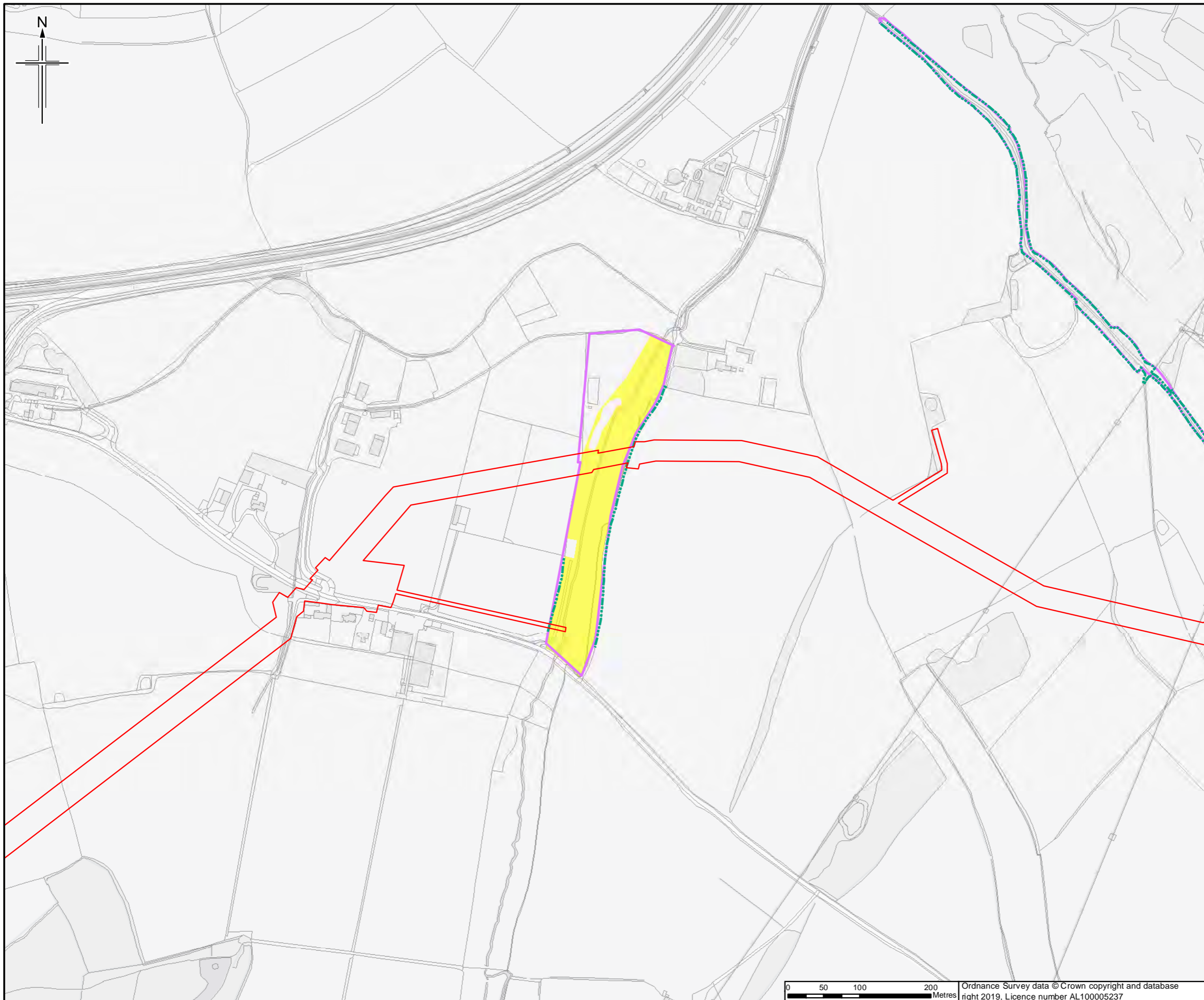
Project
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 CAKER STREAM FLOODPLAIN
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
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0 50 100 200 Metres
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- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Coastal and Floodplain
 - Grazing Marsh
 - Hedgerows

Sheet displays part of Section B and C

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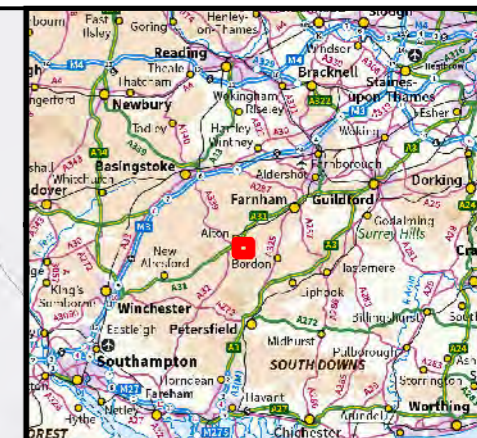
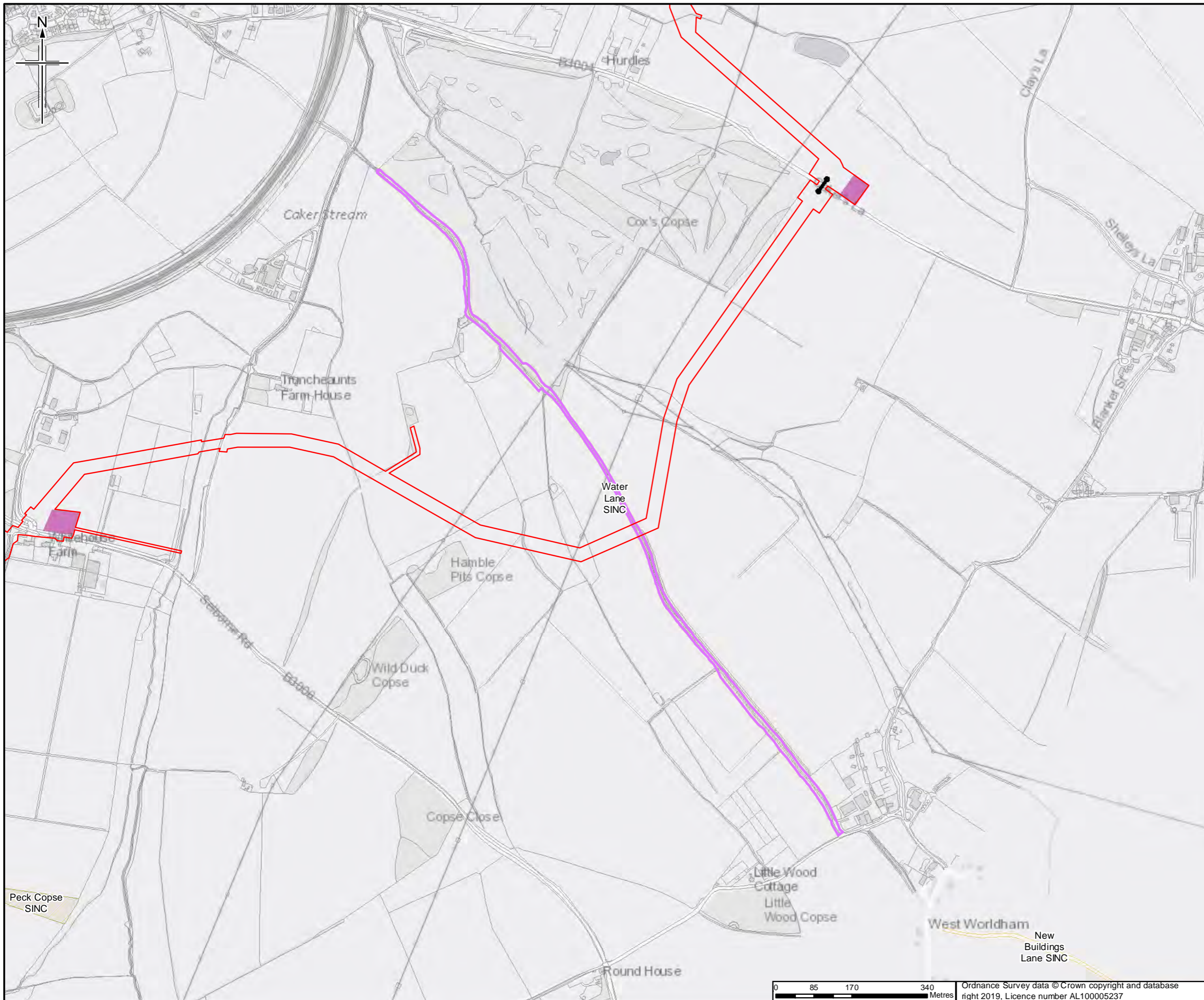
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 CAKER STREAM FLOODPLAIN
 APPF Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001403	
Drawing number	Figure A7.1.53 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SSSI
 - SINC/SNCI
 - Survey site boundary

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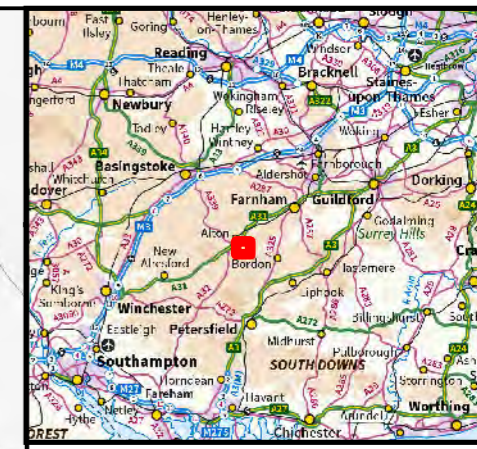
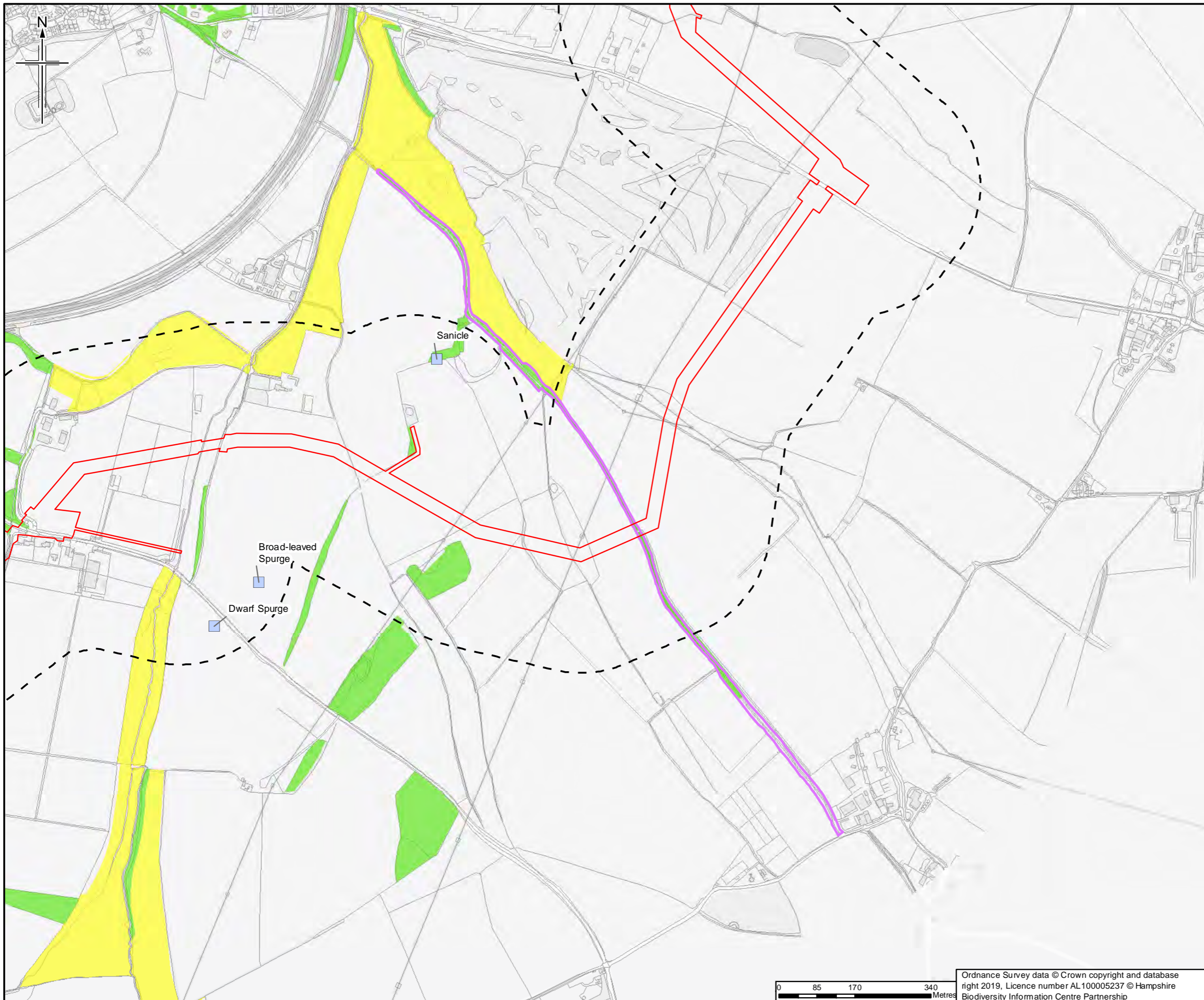
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 WATER LANE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
Scale	1:8,000 @ A3	DO NOT SCALE
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001406	
Drawing number	Figure A7.1.54 Sheet 1 of 1	Rev 0

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Mixed Deciduous Woodland

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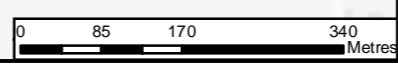
Project

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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT**
BACKGROUND HABITAT AND BOTANICAL RECORDS FOR WATER LANE

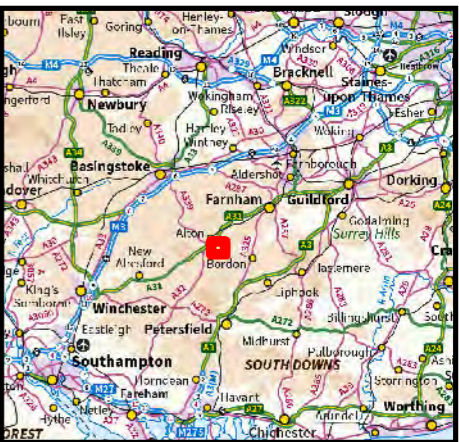
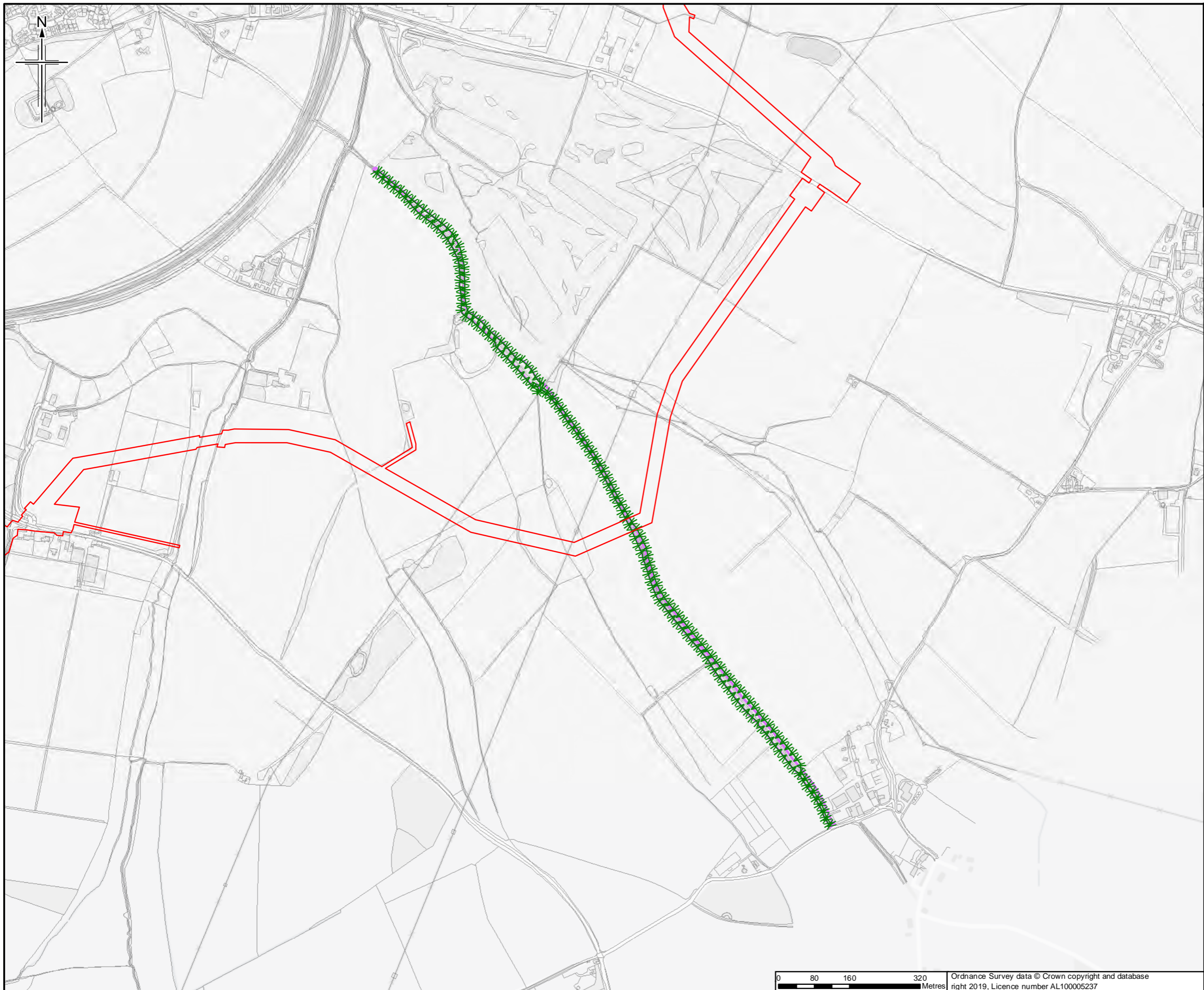
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001404	
Drawing number	Figure A7.1.55 Sheet 1 of 1	Rev 0



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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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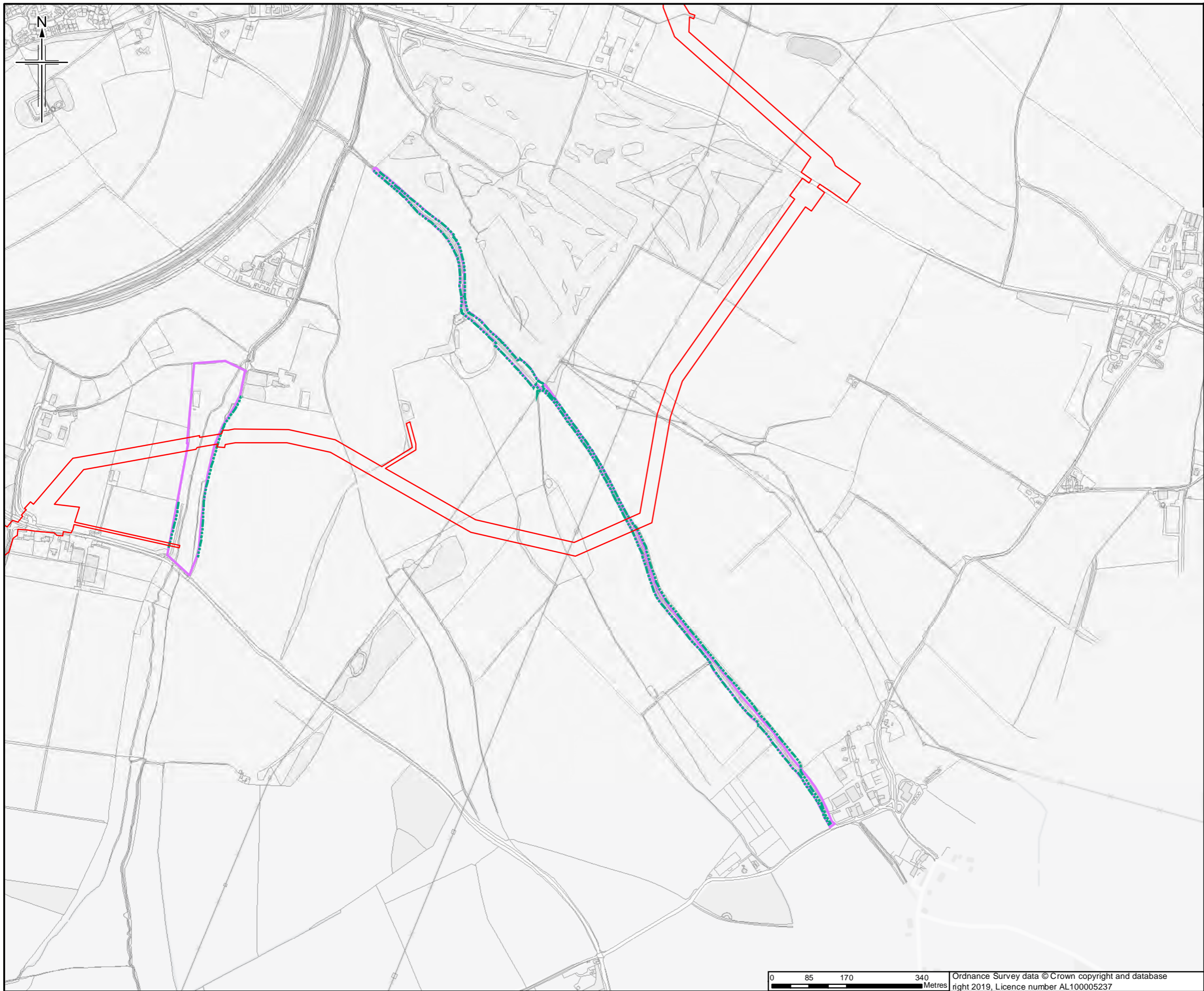
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF WATER LANE
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001405	
Drawing number	Figure A7.1.56 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Hedgerows

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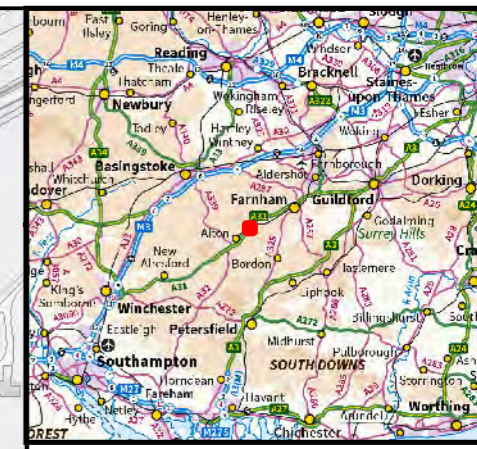
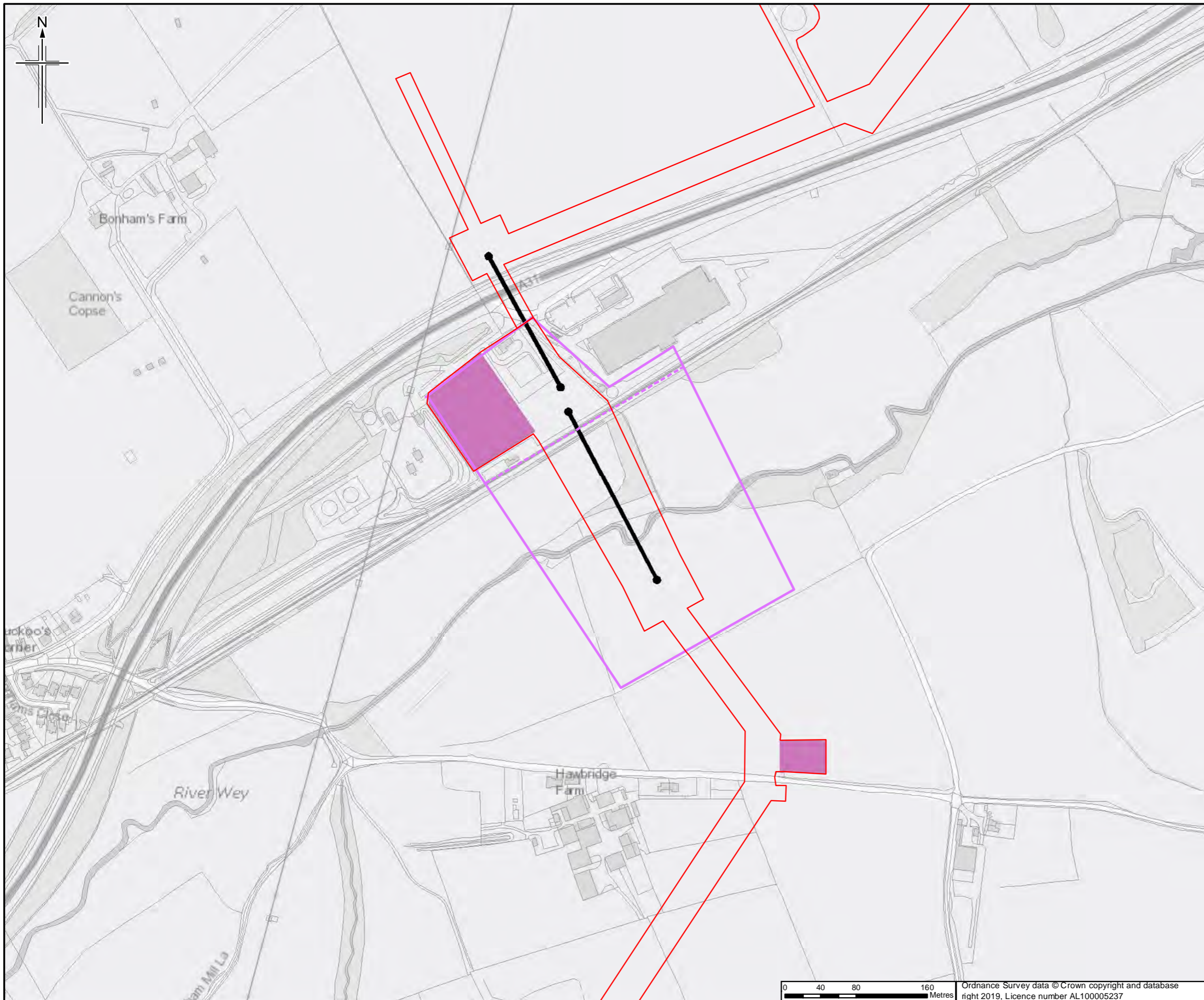
Project

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Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 WATER LANE
 APFP Reg. (2009) 5(2)(i)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001409	
Drawing number	Figure A7.1.57 Sheet 1 of 1	Rev 0

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- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - Survey site boundary
 - Survey subsite boundary

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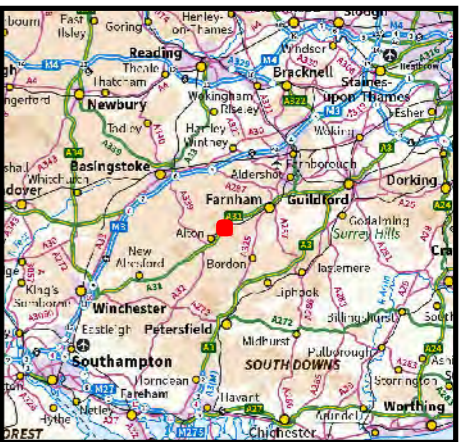
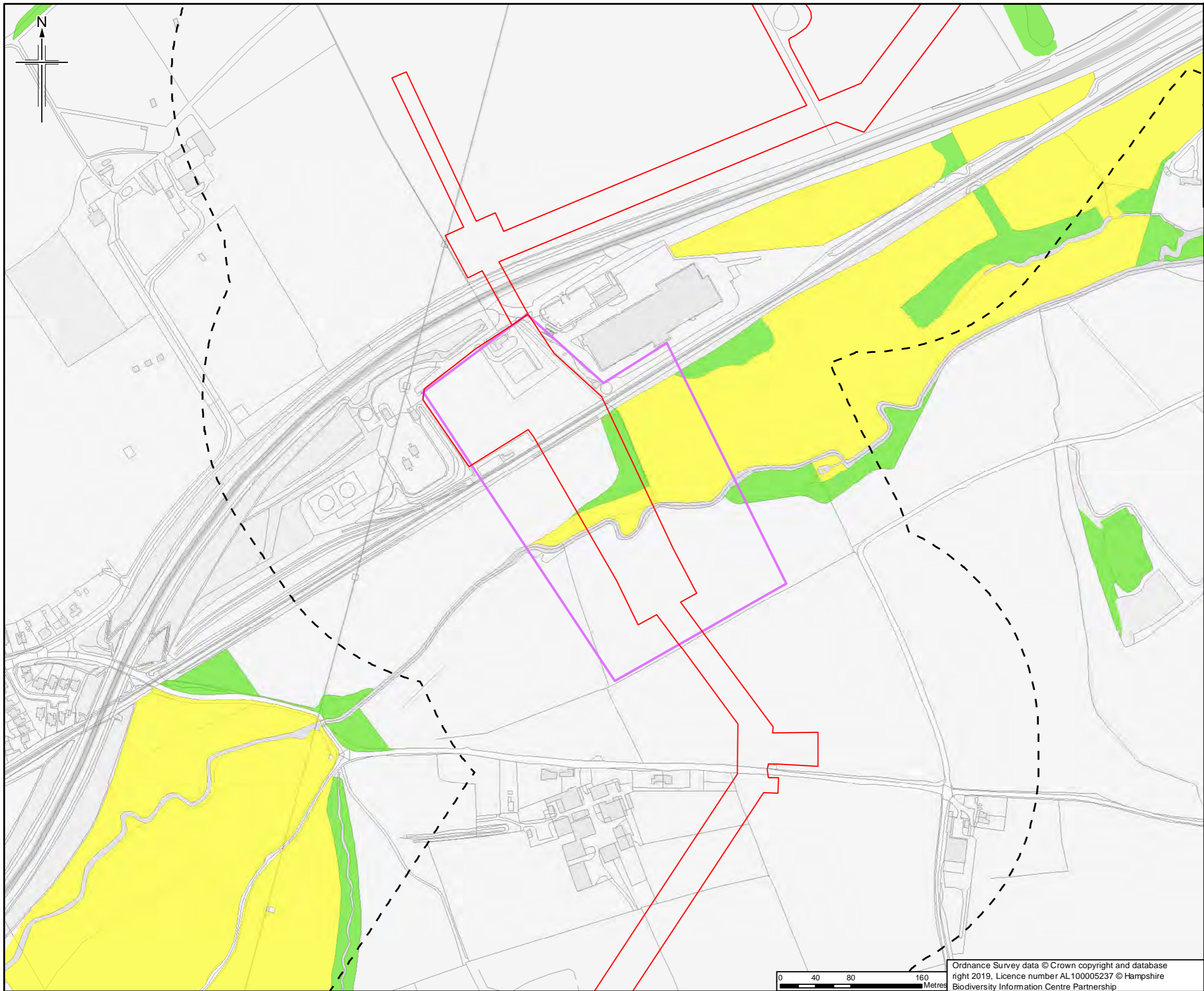
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Pipeline Project

Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 SITE PLAN OF
 FLOODPLAIN OF RIVER WEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:4,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001410	
Drawing number	Figure A7.1.58 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Mixed Deciduous Woodland

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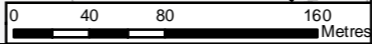
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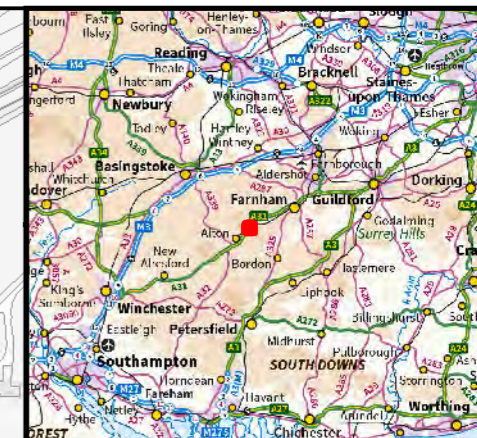
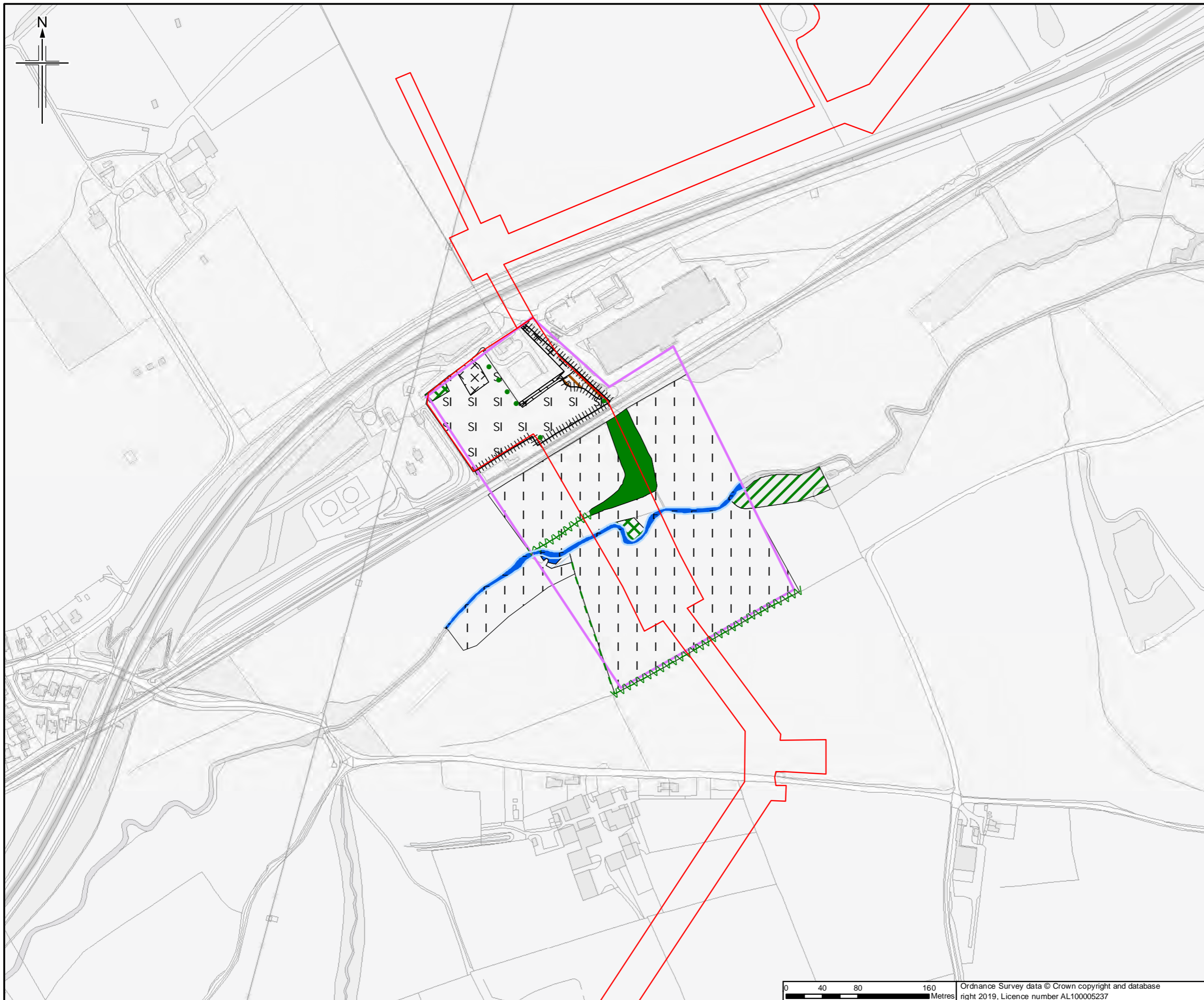
Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT BACKGROUND HABITAT AND BOTANICAL RECORDS FOR FLOODPLAIN OF RIVER WEY APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
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Drawing number	Figure A7.1.59 Sheet 1 of 1	Rev 0

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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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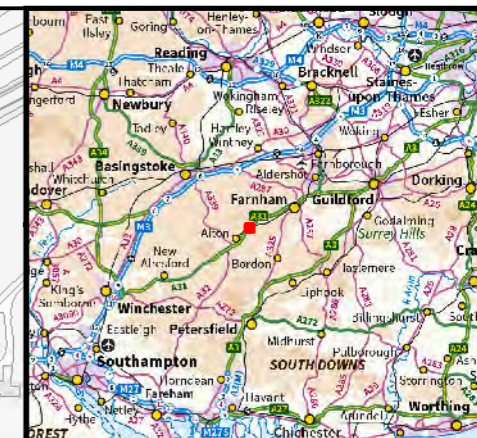
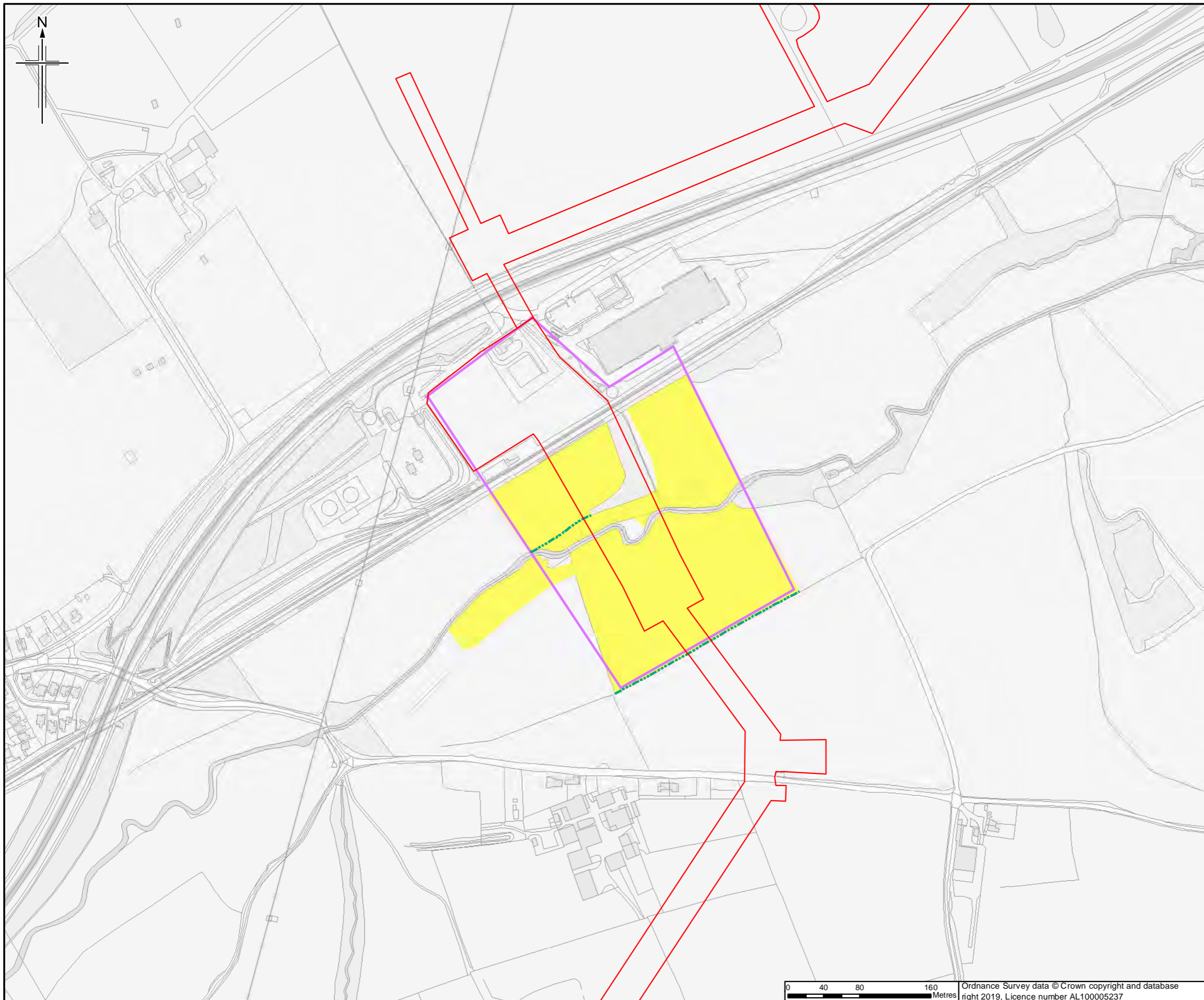
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Drawing title
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 PHASE 1 HABITAT PLAN OF
 FLOODPLAIN OF RIVER WEY
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
Project/Draw No.	B2325300-JAC-000-ENV-DRG-001412	
Drawing number	Figure A7.1.60 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Coastal and Floodplain
 - Grazing Marsh
 - Hedgerows

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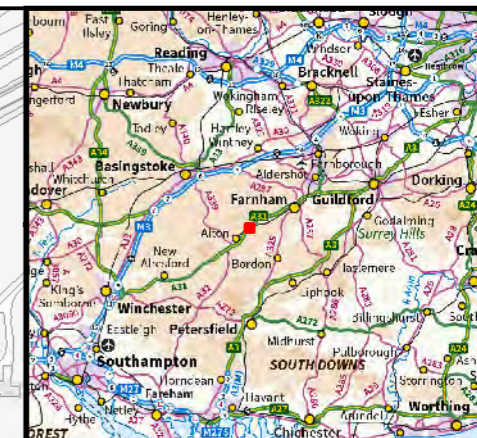
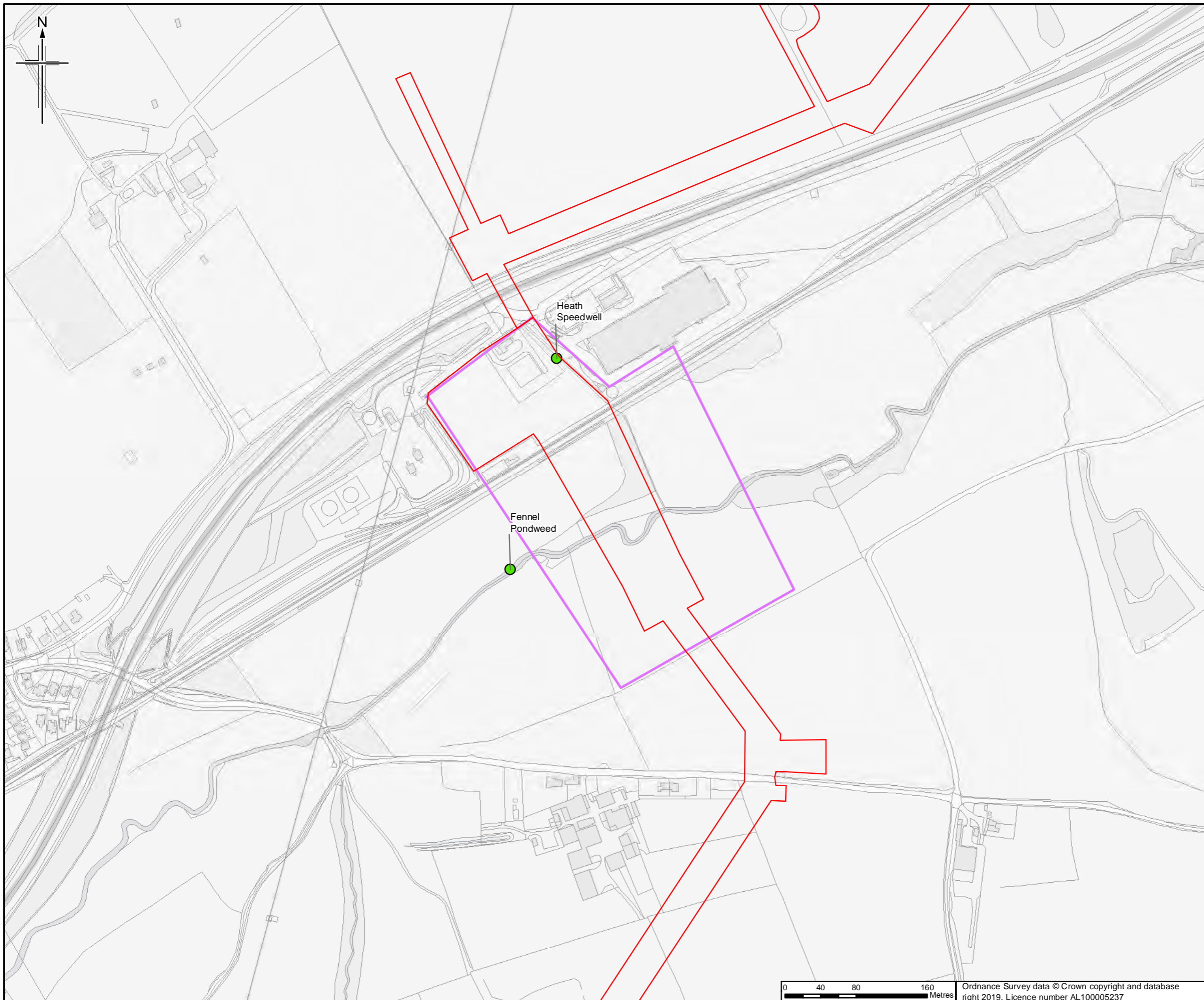
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Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 FLOODPLAIN OF RIVER WEY
 APFP Reg. (2009) 5(2)(i)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
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Drawing number	Figure A7.1.61 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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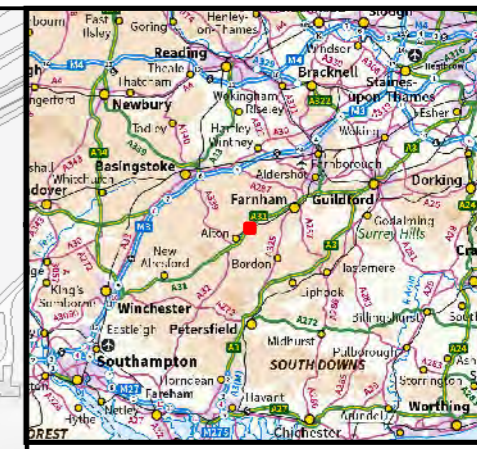
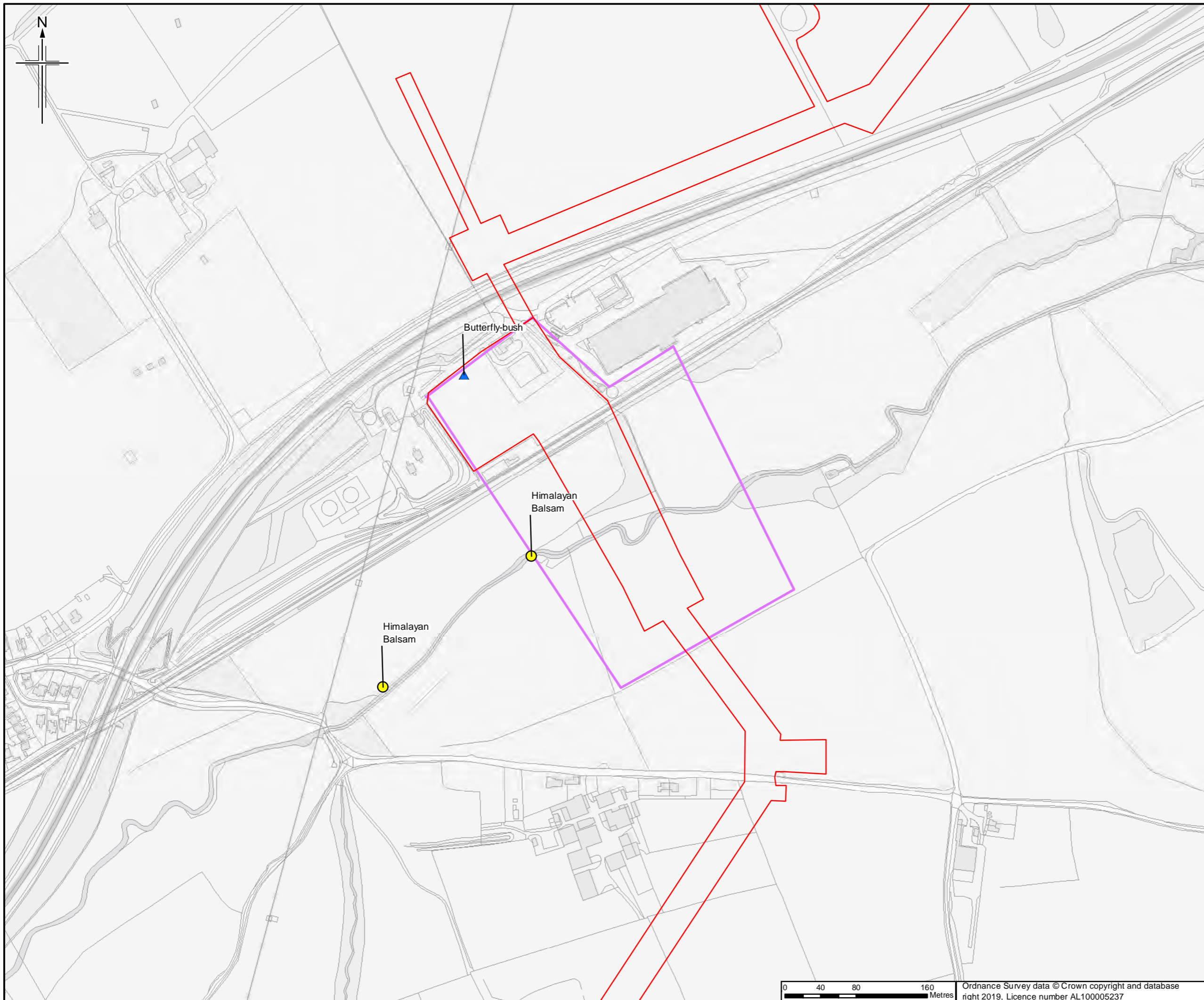
Project

Southampton to London Pipeline Project

Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF FLOODPLAIN OF RIVER WEY

APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:4,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001414	
Drawing number	Figure A7.1.62 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

Butterfly-bush

Himalayan Balsam

Himalayan Balsam

Sheet displays part of Section C

Rev	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	5/3/2019	For Issue		JH	NS	DM SH

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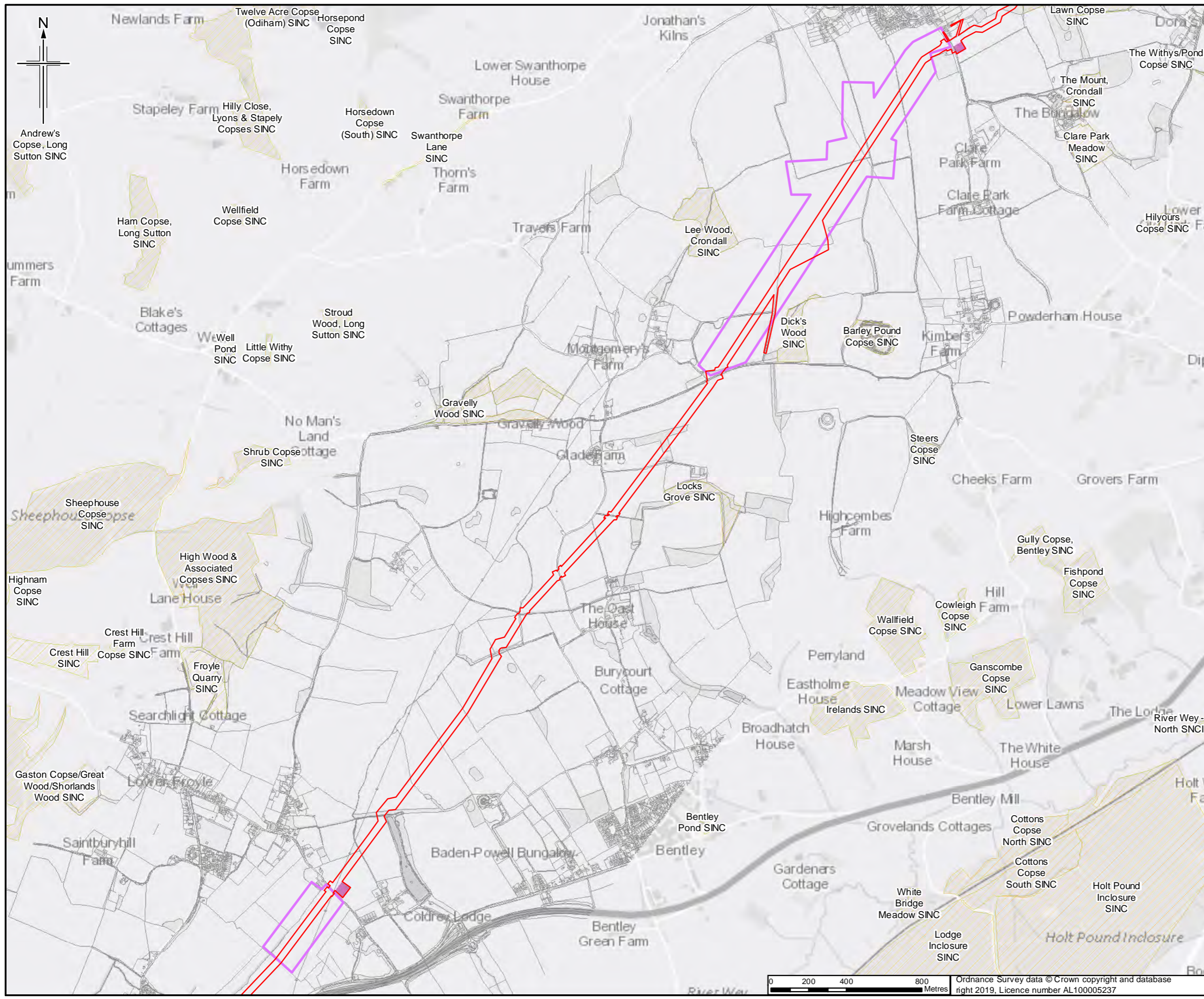
Client
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Project

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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF FLOODPLAIN OF RIVER WEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001415	
Drawing number	Figure A7.1.63 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

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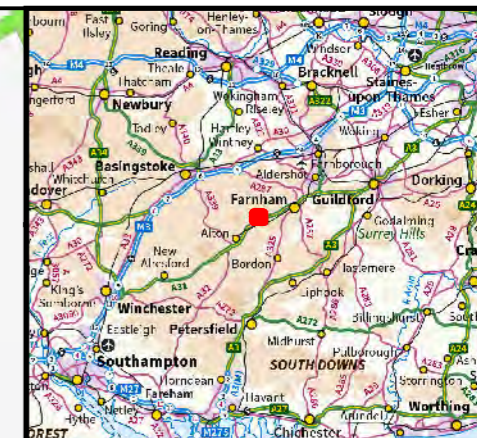
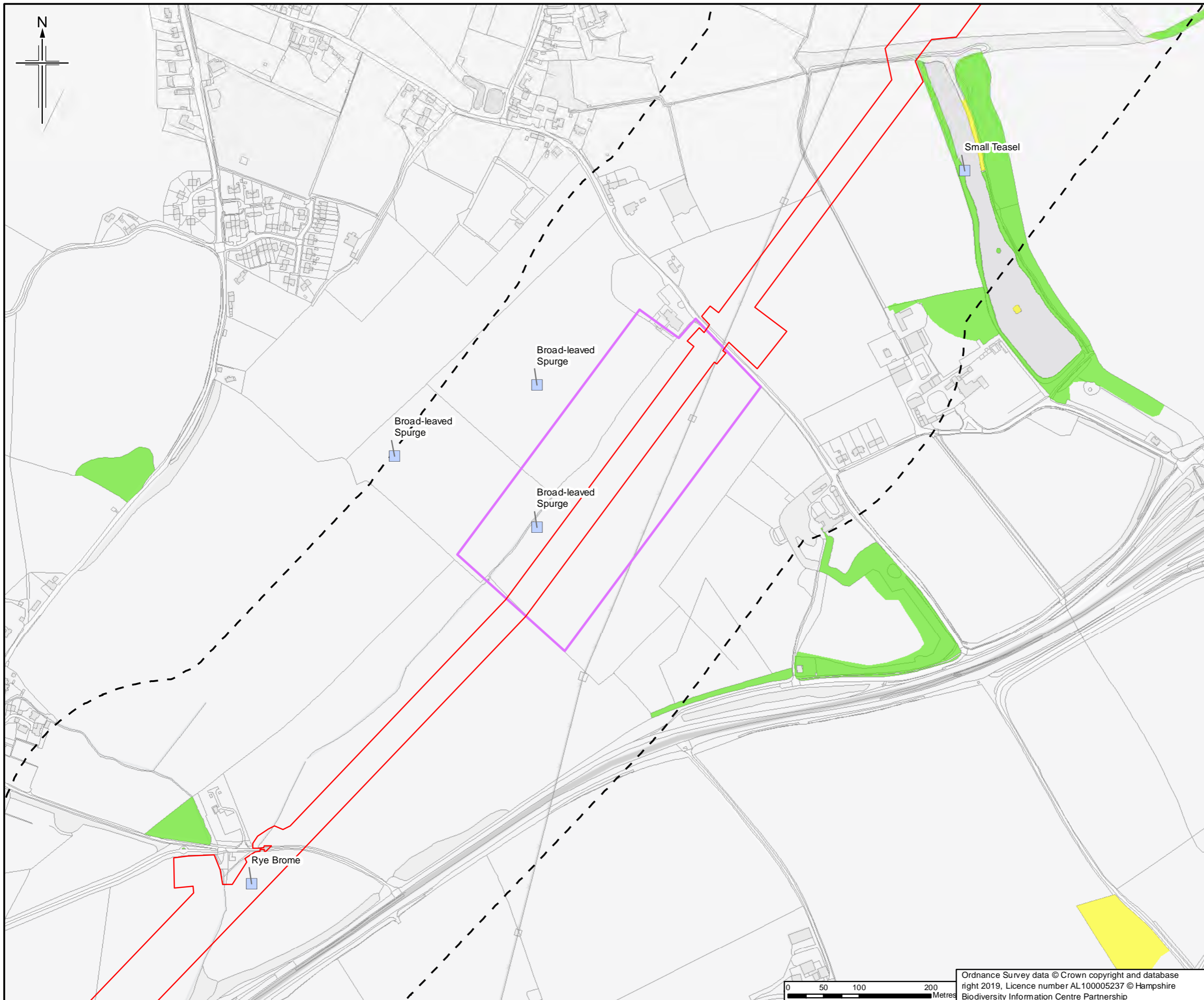
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
Scale	1:18,750 @ A3 DO NOT SCALE
Jacobs No.	B2325300
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001416
Drawing number	Figure A7.1.64 Sheet 1 of 1
	Rev 0

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Mixed Deciduous Woodland

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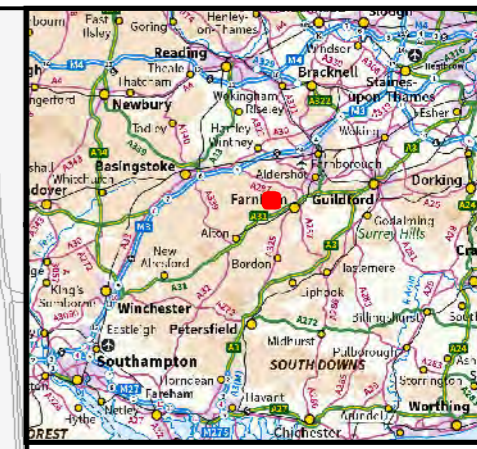
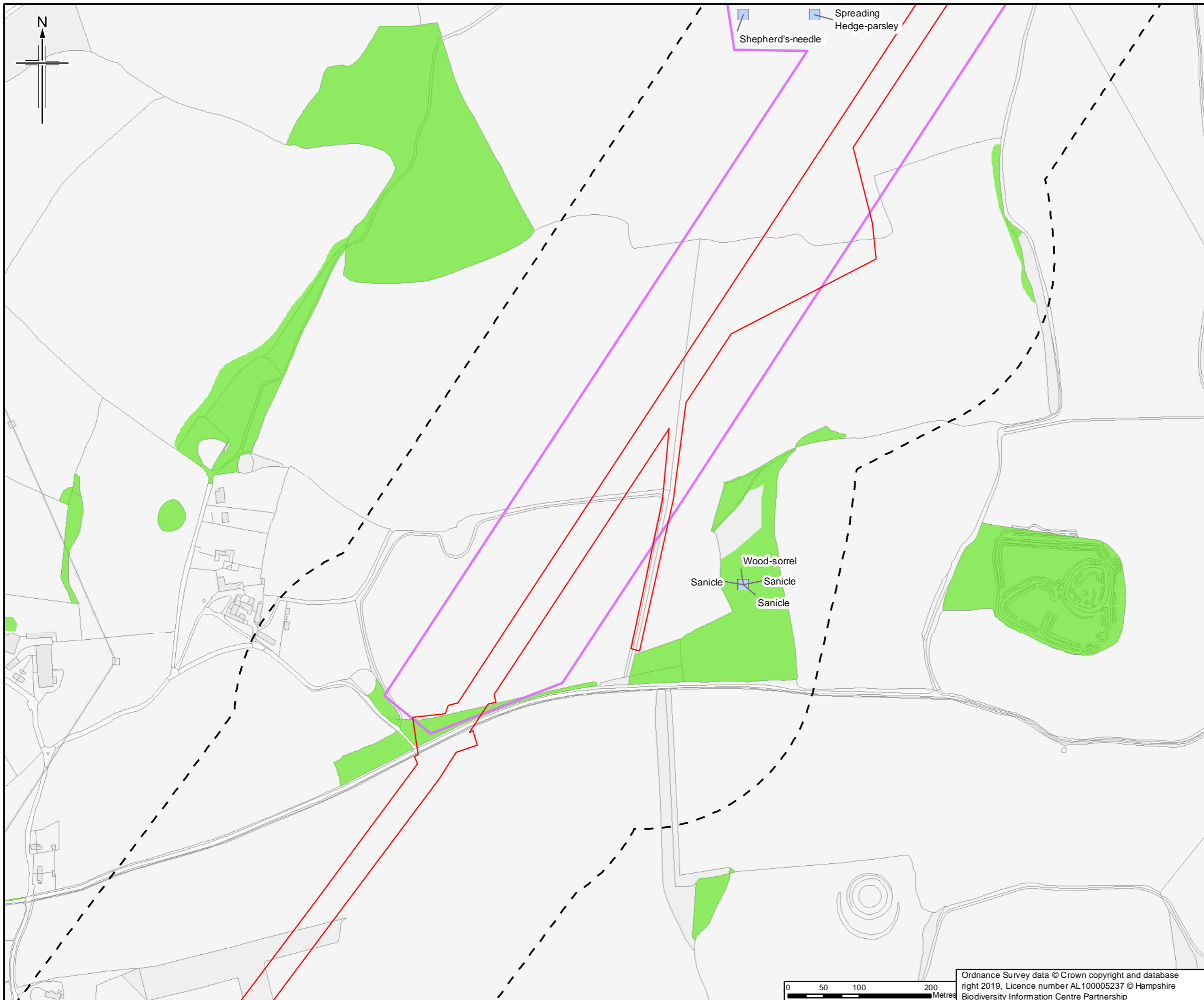
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 BACKGROUND HABITAT AND BOTANICAL RECORDS FOR ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

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Jacobs No.	B2325300	
Project/Wise No.	B2325300-JAC-000-ENV-DRG-001417	
Drawing number	Figure A7.1.65 Sheet 1 of 3	Rev 0

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

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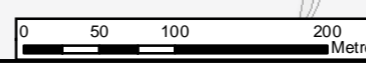
Project

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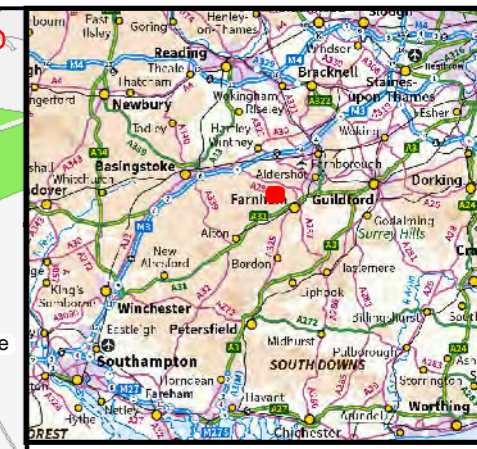
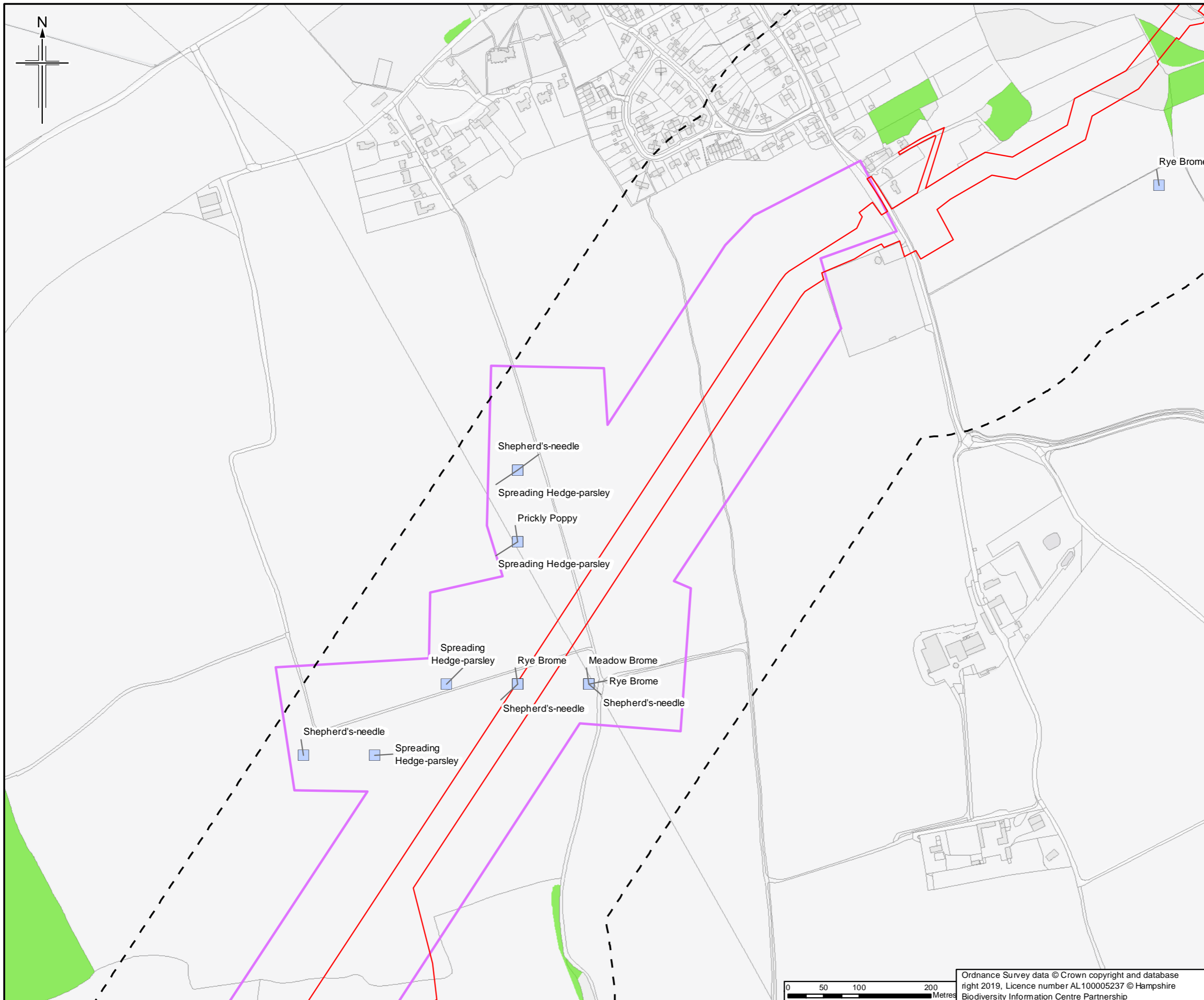
Drawing title
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 BACKGROUND HABITAT AND BOTANICAL RECORDS FOR ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001417	
Drawing number	Figure A7.1.65 Sheet 2 of 3	Rev 0

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

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0	13/03/2019	For Issue		JH	NS	DM SH

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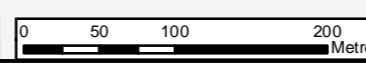
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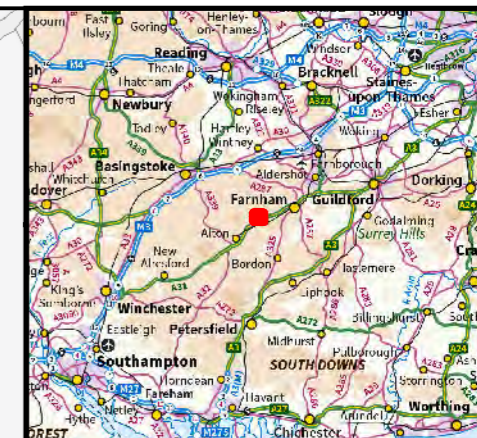
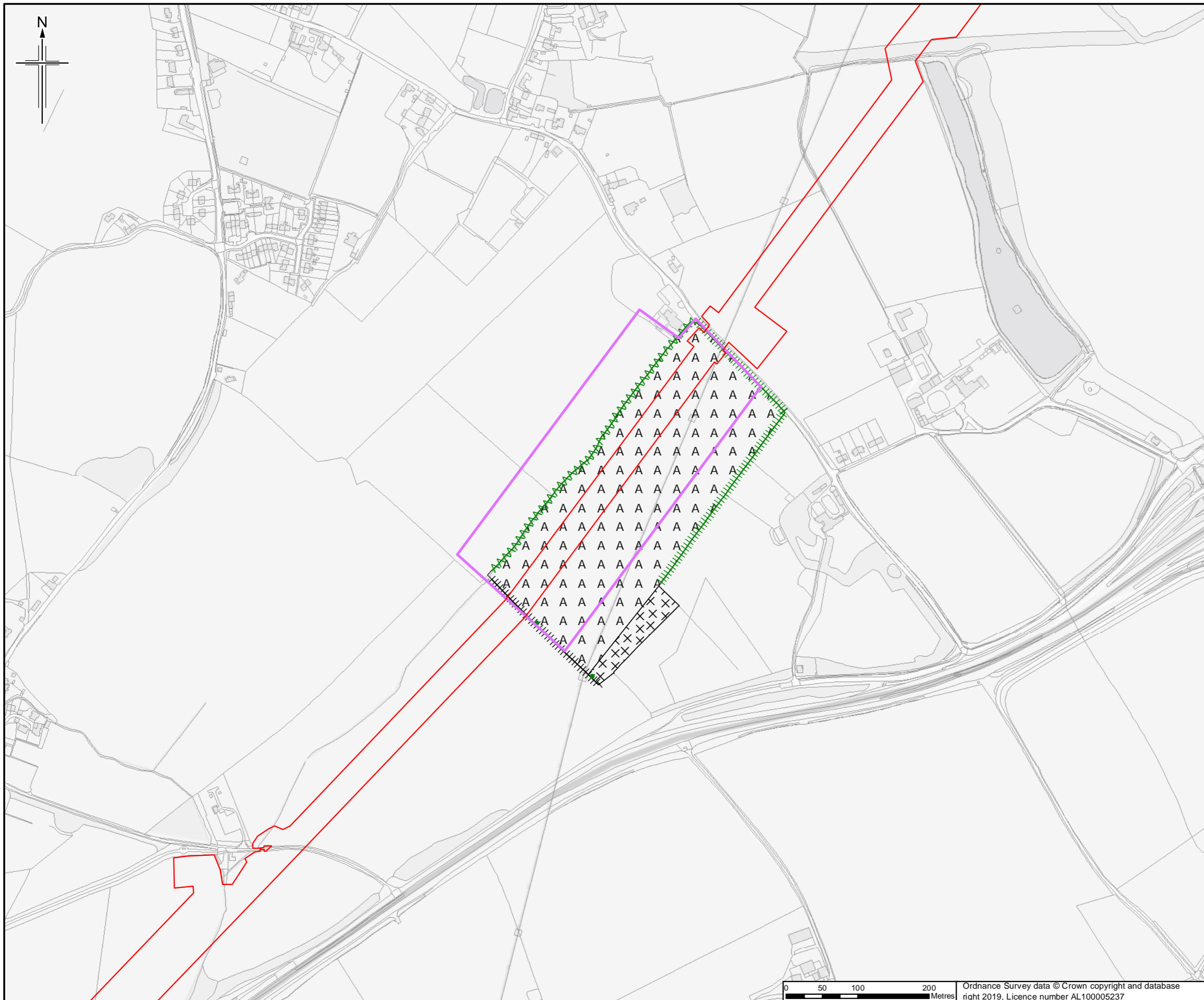
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BACKGROUND HABITAT AND BOTANICAL RECORDS FOR ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:5,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see figure A7.1.195

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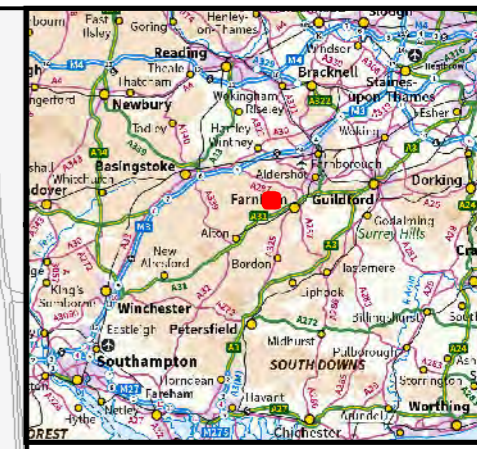
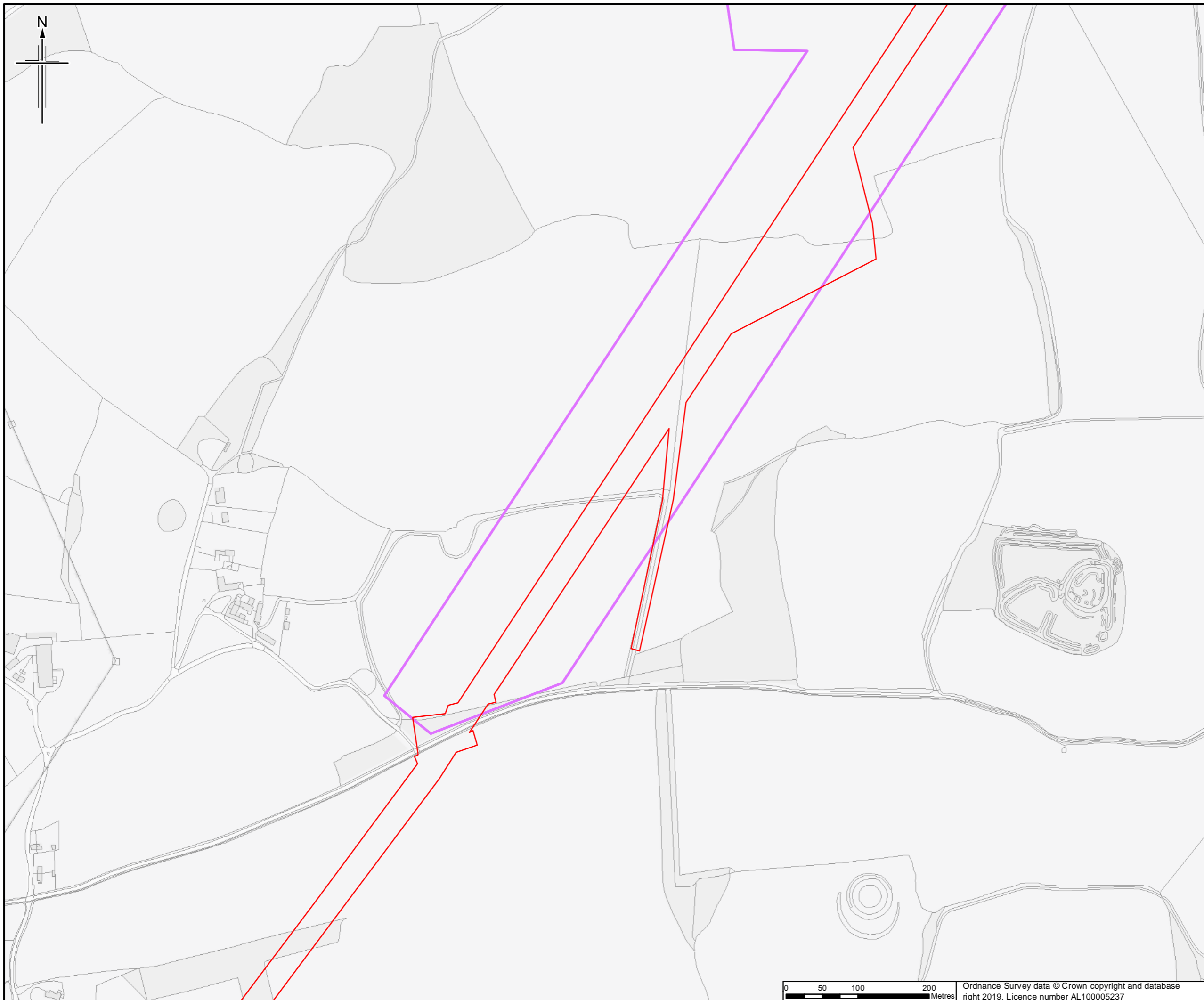


Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
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Jacobs No.	B2325300
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001418
Drawing number	Figure A7.1.66 Sheet 1 of 3
Rev	0

0 50 100 200 Metres
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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see figure A7.1.195

Sheet displays part of Section C

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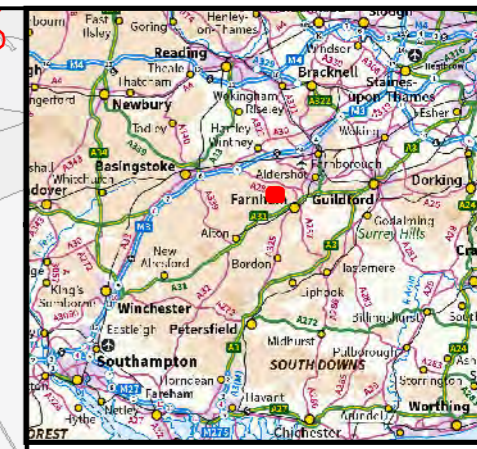
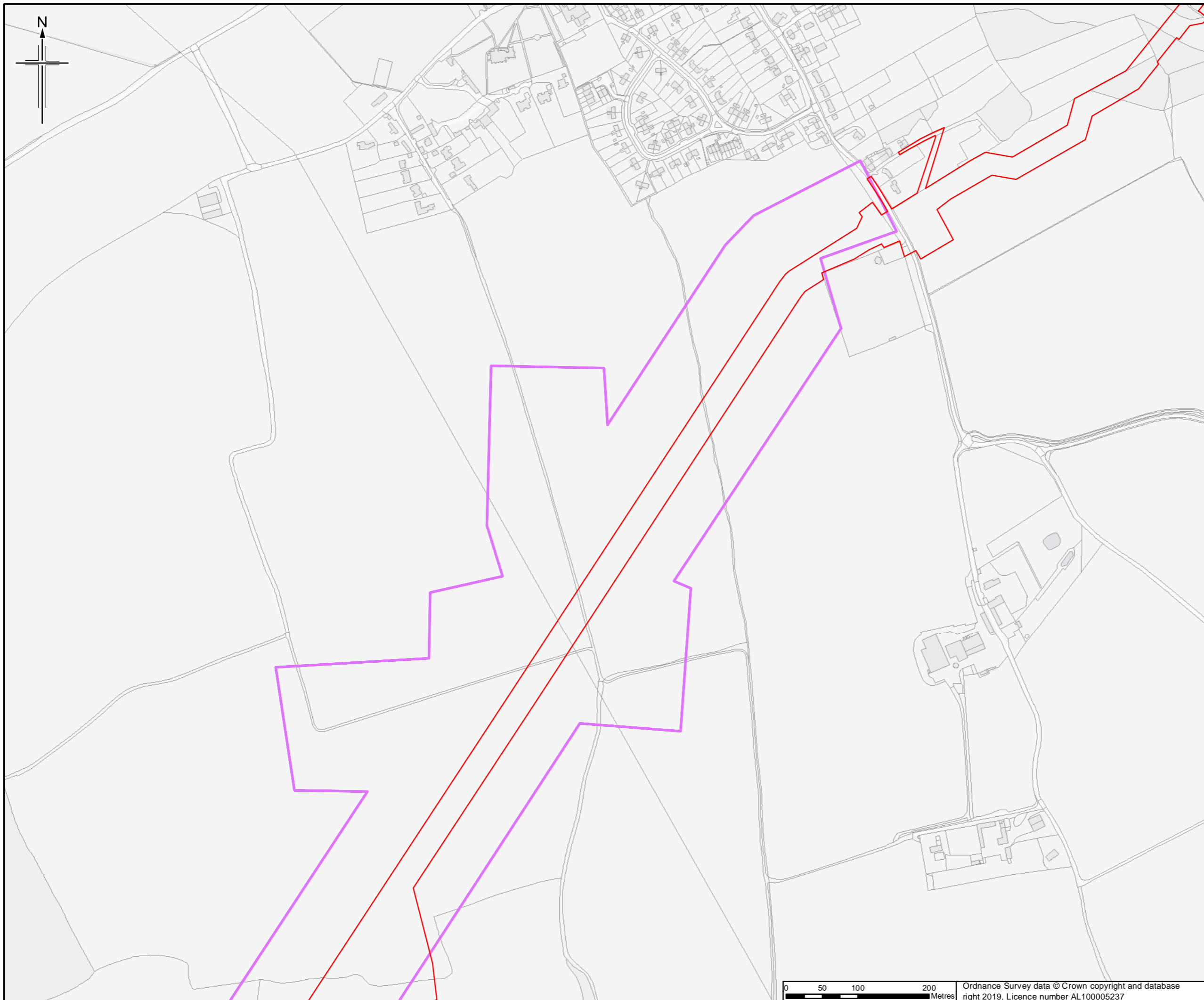
Project
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001418	
Drawing number	Figure A7.1.66 Sheet 2 of 3	Rev 0

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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see figure A7.1.195

Sheet displays part of Section C and D

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	4/04/2019	For Issue	JH	NS	DM	SH

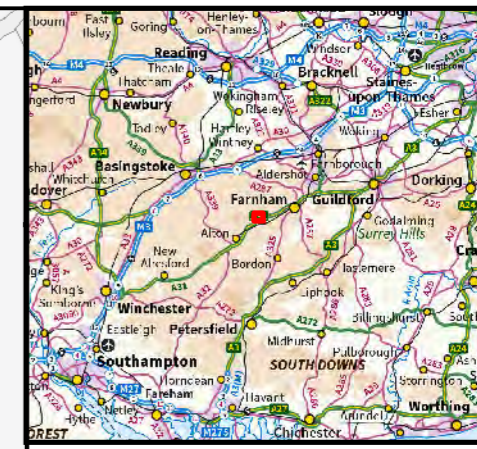
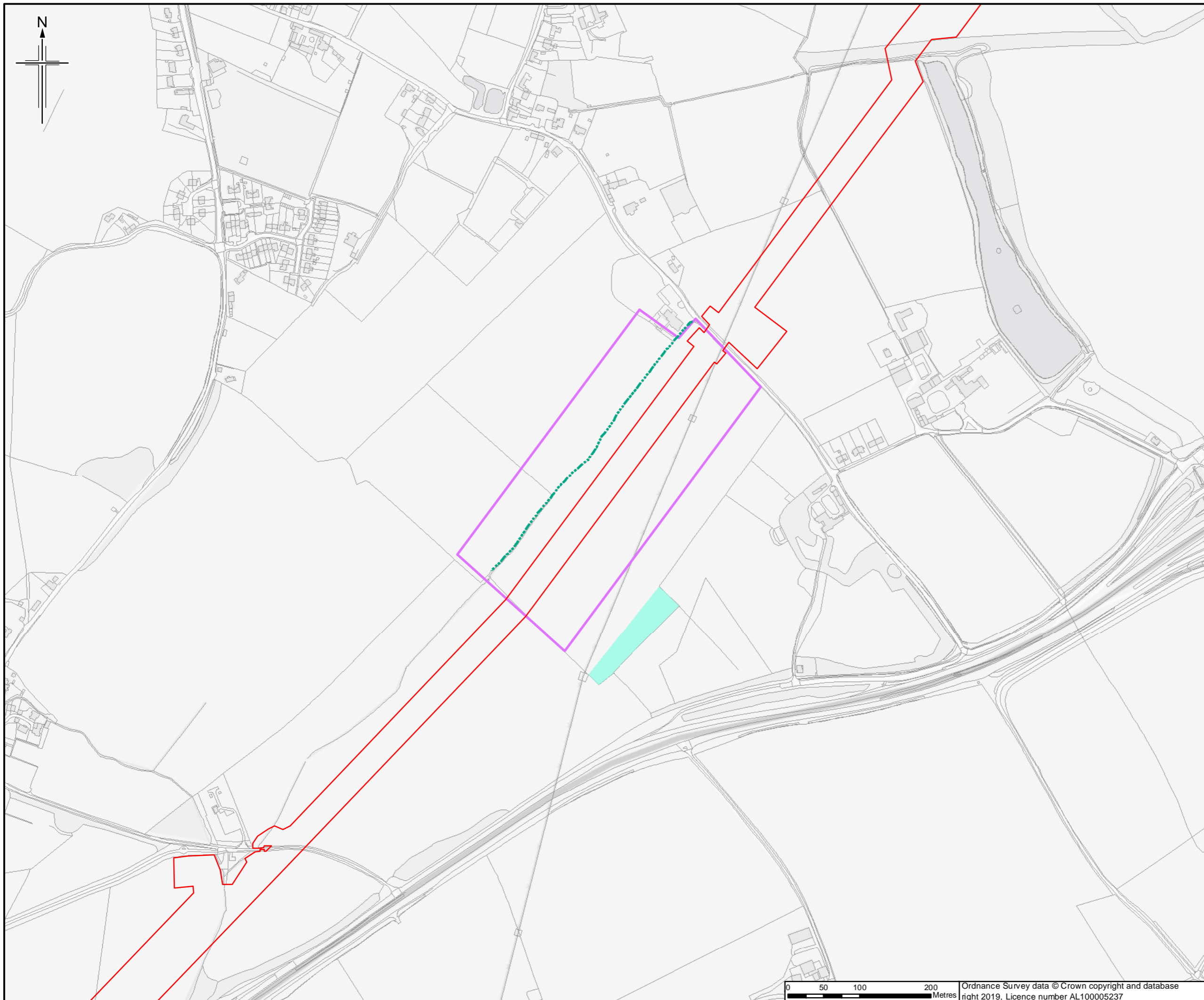
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001418	
Drawing number	Figure A7.1.66 Sheet 3 of 3	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Arable Field Margins
 - Hedgerows

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0	14/03/2019	For Issue		JH	NS	DM SH

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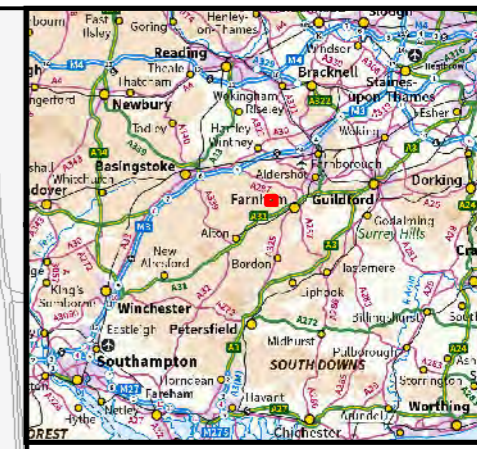
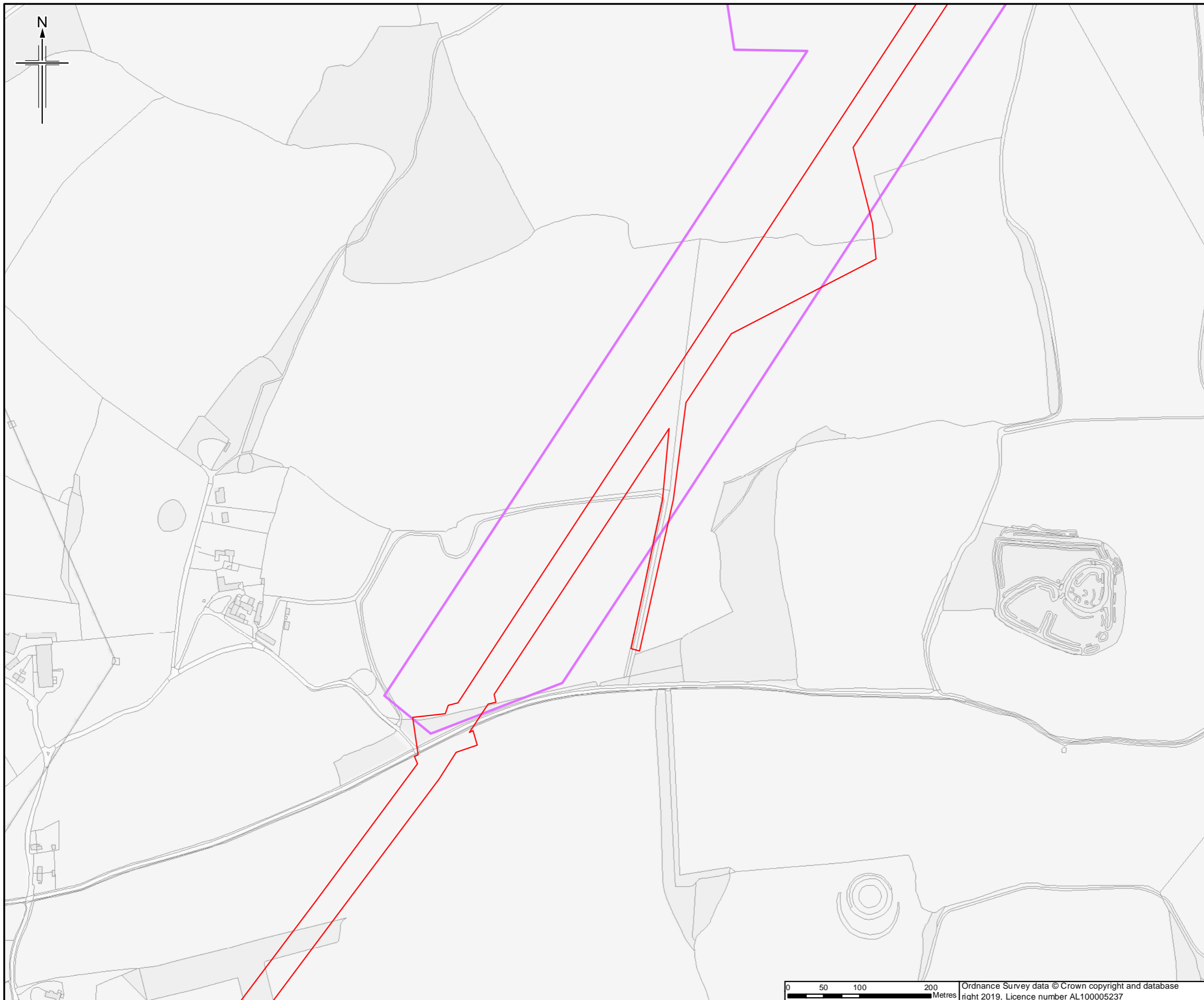
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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001419	
Drawing number	Figure A7.1.67 Sheet 1 of 3	Rev 0



Legend
□ Order Limits
□ Survey site boundary

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0	14/03/2019	For Issue		JH	NS	DM SH

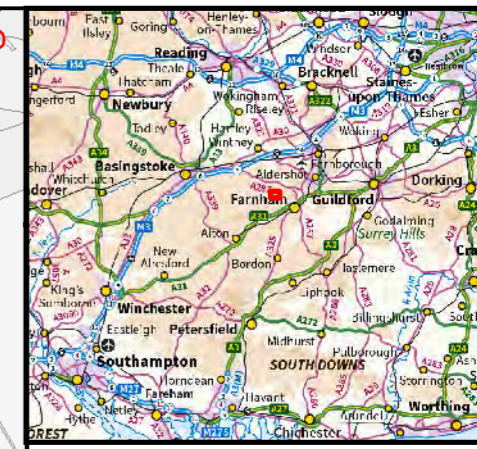
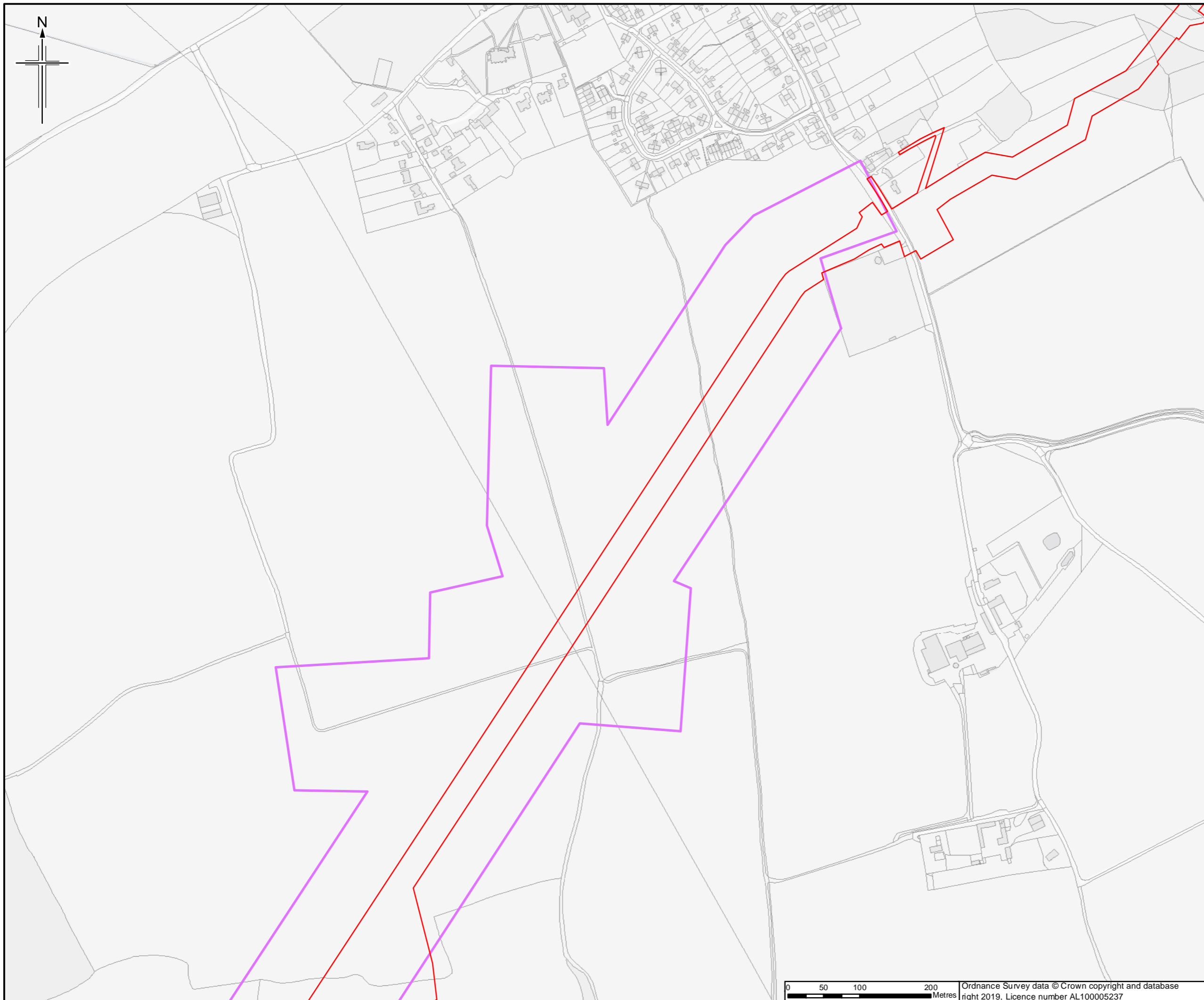
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(i)**

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001419	
Drawing number	Figure A7.1.67 Sheet 2 of 3	Rev 0



Legend

- Order Limits
- Survey site boundary

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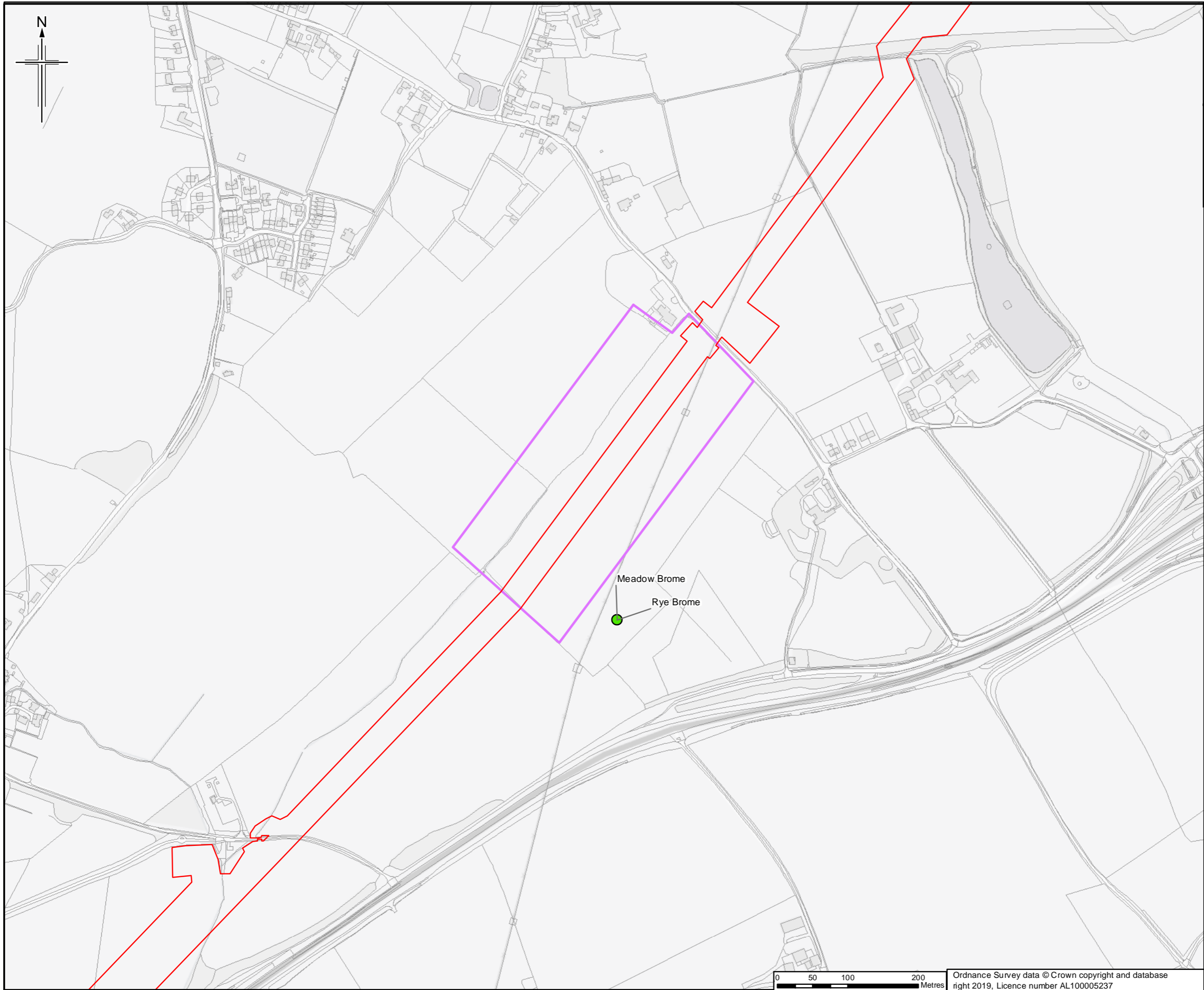
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Drawing title
**APPENDIX 7.1 HABITATS AND
BOTANY REPORT
PRIORITY HABITAT PLAN OF
ARABLE WEEDS
APFP Reg. (2009) 5(2)(i)**

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001419	
Drawing number	Figure A7.1.67 Sheet 3 of 3	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

Meadow Brome
Rye Brome

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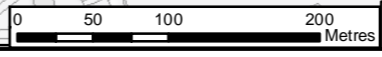
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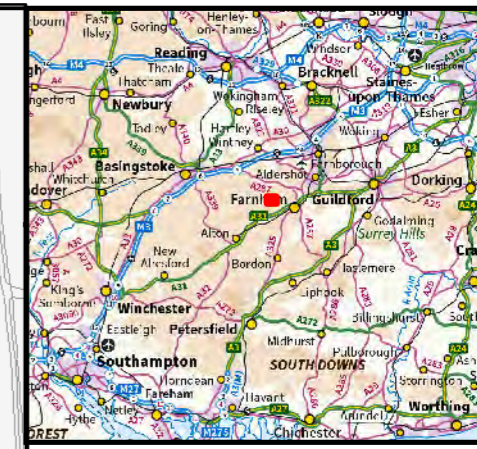
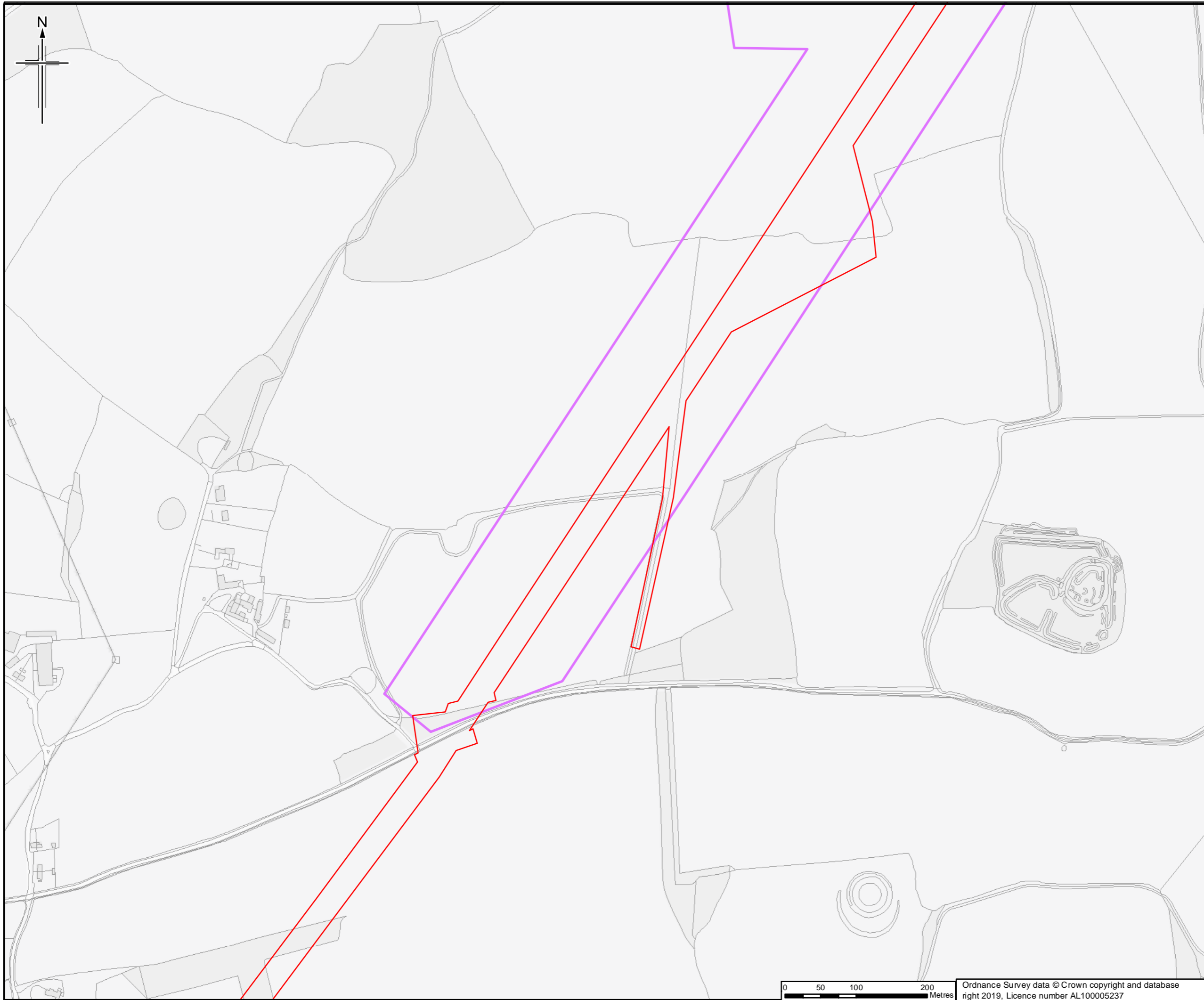
Drawing title
APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF ARABLE WEEDS
APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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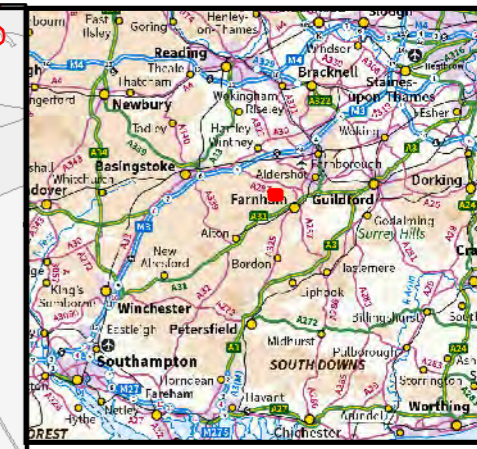
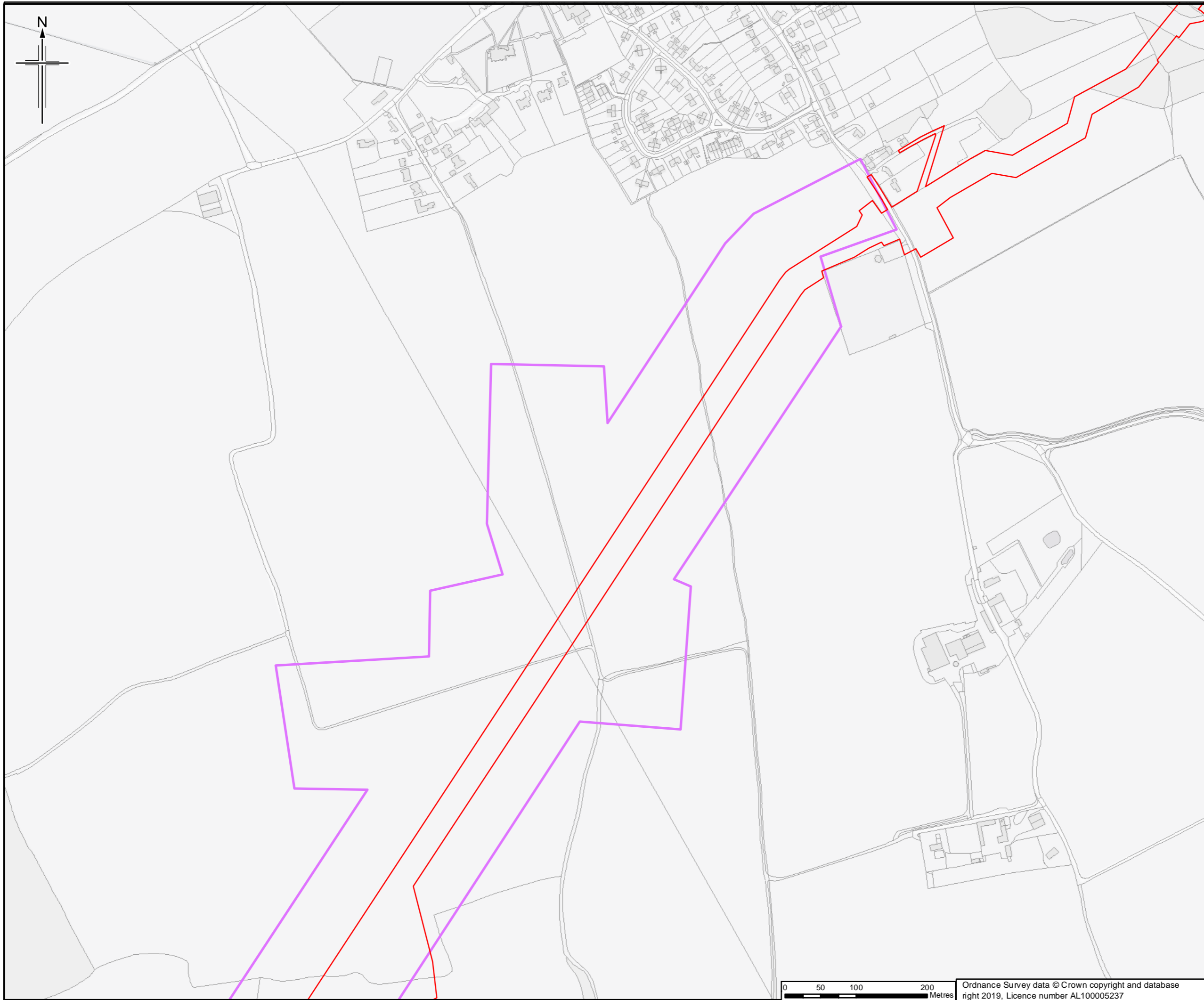
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Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING
 SURVEY OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001420	
Drawing number	Figure A7.1.68 Sheet 2 of 3	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

Sheet displays part of Section C and D

0	5/3/2019	For Issue	JH	NS	DM	SH
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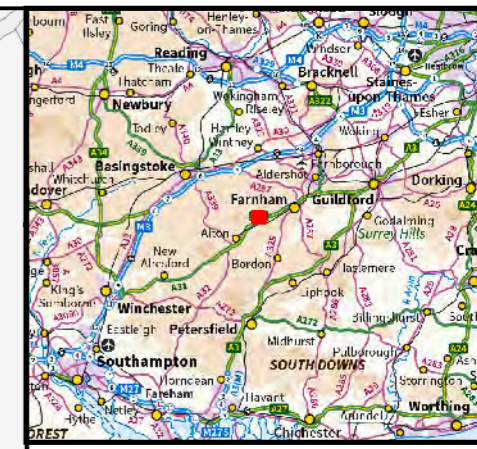
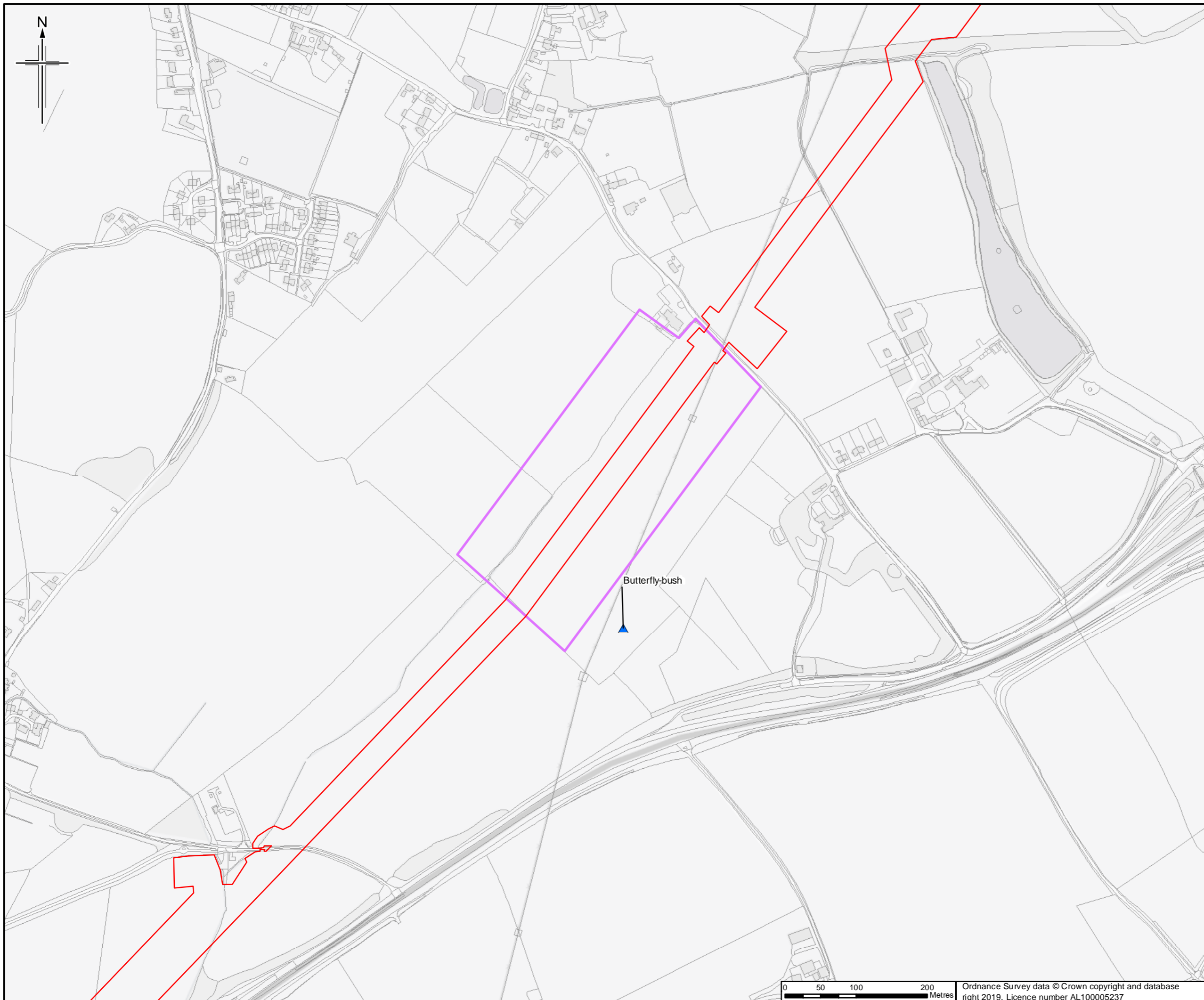
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Drawing title
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NOTABLE PLANTS RECORDED DURING SURVEY OF ARABLE WEEDS
APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.68 Sheet 3 of 3	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive-non native plants**
 - ▲ INNS
 - Schedule 9

Butterfly-bush

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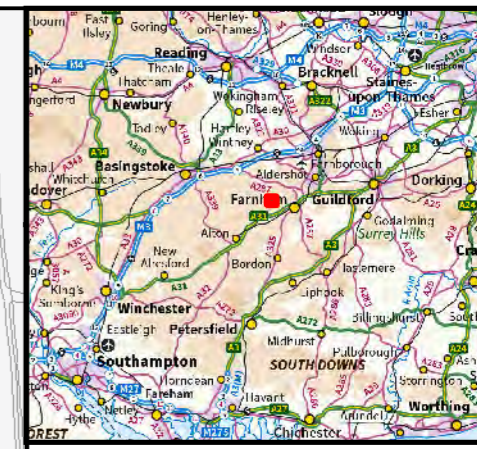
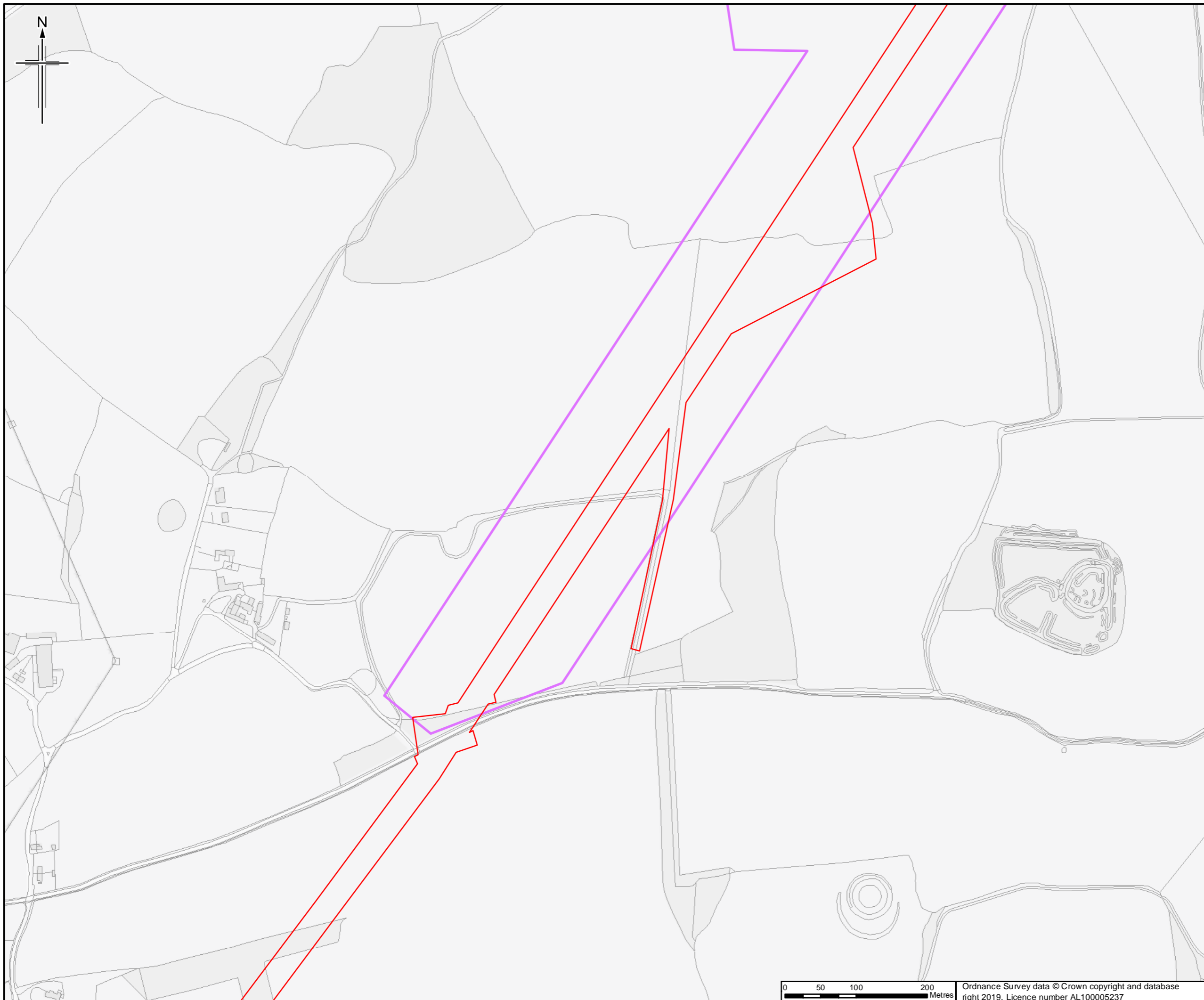
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
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- Legend**
- Order Limits
 - Survey site boundary
- Invasive-non native plants**
- ▲ INNS
 - Schedule 9

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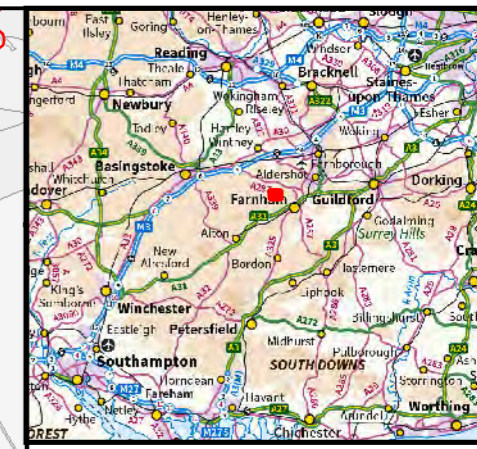
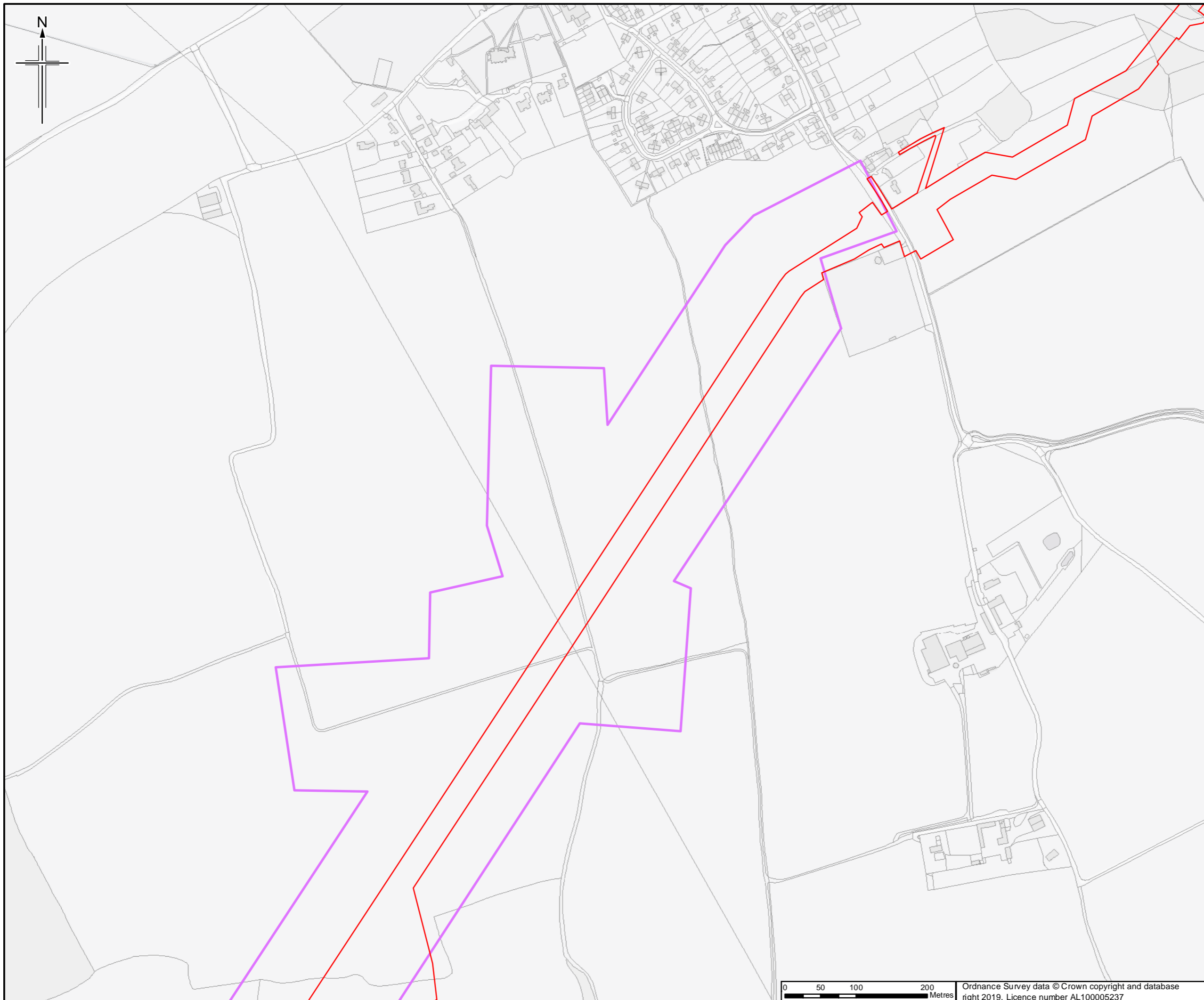
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Pipeline Project

Drawing title
**APPENDIX 7.1 HABITATS AND
BOTANY REPORT
INVASIVE NON-NATIVE PLANTS RECORDED
DURING SURVEY OF ARABLE WEEDS
APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001421	
Drawing number	Figure A7.1.69 Sheet 2 of 3	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Invasive-non native plants**
- ▲ INNS
 - Schedule 9

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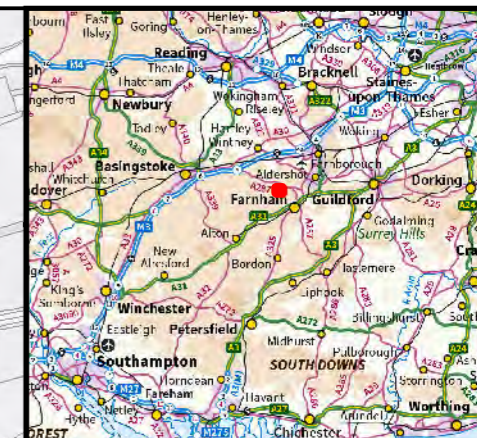
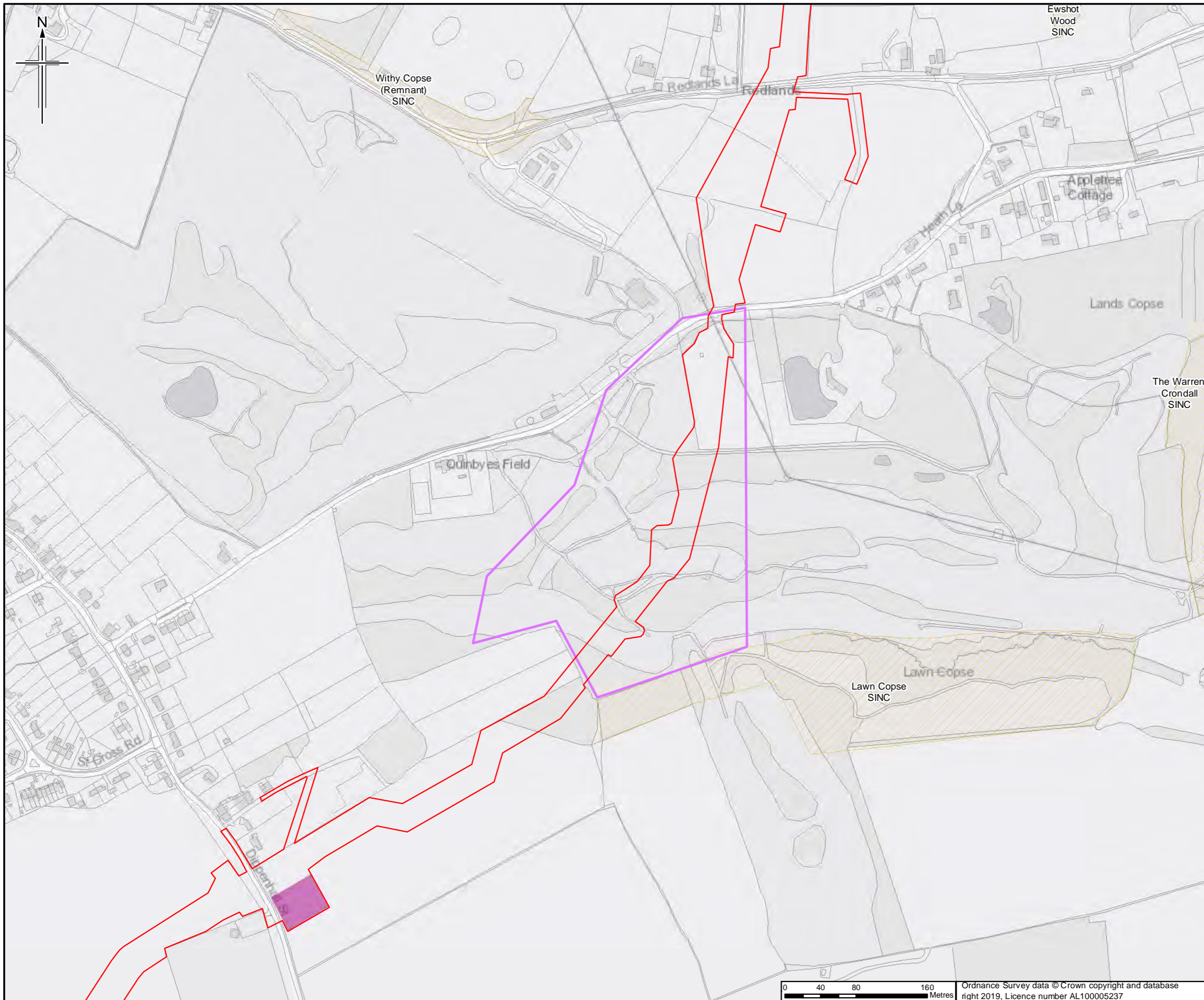
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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF ARABLE WEEDS
 APFP Reg. (2009) 5(2)(l)

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- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

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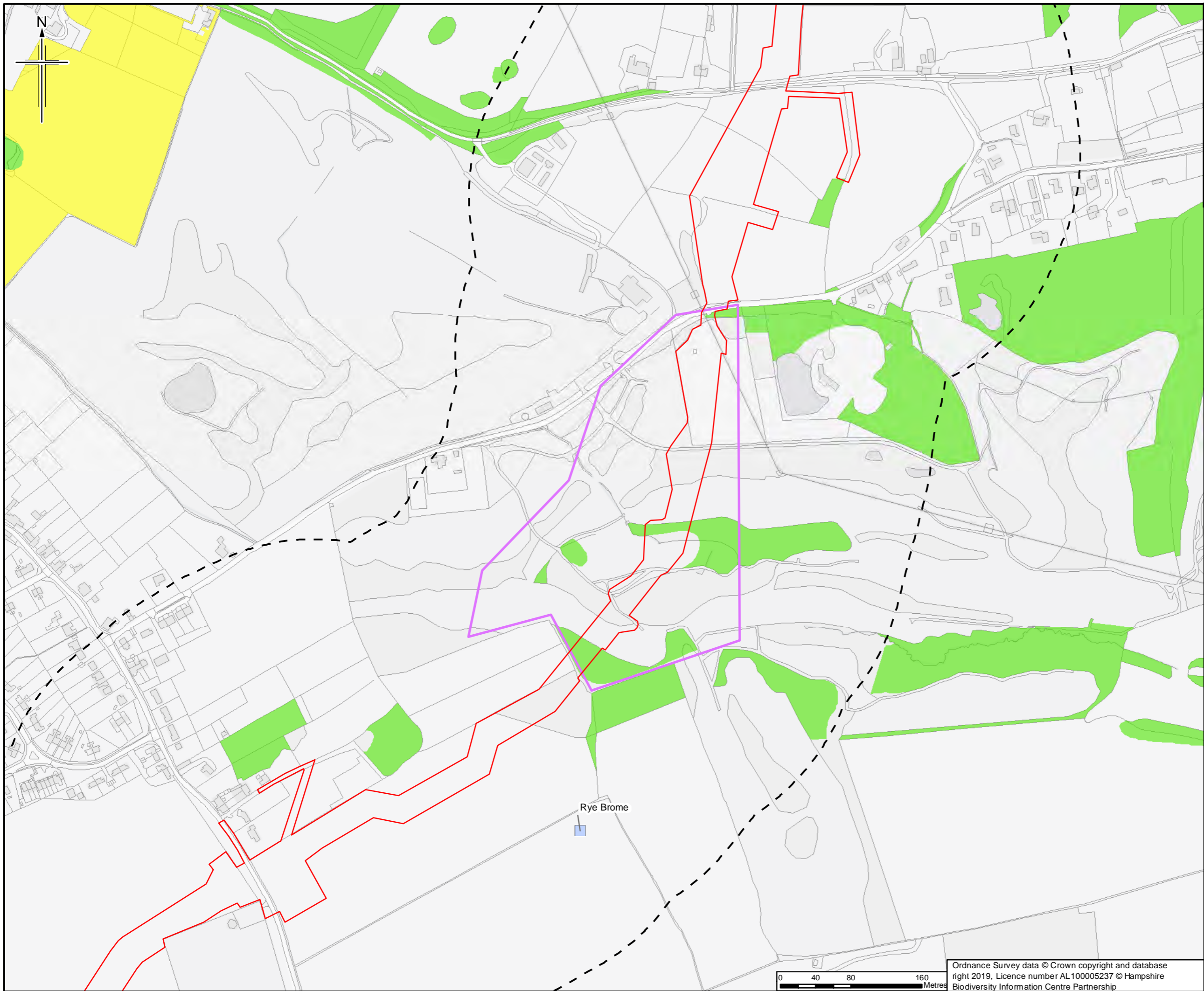
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 OAK PARK GOLF CLUB
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001422	
Drawing number	Figure A7.1.70 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Mixed Deciduous Woodland

Sheet displays part of Section C and D

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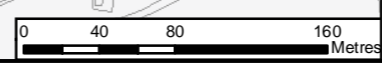
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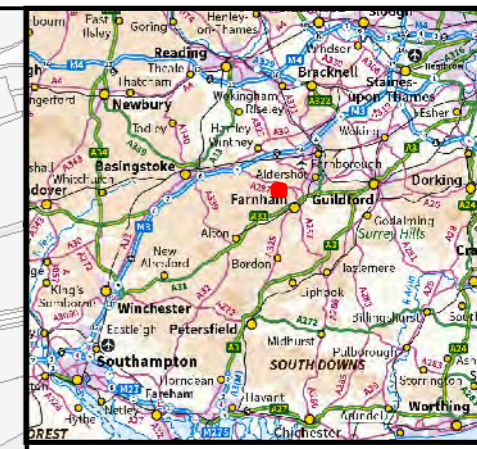
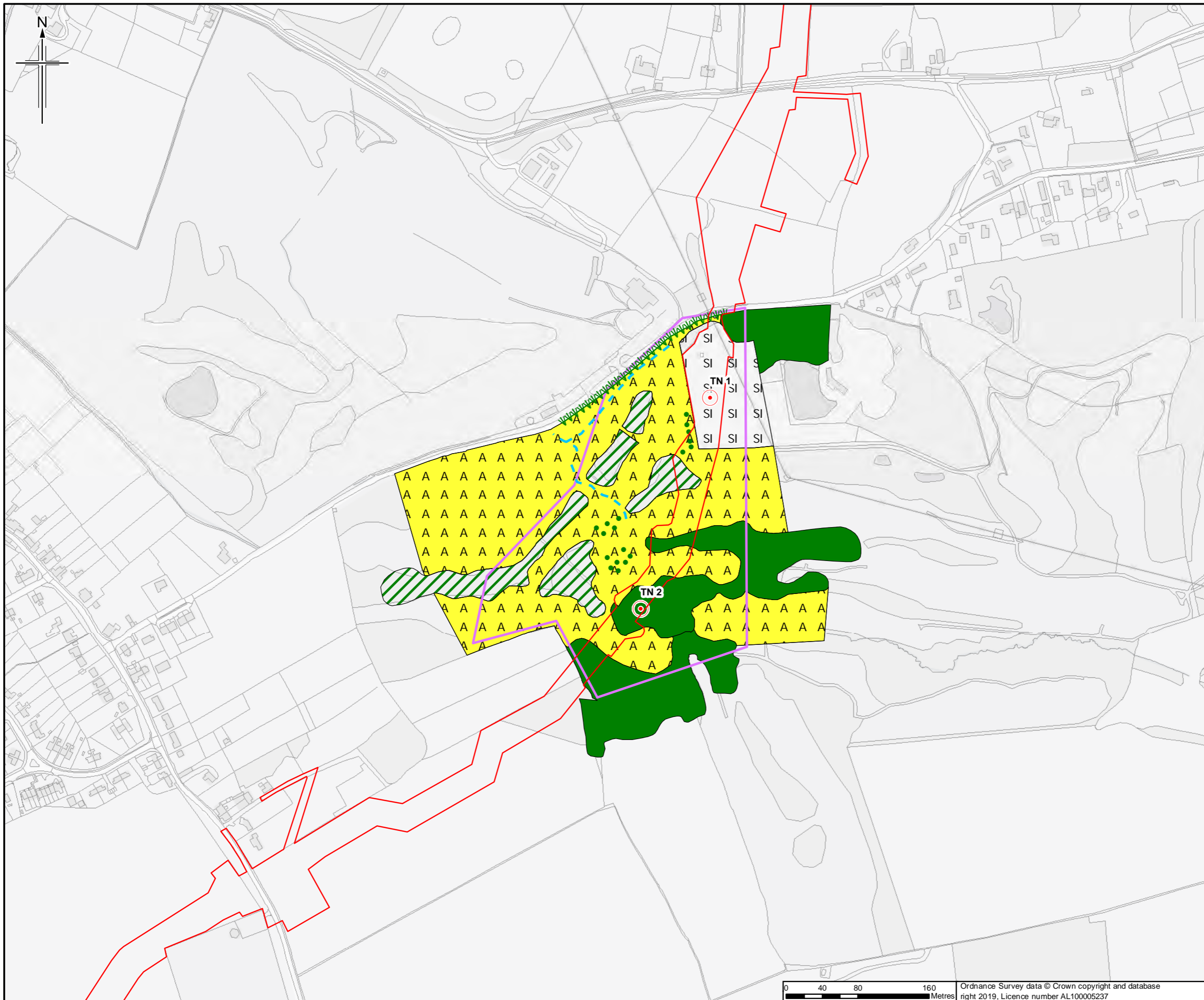
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BACKGROUND HABITAT AND BOTANICAL RECORDS FOR OAK PARK GOLF CLUB
 APFP Reg. (2009) 5(2)(l)

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Legend
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 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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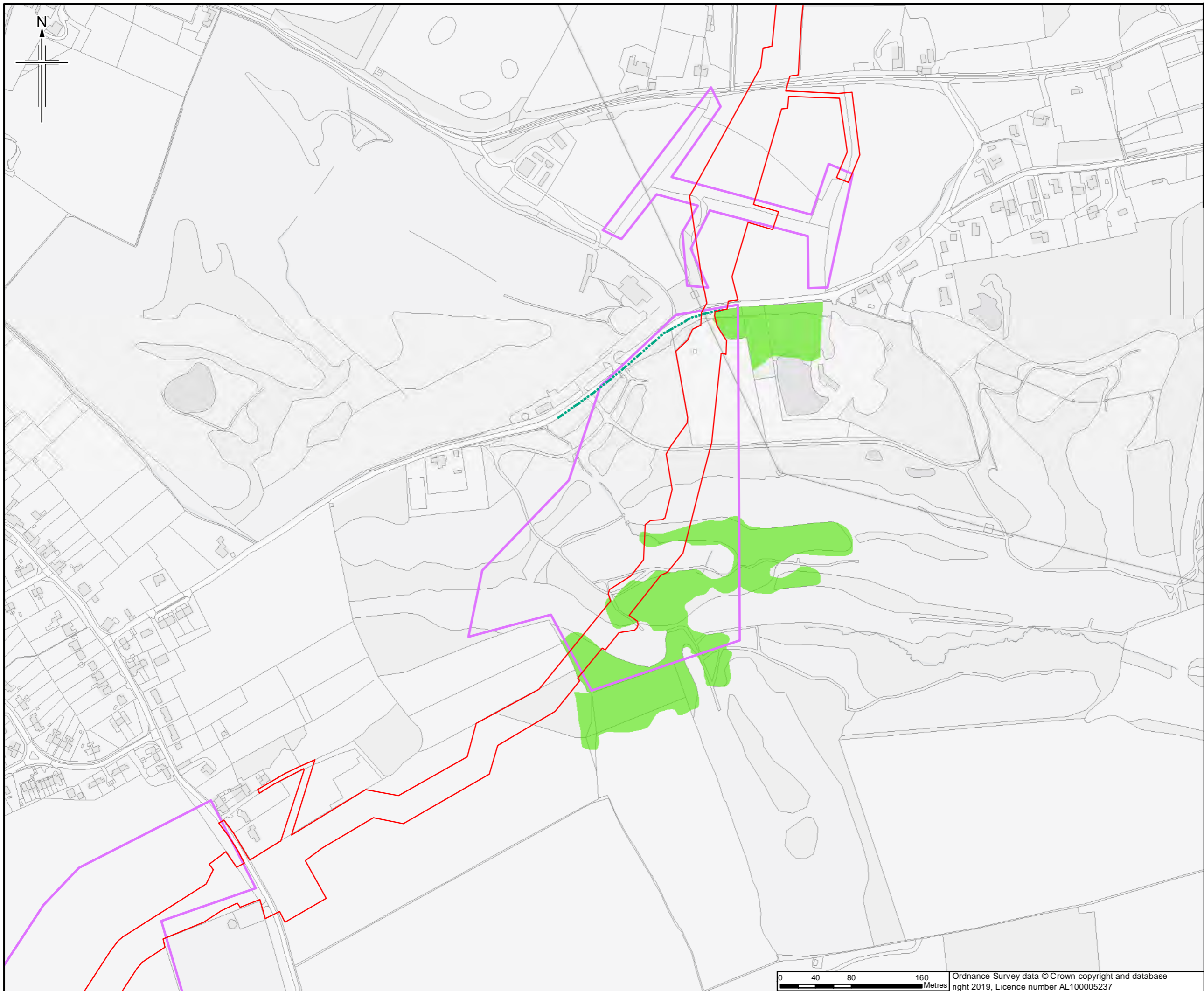
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 PHASE 1 HABITAT PLAN OF
 OAK PARK GOLF CLUB
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.72 Sheet 1 of 1	Rev 0



- Legend**
- ▭ Order Limits
 - ▭ Survey site boundary
- Priority Habitat**
- ▭ Lowland Mixed Deciduous Woodland
 - Hedgerows

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Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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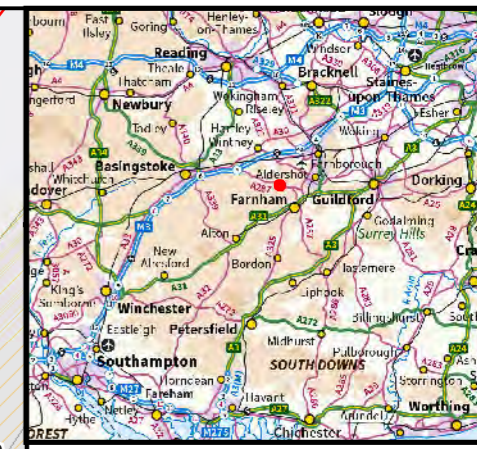
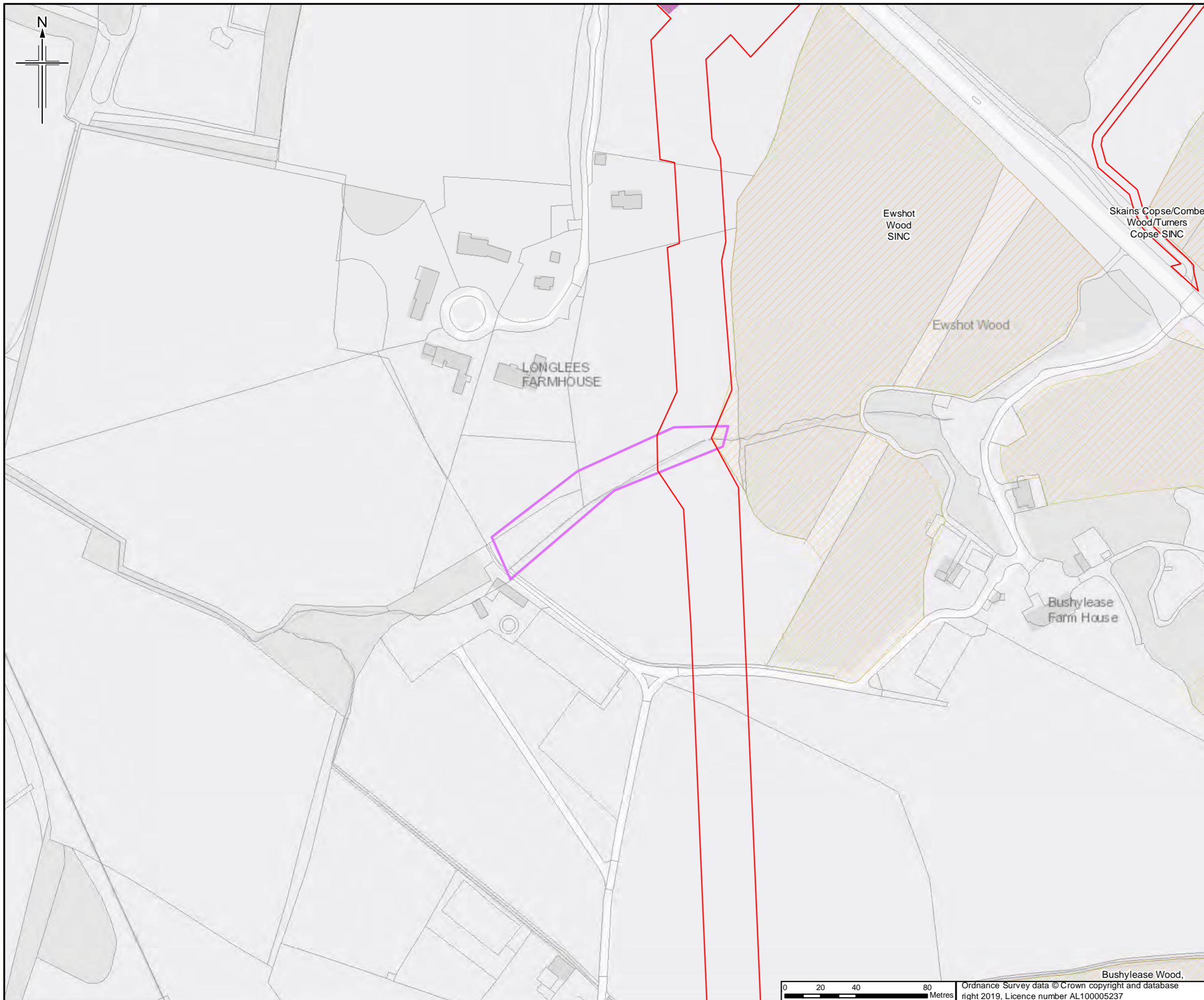
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 PRIORITY HABITAT PLAN OF
 OAK PARK GOLF CLUB
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.73 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

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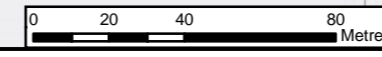
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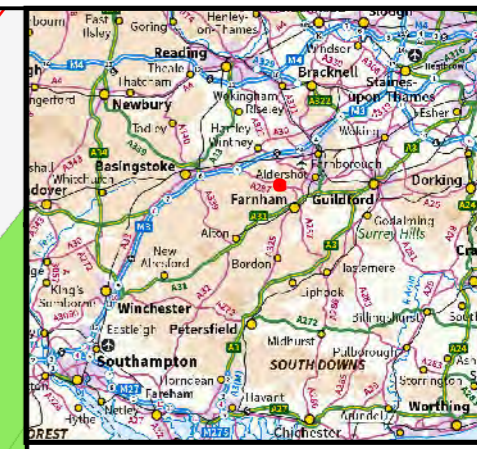
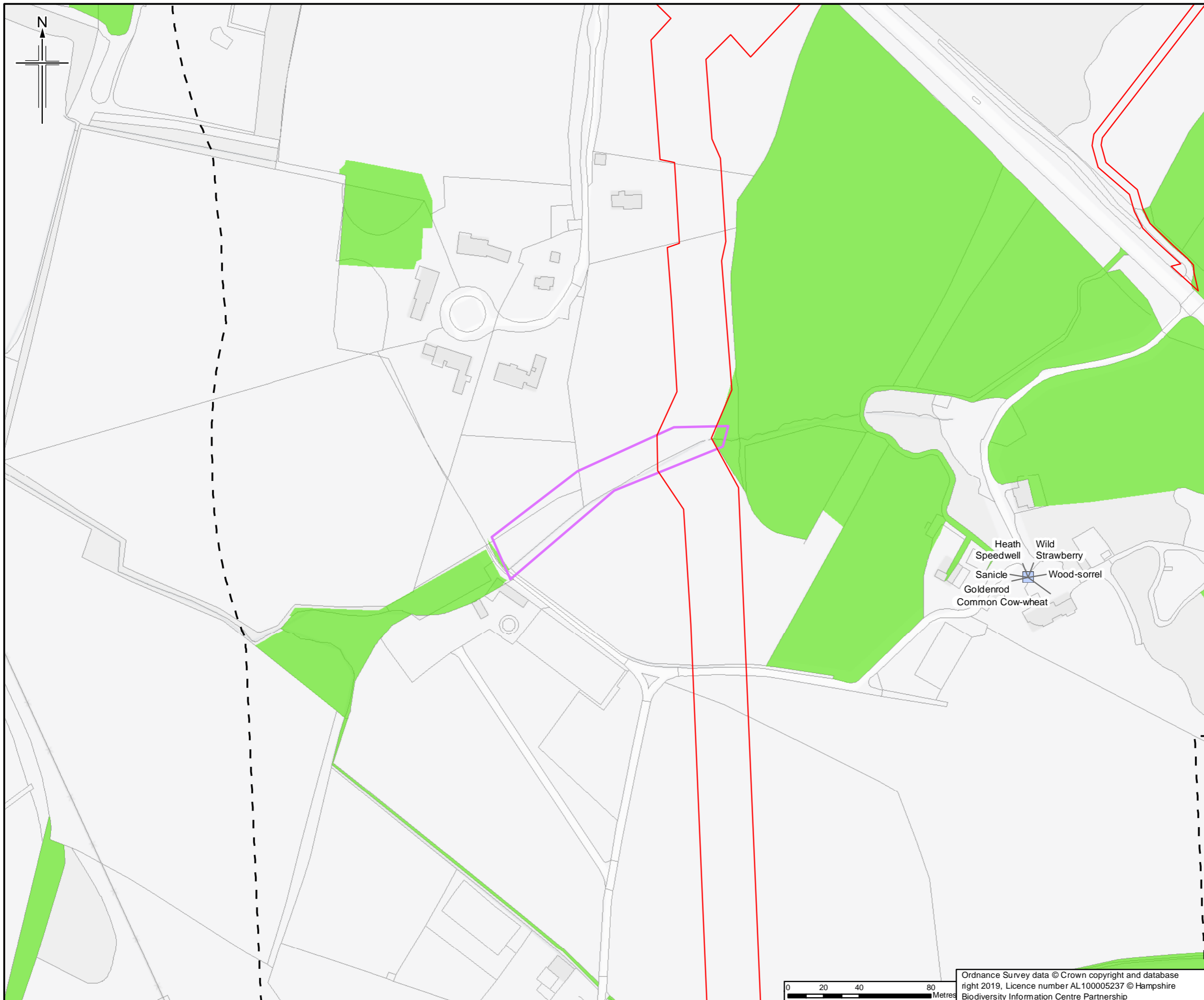
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 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 SITE PLAN OF
 EWSHOT HEDGEROW
 APFP Reg. (2009) 5(2)(l)

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

Heath Speedwell
 Wild Strawberry
 Sanicle
 Wood-sorrel
 Goldenrod
 Common Cow-wheat

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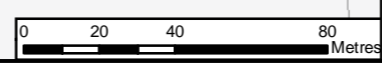


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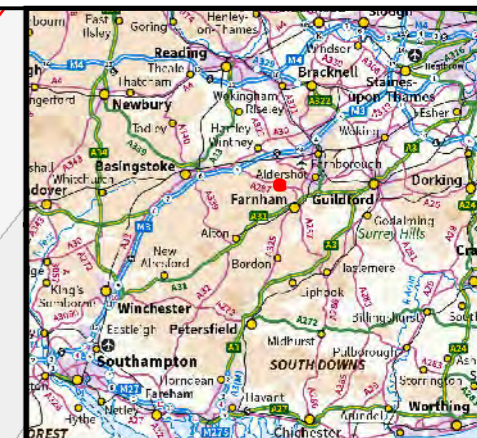
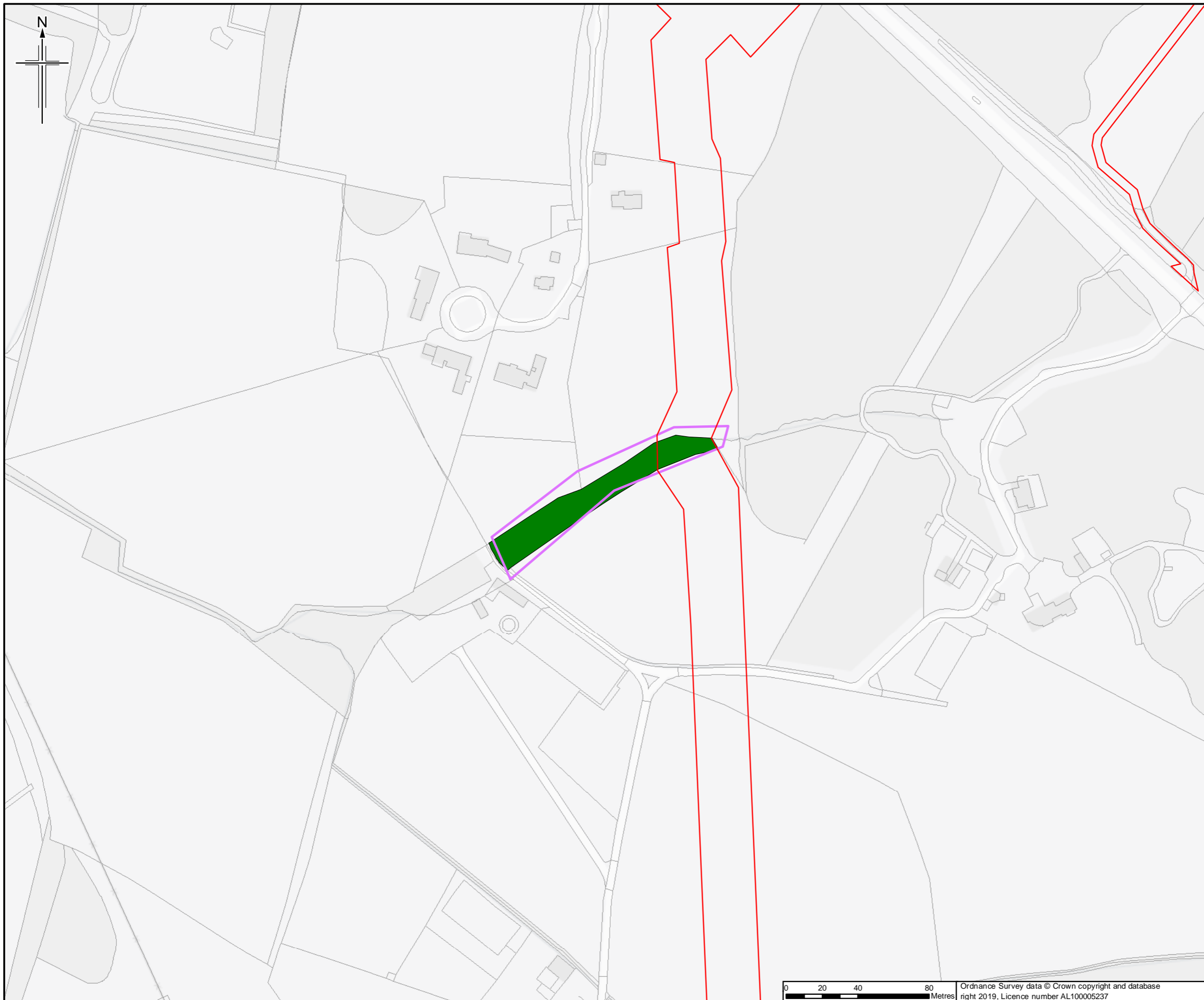
Drawing title APPENDIX 7.1 HABITATS AND BOTANY REPORT
 BACKGROUND HABITAT AND BOTANICAL RECORDS FOR EWSHOT HEDGEROW

APFP Reg. (2009) 5(2)(l)
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Legend
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 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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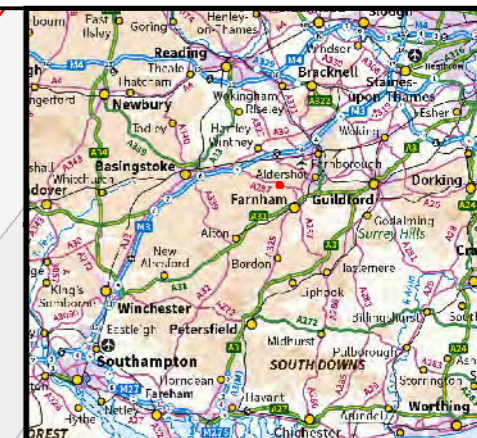
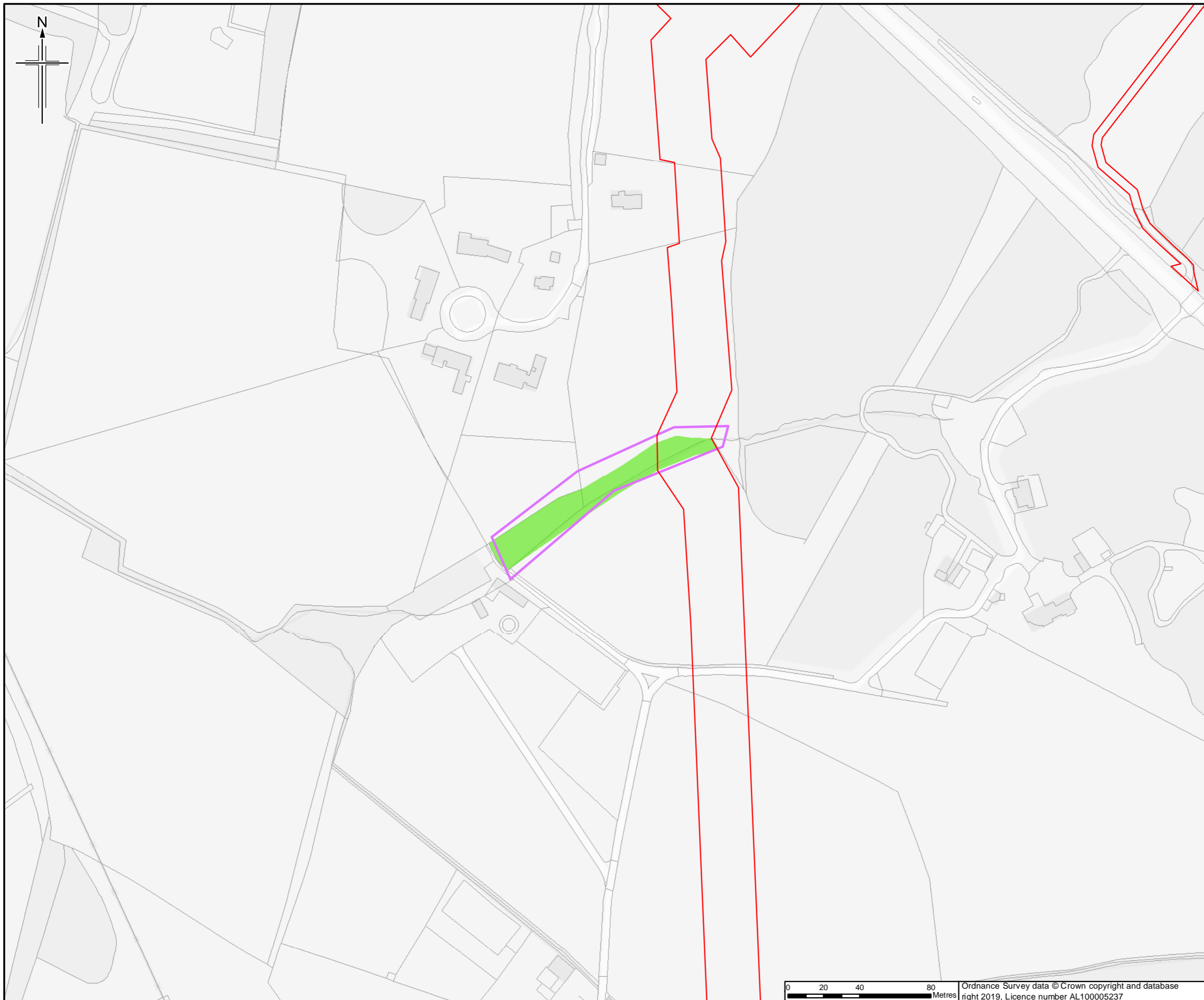


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 PHASE 1 HABITAT PLAN OF
 EWSHOT HEDGEROW
 APFP Reg. (2009) 5(2)(l)

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Drawing number	Figure A7.1.76 Sheet 1 of 1	Rev 0



- Legend**
- ▭ Order Limits
 - ▭ Survey site boundary
- Priority Habitat**
- ▭ Lowland Mixed Deciduous Woodland

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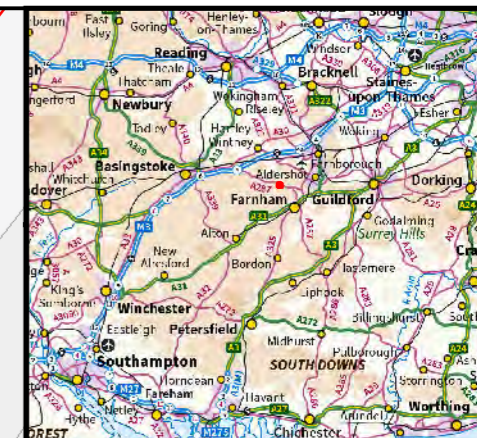
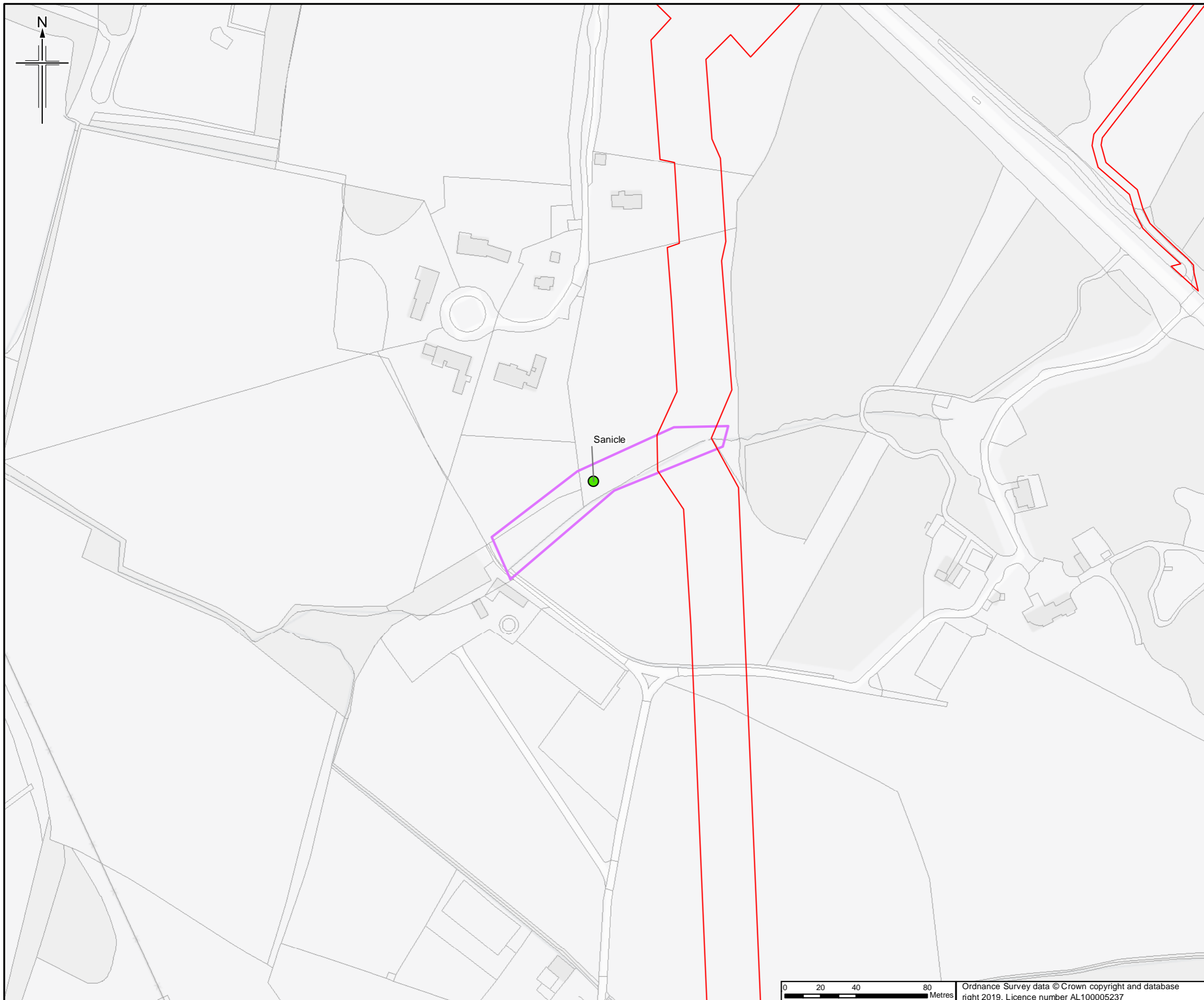
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Drawing title
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 PRIORITY HABITAT PLAN OF
 EWSHOT HEDGEROW
 APFP Reg. (2009) 5(2)(i)

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- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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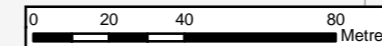
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 NOTABLE PLANTS RECORDED DURING SURVEY OF EWSHOT HEDGEROW

APFP Reg. (2009) 5(2)(l)

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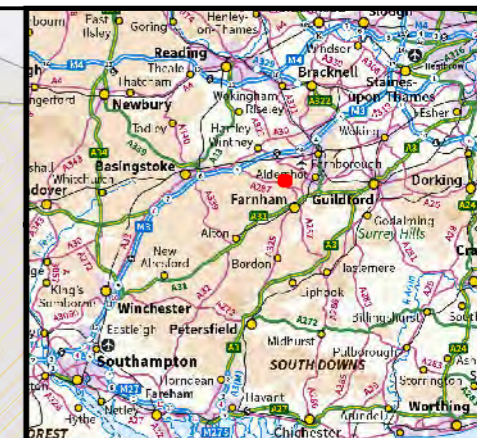
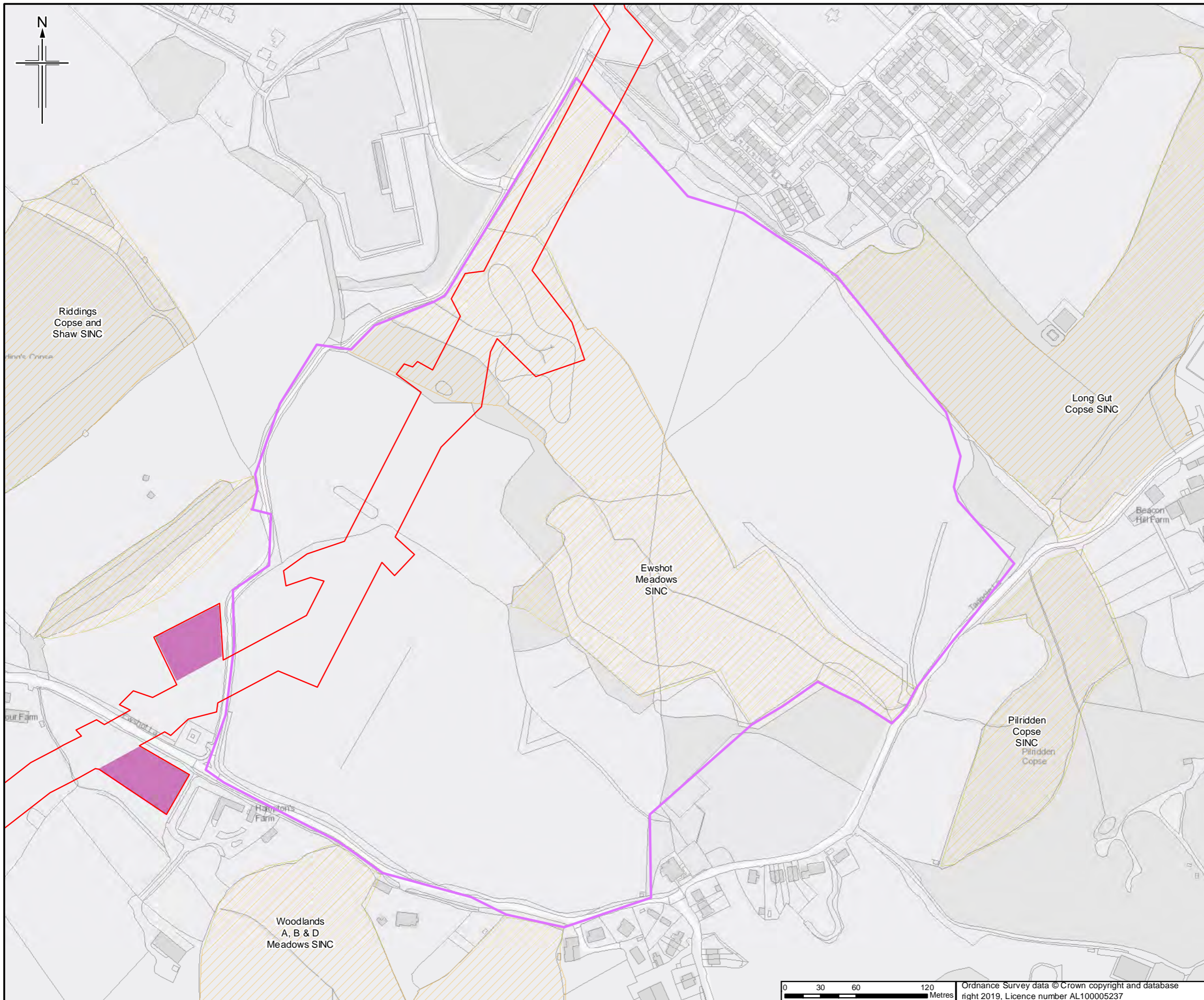
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- Legend**
- Order Limits
 - Construction compound
 - SINC/SNCI
 - Survey site boundary

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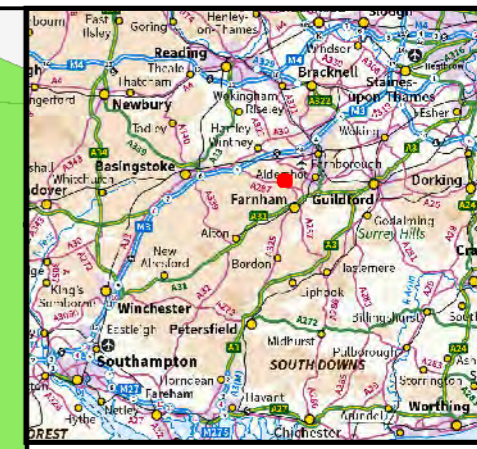
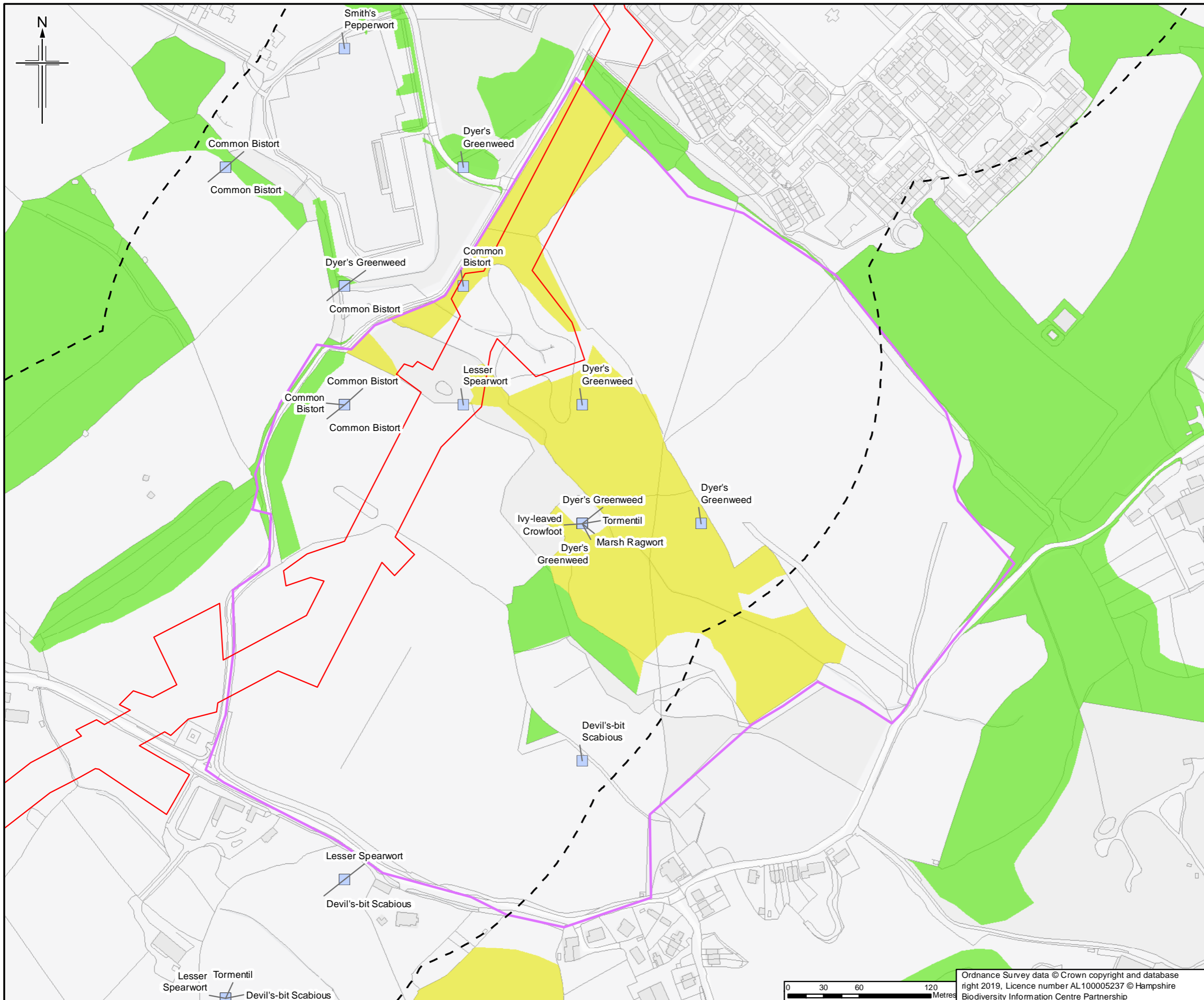
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 SITE PLAN OF
 EWSHOT MEADOWS
 APFP Reg. (2009) 5(2)(l)**

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Drawing number	Figure A7.1.79 Sheet 1 of 1	Rev 0



Legend

- Order Limits
- Order Limits 250m buffer
- Survey site boundary
- Notable plants (recorded to at least 100m precision)

Priority Habitat (Hampshire Biodiversity Information Centre)

- Lowland Meadows
- Lowland Mixed Deciduous Woodland

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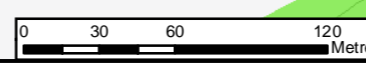
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BACKGROUND HABITAT AND BOTANICAL RECORDS FOR EWSHOT MEADOWS

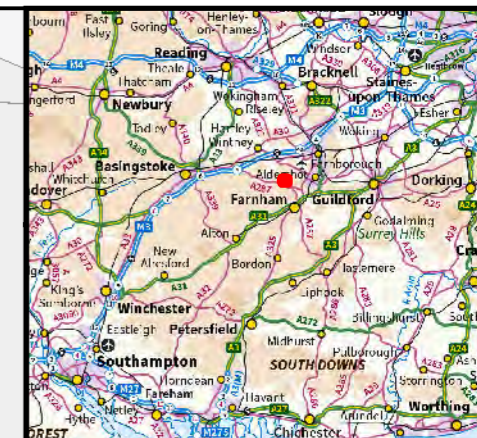
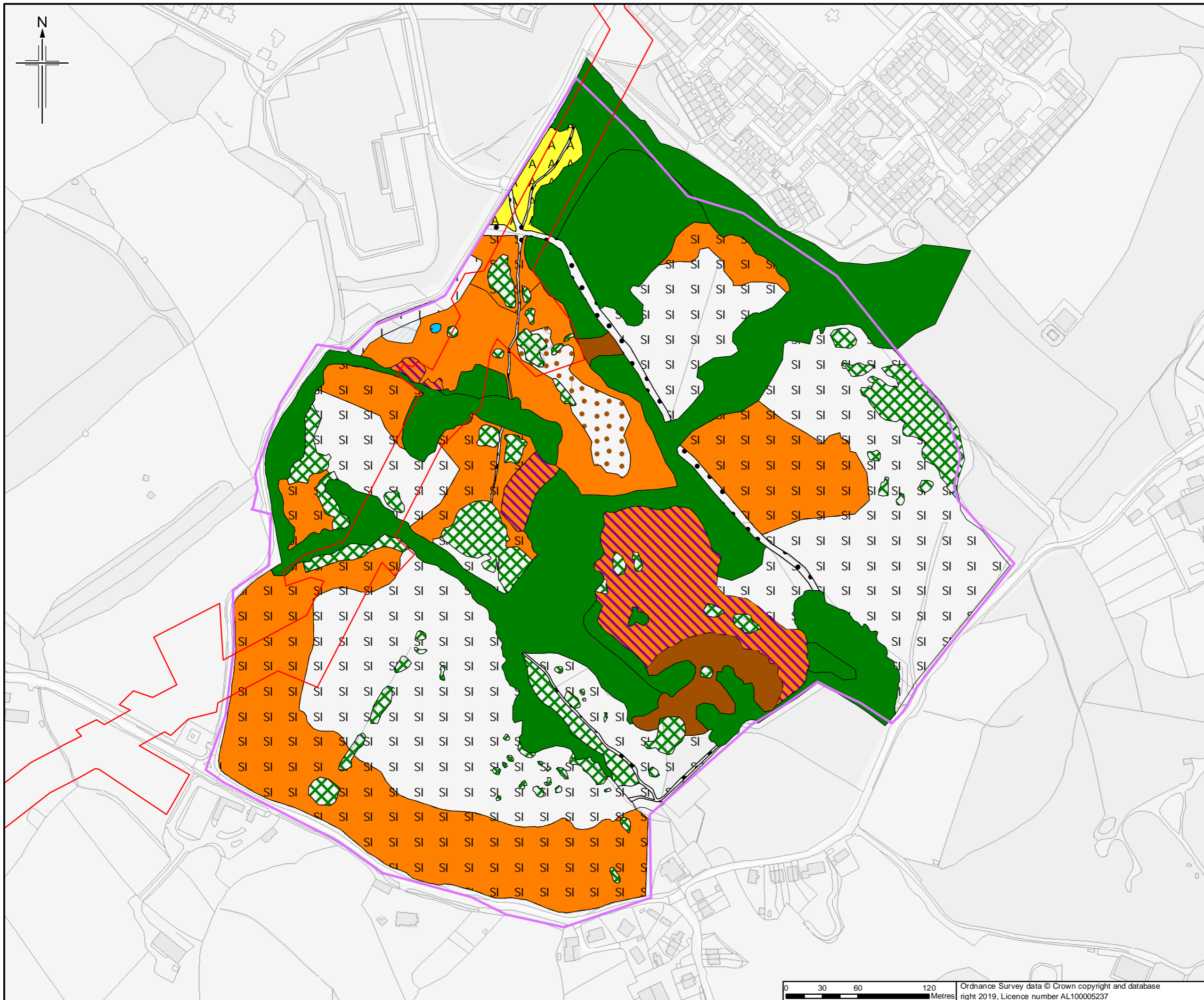
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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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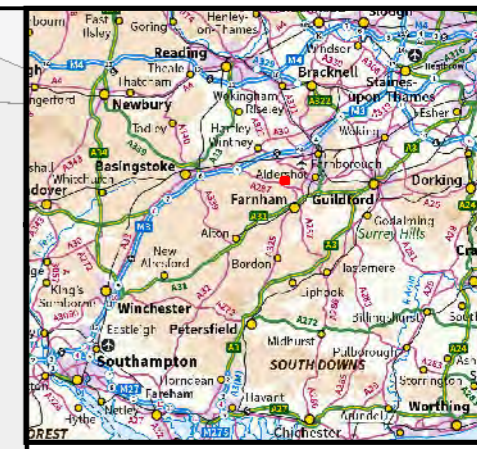
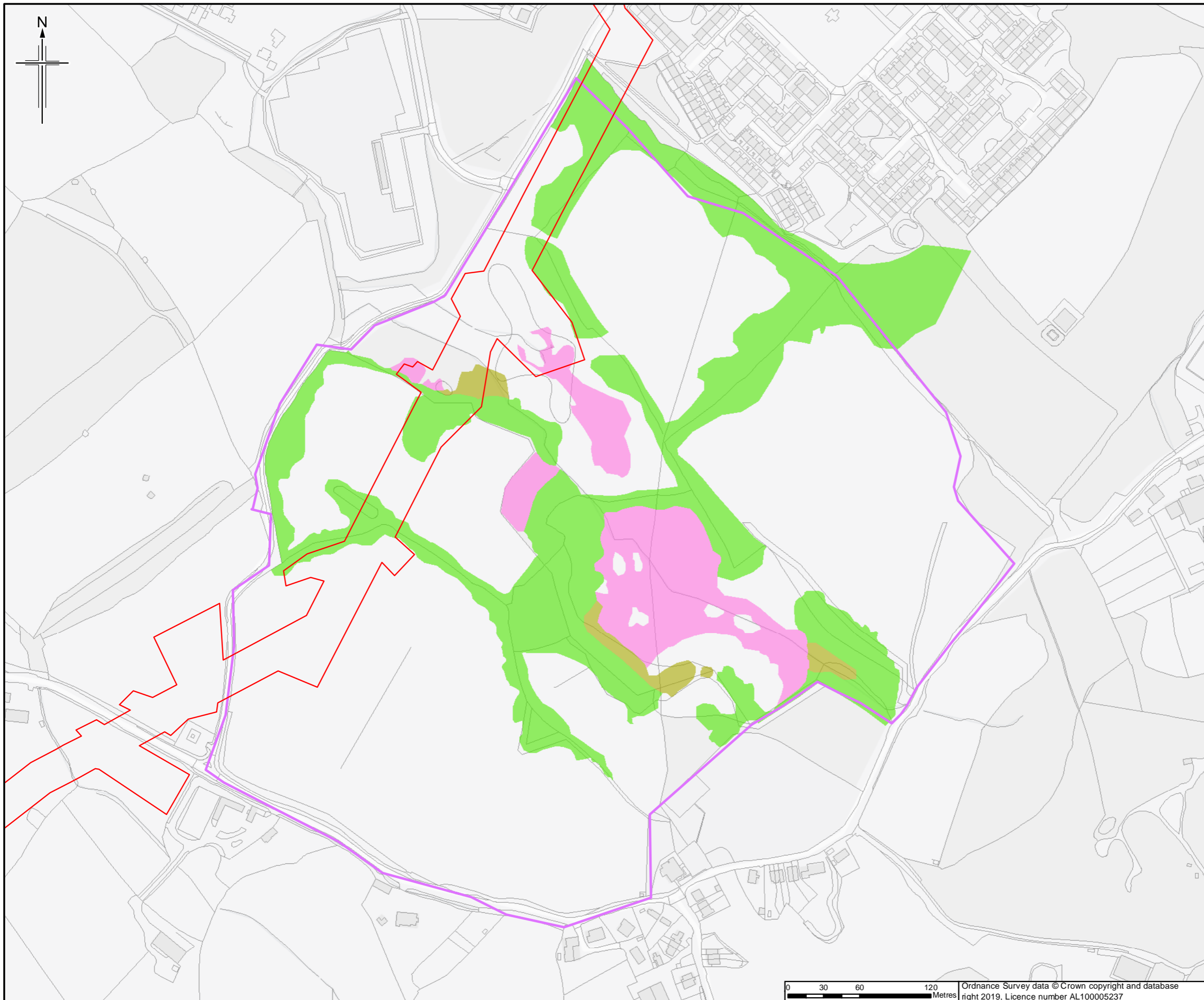
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF
 EWSHOT MEADOWS
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
Scale	1:3,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001433	
Drawing number	Figure A7.1.81 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Mixed Deciduous Woodland
 - Purple Moor-grass and Rush Pastures
 - Wet Woodland

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Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checkd	Rev'd	Apprv'd
0	4/04/2019	For Issue		JH	NS	DM SH

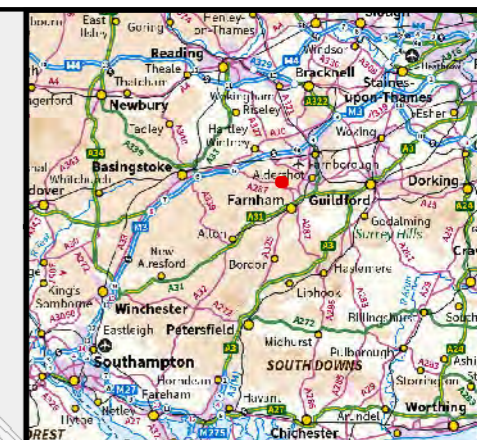
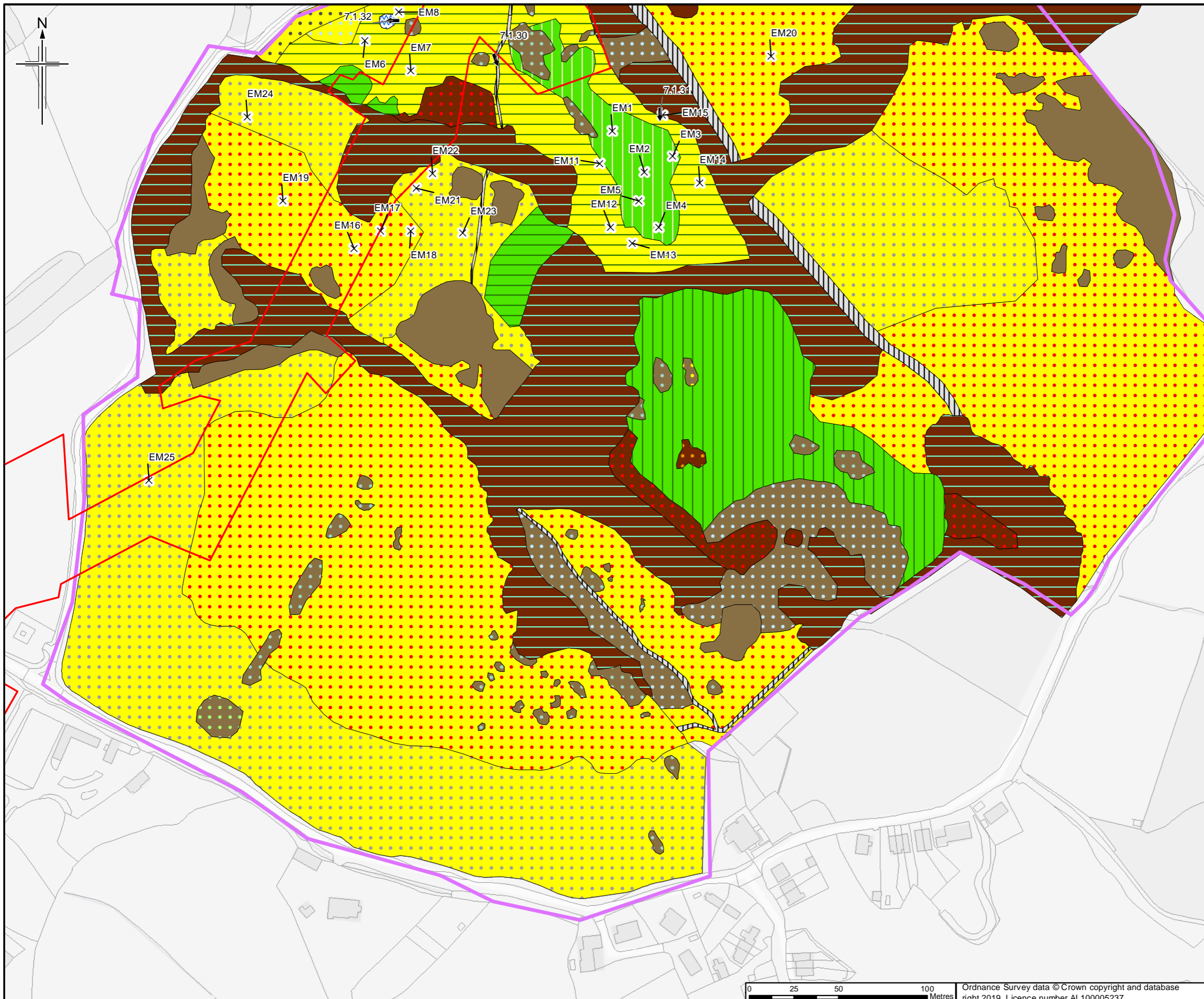
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 EWSHOT MEADOWS
 APFP Reg. (2009) 5(2)(l)**

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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001434	
Drawing number	Figure A7.1.82 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Photograph and direction
 - × Quadrat
- For Vegetation Plan Legend please see Figure A7.1.196**

Full NVC plant community names are provided in Annex G
 Sheet displays part of Section D

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
0	30/4/2019	For Issue	JH	NS	DM	SH

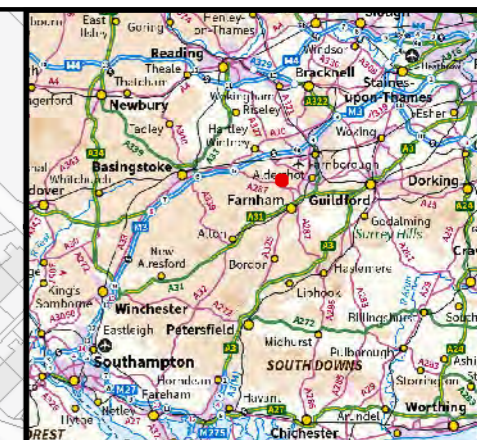
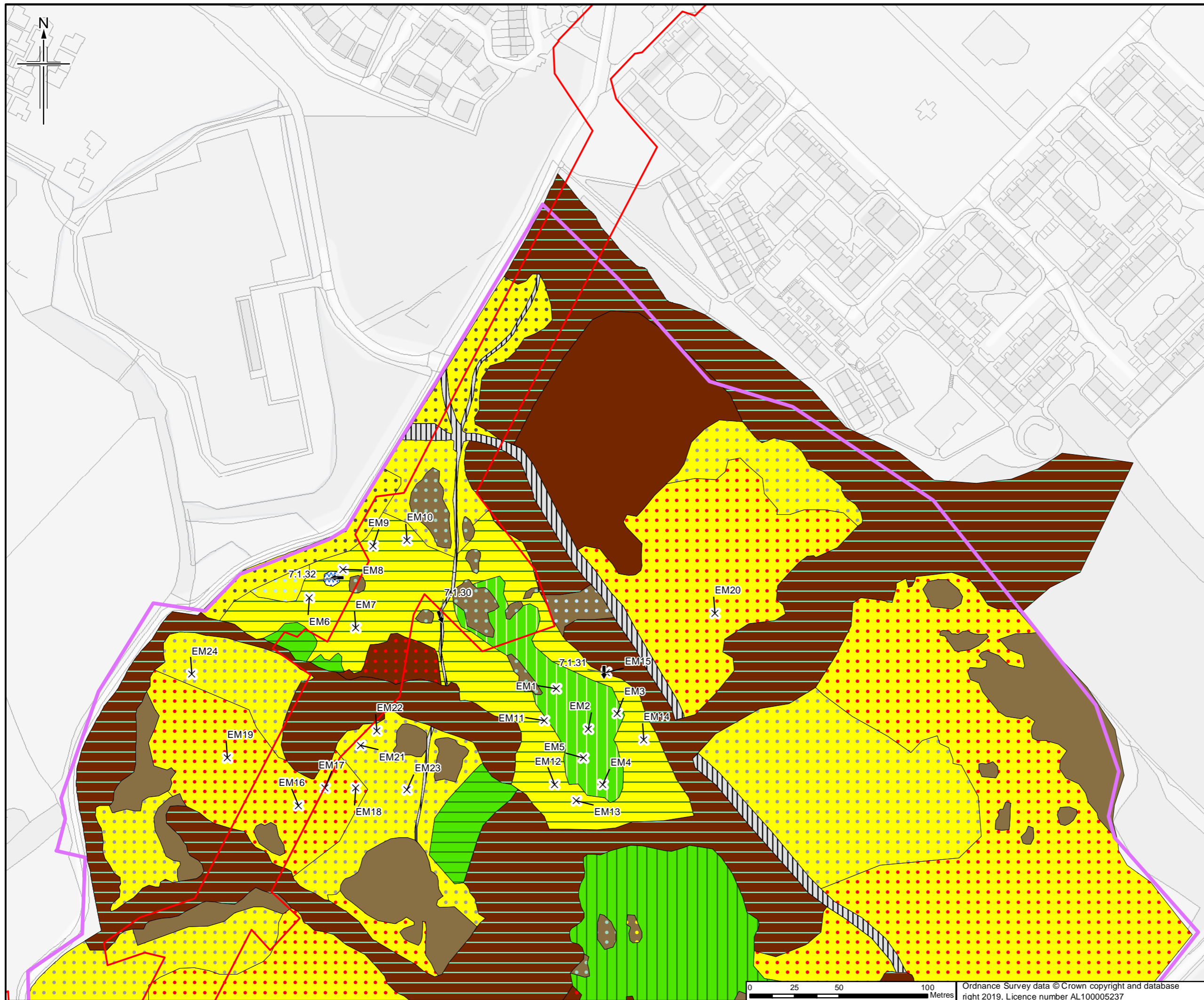
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF
 EWSHOT MEADOWS
 APFP Reg. (2009) 5(2)(l)**

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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001435	
Drawing number	Figure A7.1.83 Sheet 1 of 2	Rev 0



Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- x Quadrat

**For Vegetation Plan
Legend please see Figure
A7.1.196**

Full NVC plant community names are provided in Annex G

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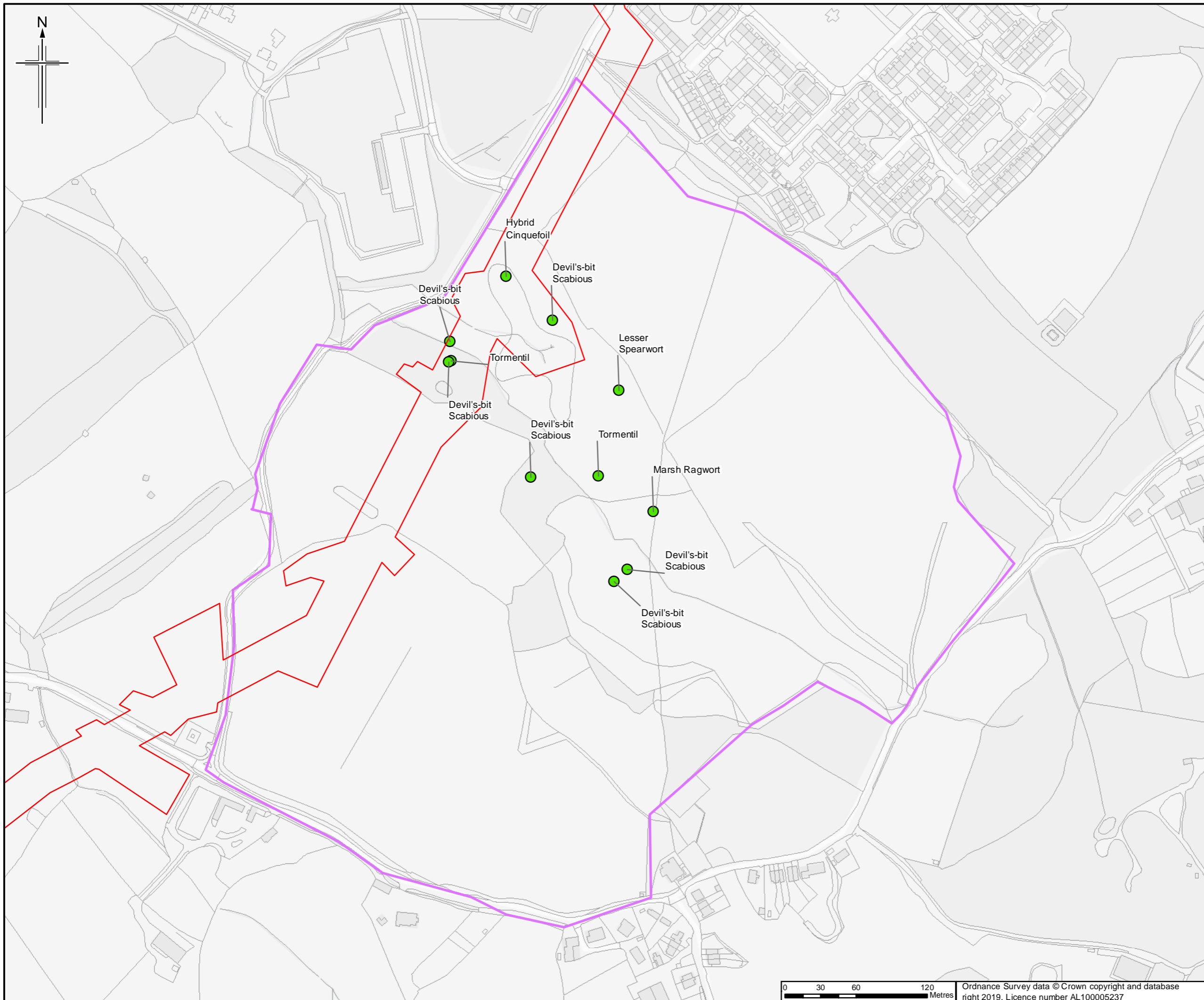


Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
VEGETATION PLAN OF
EWSHOT MEADOWS
APFP Reg. (2009) 5(2)(l)**

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- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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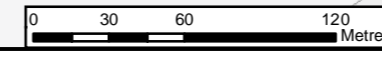
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF EWSHOT MEADOWS**

APFP Reg. (2009) 5(2)(l)
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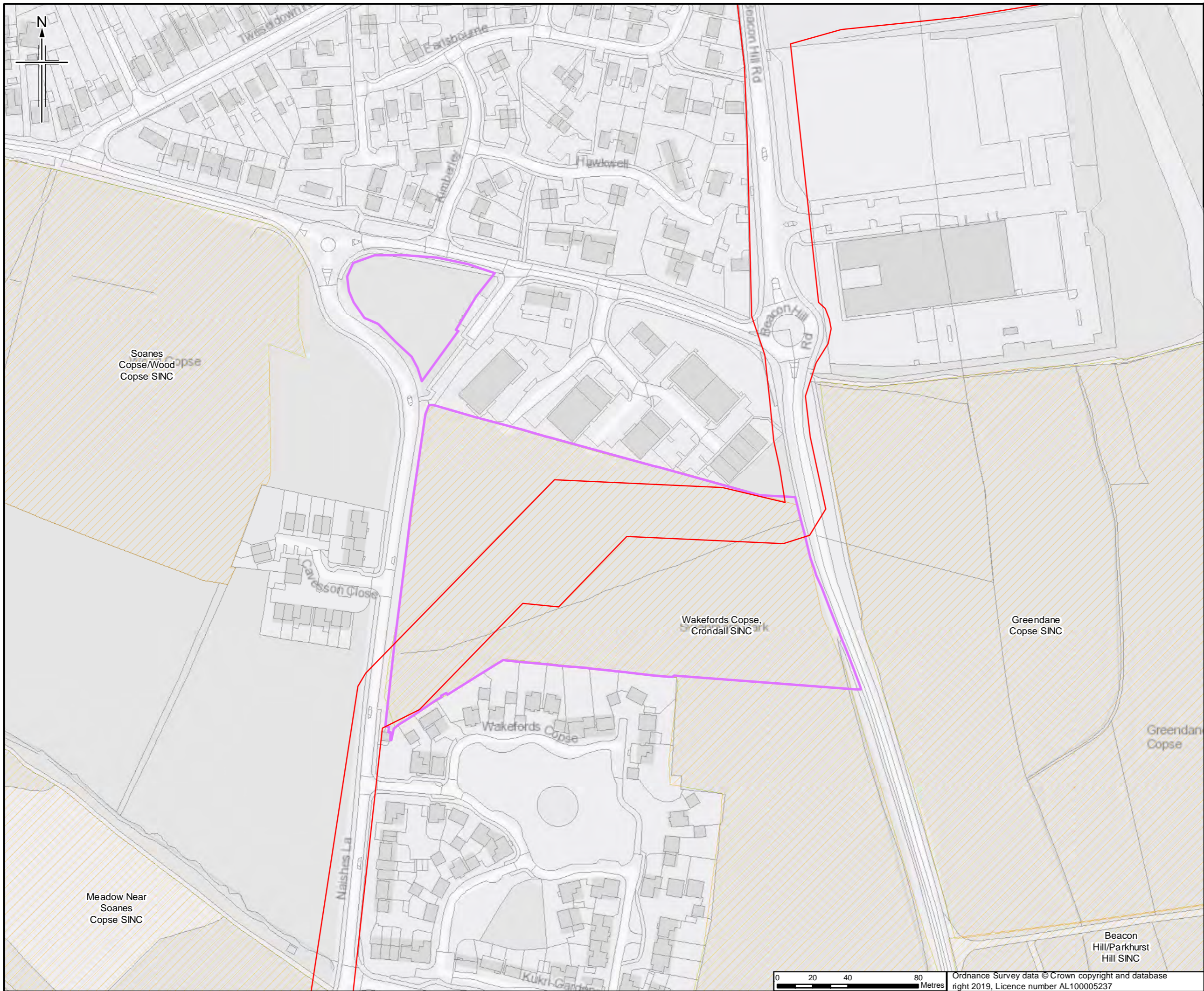
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- Legend**
- Order Limits
 - SINC/SNCI
 - Survey site boundary

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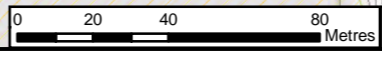
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 WAKEFORDS COPSE
 APFP Reg. (2009) 5(2)(l)**

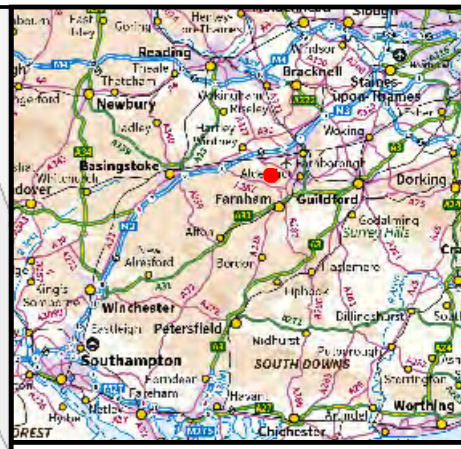
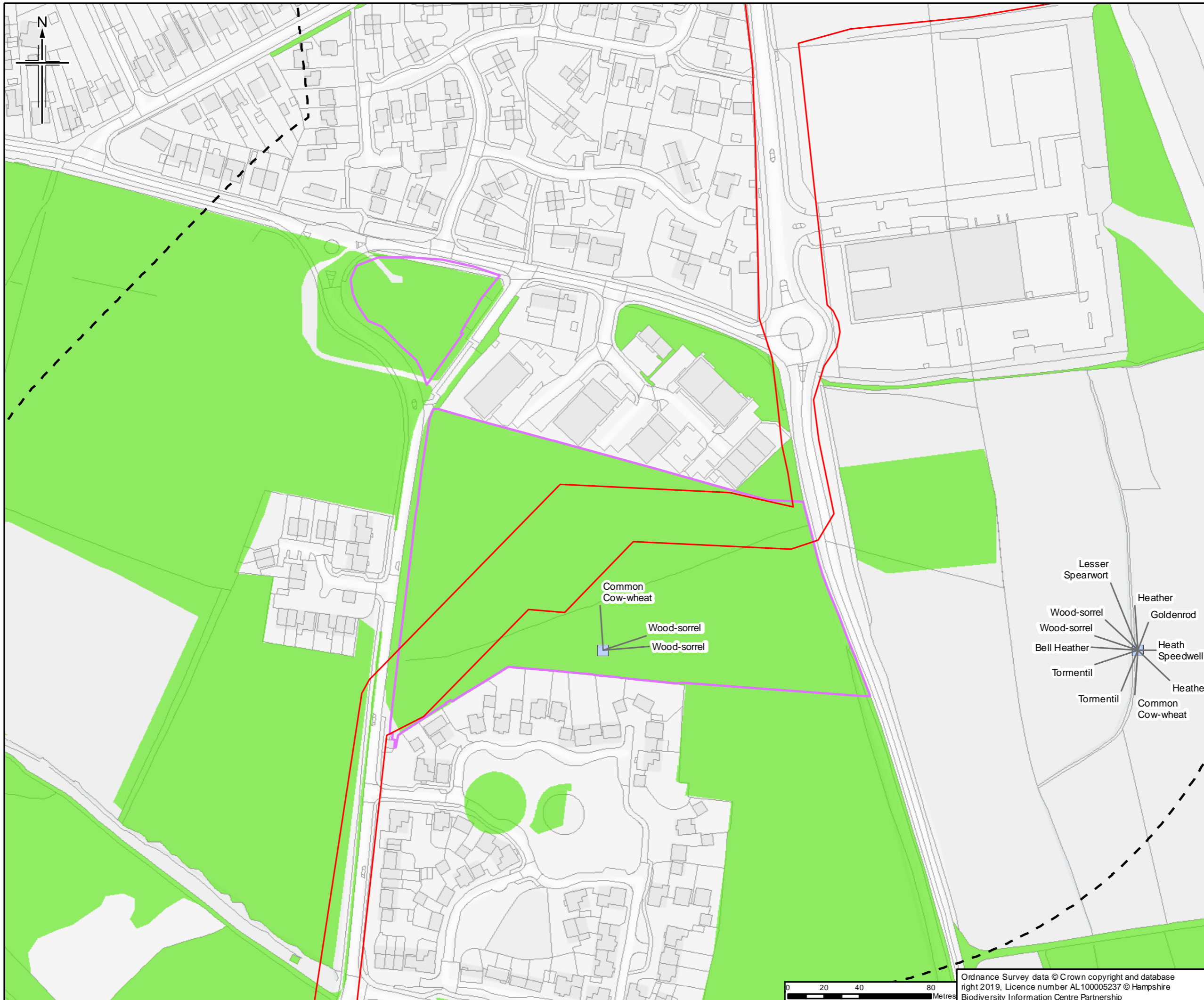
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Beacon Hill/Parkhurst Hill SINC



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Mixed Deciduous Woodland

- Lesser Spearwort
- Wood-sorrel
- Wood-sorrel
- Bell Heather
- Tormentil
- Tormentil
- Heather
- Goldenrod
- Heath Speedwell
- Heather
- Common Cow-wheat

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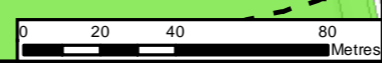
Project
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Drawing title APPENDIX 7.1 HABITATS AND BOTANY REPORT
 BACKGROUND HABITAT AND BOTANICAL RECORDS FOR WAKEFORDS COPSE

APFP Reg. (2009) 5(2)(l)

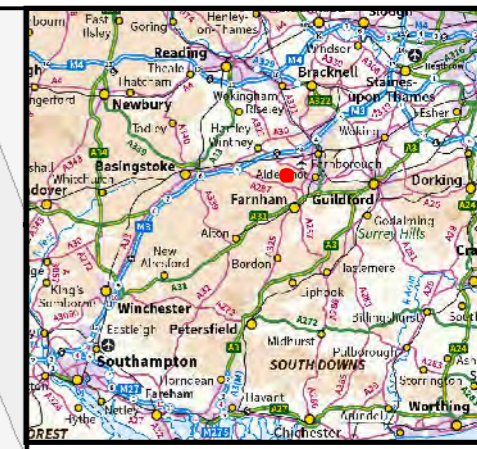
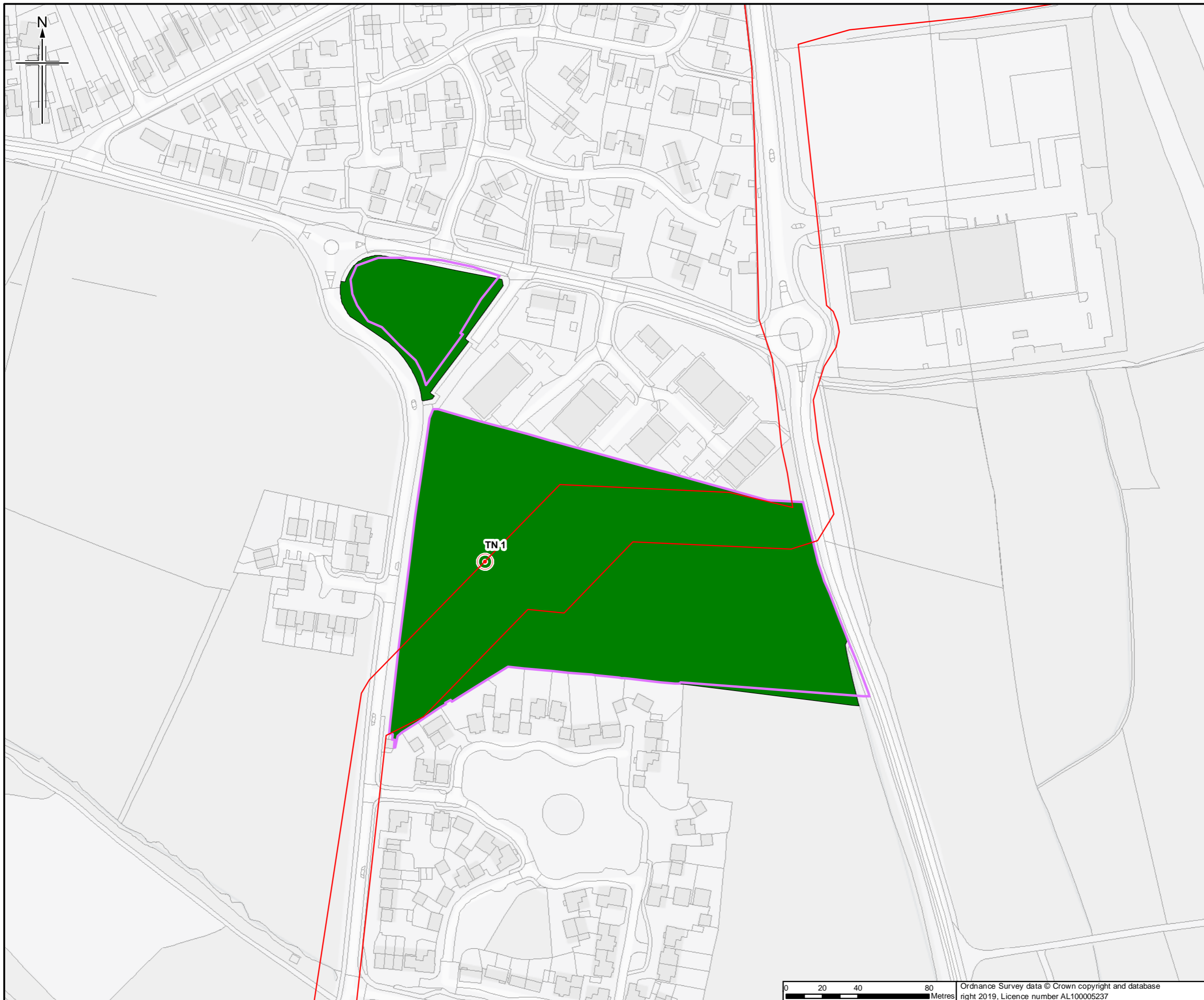
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 Drawing number **Figure A7.1.86 Sheet 1 of 1** Rev **0**



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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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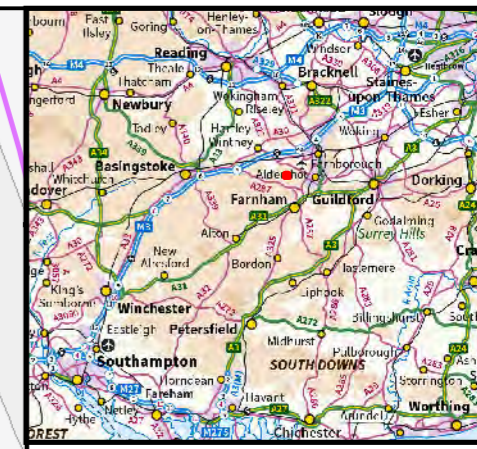
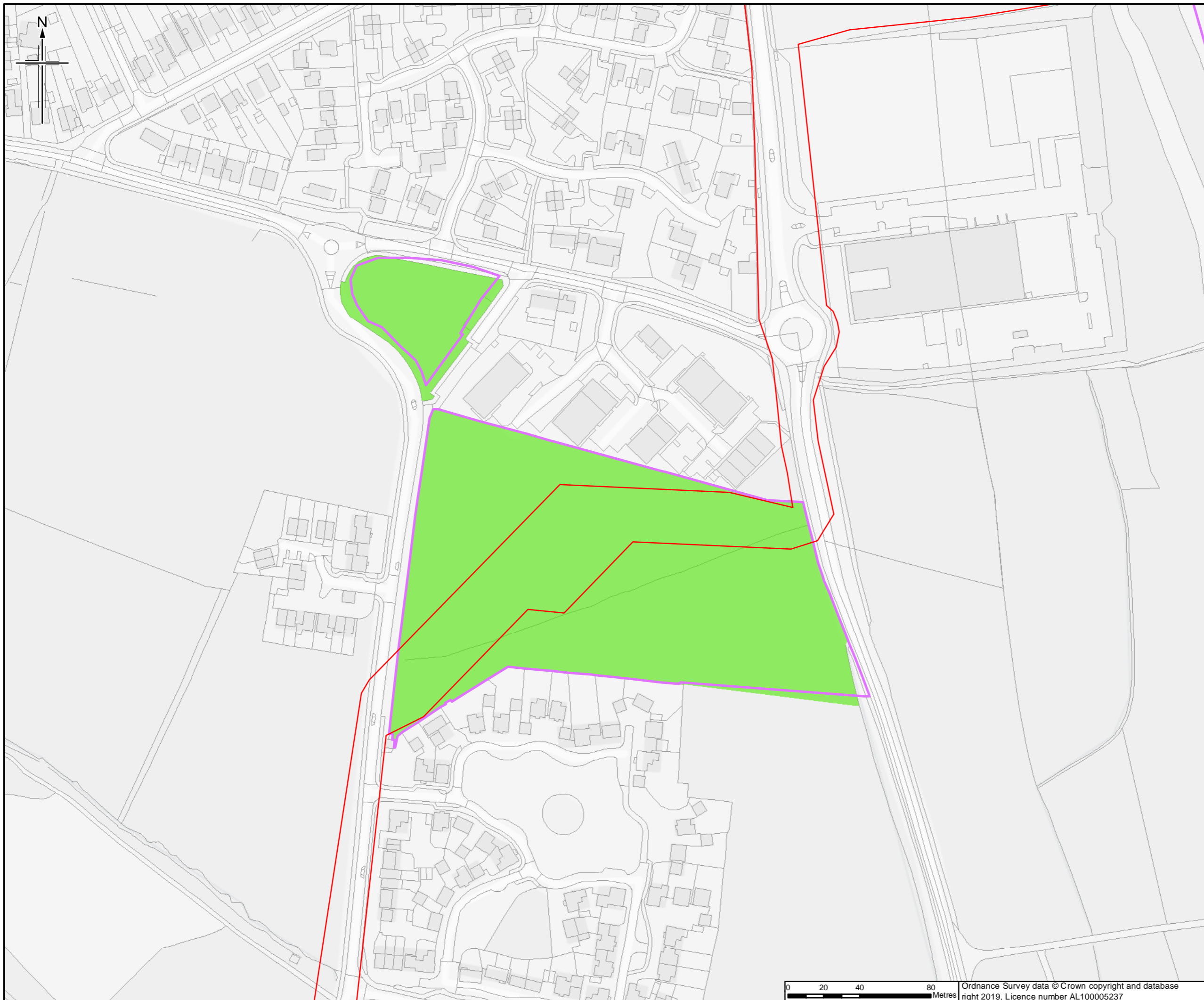
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF WAKEFORDS COPSE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001439	
Drawing number	Figure A7.1.87 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Mixed Deciduous Woodland

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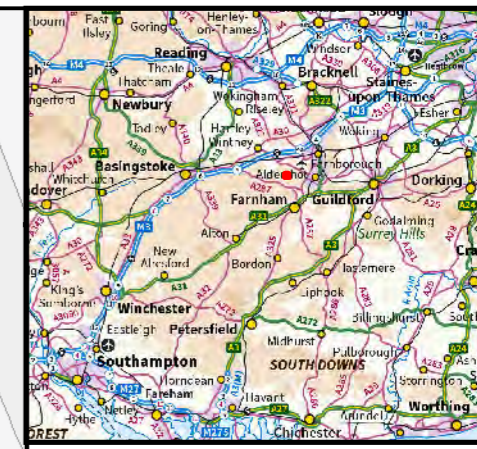
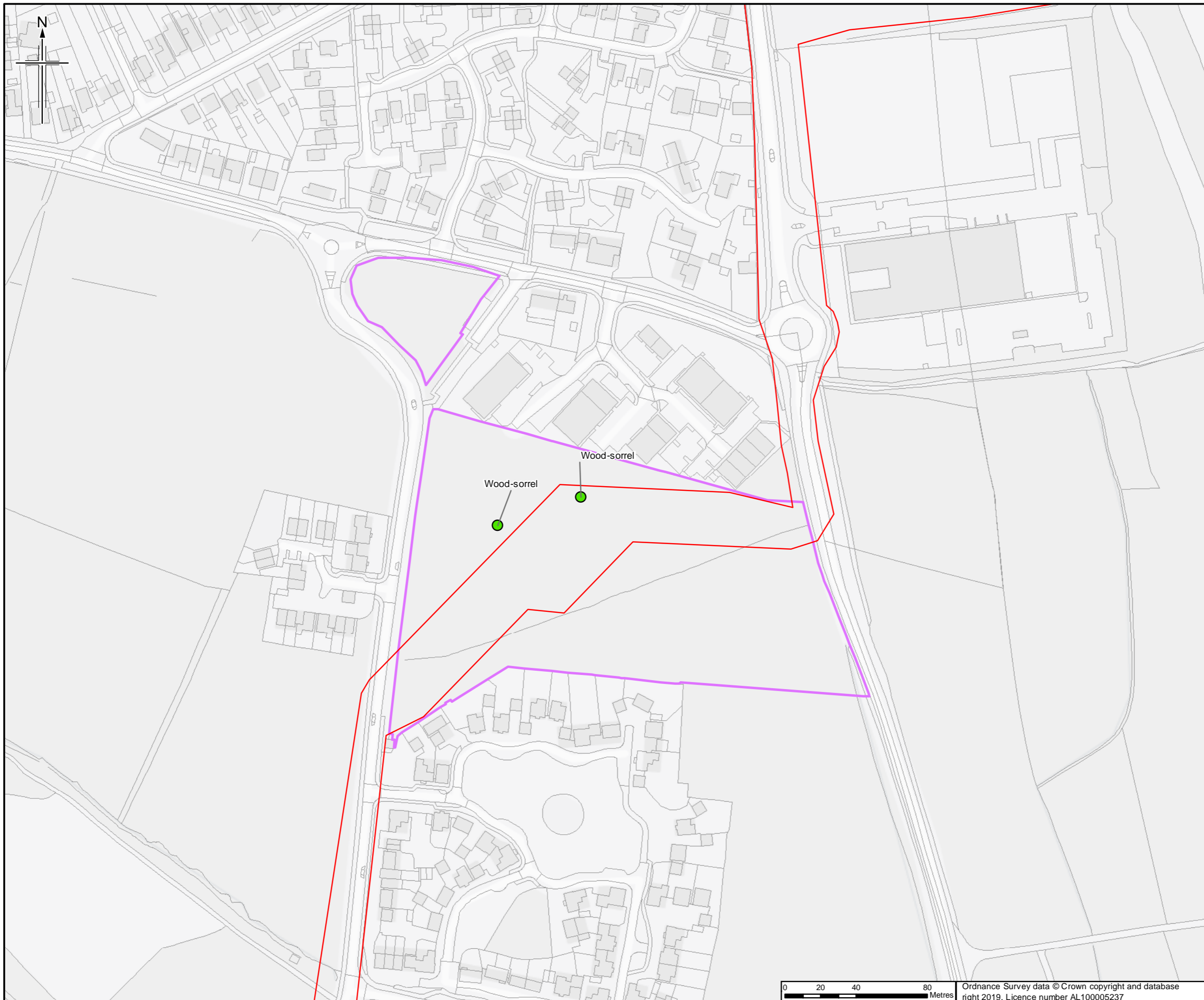
Project

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Drawing title

**APPENDIX 7.1 HABITATS AND BOTANY REPORT
PRIORITY HABITAT PLAN OF
WAKEFORDS COPSE
APFP Reg. (2009) 5(2)(l)**

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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001440	
Drawing number	Figure A7.1.88 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF WAKEFORDS COPSE**

APFP Reg. (2009) 5(2)(l)
For Issue

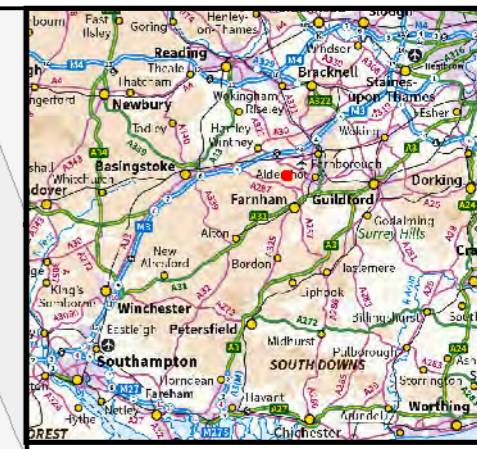
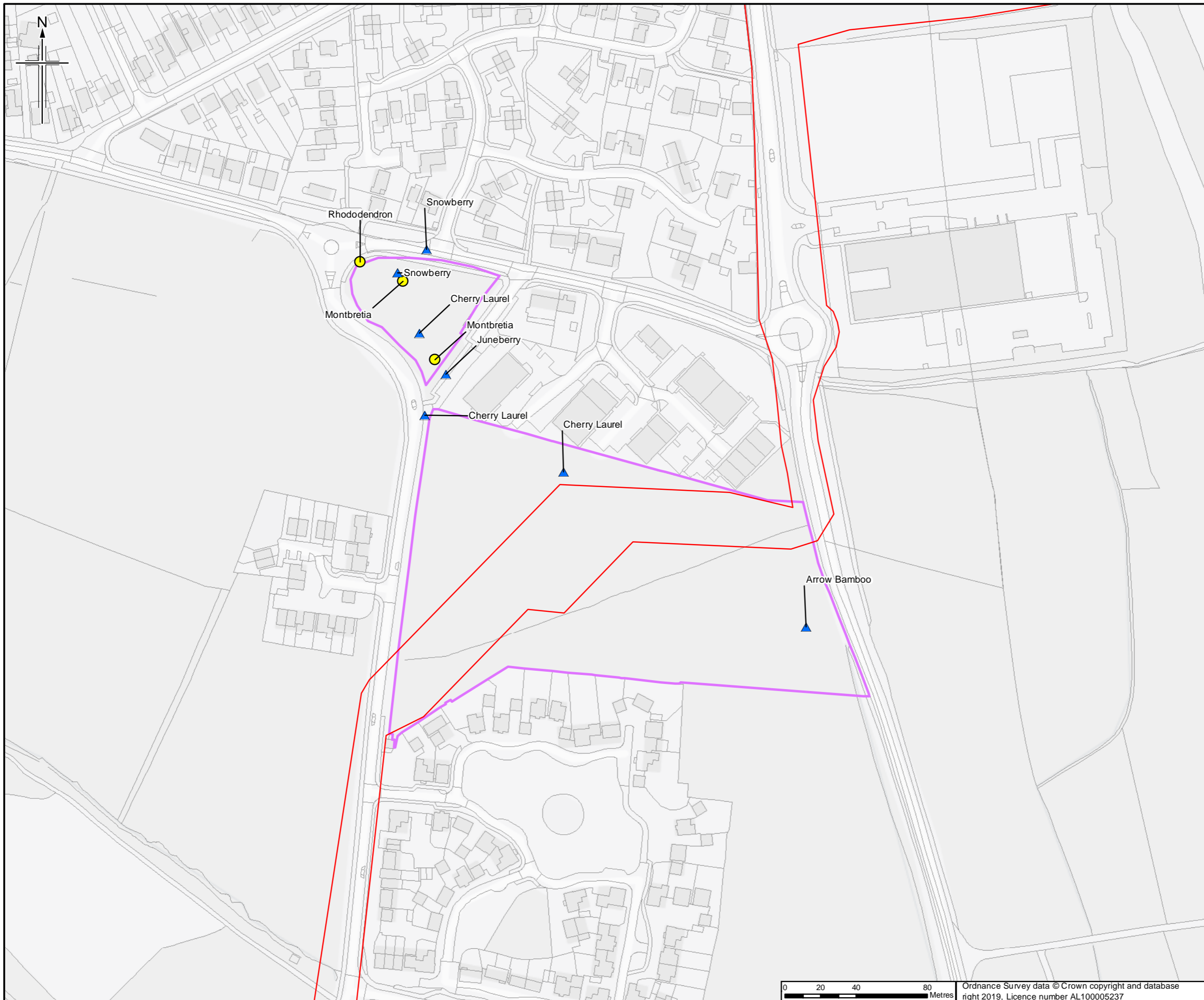
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Drawing number: Figure A7.1.89 Sheet 1 of 1

Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

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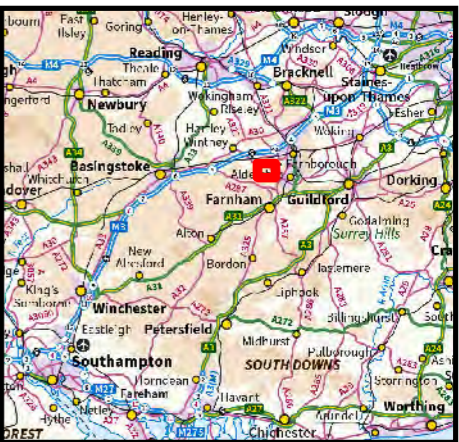
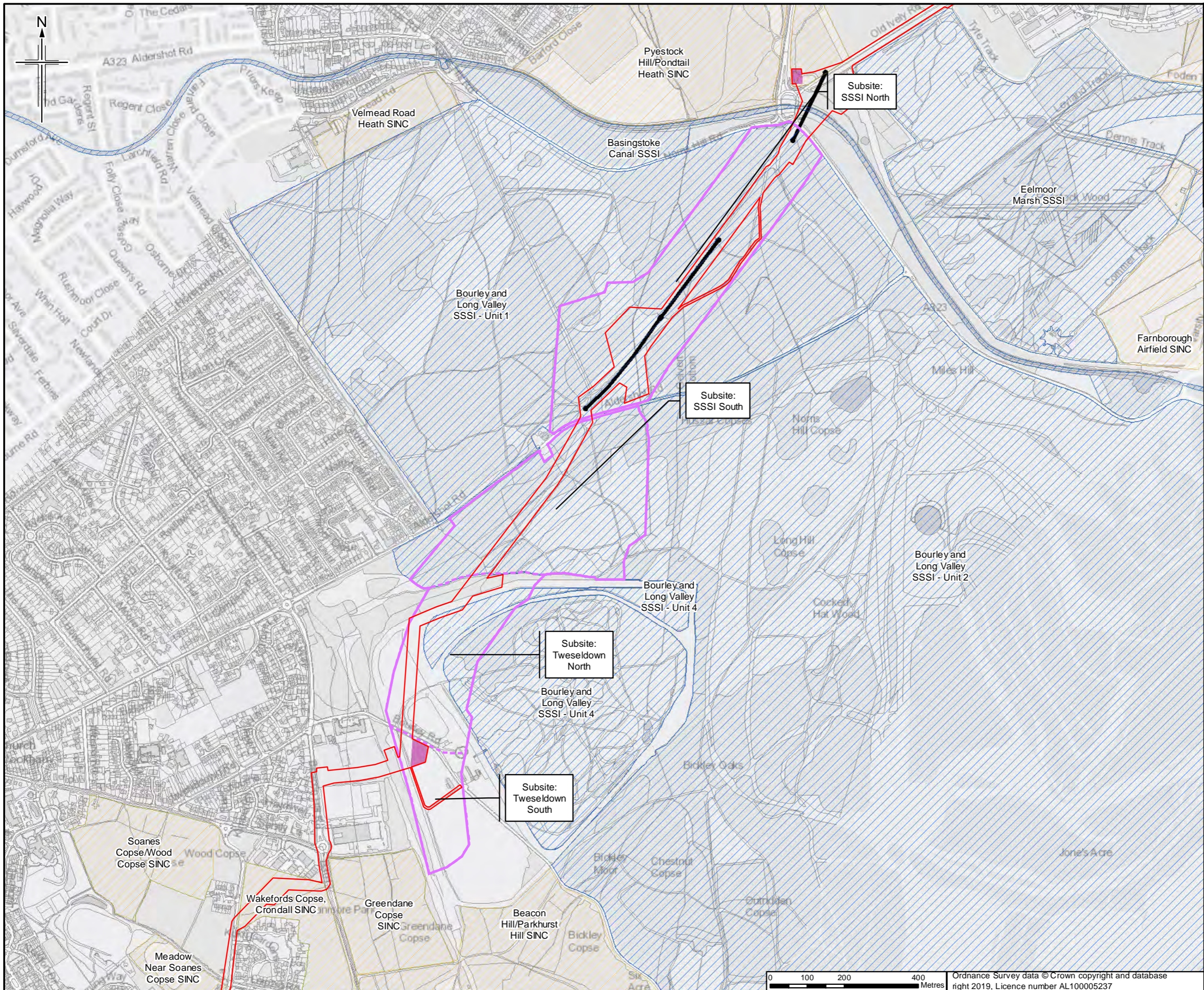
Project

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Drawing title

**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF WAKEFORDS COPSE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
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Drawing number	Figure A7.1.90 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SSSI
 - SINC/SNCI
 - Survey site boundary
 - Survey subsite boundary

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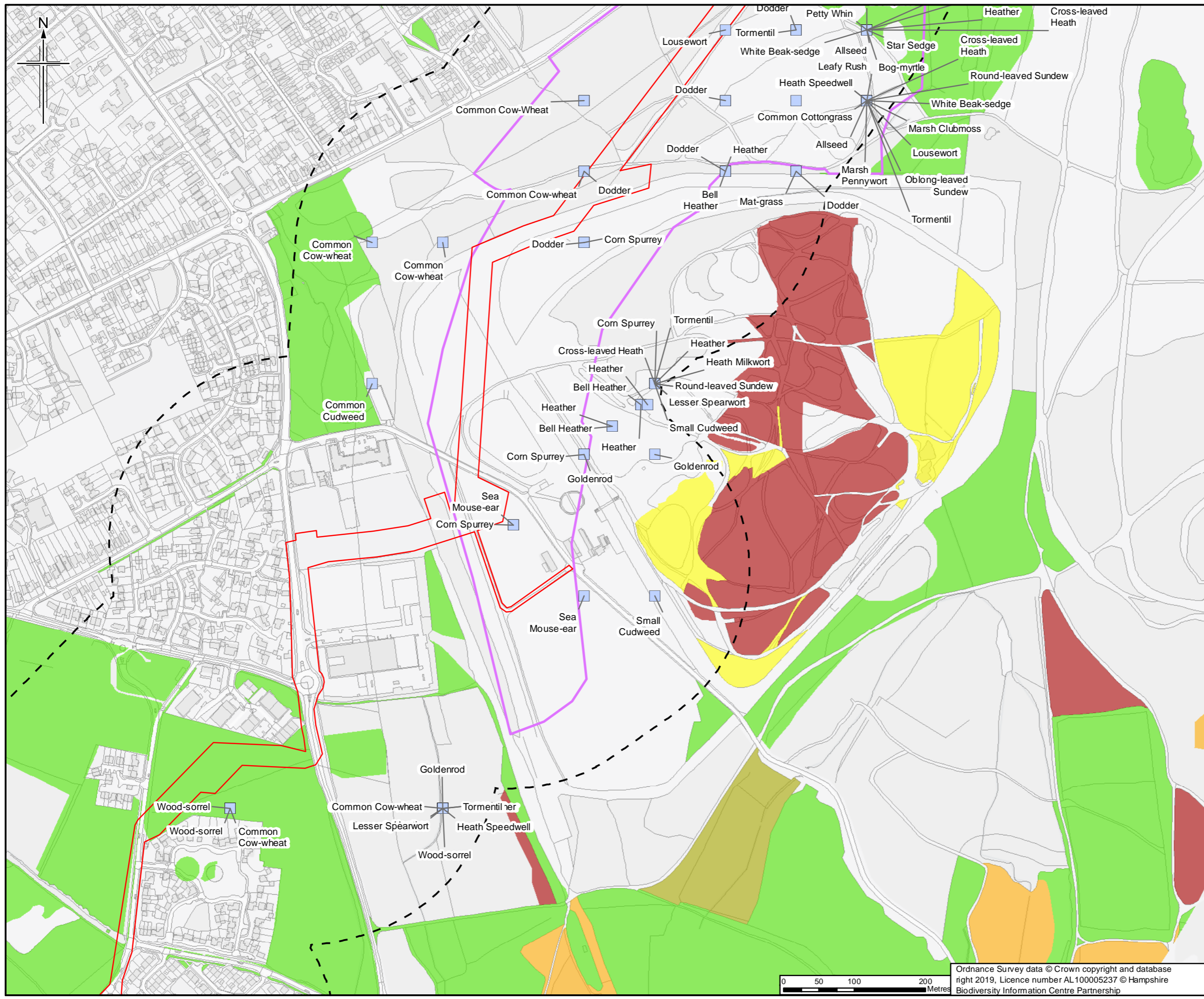
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**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001443	
Drawing number	Figure A7.1.91 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain Grazing Marsh
 - Lowland Dry Acid Grassland
 - Lowland Heathland
 - Lowland Mixed Deciduous Woodland
 - Wet Woodland

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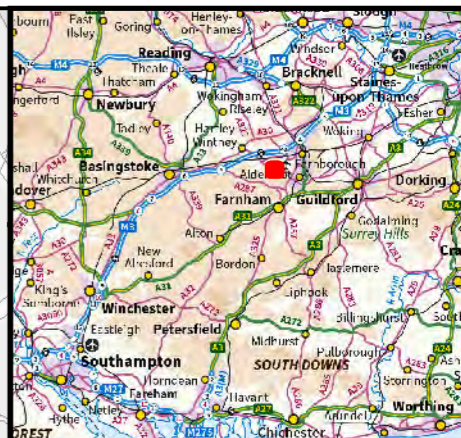
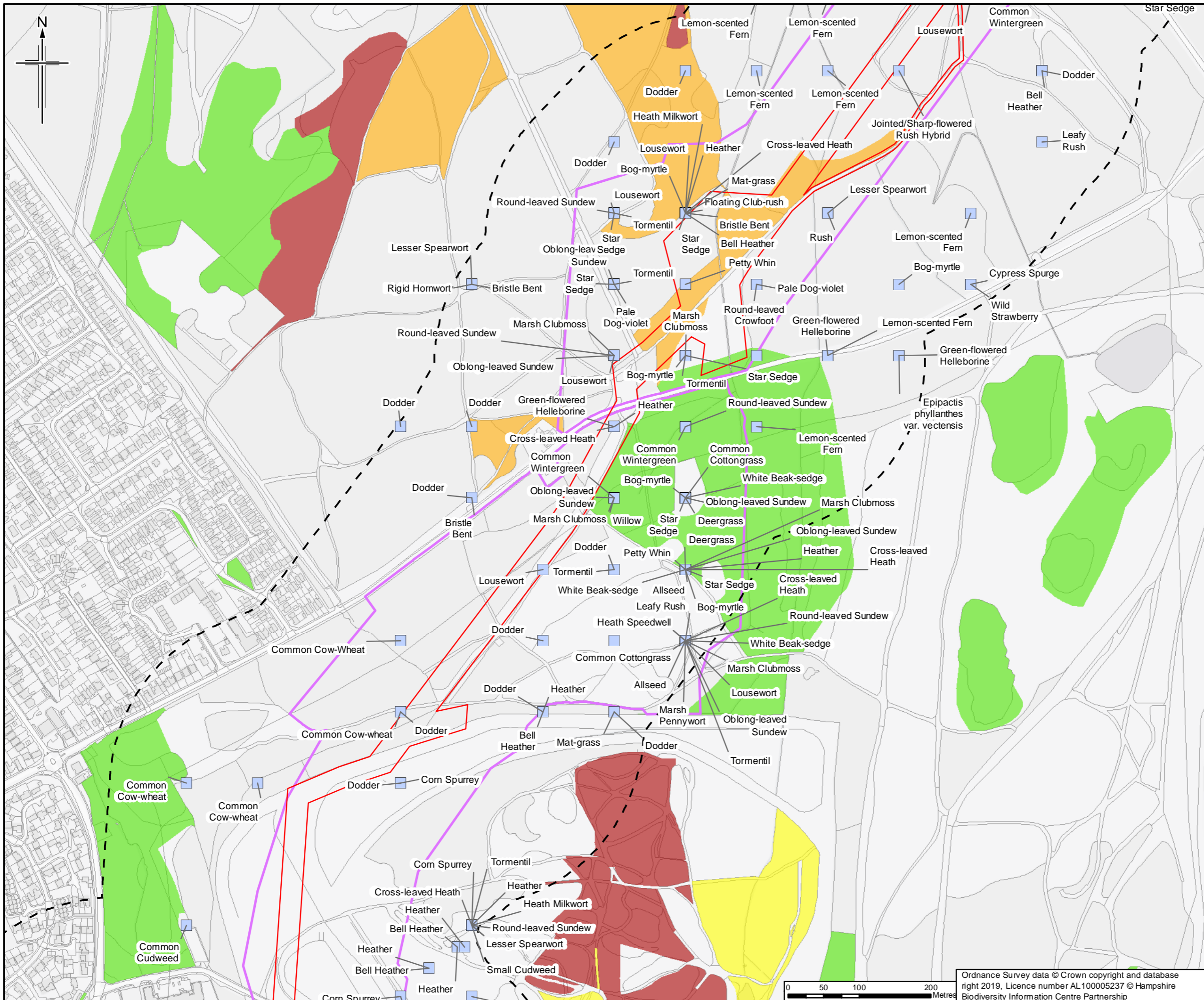
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Drawing title APPENDIX 7.1 HABITATS AND BOTANY REPORT
 BACKGROUND HABITAT AND BOTANICAL RECORDS FOR BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Coastal and Floodplain
 - Grazing Marsh
 - Lowland Dry Acid Grassland
 - Lowland Heathland
 - Lowland Mixed Deciduous Woodland

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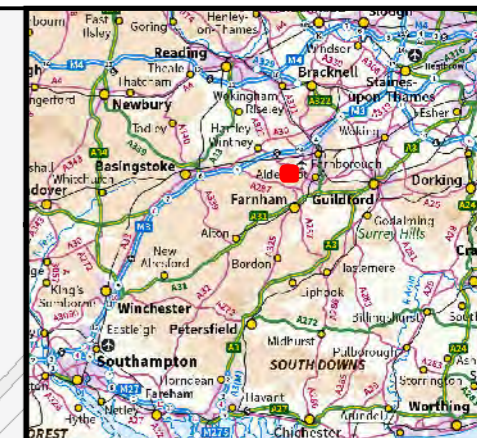
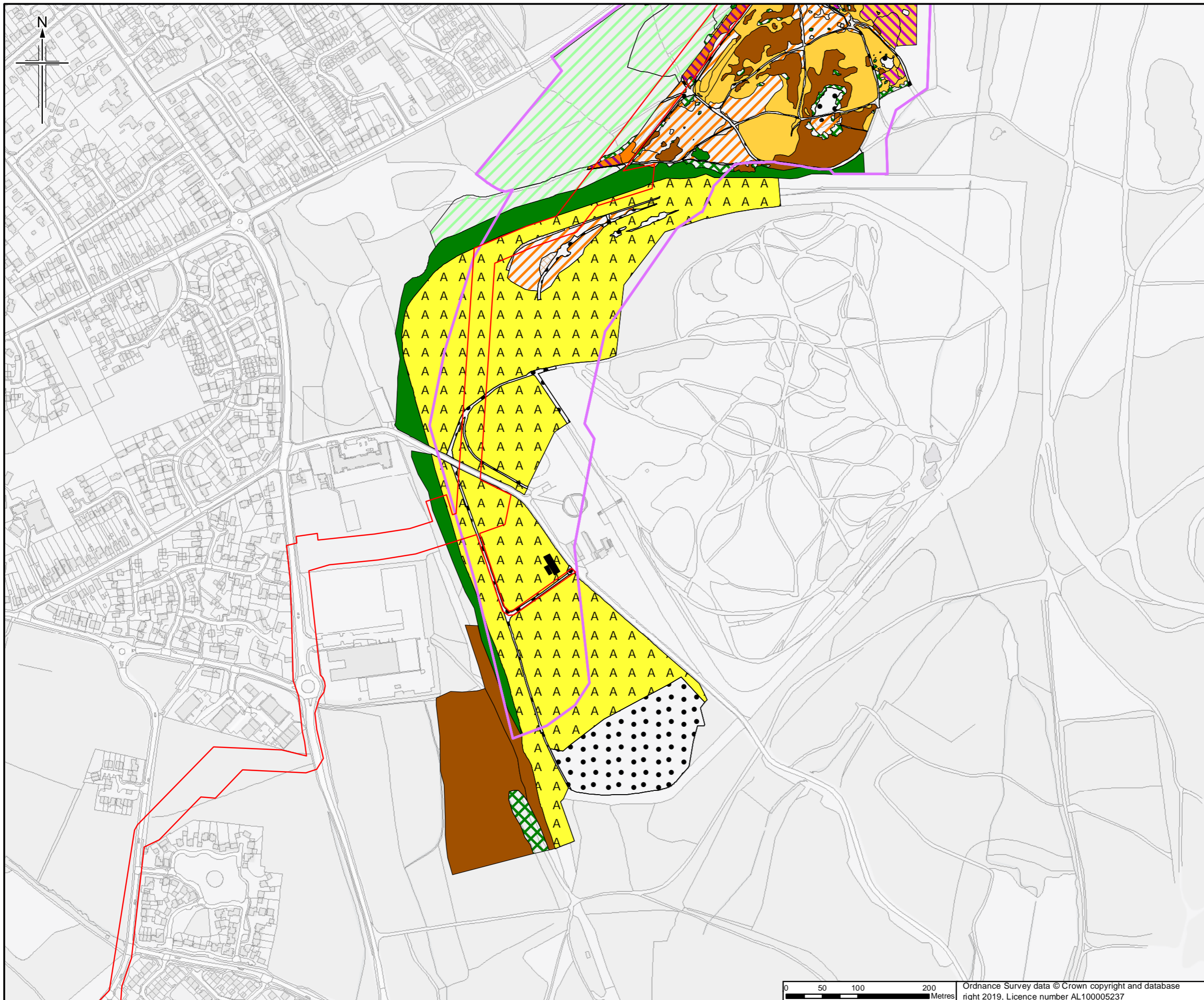


Drawing title APPENDIX 7.1 HABITATS AND BOTANY REPORT
BACKGROUND HABITAT AND BOTANICAL RECORDS FOR BOURLEY AND LONG VALLEY SSSI
APFP Reg. (2009) 5(2)(l)

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Legend
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 [Purple line] Survey site boundary
For Phase 1 Legend please see figure 7.1.195

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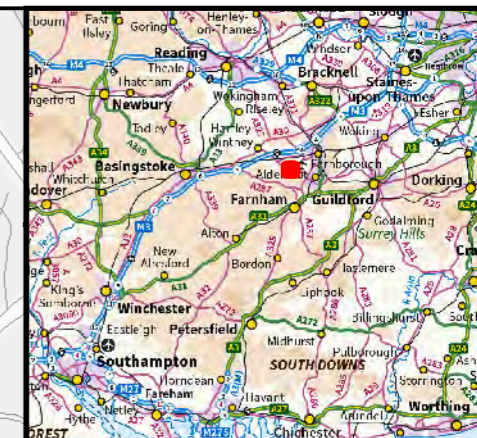
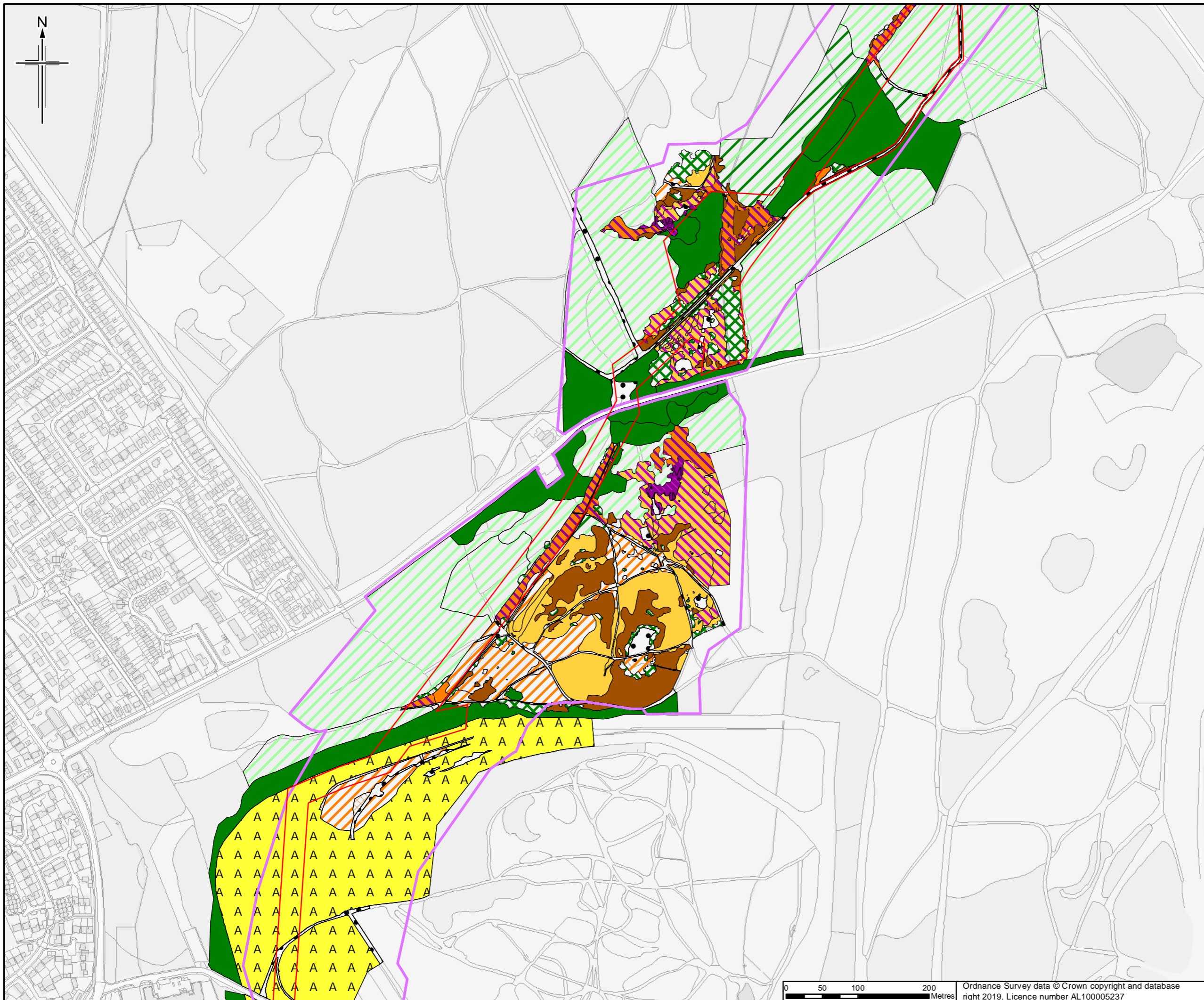
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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT**
PHASE 1 HABITAT PLAN OF BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:5,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001445	
Drawing number	Figure A7.1.93 Sheet 1 of 3	Rev 0



Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see figure 7.1.195

Sheet displays part of Section D

0	30/4/2019	For Issue	JH	NS	DM	SH
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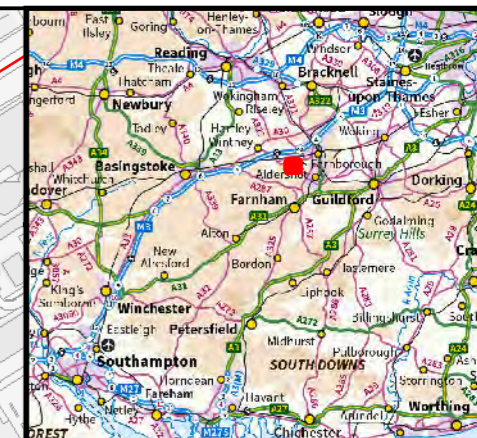
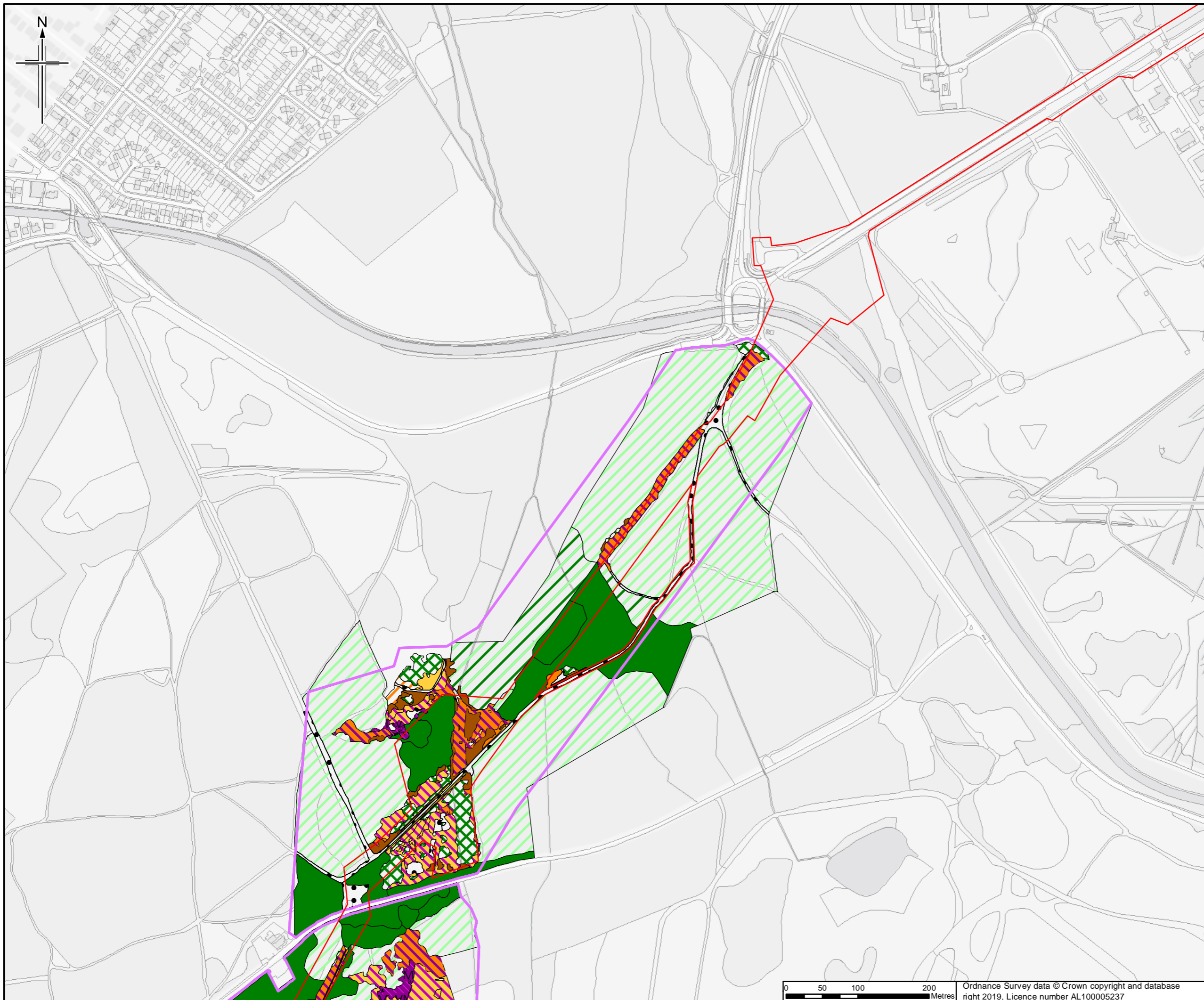
Client
 Esso Petroleum Company, Limited
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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	DO NOT SCALE
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001445	
Drawing number	Figure A7.1.93 Sheet 2 of 3	Rev 0

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Legend
 [Red line] Order Limits
 [Purple line] Survey site boundary
For Phase 1 Legend please see figure 7.1.195

Sheet displays part of Section D

Rev	Rev. Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
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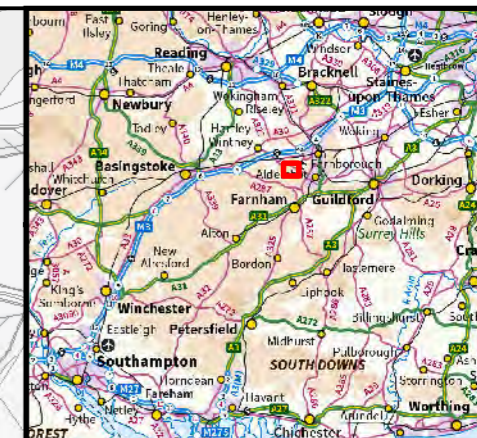
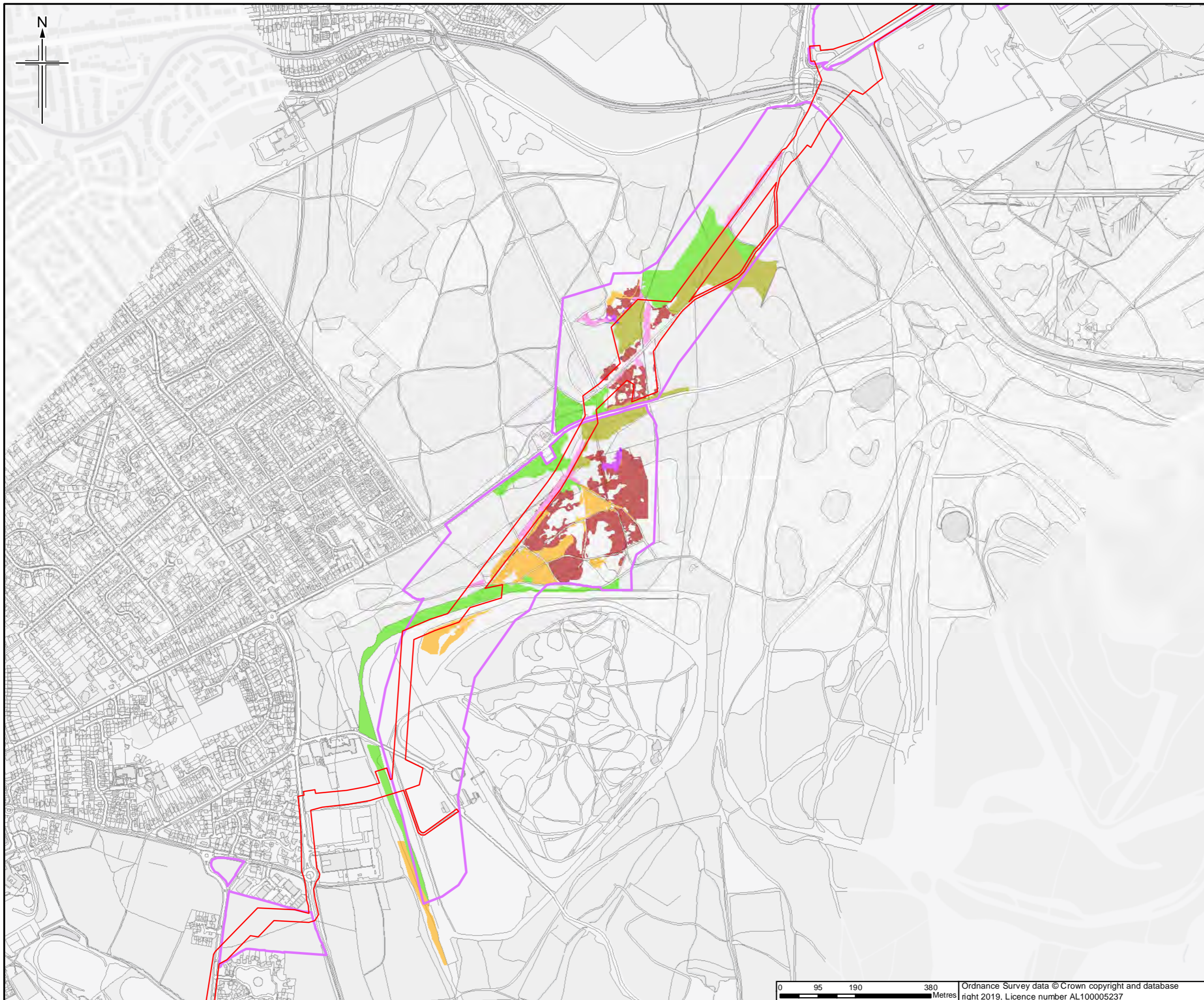
Project
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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue
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Jacobs No.	B2325300
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001445
Drawing number	Figure A7.1.93 Sheet 3 of 3
Rev	0

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- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Dry Acid Grassland
 - Lowland Fens
 - Lowland Heathland
 - Lowland Mixed Deciduous Woodland
 - Purple Moor-grass and Rush Pastures
 - Wet Woodland

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0	4/04/2019	For Issue	JH	NS	DM	SH
Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checkd	Rev'd	Apprv'd

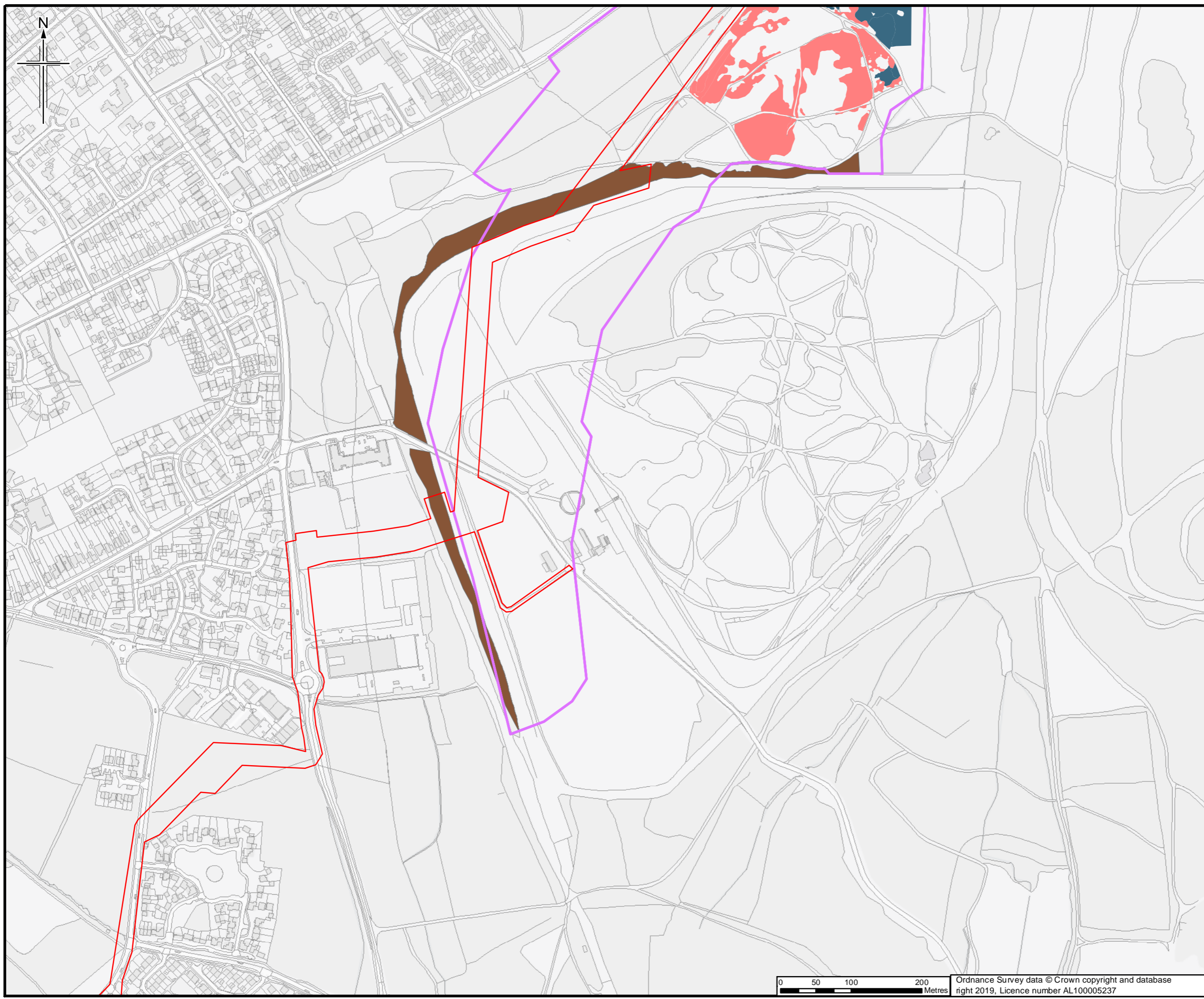
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF BOURLEY AND LONG VALLEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001446	
Drawing number	Figure A7.1.94 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Annex I habitat**
- H4010 Northern Atlantic wet heaths with *Erica tetralix*
 - H4030 European dry heaths
 - H9190 Old acidophilous oak woods with *Quercus robur* on sandy plains

Sheet displays part of Section D

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv
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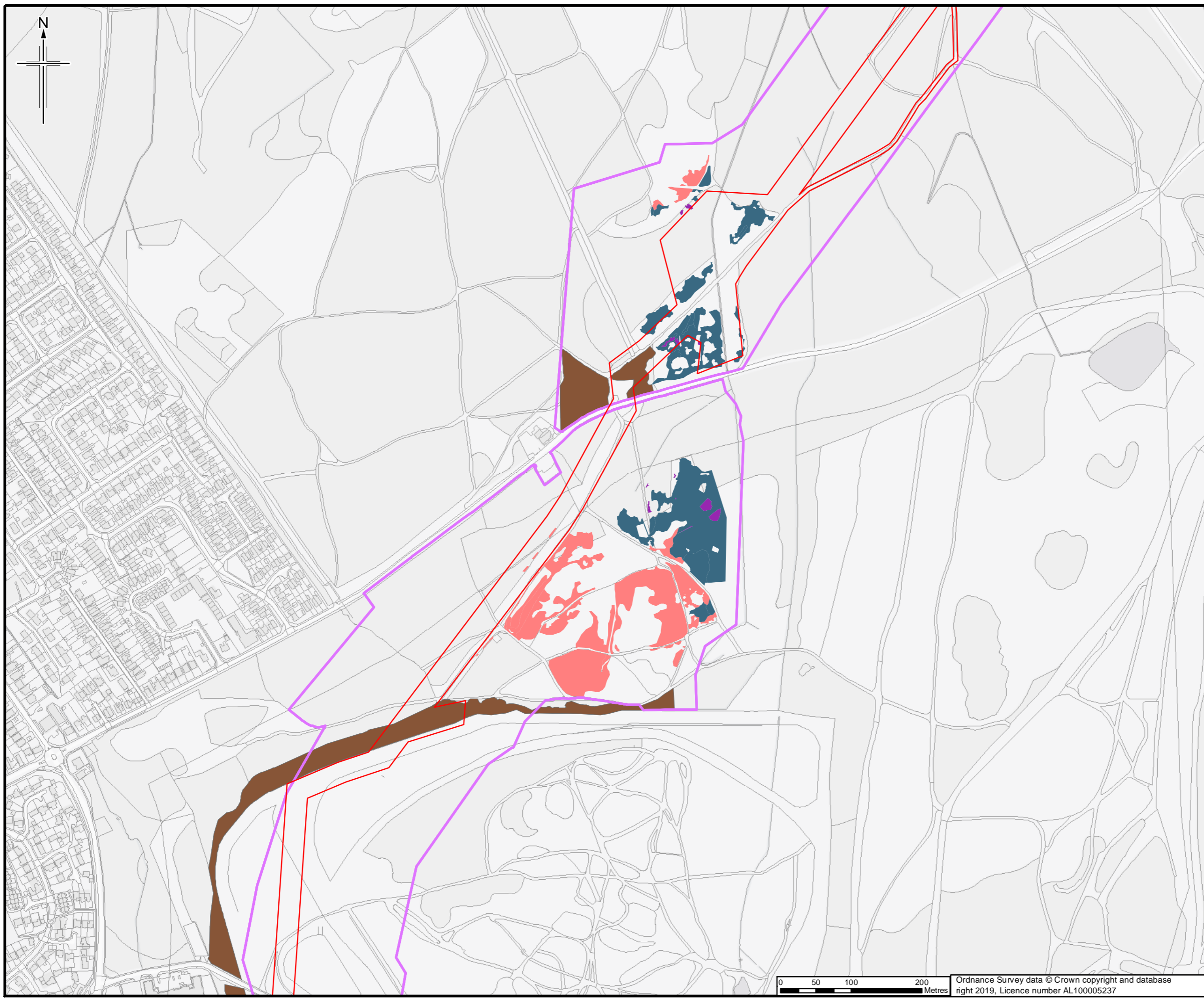
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Southampton to London Pipeline Project

Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 ANNEX I HABITAT PLAN OF
 BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001447	
Drawing number	Figure A7.1.95 Sheet 1 of 3	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Annex I habitat**
- H4010 Northern Atlantic wet heaths with *Erica tetralix*
 - H4030 European dry heaths
 - H7150 Depressions on peat substrates of the *Rhynchosporion*
 - H9190 Old acidophilous oak woods with *Quercus robur* on sandy plains

Sheet displays part of Section D

Rev	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv
0	14/03/2019	For Issue		JH	NS	DM SH

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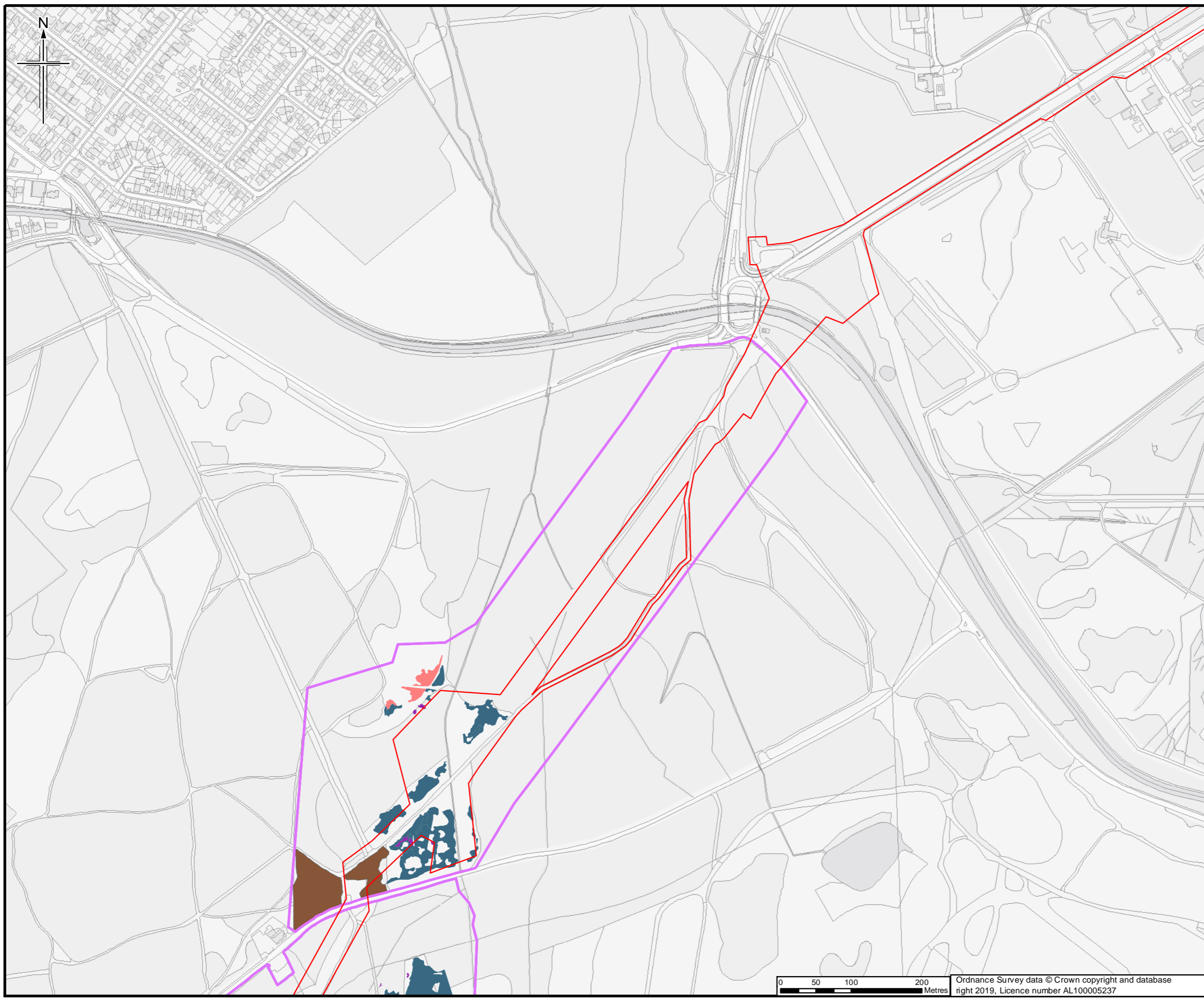
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Drawing title

**APPENDIX 7.1 HABITATS AND BOTANY REPORT
ANNEX I HABITAT PLAN OF
BOURLEY AND LONG VALLEY SSSI
APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Drawing number	Figure A7.1.95 Sheet 2 of 3	Rev 0

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- Legend**
- Order Limits
 - Survey site boundary
- Annex I habitat**
- H4010 Northern Atlantic wet heaths with *Erica tetralix*
 - H4030 European dry heaths
 - H7150 Depressions on peat substrates of the *Rhynchosporion*
 - H9190 Old acidophilous oak woods with *Quercus robur* on sandy plains

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Rev.	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'
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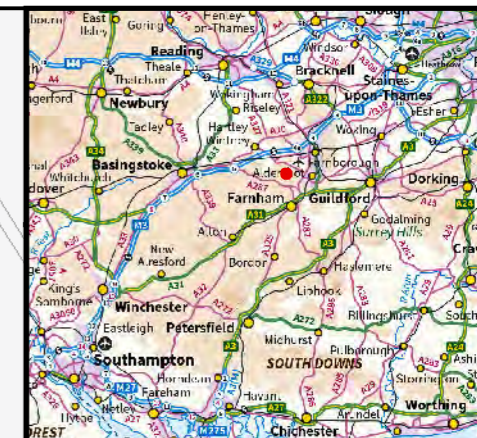
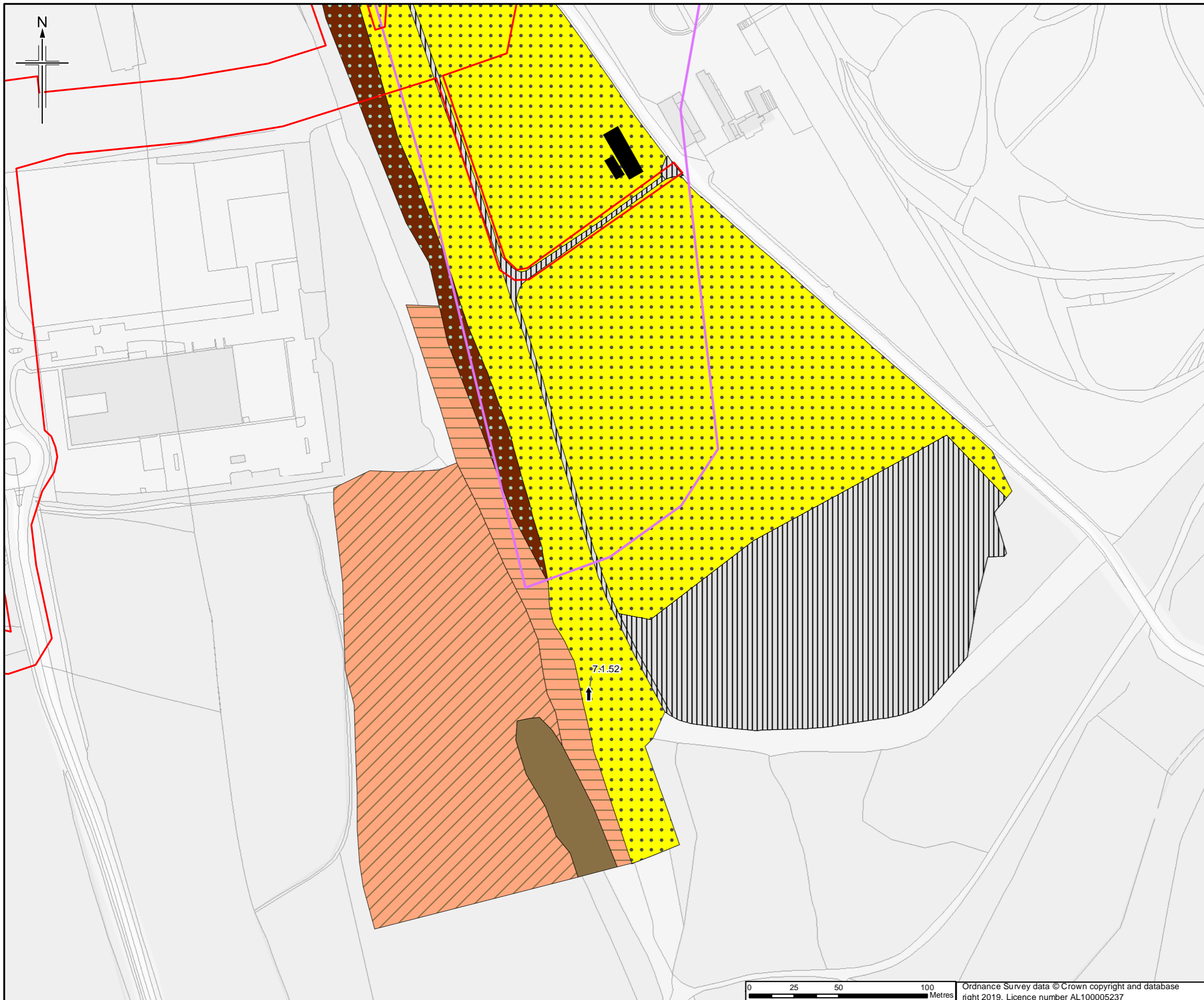
Project

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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
ANNEX I HABITAT PLAN OF
BOURLEY AND LONG VALLEY SSSI
APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Drawing number	Figure A7.1.95 Sheet 3 of 3	Rev 0



Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- × Quadrat

For Vegetation Plan
Legend please see Figure A7.1.196

Full NVC plant community names are provided in Annex G
 Sheet displays part of Section D

Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	13/03/2019	For Issue	JH	NS	DM	SH

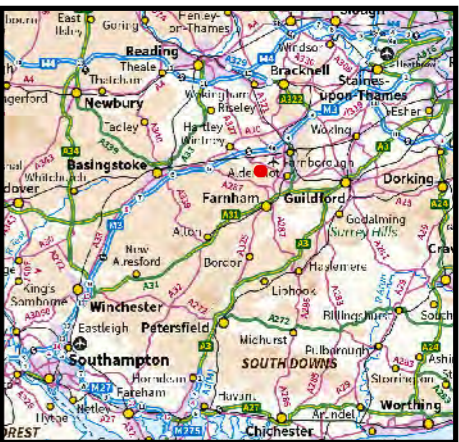
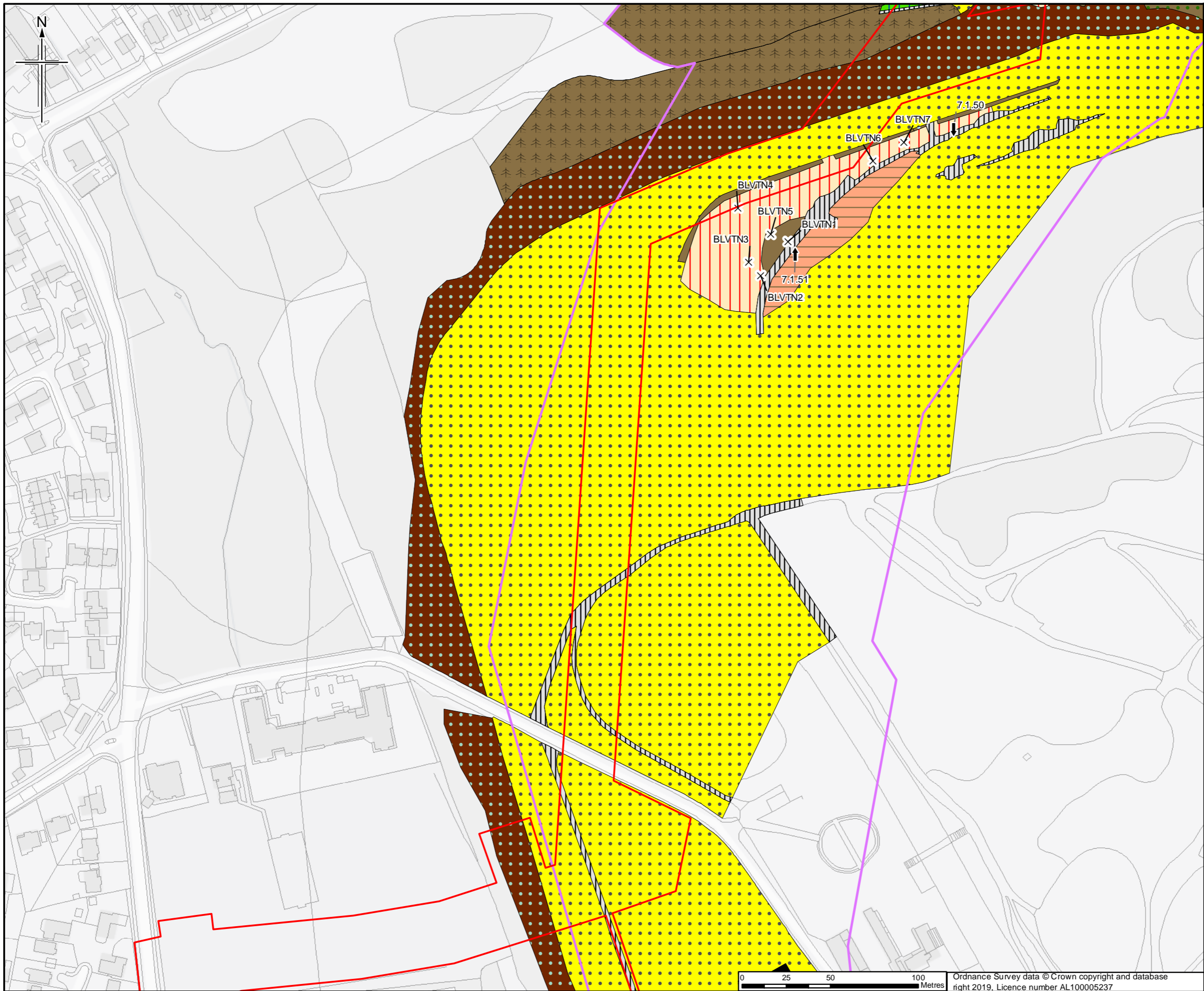
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Drawing title
APPENDIX 7.1 HABITATS AND BOTANY REPORT VEGETATION PLAN OF BOURLEY AND LONG VALLEY SSSI APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001448	
Drawing number	Figure A7.1.96 Sheet 1 of 5	Rev 0



Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- × Quadrat

For Vegetation Plan
Legend please see Figure A7.1.196

Full NVC plant community names are provided in Annex G
 Sheet displays part of Section D

0	13/03/2019	For Issue	JH	NS	DM	SH
Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd

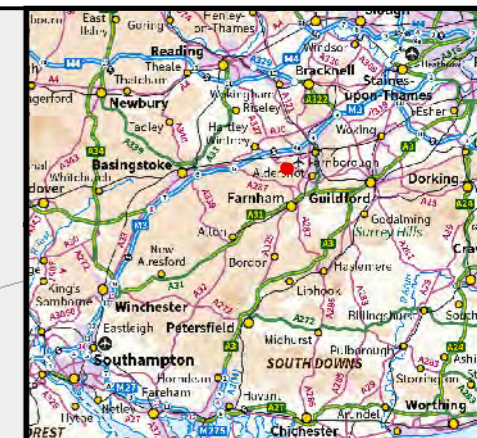
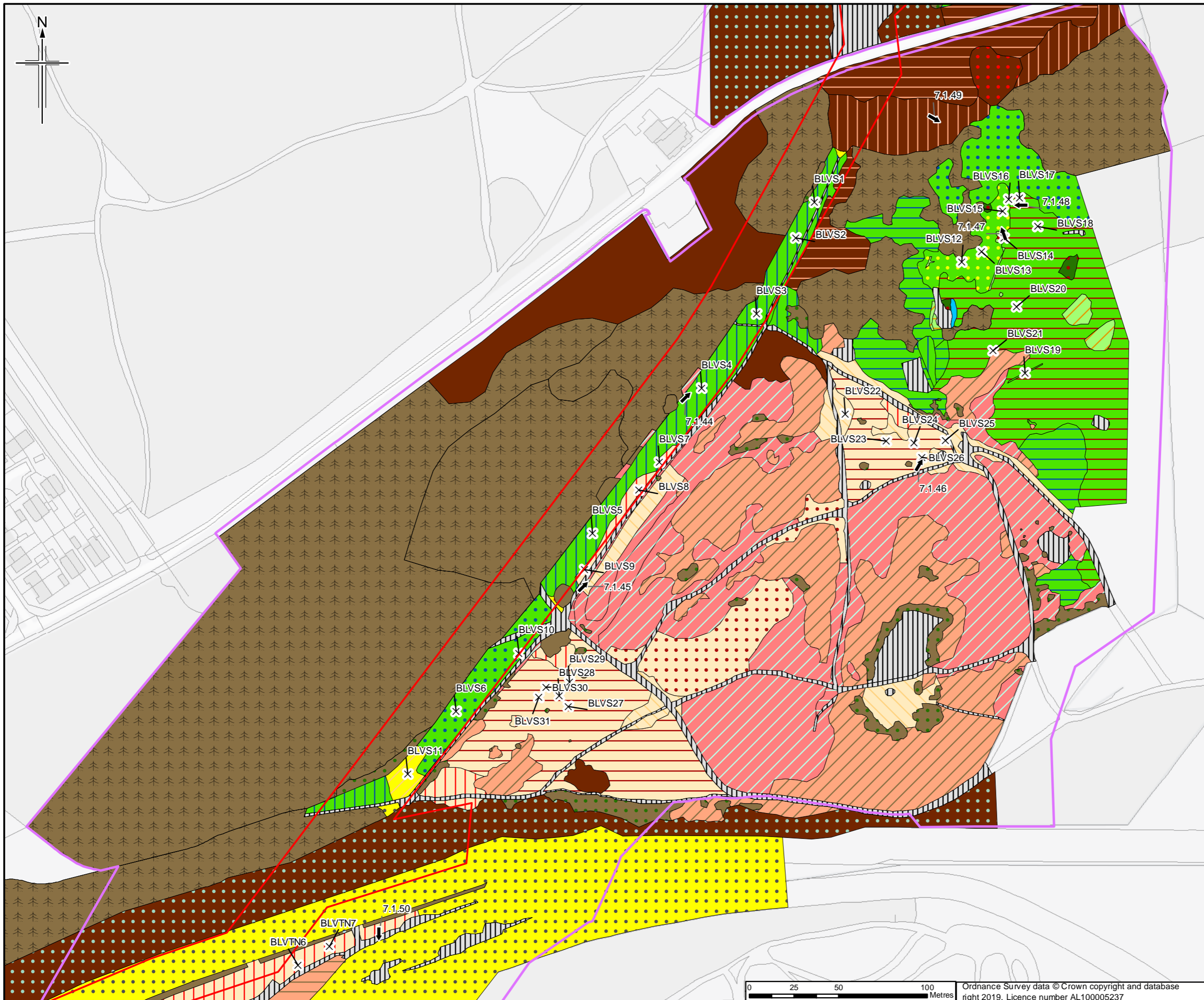
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF
 BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001448	
Drawing number	Figure A7.1.96 Sheet 2 of 5	Rev 0



Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- X Quadrat

For Vegetation Plan
Legend please see Figure A7.1.196

Full NVC plant community names are provided in Annex G
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Rev.	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd
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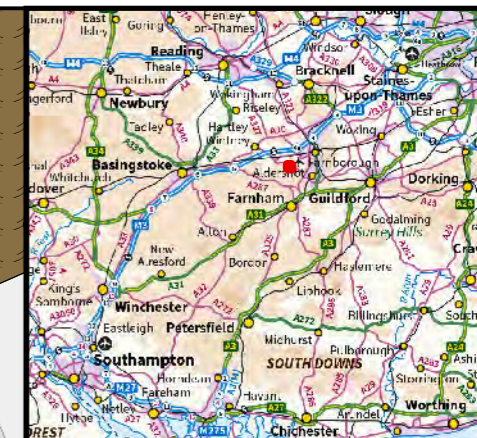
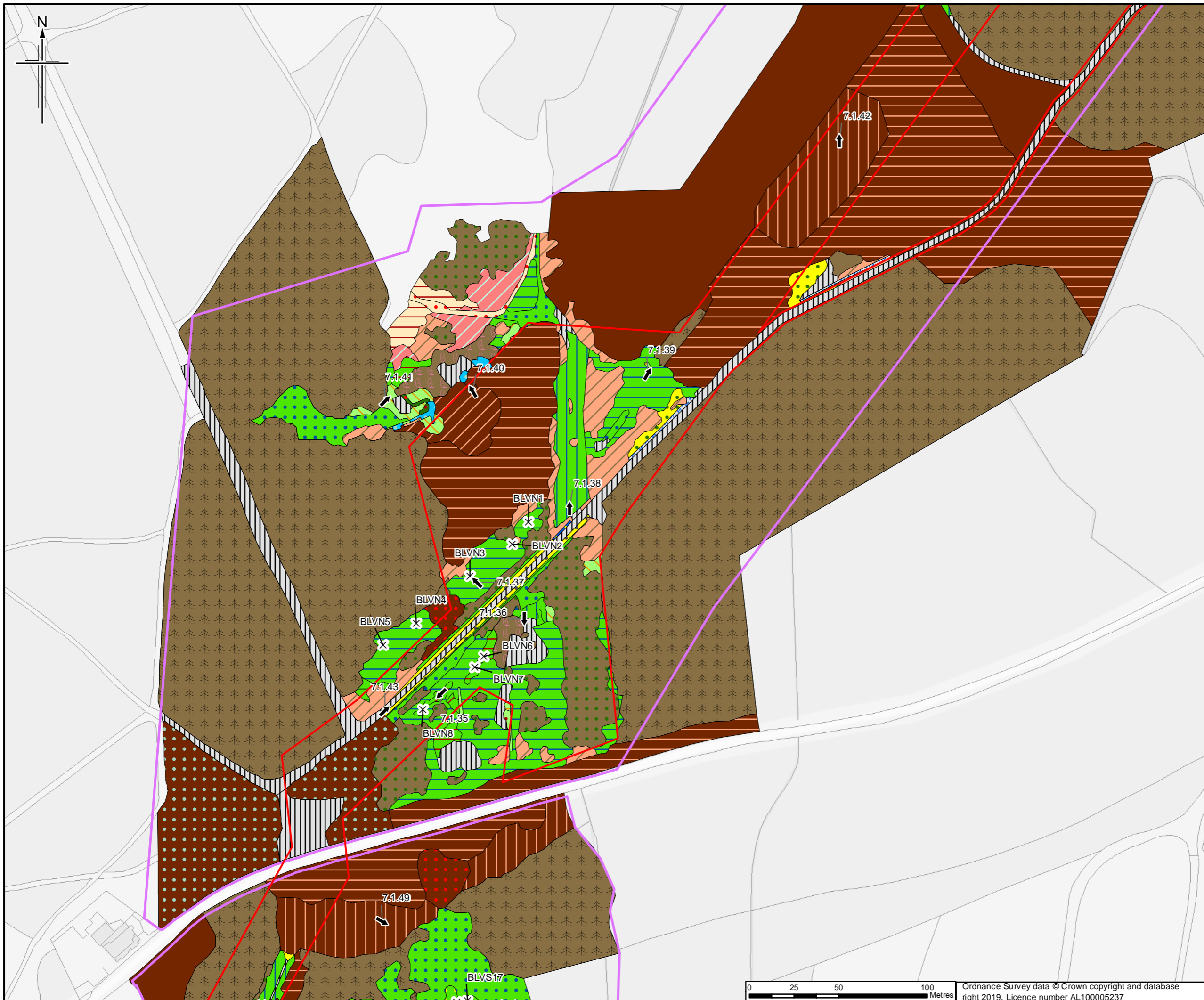
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 VEGETATION PLAN OF
 BOURLEY AND LONG VALLEY SSSI
 APFPP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
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Jacobs No.	B2325300
Project/Wise No.	B2325300-JAC-000-ENV-DRG-001448
Drawing number	Figure A7.1.96 Sheet 3 of 5
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Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- x Quadrat

For Vegetation Plan
Legend please see Figure
A7.1.196

Full NVC plant community names are provided in Annex G

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Rev.	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Appr'd
0	13/03/2019	For Issue			JH	NS DM SH

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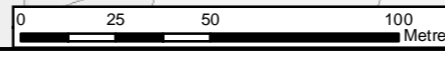
Project

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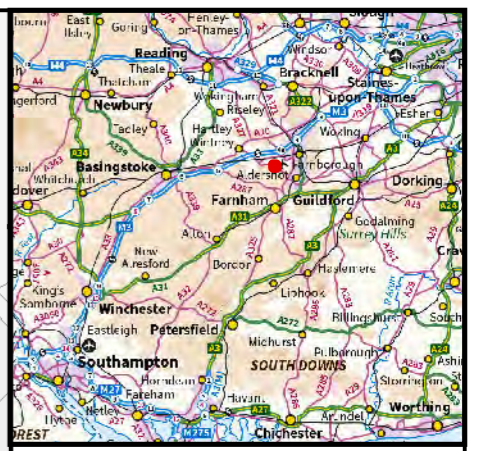
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 BOTANY REPORT
 VEGETATION PLAN OF
 BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)

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Legend

- Order Limits
- Survey site boundary
- Photograph and direction
- Quadrat

For Vegetation Plan
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Rev.	Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Appr'd
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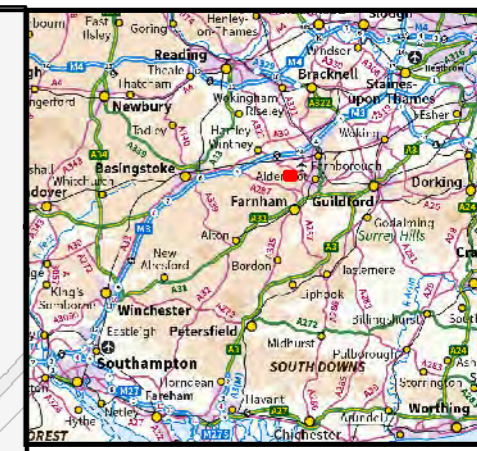
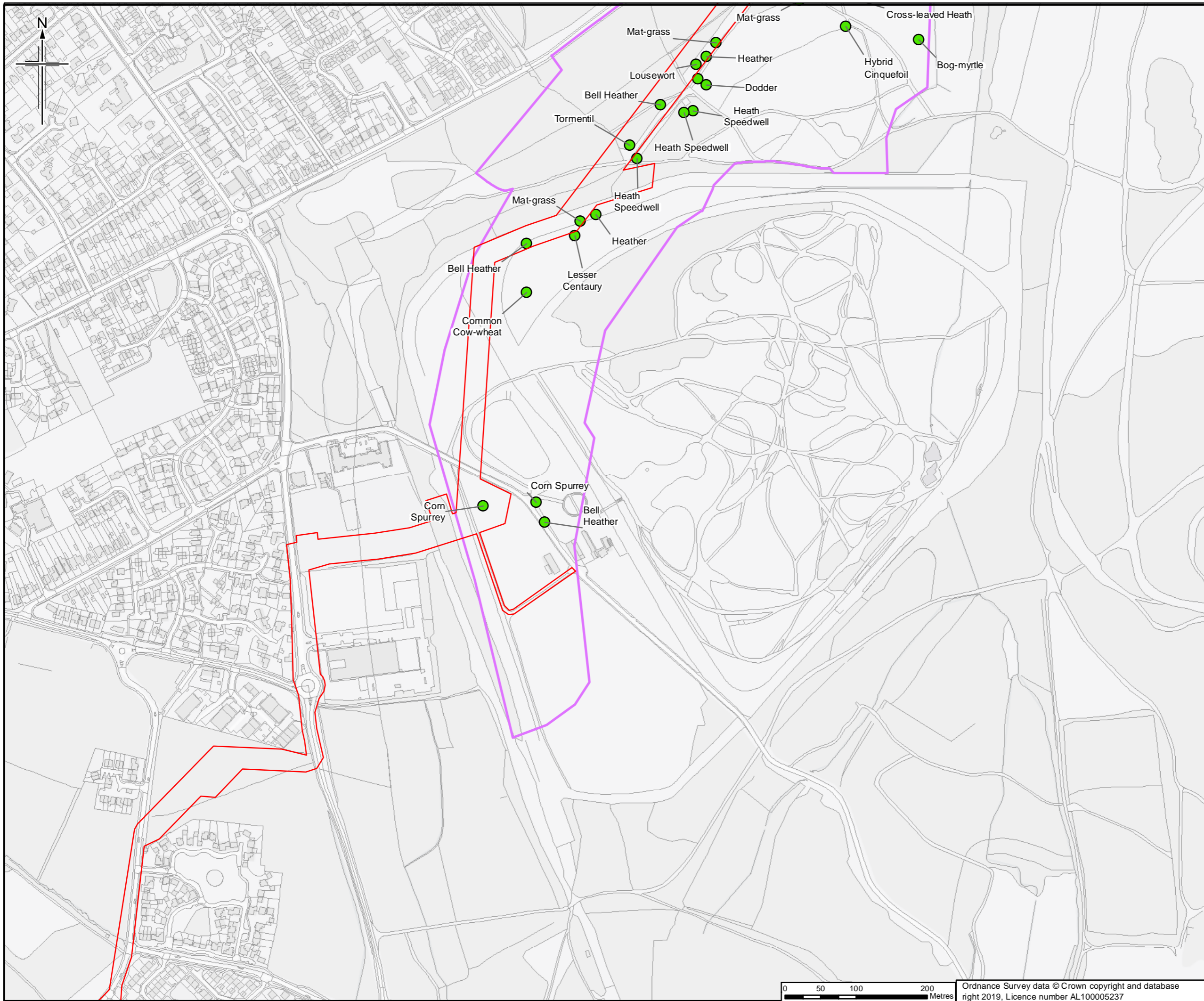


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APPENDIX 7.1 HABITATS AND BOTANY REPORT
VEGETATION PLAN OF
BOURLEY AND LONG VALLEY SSSI
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Drawing number	Figure A7.1.96 Sheet 5 of 5	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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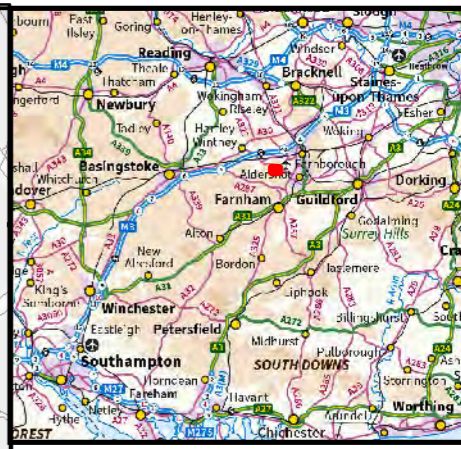
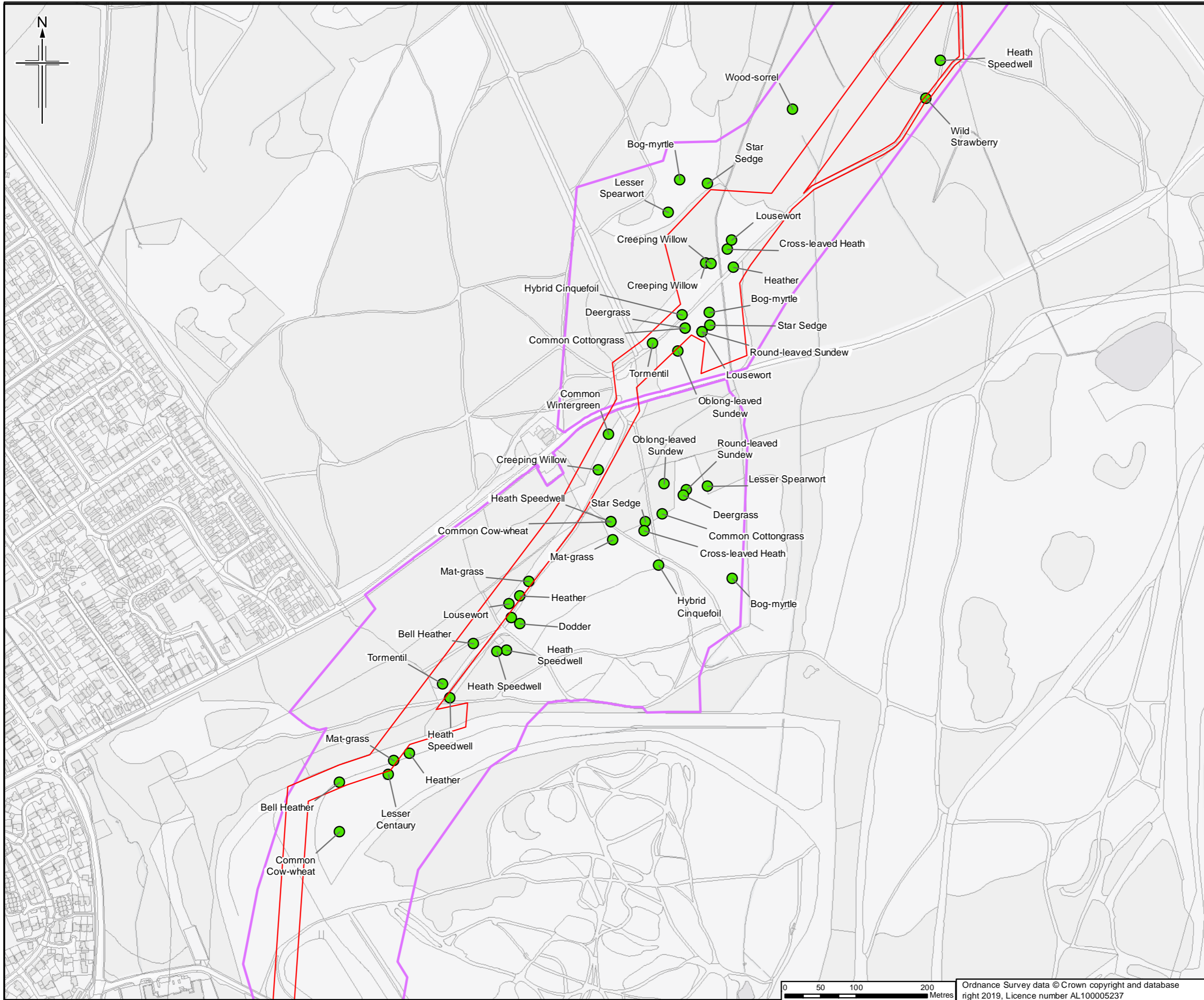


Drawing title
APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF BOURLEY AND LONG VALLEY
APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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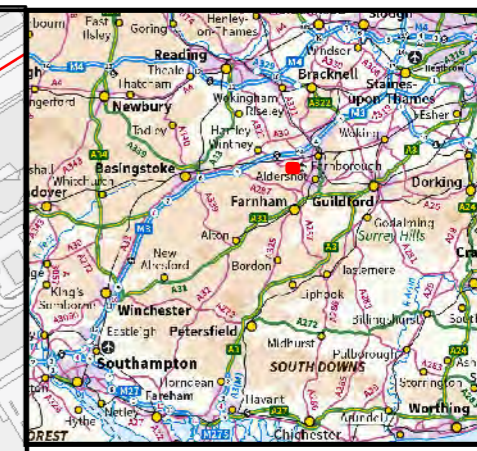
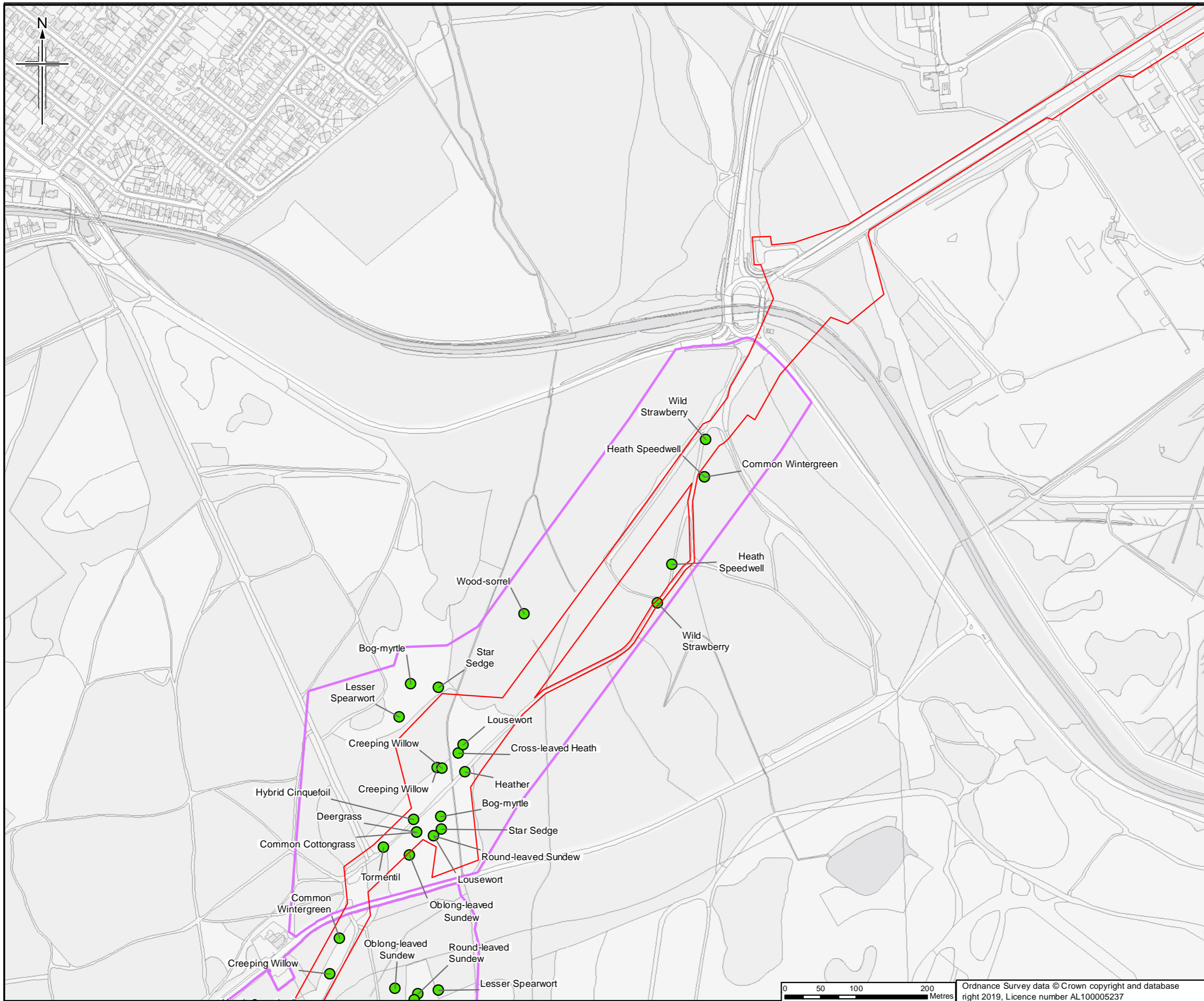
Project
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Drawing title
APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF BOURLEY AND LONG VALLEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Legend

- ▭ Order Limits
- ▭ Survey site boundary
- Notable plants

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0	13/03/2019	For Issue	JH	NS	DM	SH
Rev	Rev. Date	Purpose of revision	Orig/Dwn	Check'd	Rev'd	Apprv'd

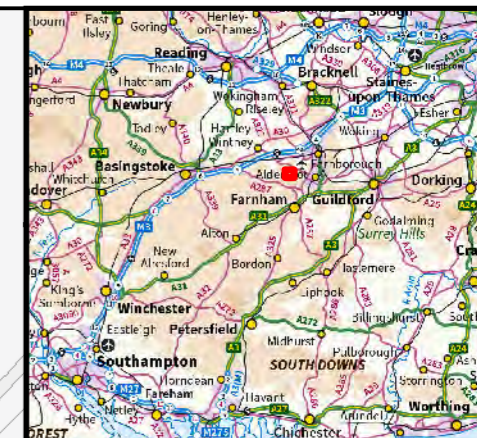
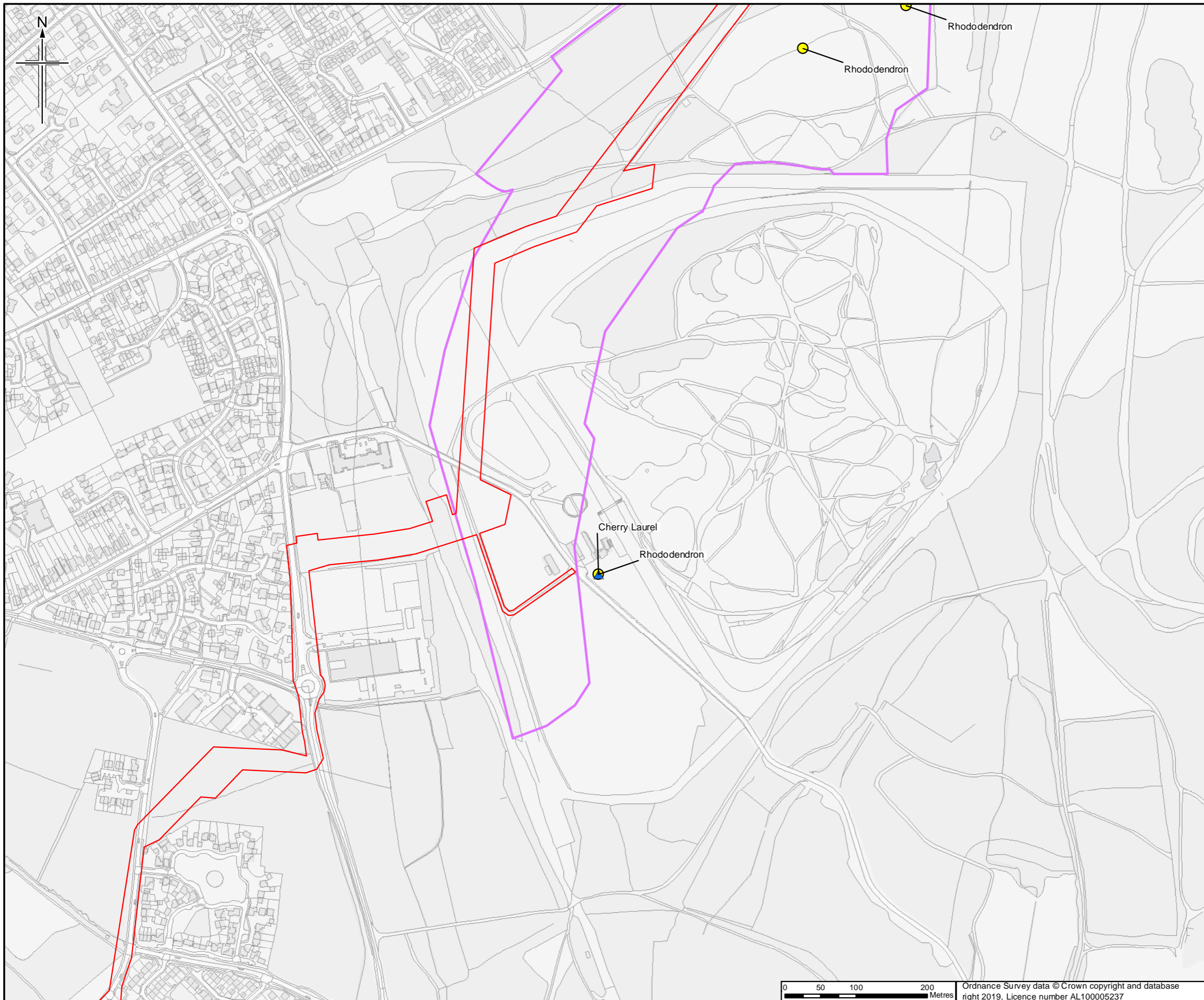
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Drawing title
APPENDIX 7.1 HABITATS AND BOTANY REPORT
NOTABLE PLANTS RECORDED DURING SURVEY OF BOURLEY AND LONG VALLEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Project/Wise No.	B2325300-JAC-000-ENV-DRG-001449	
Drawing number	Figure 7.1.97 Sheet 3 of 3	Rev 0



- Legend**
- ▭ Order Limits
 - ▭ Survey site boundary
 - ▲ INNS
 - Schedule 9

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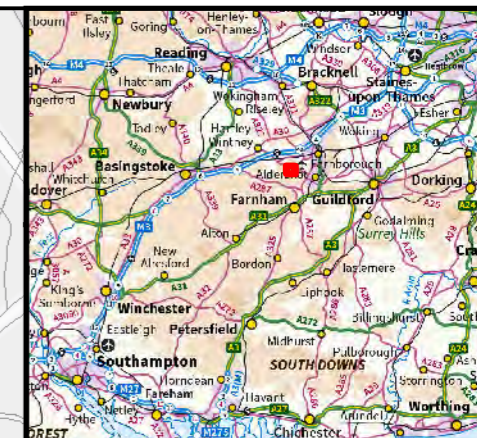
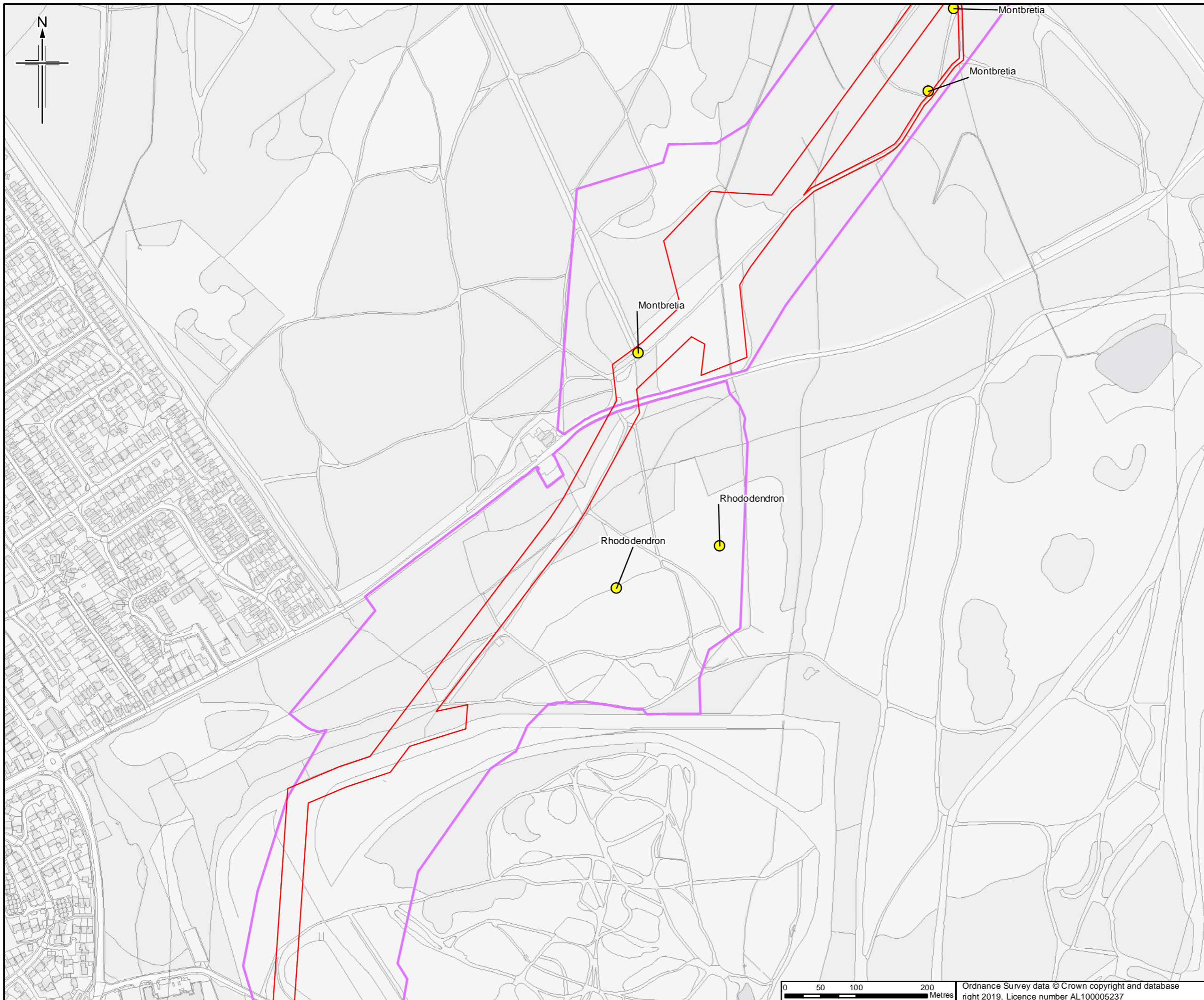
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Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF BOURLEY AND LONG VALLEY
 APFP Reg. (2009) 5(2)(l)

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- ▭ Order Limits
 - ▭ Survey site boundary
 - ▲ INNS
 - Schedule 9

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0	5/3/2019	For Issue		JH	NS	DM SH

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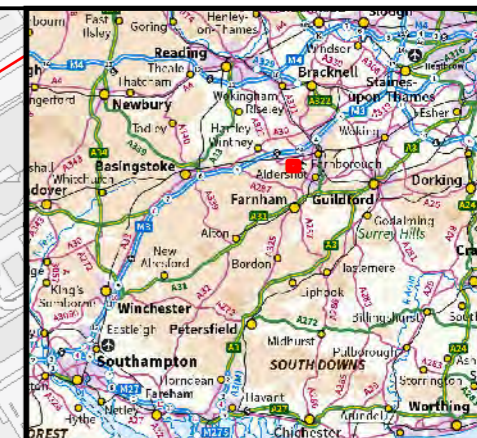
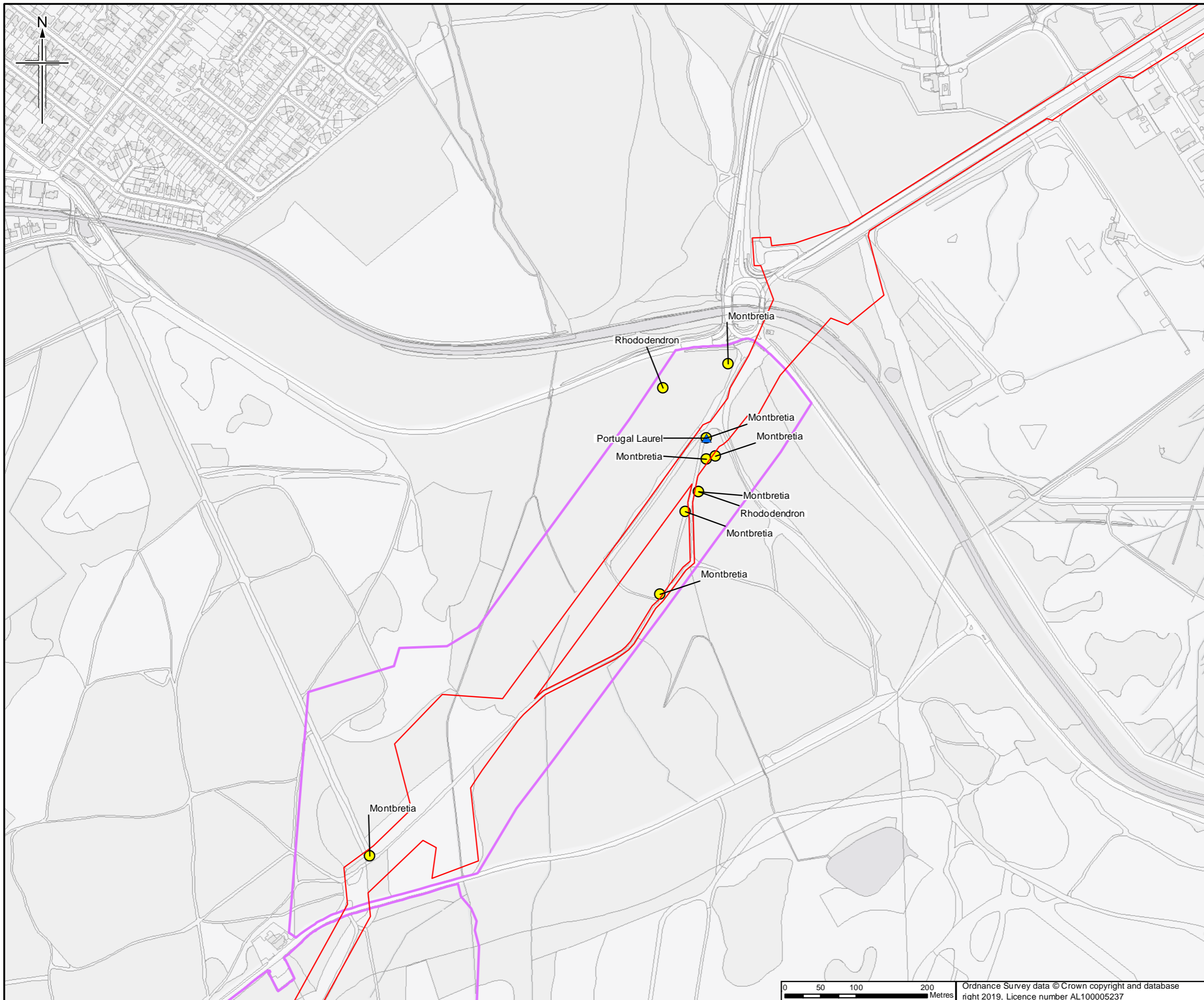
Client
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Project

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Pipeline Project

Drawing title
 APPENDIX 7.1 HABITATS AND
 BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF BOURLEY AND LONG VALLEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
Scale	1:5,000 @ A3	DO NOT SCALE
Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001450	
Drawing number	Figure 7.1.98 Sheet 2 of 3	Rev 0



- Legend**
- ▭ Order Limits
 - ▭ Survey site boundary
 - ▲ INNS
 - Schedule 9

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0	5/3/2019	For Issue		JH	NS	DM SH

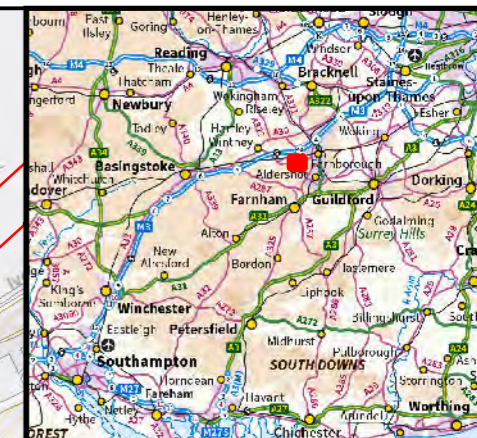
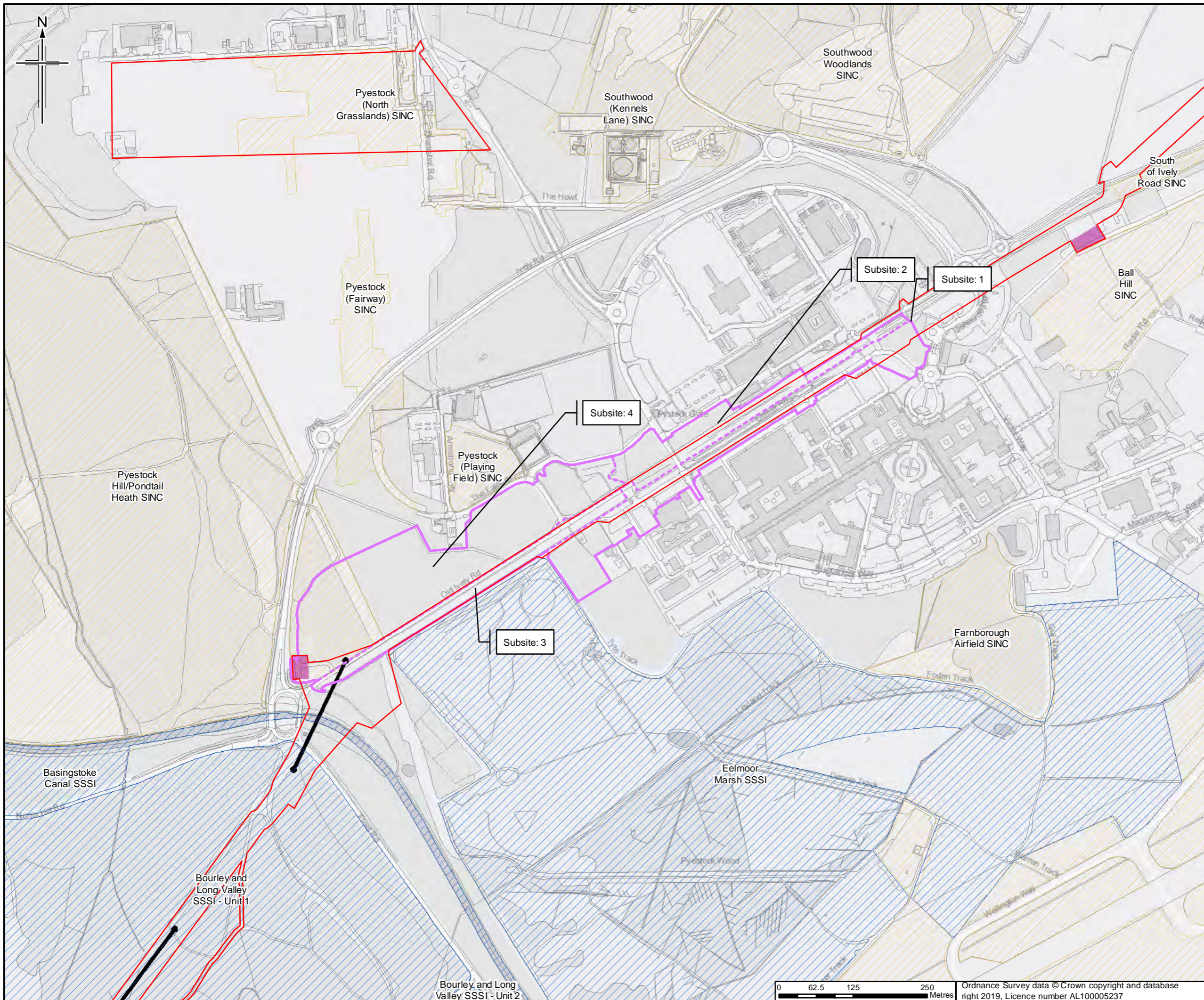
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS
 RECORDED DURING
 SURVEY OF BOURLEY AND LONG VALLEY
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Jacobs No.	B2325300	
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001450	
Drawing number	Figure 7.1.98 Sheet 3 of 3	Rev 0



- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SSSI
 - SINC/SNCI
 - Survey site boundary
 - Survey subsite boundary

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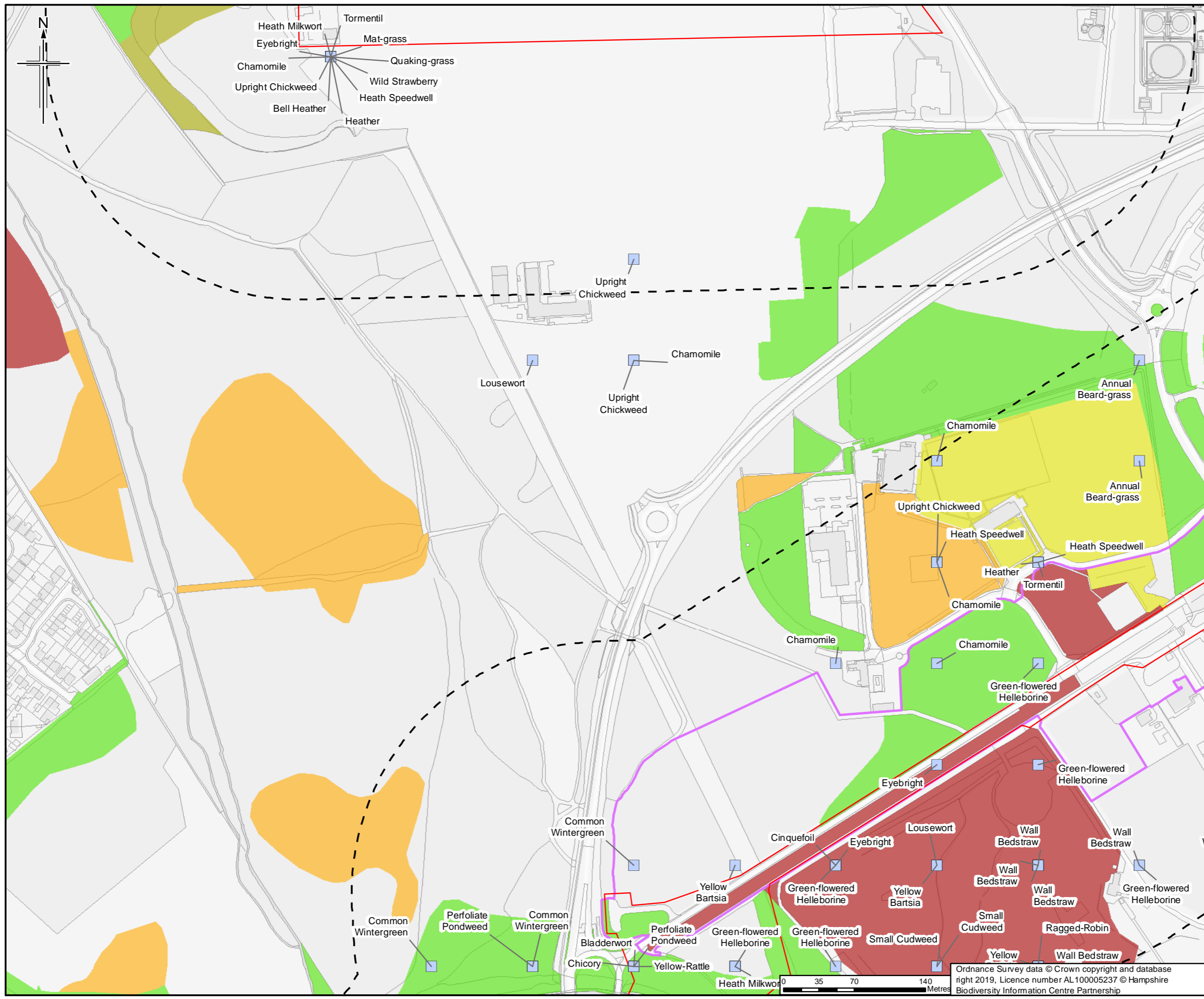
Client
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 OLD IVELY ROAD
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue
Scale	1:6,000 @ A3 DO NOT SCALE
Jacobs No.	B2325300
ProjectWise No.	B2325300-JAC-000-ENV-DRG-001451
Drawing number	Figure A7.1.99 Sheet 1 of 1
	Rev 0

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- Heath Milkwort
- Eyebright
- Chamomile
- Upright Chickweed
- Bell Heather
- Tormentil
- Mat-grass
- Quaking-grass
- Wild Strawberry
- Heath Speedwell
- Heather



Legend

- Order Limits
- Order Limits 250m buffer
- Survey site boundary
- Notable plants (recorded to at least 100m precision)

Priority Habitat (Hampshire Biodiversity Information Centre)

- Lowland Dry Acid Grassland
- Lowland Heathland
- Lowland Meadows
- Lowland Mixed Deciduous Woodland
- Wet Woodland

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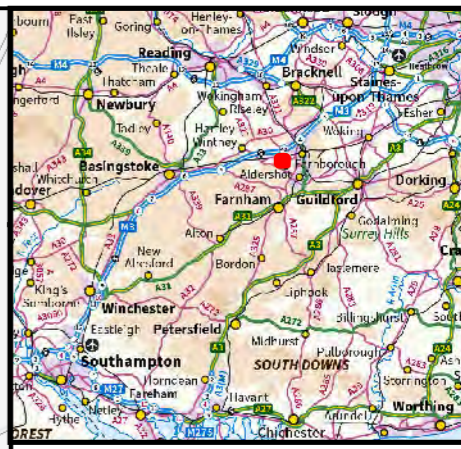
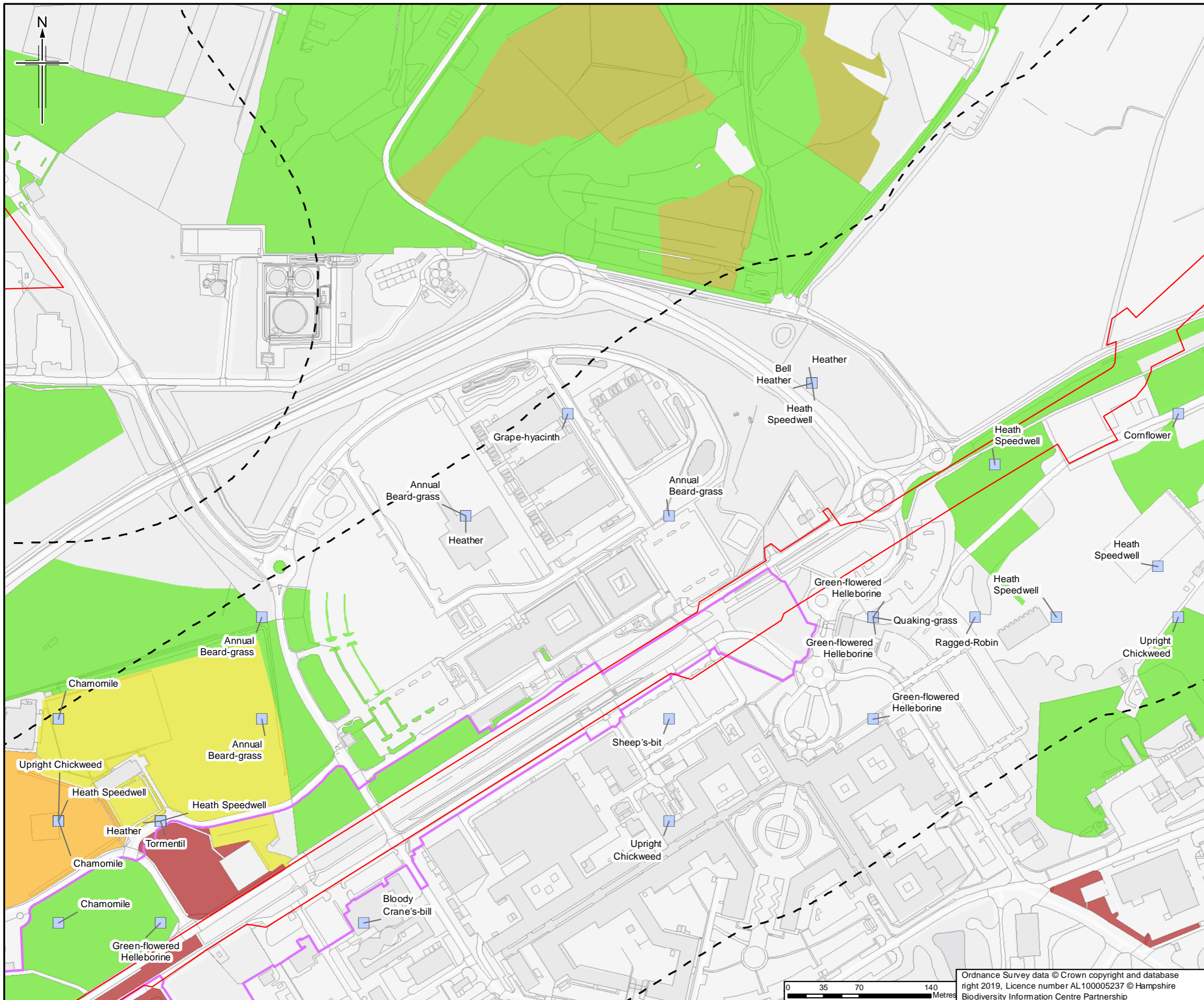
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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT**
BACKGROUND HABITAT AND BOTANICAL RECORDS FOR OLD MELLY ROAD
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
Scale	1:3,500 @ A3 DO NOT SCALE
Jacobs No.	B2325300
Project/Wise No.	B2325300-JAC-000-ENV-DRG-001452
Drawing number	Figure A7.1.100 Sheet 1 of 2
	Rev 0

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- Legend**
- Order Limits
 - Order Limits 250m buffer
 - Survey site boundary
 - Notable plants (recorded to at least 100m precision)
- Priority Habitat (Hampshire Biodiversity Information Centre)**
- Lowland Dry Acid Grassland
 - Lowland Heathland
 - Lowland Meadows
 - Lowland Mixed Deciduous Woodland
 - Wet Woodland

Sheet displays part of Section D

Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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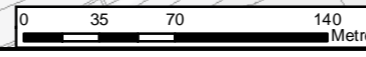
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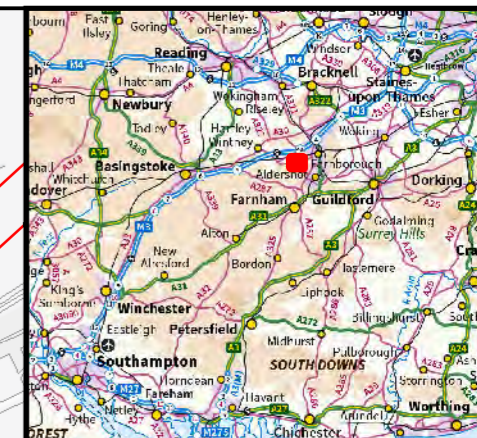
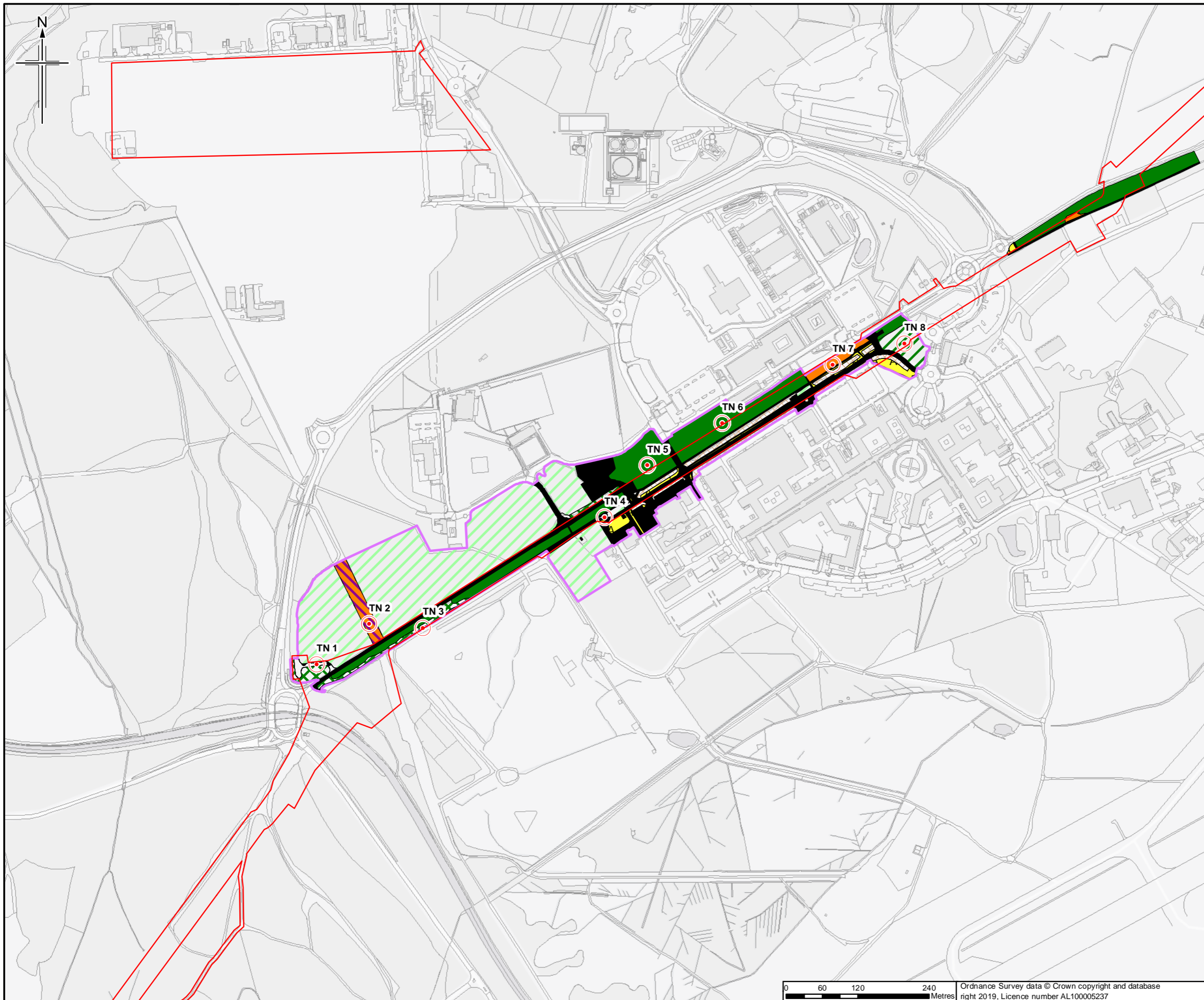
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BACKGROUND HABITAT AND BOTANICAL RECORDS FOR OLD MELDY ROAD
APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
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Jacobs No.	B2325300
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Drawing number	Figure A7.1.100 Sheet 2 of 2
	Rev 0

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Legend
 [Red outline] Order Limits
 [Purple outline] Survey site boundary
For Phase 1 Legend please see Figure A7.1.195

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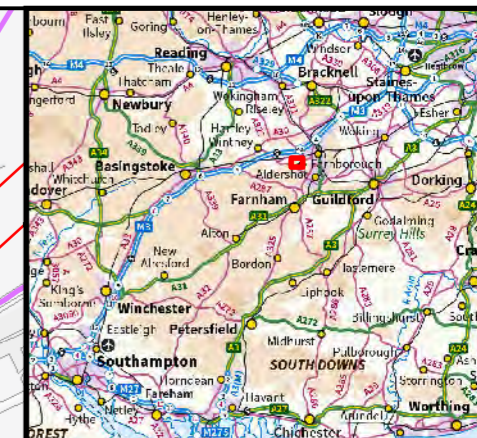
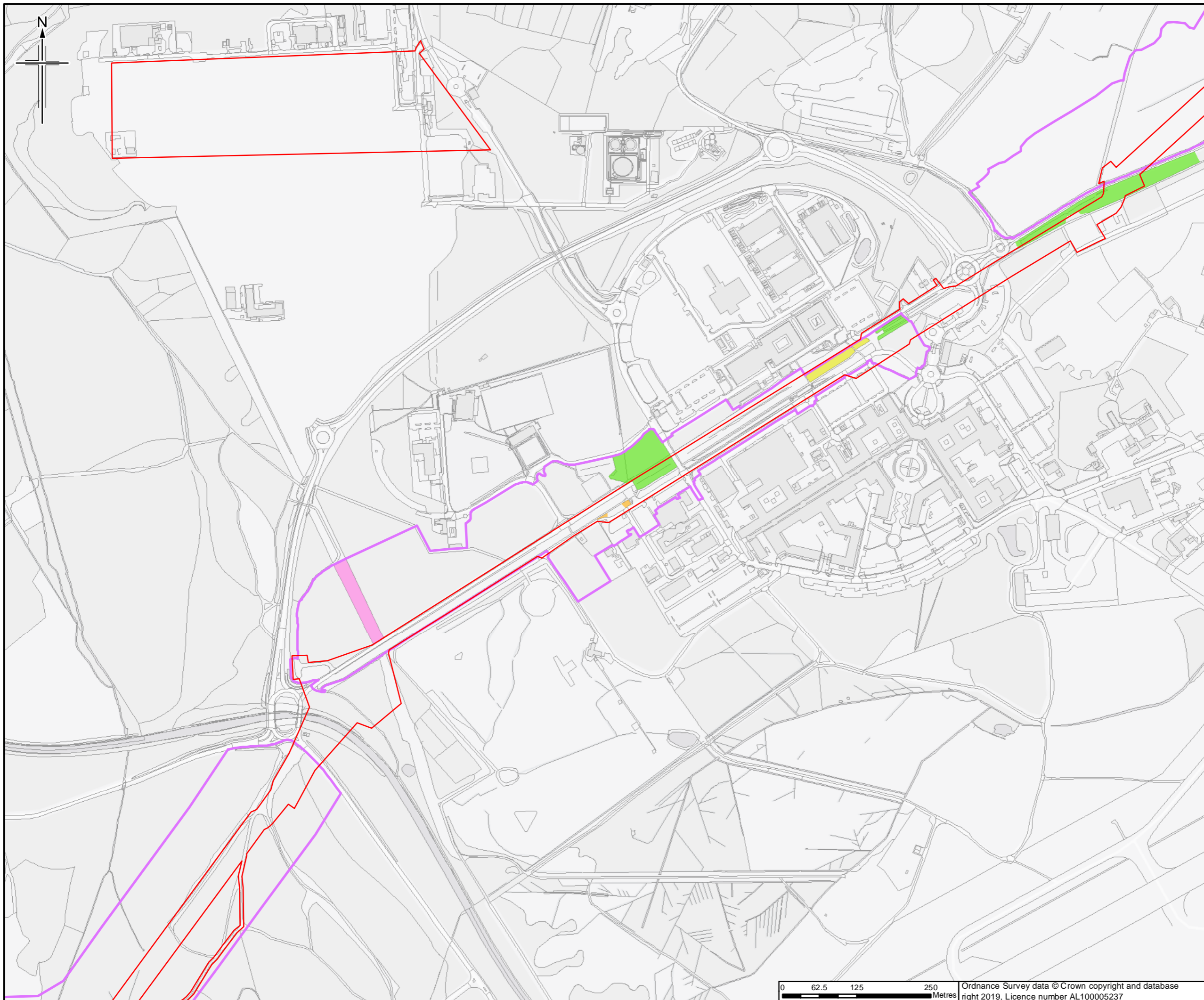
Project
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PHASE 1 HABITAT PLAN OF OLD IVELY ROAD
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001453
Drawing number	Figure A7.1.101 Sheet 1 of 1
Rev	0

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- Legend**
- Order Limits
 - Survey site boundary
- Priority Habitat**
- Lowland Dry Acid Grassland
 - Lowland Meadows
 - Lowland Mixed Deciduous Woodland
 - Purple Moor-grass and Rush Pastures

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Rev.	Rev. Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
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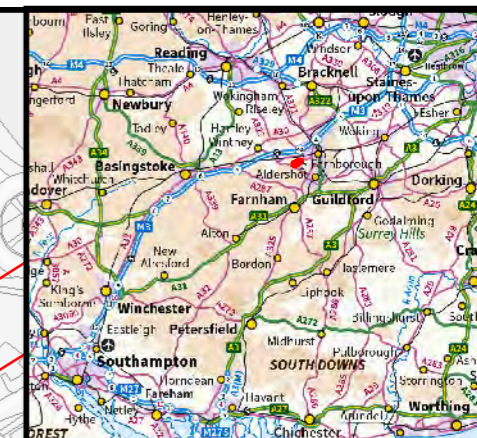
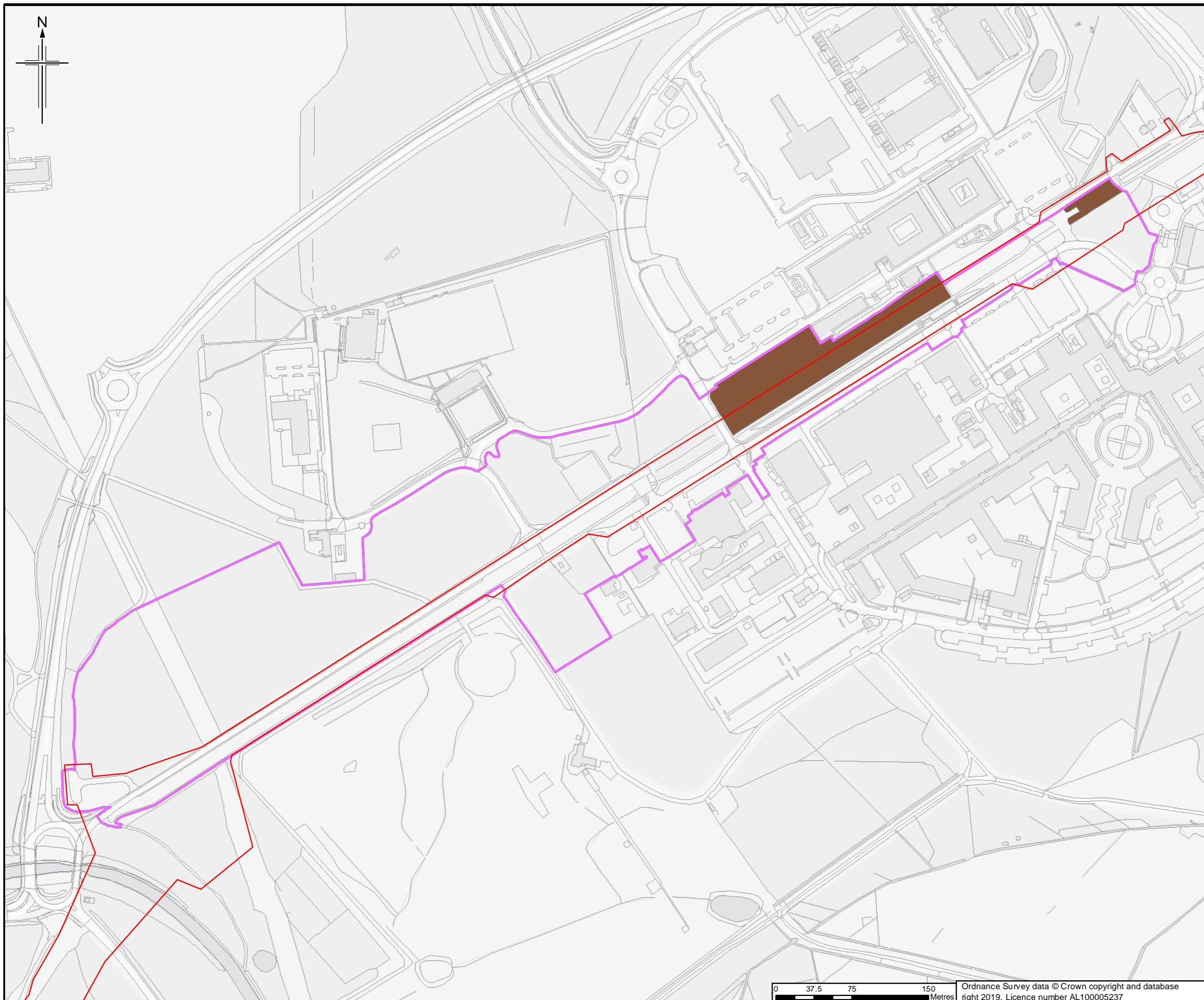
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 PRIORITY HABITAT PLAN OF
 OLD IVELY ROAD
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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Drawing number	Figure A7.1.102 Sheet 1 of 1	Rev 0



- Legend**
- Order Limits
 - Survey site boundary
- Annex I habitat**
- H9190 Old acidophilous oak woods with *Quercus robur* on sandy plains

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Rev.	Date	Purpose of revision	Orig/Dwn	Checked	Rev'd	Apprv'd
0	14/03/2019	For Issue		JH	NS	DM SH

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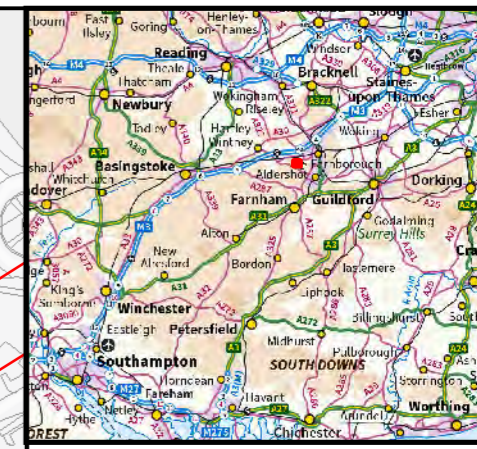
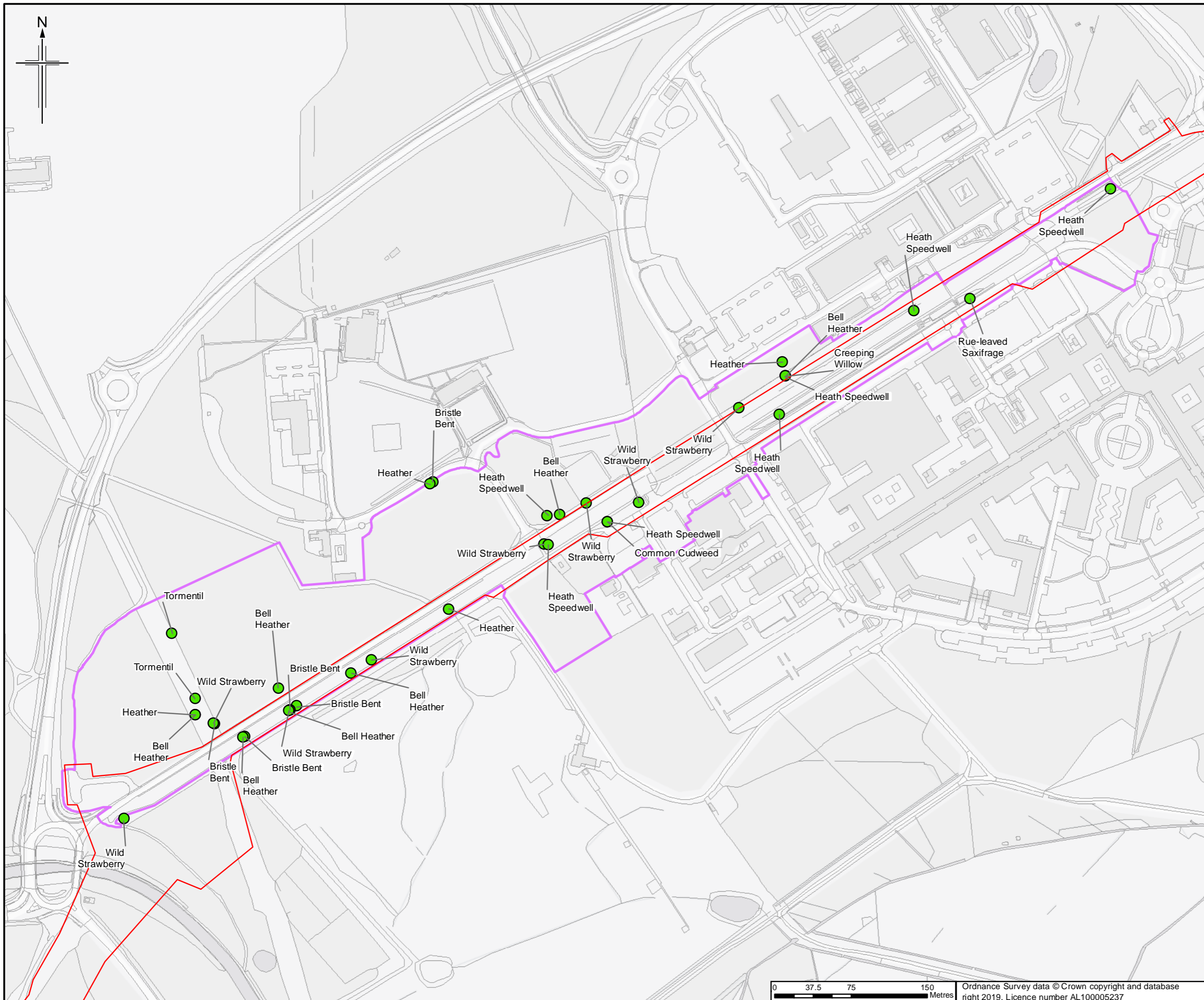
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Drawing title

APPENDIX 7.1 HABITATS AND BOTANY REPORT
 ANNEX I HABITAT PLAN OF OLD IVELY ROAD
 APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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- Legend**
- Order Limits
 - Survey site boundary
 - Notable plants

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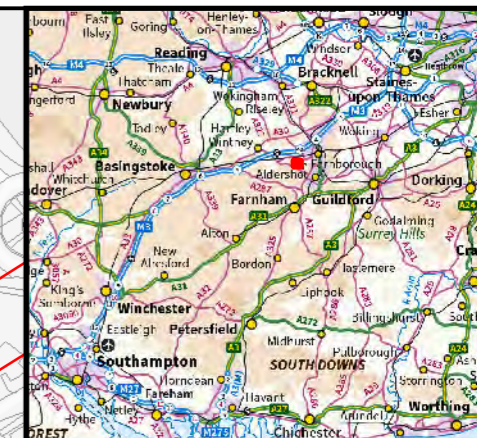
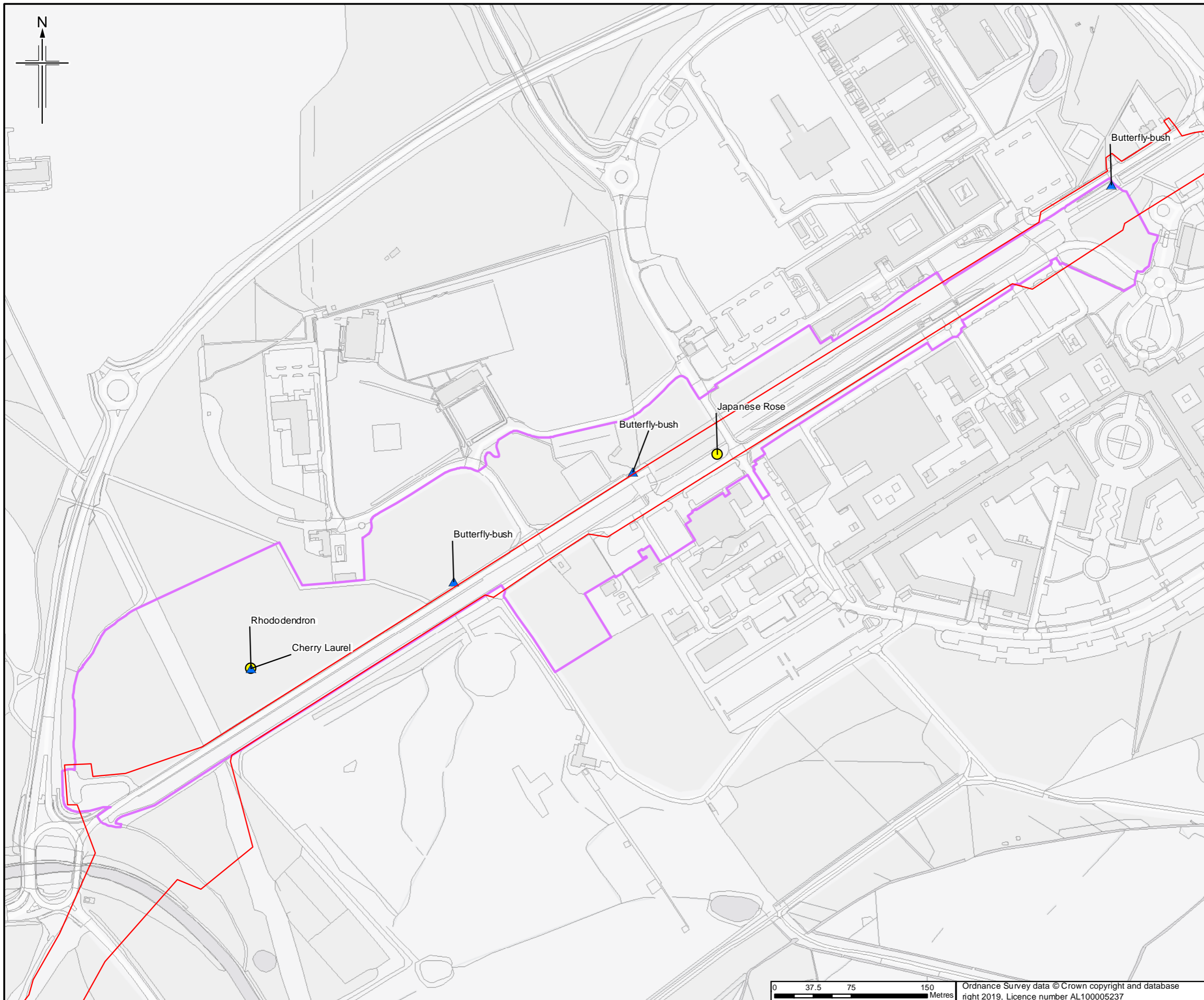
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 NOTABLE PLANTS RECORDED DURING SURVEY OF OLD IVELY ROAD**

APFP Reg. (2009) 5(2)(l)

Drawing Status	For Issue	
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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001456	
Drawing number	Figure A7.1.104 Sheet 1 of 1	Rev 0



- Legend**
- ▭ Order Limits
 - ▭ Survey site boundary
 - Invasive non-native plants**
 - ▲ INNS
 - Schedule 9

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0	5/3/2019	For Issue		JH	NS	DM SH

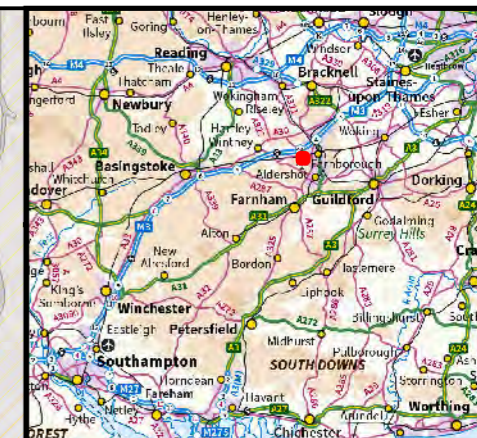
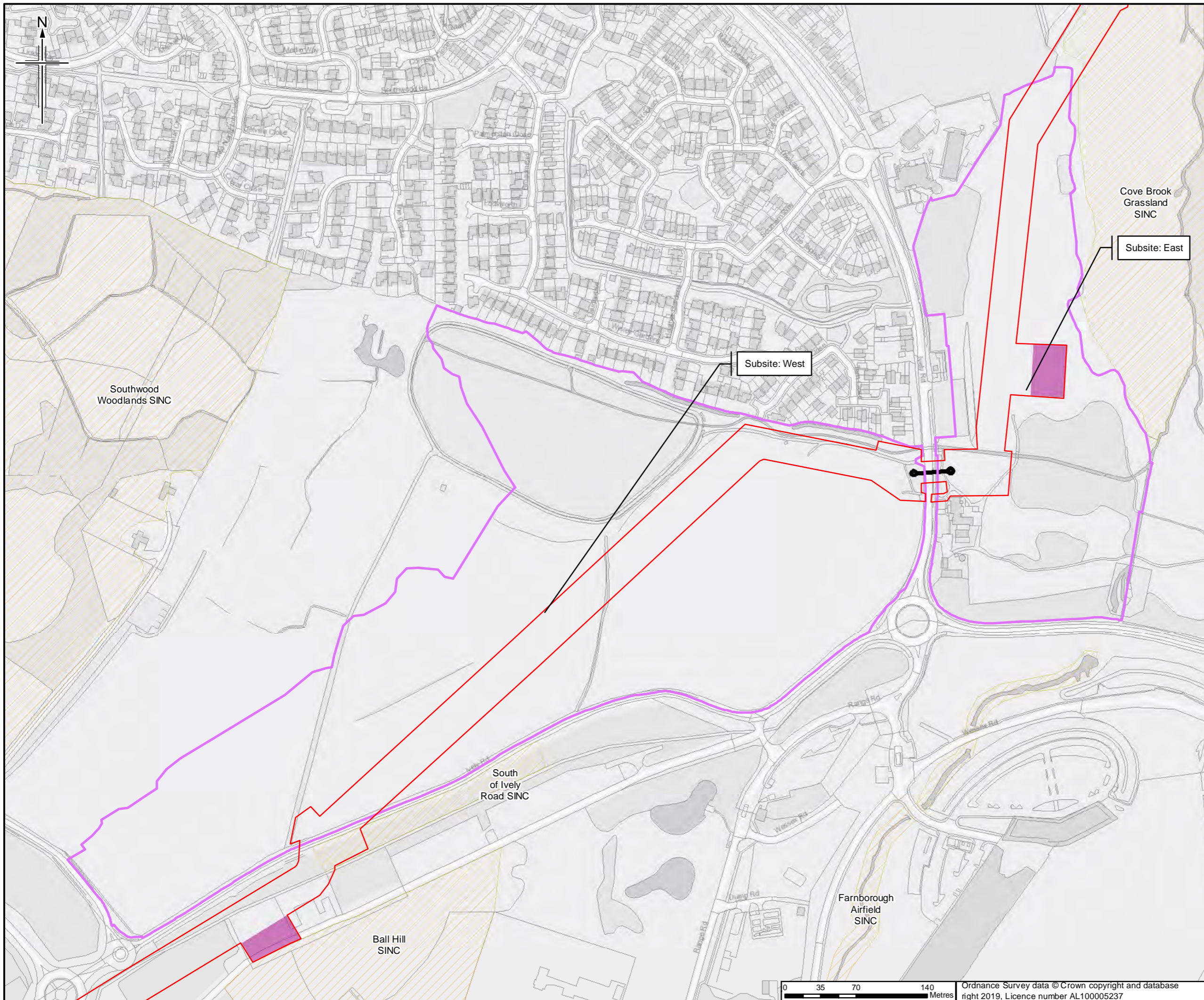
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Drawing title
 APPENDIX 7.1 HABITATS AND BOTANY REPORT
 INVASIVE NON-NATIVE PLANTS RECORDED DURING SURVEY OF OLD IVELY ROAD
 APFP Reg. (2009) 5(2)(l)

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ProjectWise No.	B2325300-JAC-000-ENV-DRG-001457	
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- Legend**
- Order Limits
 - Construction compound
 - Trenchless crossing
 - SINC/SNCI
 - Survey site boundary

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Rev.	Date	Purpose of revision	Orig/Dwn	Checkd	Rev'd	Apprv'd
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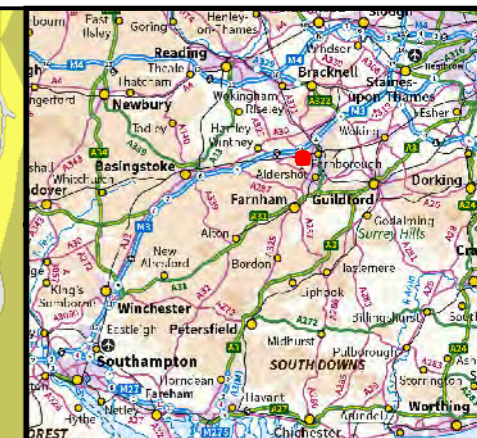
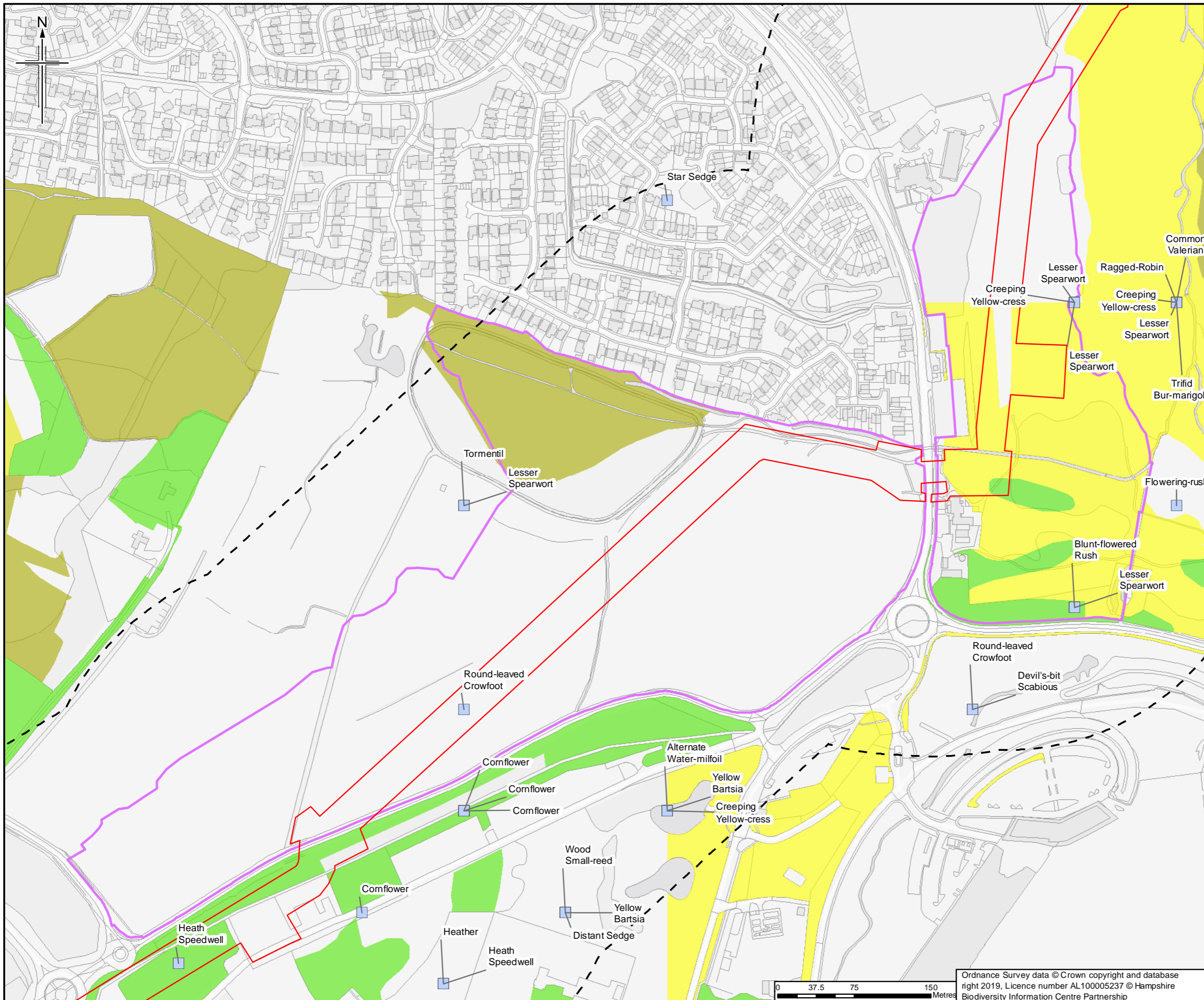
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Drawing title
**APPENDIX 7.1 HABITATS AND BOTANY REPORT
 SITE PLAN OF
 FORMER SOUTHWOOD GOLF COURSE
 APFP Reg. (2009) 5(2)(l)**

Drawing Status	For Issue	
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Legend

- Order Limits
- Order Limits 250m buffer
- Survey site boundary
- Notable plants (recorded to at least 100m precision)

Priority Habitat (Hampshire Biodiversity Information Centre)

- Coastal and Floodplain
- Grazing Marsh
- Lowland Meadows
- Lowland Mixed Deciduous Woodland
- Wet Woodland

Sheet displays part of Section D and E

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Drawing title **APPENDIX 7.1 HABITATS AND BOTANY REPORT**
BACKGROUND HABITAT AND BOTANICAL RECORDS FOR FORMER SOUTHWOOD GOLF COURSE
 APFP Reg. (2009) 5(2)(l)

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Drawing number **Figure A7.1.107 Sheet 1 of 1** Rev **0**

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