



**CONSULTATION
REPORT: 5.1
APPENDICES VOL. 3.2
PEIR PART 3**

DECARBONISATION

Cory Decarbonisation Project

PINS Reference: EN010128

March 2024



Figure 21



Figure 22



Figure 21

North-east facing view showing the large pond in the southern part of the Site Boundary and the Munster Joinery warehouse in the background (WSP 2023)

Figure 22

North facing view from the southern part of the Site Boundary showing the existing Riverside 1 facility and the Middleton Jetty (WSP 2023)



Figure 23



Figure 24



Figure 23

South-east facing view showing construction work taking place at the northern end of the Site Boundary to the west of the Riverside 1 facility (WSP 2023)

Figure 24

North-east facing view showing the Middleton Jetty (WSP 2023)



Figure 25



Figure 26



Figure 25
North-east facing view showing the disused Belvedere Power Station Jetty (WSP 2023)

Figure 26
South facing view showing the Grade I listed main engine house and the Grade II listed workshop ranges at Crossness Pumping Station (WSP 2023)



Figure 27



Figure 28



Figure 27

South-east facing view from Crossness Pumping Station towards the Site Boundary, showing the existing Riverside 1 facility (WSP 2023)

Figure 28

North-west facing view from the southern part of the Site Boundary towards Crossness Pumping Station (WSP 2023)



Figure 29



Figure 30

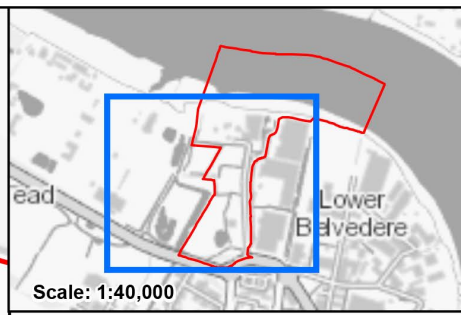
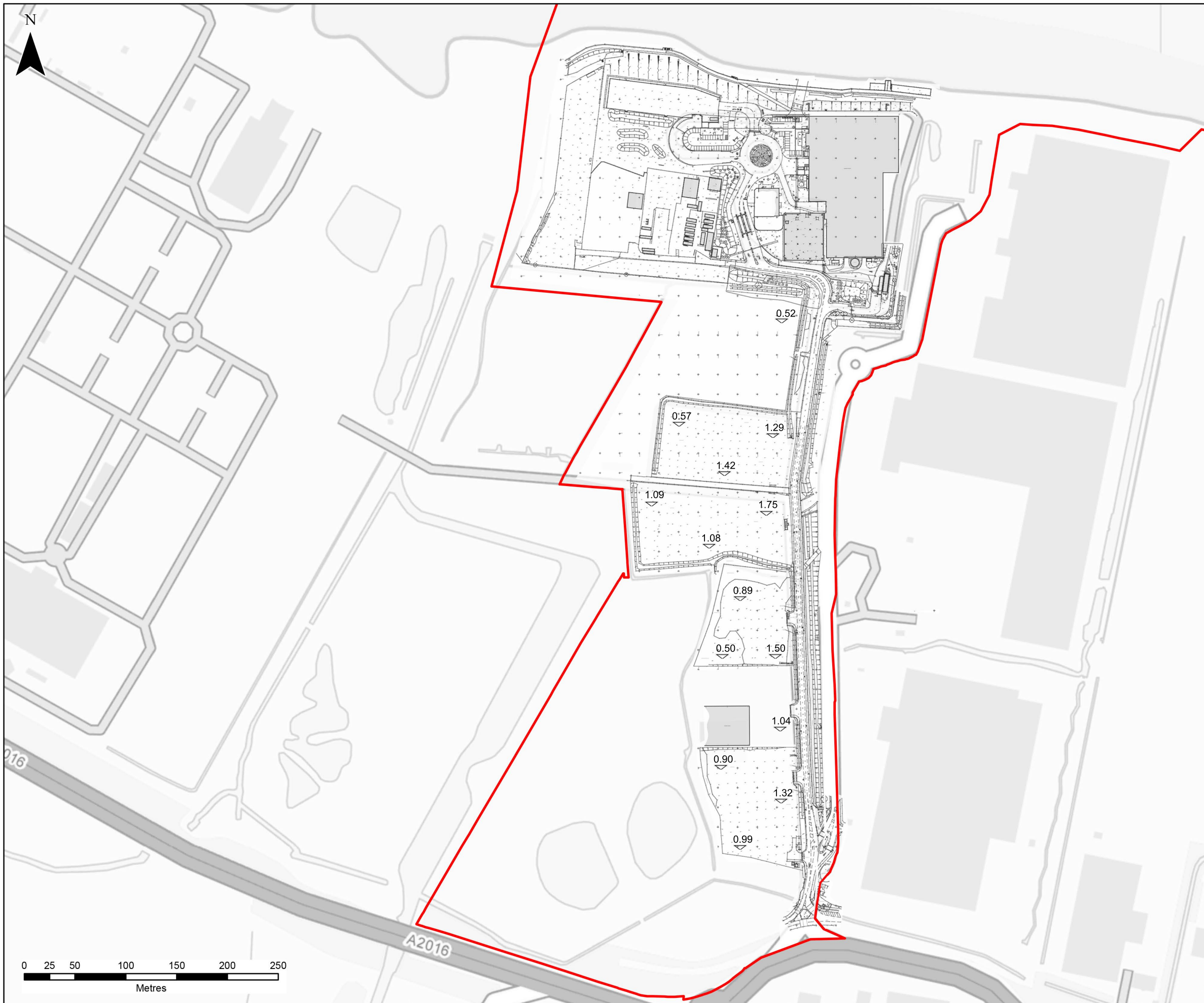


Figure 29

North facing view from Crossness Pumping Station across the River Thames showing the Grade II listed Jetty Number 4 at Dagenham Dock (WSP 2023)

Figure 30

North-west facing view from the northern end of the Site Boundary showing the Grade II listed Jetty Number 4 at Dagenham Dock (WSP 2023)



Legend
 Site Boundary

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P00	RK	JS	MR	14/09/2023
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FIRST DRAFT ISSUE

REVISION	DRAWN	CHECKED	APPROVED	DATE
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PROJECT TITLE:
CORY DECARBONISATION PROJECT

DRAWING TITLE:
**FIGURE 31
 TOPOGRAPHICAL SURVEY SHOWING CURRENT
 SITE LEVELS IN METRES ABOVE ORDNANCE
 DATUM ACROSS THE SITE BOUNDARY
 (MALTBY SURVEYS, 21/11/100-OVERVIEW,
 DATED DECEMBER 2021)**

CONFIDENTIALITY
 PUBLIC

DRAWN: RK	CHECKED: JS	APPROVED: MR	AUTHORISED: MR
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SCALE @ A3 SIZE: 1:350NTS	DATE: 14/09/2023	REVISION: P00
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DRAWING NUMBER: 31



**TECHNICAL APPENDIX 12-1:
IN-COMBINATION CLIMATE
CHANGE IMPACTS
ASSESSMENT**

DECARBONISATION

Cory Decarbonisation Project

APPENDIX 12-1: IN-COMBINATION CLIMATE CHANGE IMPACTS ASSESSMENT

INTRODUCTION

The In-combination Climate Change Impacts (ICCI) assessment is presented in **Table 1** below. The assessment considers the extent to which climate change exacerbates or ameliorates the potential effects identified within each of the technical assessments presented in **Chapters 5: Air Quality (Volume 1)** to **Chapter 11: Water Environment and Flood Risk (Volume 1)** and **Chapter 13: Greenhouse Gases (Volume 1)** to **Chapter 20: Major Accidents and Disasters (Volume 1)**.

The ICCI assessment presented in this technical appendix has been informed by a summary of the future baseline presented within **Chapter 12: Climate Resilience (Volume 1)**. Professional judgement has been used to assess how potential effects presented within the technical assessments will be affected by climate change.

This assessment and the mitigation identified will be updated following ongoing design development and presented as part of the Environmental Statement (ES).

IN-COMBINATION CLIMATE CHANGE IMPACTS ASSESSMENT

Table 12-1: In-Combination Climate Change Impacts Assessment

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
Chapter 5: Air Quality	<ul style="list-style-type: none"> • Extreme temperature events. • Drought. 	<p>During the construction phase, climate change could result in persistent meteorological conditions that either act to increase risk from dust deposition (prolonged drought) or to decrease risk (prolonged unsettled weather).</p> <p>During the operation phase, climate change might affect dispersion patterns, but is unlikely to significantly change the magnitude of the change in ground level concentrations between the baseline and Proposed Scheme scenarios.</p> <p>For ecological receptors, there is the potential that climate change could increase the susceptibility of habitats to increased stresses from air pollution. Ecological effects are, however, assessed within the Chapter 7: Terrestrial Biodiversity (Volume 1).</p>	<p>No additional mitigation required beyond those measures set out in Chapter 5: Air Quality (Volume 1), which are considered sufficient to address risks from increased air pollution.</p>
Chapter 6: Noise and Vibration	<ul style="list-style-type: none"> • Extreme temperature events. • Drought. • Gales, high winds and storms. 	<p>Increased and extreme temperatures, change in wind speed and humidity can affect the propagation of noise.</p> <p>Construction noise will be managed through the measures set out in the OCoCP and due to the relatively short construction period, the</p>	<p>No additional mitigation required beyond those measures set out in Chapter 6: Noise and Vibration (Volume 1) as these remain effective in the context of anticipated climate change scenarios.</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
		<p>potential in-combination impacts resulting from climate change are not expected to exacerbate the construction noise and vibration impacts reported in the technical chapter.</p> <p>The changes in wind speed and humidity are unlikely to significantly amplify noise and vibration during the operational phase of the Proposed Scheme.</p>	
<p>Chapter 7: Terrestrial Biodiversity</p>	<ul style="list-style-type: none"> • Changes in annual average precipitation. • Extreme precipitation events (flooding). • Drought; • Changes in annual average temperature. • Extreme temperature events. 	<p>Impacts on species are considered to include changes in distribution and abundance, the timing of seasonal events and habitat use and, consequential changes in the composition of plant and animal communities. Habitats and ecosystems are also likely to change in character.</p> <p>There is strong evidence that climate change is affecting UK terrestrial biodiversity, as described in Chapter 7: Terrestrial Biodiversity (Section 7.6).</p> <p>Although there may be some changes in species populations and distribution in the longer term, the majority of species and habitats included within the technical assessment are likely to remain stable in the short term (construction phase of the</p>	<p>The planting proposed within the design of the Proposed Scheme should contain multiple plant and tree species to reduce the risk of potential invasive species dominating the Mitigation Area and maximising resilience against potential for pests and diseases. Planting proposals for species selection should specify selection of drought-resistant species. Planting proposals will be outlined in the Outline Landscape and Environmental Management Plan (OLEMP) and the Design Approach Document (DAD). Additional mitigation is outlined in Chapter 7: Terrestrial Biodiversity (Volume 1).</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
		<p>Proposed Scheme). It is therefore considered unlikely that the ecological baseline will change significantly during construction.</p> <p>There may be some changes to species populations and distribution in the longer term and throughout the operation of the Proposed Scheme. However, it is difficult to predict, with considerable confidence, the likely response of the key ecological features to climatic change.</p>	
<p>Chapter 8: Marine Biodiversity</p>	<ul style="list-style-type: none"> ● Extreme temperature events. ● Changes in annual average temperature. ● Gales, high winds and storms. ● Sea level rise. ● Storm surge and storm tide. 	<p>Impacts on species are considered to include changes in distribution and abundance, the timing of seasonal events and habitat use and, consequential changes in the composition of marine communities. Marine communities are also likely to change in character.</p> <p>There is strong evidence that climate change is affecting UK marine biodiversity, as described in Chapter 8: Marine Biodiversity (Section 8.6).</p> <p>Although there may be some changes in species populations and distribution in the longer term, the majority of species and habitats included within the technical assessment are likely to remain stable in the short term (construction phase of the</p>	<p>The installation of tidal terracing could increase the intertidal habitat. Such design enhancements, if applicable, will be outlined in the Outline Landscape and Environmental Management Plan (OLEMP) and the Design Approach Document (DAD).</p> <p>Additional mitigation is outlined in Chapter 8: Marine Biodiversity (Volume 1).</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
		<p>Proposed Scheme). It is therefore considered unlikely that the marine biodiversity baseline will change significantly during construction.</p> <p>There may be some changes to marine species populations and distribution in the longer term and throughout the operation of the Proposed Scheme. Notably:</p> <ul style="list-style-type: none"> • rising sea levels may result in an increase in the habitat available for subtidal species and a reduction for intertidal adapted species during the operation phase; and • changes in annual average temperature may lead to increases in water temperature within River Thames, which may result in increased habitat viability for Invasive and Non-Native Species (INNS). This may cause the degradation or loss of the benthic invertebrate and fish community in the surrounding area. <p>However, it is difficult to predict, with considerable confidence, the likely response of the key marine biodiversity features to climatic change.</p>	

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
<p>Chapter 9: Historic Environment</p>	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Changes in annual average temperature. ● Drought. ● Storm surge and storm tide. ● Sea level rise. 	<p>Increased rainfall, sea levels and storm events, leading to fluvial erosion poses a risk to archaeology (e.g., buried deposits preserved within the former floodplain environment, particularly any deposits within the foreshore).</p> <p>Drier summers could cause droughts and ground shrinkage. Greater extremes and fluctuations of temperature will increase thermal expansion and contraction of materials such as wood, stone, metal and paint. Where archaeological remains are present in waterlogged ground, drier conditions could lead to the degradation of such features and evidence (through drying out), leading to a loss of heritage significance. In all likelihood, this is not anticipated to lead to a significant elevated effect when considered in combination with the Historic Environment assessment (Chapter 9: Historic Environment (Volume 1)).</p> <p>In drier conditions, the risk of soil erosion increases, as well as soil shrinkage, which can cause subsidence, structural deformation and collapse. There are no standing historic buildings recorded on the site which would potentially be impacted by shrinkage.</p>	<p>No mitigation is proposed as the in-combination impacts would not result in any 'elevated' significant environmental effects and the effects will remain as reported in Chapter 9: Historic Environment (Volume 1).</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
Chapter 10: Townscape and Visual Impact	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Changes in annual average temperature. ● Gales, high winds and storms. ● Storm surge and storm tide. ● Sea level rise. 	<p>Potential increase in failed proposed mitigation planting and the management of new and existing planting due to heatwaves and drought.</p> <p>Potential loss of vegetation cover due to scorching leading to destabilisation of soil structure.</p> <p>Potential longer growing season, more vigorous vegetation growth in spring and autumn.</p> <p>Potential damage to planting from high winds and rain infiltration into surfaces and materials.</p> <p>Soil erosion leading to destabilisation.</p>	<p>The planting proposed within the design of the Proposed Scheme shall consider species selection, mixes and avoidance of single species used in mitigation planting, for example, sourcing from local suppliers and ensuring species are suitable for local conditions, resilient to threats, pests, climate change and diseases. Such measures will be outlined in the Outline Landscape and Environmental Management Plan (OLEMP) and the Design Approach Document (DAD). Consideration of Sustainable Urban Drainage systems (SuDs) in design to be included as part of the Outline Drainage Strategy for the Proposed Scheme.</p> <p>Additional mitigation is outlined in Chapter 10: Townscape and Visual Impact (Volume 1).</p>
Chapter 11: Water Environment and Flood Risk	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Changes in annual average temperature. 	<p>The most likely change would be associated with an increase in peak river flows and peak rainfall intensity. The Proposed Scheme is located within a Flood Zone 3 designated area. Peak rainfall intensity may increase as a result of climate change, which could</p>	<p>The FRA (which will form a technical appendix to Chapter 11: Water Environment and Flood Risk (Volume 1) of the ES) will utilise the Environment Agency's Thames Estuary 2100 water levels, to inform the design of the Proposed Scheme. This Environment</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
	<ul style="list-style-type: none"> • Gales, high winds and storms. • Drought. • Storm surge and storm tide. • Sea level rise. 	<p>potentially increase the risk of surface water flooding to the Proposed Scheme.</p> <p>This may increase the frequency of flood risk to identified receptors and increase the extend of Flood Zone 3, resulting in a greater area of the Proposed Scheme being at risk of fluvial flooding.</p> <p>Potentially drier summers, including drought, could lead to increasing soil moisture deficit and reduce groundwater storage and thus overall groundwater levels.</p> <p>Changes in groundwater flow and levels.</p> <p>Increase flood risk, increased discharge volume and surface water run-off.</p>	<p>Agency study incorporates the effects of climate change on extreme precipitation events, storm surge/storm tides and sea level rise.</p> <p>The Outline Drainage Strategy for the Proposed Scheme will be developed to account for future increases in extreme rainfall in accordance with the Environment Agency’s guidance.</p> <p>No additional mitigation required beyond those measures set out in Chapter 11: Water Environment and Flood Risk (Volume 1).</p>
<p>Chapter 13: Greenhouse Gases</p>	<p>Not applicable.</p>	<p>Anthropogenic GHG emissions are contributing to global warming; anything that increases or decreases GHG emissions is therefore inherently linked to climate change. The Proposed Scheme enables the long term storage of carbon dioxide and therefore aims to counter current increases of carbon emissions in the atmosphere.</p> <p>No impacts are anticipated.</p>	<p>No additional mitigation required beyond those measures set out in Chapter 13: Greenhouse Gases (Volume 1) as climate change is a result of the accumulation of greenhouse gases in the atmosphere.</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
Chapter 14: Population, Health and Land Use	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Gales, high winds and storms. ● Drought. ● Storm surge and storm tide. ● Sea level rise. 	<p>Increased frequency and intensity of storm events lead to reduced opportunity for the general population to access and enjoy open space and nature, reduced suitability of conditions for active travel options.</p>	<p>No additional mitigation required beyond those measures set out in Chapter 14: Population, Health and Land Use (Volume 1), which are considered sufficient to address any risks to population, human health and land use.</p>
Chapter 15: Socio-economics	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Changes in annual average temperature. ● Gales, high winds and storms. ● Drought. ● Storm surge and storm tide. ● Sea level rise. 	<p>Access to the Site being severed from flooding during construction works.</p> <p>Access to car parking and land being severed from flooding at the Site and in the surrounding area.</p>	<p>No additional mitigation required beyond those measures set out in Chapter 15: Socio-economics (Volume 1). Any potential impacts associated with flooding is covered in Chapter 11: Water Environment and Flood Risk (Volume 1).</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
Chapter 16: Materials and Waste	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Gales, high winds and storms. ● Drought. 	Stockpiles of bulk material assets may be compromised, or damaged during extreme weather events, adversely impacting the quality of raw construction materials.	Additional mitigation will be set out in the ES and the operational procedures, including maintenance, will be set out in an OEMP, which will be prepared prior to the Proposed Scheme commencing operation. For more information see Chapter 16: Materials and Waste (Volume 1) .
Chapter 17: Ground Conditions and Soils	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Drought. 	Potential future increases or decreases in precipitation could affect groundwater quality underlying the Site as potential contaminants currently above the groundwater table could be mobilised.	No additional mitigation required beyond those measures set out in Chapter 17: Ground Conditions and Soils (Volume 1) , which are considered sufficient to address risks from the climate hazards identified.
Chapter 18: Landside Transport	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Changes in annual average temperature. ● Gales, high winds and storms. ● Drought. 	Potential for increased disruption due to increased frequency of transport routes becoming unviable or inaccessible. Climate change is not anticipated to alter the impacts reported in Chapter 18: Landside Transport (Volume 1) . The Framework Construction Traffic Management Plan (FCTMP), which will be an appendix to the OCoCP will consider vehicular routing.	No additional mitigation is required beyond those measures set out in Chapter 18: Landside Transport (Volume 1) .

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
<p>Chapter 19: Marine Navigation</p>	<ul style="list-style-type: none"> ● Extreme precipitation events (flooding). ● Extreme temperature events. ● Changes in annual average temperature. ● Gales, high winds and storms. ● Storm surge and storm tide. ● Sea level rise. 	<p>River levels are expected to rise as a result of climate change. Consequently, the water level will be higher relative to the Proposed Jetty deck level, resulting in a vessel sitting higher relative to the Proposed Jetty deck level and dolphins. This could have an effect on vessel mooring line angles, as well as the clearance of the deck. However, water level rise has been accounted for in the Proposed Jetty design, therefore there is no anticipated impact. River level rise has been accounted for in the design of the Proposed Jetty.</p> <p>Extreme flood events are likely to become more frequent and more severe (i.e. a higher water level), which will impact vessel movements, such as more difficult vessel control during the berthing and unberthing stages, and the positioning and vessel movement whilst at berth, which could result in increased strain on fenders, ropes and the vessel.</p> <p>Extreme flood events are likely to become more frequent and more severe (i.e. a higher water level).</p>	<p>No additional mitigation required beyond those measures set out in Chapter 19: Marine Navigation (Volume 1). This is due to rising and extreme water levels having been accounted for in the design of the Proposed Jetty, specifically the deck level of the loading platform, walkways, and dolphins.</p> <p>During extreme flood events, no berthing will be undertaken.</p>

EIA Topic	Climate Hazard	Potential Impacts of Climate Change	Mitigation
Chapter 20: Major Accidents and Disasters	<ul style="list-style-type: none"> • Extreme precipitation events (flooding). • Extreme temperature events. • Changes in annual average temperature. • Gales, high winds and storms; • Drought. • Storm surge and storm tide. • Sea level rise. 	<p>The potential MA&D events that have been considered within this chapter have been assessed against likely climate hazards, as set out within Chapter 12: Climate Resilience (Volume 1).</p>	<p>No additional mitigation required beyond those measures set out in Chapter 20: Major Accidents and Disasters (Volume 1). The vulnerability of the Proposed Scheme to the risk of MA&D events identified is not anticipated to change as a result of these climate hazards.</p>



**TECHNICAL APPENDIX 17-1:
GROUNDSURE REPORT**

DECARBONISATION

Cory Decarbonisation Project

549748.9002713361,180627.4144474817,

Order Details

Date: 12/09/2023
Your ref: Cory_
Our Ref: GS-6XS-IF7-RRK-KZI

Site Details

Location: 549637 180706
Area: 61.36 ha
Authority: [London Borough of Bexley](#) ↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 9 >](#)

OS MasterMap site plan

N/A: >10ha

groundsure.com/insightuserguide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	42	8	24	151	-
23 >	1.2 >	Historical tanks >	4	1	15	118	-
28 >	1.3 >	Historical energy features >	2	1	2	10	-
29	1.4	Historical petrol stations	0	0	0	0	-
29	1.5	Historical garages	0	0	0	0	-
29	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
30 >	2.1 >	Historical industrial land uses >	67	8	48	194	-
42 >	2.2 >	Historical tanks >	5	3	24	164	-
49 >	2.3 >	Historical energy features >	2	1	5	15	-
50	2.4	Historical petrol stations	0	0	0	0	-
51	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
52	3.1	Active or recent landfill	0	0	0	0	-
52	3.2	Historical landfill (BGS records)	0	0	0	0	-
53	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
53 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	3	-
54 >	3.5 >	Historical waste sites >	2	0	3	2	-
57 >	3.6 >	Licensed waste sites >	2	0	5	8	-
61 >	3.7 >	Waste exemptions >	0	0	20	41	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
67 >	4.1 >	Recent industrial land uses >	12	4	35	-	-
70	4.2	Current or recent petrol stations	0	0	0	0	-
71 >	4.3 >	Electricity cables >	4	0	2	2	-
71	4.4	Gas pipelines	0	0	0	0	-
72	4.5	Sites determined as Contaminated Land	0	0	0	0	-



72 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	2	0	3	-
72	4.7	Regulated explosive sites	0	0	0	0	-
73 >	4.8 >	Hazardous substance storage/usage >	0	0	2	5	-
74 >	4.9 >	Historical licensed industrial activities (IPC) >	5	0	4	17	-
77 >	4.10 >	Licensed industrial activities (Part A(1)) >	14	0	0	32	-
85 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	4	-
86	4.12	Radioactive Substance Authorisations	0	0	0	0	-
86 >	4.13 >	Licensed Discharges to controlled waters >	3	0	5	24	-
91	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
91 >	4.15 >	Pollutant release to public sewer >	0	0	1	3	-
91 >	4.16 >	List 1 Dangerous Substances >	0	0	0	16	-
92 >	4.17 >	List 2 Dangerous Substances >	0	0	0	36	-
94 >	4.18 >	Pollution Incidents (EA/NRW) >	1	1	4	6	-
96 >	4.19 >	Pollution inventory substances >	16	0	0	43	-
113 >	4.20 >	Pollution inventory waste transfers >	1	0	0	2	-
116	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
117 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
119 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
121 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
124 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
124 >	5.5 >	Groundwater vulnerability- local information >	Identified (within 0m)				
125 >	5.6 >	Groundwater abstractions >	0	0	0	0	19
130 >	5.7 >	Surface water abstractions >	0	2	0	0	2
132 >	5.8 >	Potable abstractions >	0	0	0	0	4
133	5.9	Source Protection Zones	0	0	0	0	-
133	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
134 >	6.1 >	Water Network (OS MasterMap) >	46	19	27	-	-



142	>	6.2	>	Surface water features	>	1	7	14	-	-
142	>	6.3	>	WFD Surface water body catchments	>	1	-	-	-	-
142	>	6.4	>	WFD Surface water bodies	>	1	0	0	-	-
143	>	6.5	>	WFD Groundwater bodies	>	1	-	-	-	-
Page	Section	River and coastal flooding				On site	0-50m	50-250m	250-500m	500-2000m
144	>	7.1	>	Risk of flooding from rivers and the sea	>	High (within 50m)				
145	>	7.2	>	Historical Flood Events	>	1	0	0	-	-
145	>	7.3	>	Flood Defences	>	13	10	1	-	-
146	>	7.4	>	Areas Benefiting from Flood Defences	>	1	0	0	-	-
147		7.5		Flood Storage Areas		0	0	0	-	-
148	>	7.6	>	Flood Zone 2	>	Identified (within 50m)				
149	>	7.7	>	Flood Zone 3	>	Identified (within 50m)				
Page	Section	Surface water flooding								
150	>	8.1	>	Surface water flooding	>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding								
152	>	9.1	>	Groundwater flooding	>	Moderate (within 50m)				
Page	Section	Environmental designations				On site	0-50m	50-250m	250-500m	500-2000m
153	>	10.1	>	Sites of Special Scientific Interest (SSSI)	>	0	0	0	0	3
154		10.2		Conserved wetland sites (Ramsar sites)		0	0	0	0	0
154		10.3		Special Areas of Conservation (SAC)		0	0	0	0	0
154		10.4		Special Protection Areas (SPA)		0	0	0	0	0
154		10.5		National Nature Reserves (NNR)		0	0	0	0	0
155	>	10.6	>	Local Nature Reserves (LNR)	>	1	0	0	0	6
155	>	10.7	>	Designated Ancient Woodland	>	0	0	0	0	1
156		10.8		Biosphere Reserves		0	0	0	0	0
156		10.9		Forest Parks		0	0	0	0	0
156		10.10		Marine Conservation Zones		0	0	0	0	0
156		10.11		Green Belt		0	0	0	0	0
156		10.12		Proposed Ramsar sites		0	0	0	0	0



157	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
157	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
157	10.15	Nitrate Sensitive Areas	0	0	0	0	0
157 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	2
159 >	10.17 >	SSSI Impact Risk Zones >	6	-	-	-	-
162 >	10.18 >	SSSI Units >	0	0	0	0	6

Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
165	11.1	World Heritage Sites	0	0	0	-	-
165	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
165	11.3	National Parks	0	0	0	-	-
165	11.4	Listed Buildings	0	0	0	-	-
166	11.5	Conservation Areas	0	0	0	-	-
166	11.6	Scheduled Ancient Monuments	0	0	0	-	-
166	11.7	Registered Parks and Gardens	0	0	0	-	-

Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
167 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
168	12.2	Open Access Land	0	0	0	-	-
168	12.3	Tree Felling Licences	0	0	0	-	-
168	12.4	Environmental Stewardship Schemes	0	0	0	-	-
168	12.5	Countryside Stewardship Schemes	0	0	0	-	-

Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
169 >	13.1 >	Priority Habitat Inventory >	20	8	18	-	-
171 >	13.2 >	Habitat Networks >	9	0	4	-	-
172 >	13.3 >	Open Mosaic Habitat >	0	0	1	-	-
172	13.4	Limestone Pavement Orders	0	0	0	-	-

Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
174 >	14.1 >	10k Availability >	Identified (within 500m)				
176 >	14.2 >	Artificial and made ground (10k) >	3	0	1	4	-
178 >	14.3 >	Superficial geology (10k) >	6	0	0	5	-



179	14.4	Landslip (10k)	0	0	0	0	-
180 >	14.5 >	Bedrock geology (10k) >	4	0	1	3	-
181	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
182 >	15.1 >	50k Availability >	Identified (within 500m)				
183 >	15.2 >	Artificial and made ground (50k) >	2	0	1	3	-
184 >	15.3 >	Artificial ground permeability (50k) >	3	0	-	-	-
185 >	15.4 >	Superficial geology (50k) >	3	0	0	1	-
186 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
186	15.6	Landslip (50k)	0	0	0	0	-
186	15.7	Landslip permeability (50k)	None (within 50m)				
187 >	15.8 >	Bedrock geology (50k) >	3	0	1	0	-
188 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
188	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
189 >	16.1 >	BGS Boreholes >	71	22	29	-	-
Page	Section	Natural ground subsidence >					
196 >	17.1 >	Shrink swell clays >	Low (within 50m)				
197 >	17.2 >	Running sands >	Moderate (within 50m)				
199 >	17.3 >	Compressible deposits >	High (within 50m)				
201 >	17.4 >	Collapsible deposits >	Negligible (within 50m)				
202 >	17.5 >	Landslides >	Very low (within 50m)				
203 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
205	18.1	BritPits	0	0	0	0	-
206 >	18.2 >	Surface ground workings >	28	0	5	-	-
207	18.3	Underground workings	0	0	0	0	0
207	18.4	Underground mining extents	0	0	0	0	-
207	18.5	Historical Mineral Planning Areas	0	0	0	0	-



208 >	18.6 >	Non-coal mining >	0	0	1	1	10
209	18.7	JPB mining areas	None (within 0m)				
209	18.8	The Coal Authority non-coal mining	0	0	0	0	-
210	18.9	Researched mining	0	0	0	0	-
210	18.10	Mining record office plans	0	0	0	0	-
210	18.11	BGS mine plans	0	0	0	0	-
210	18.12	Coal mining	None (within 0m)				
210	18.13	Brine areas	None (within 0m)				
211	18.14	Gypsum areas	None (within 0m)				
211	18.15	Tin mining	None (within 0m)				
211	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
212	19.1	Natural cavities	0	0	0	0	-
213 >	19.2 >	Mining cavities >	0	0	0	0	2
213	19.3	Reported recent incidents	0	0	0	0	-
213	19.4	Historical incidents	0	0	0	0	-
214	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
215 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
217 >	21.1 >	BGS Estimated Background Soil Chemistry >	33	2	-	-	-
219 >	21.2 >	BGS Estimated Urban Soil Chemistry >	89	24	-	-	-
223 >	21.3 >	BGS Measured Urban Soil Chemistry >	2	2	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
224	22.1	Underground railways (London)	0	0	0	-	-
224	22.2	Underground railways (Non-London)	0	0	0	-	-
225	22.3	Railway tunnels	0	0	0	-	-
225 >	22.4 >	Historical railway and tunnel features >	9	4	28	-	-
227	22.5	Royal Mail tunnels	0	0	0	-	-



227	22.6	Historical railways	0	0	0	-	-
227	22.7	Railways	0	0	0	-	-
227	22.8	Crossrail 1	0	0	0	0	-
227	22.9	Crossrail 2	0	0	0	0	-
228	22.10	HS2	0	0	0	0	-



Recent aerial photograph - 2022 aerial photograph



Aerial photography supplied by Getmapping PLC

Capture Date: 30/04/2022

Site Area: 61.36ha



Recent site history - 2021 aerial photograph



Capture Date: 17/07/2021

Site Area: 61.36ha



Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Date: 12 September 2023



Recent site history - 2018 aerial photograph



Capture Date: 01/09/2018

Site Area: 61.36ha



Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Date: 12 September 2023



Recent site history - 2010 aerial photograph



Capture Date: 24/04/2010

Site Area: 61.36ha



Recent site history - 1999 aerial photograph

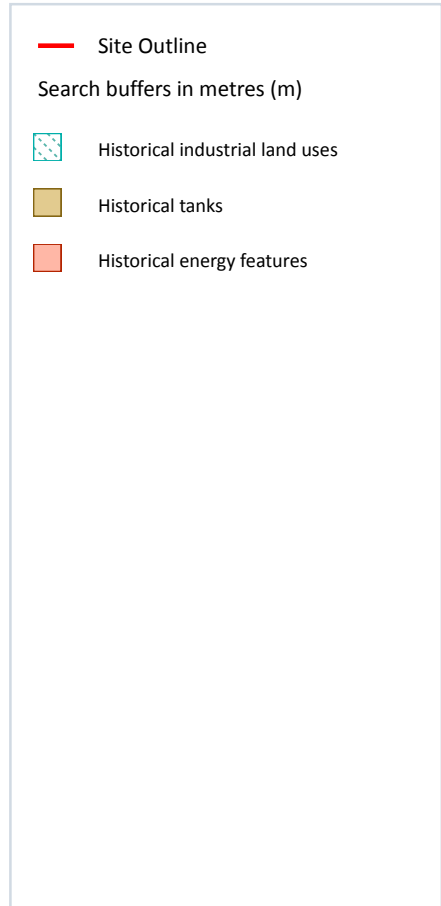


Capture Date: 06/09/1999

Site Area: 61.36ha



1 Past land use



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1.1 Historical industrial land uses

Records within 500m	225
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Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Heap	1907	2136975



ID	Location	Land use	Dates present	Group ID
2	On site	Unspecified Wharf	1967 - 1992	2241679
3	On site	Marshes	1898	2258254
4	On site	Refuse Heap	1969 - 1995	2268524
A	On site	Unspecified Pit	1921	2126011
A	On site	Unspecified Heap	1938	2136980
A	On site	Refuse Heap	1907	2197258
A	On site	Refuse Heap	1921 - 1938	2199130
A	On site	Refuse Heap	1915	2227133
A	On site	Refuse Heap	1907	2233094
A	On site	Refuse Heap	1949	2264411
B	On site	Unspecified Commercial/Industrial	1898	2131099
B	On site	Manure Works	1866	2142868
B	On site	Unspecified Wharf	1969	2157317
B	On site	Disused Bovril Mills	1898	2163886
B	On site	Unspecified Disused Mills	1895	2167090
B	On site	Railway Sidings	1895 - 1898	2173297
B	On site	Unspecified Mill	1969 - 1995	2192645
B	On site	Unspecified Mills	1889 - 1895	2207941
B	On site	Mills	1907 - 1915	2221114
B	On site	Unspecified Mills	1949	2226914
B	On site	Unspecified Mills	1907	2252569
B	On site	Mills	1921	2256667
B	On site	Unspecified Mills	1938	2259535
B	On site	Unspecified Mills	1921	2269812
C	On site	Oil Works	1898	2164653
C	On site	Fish Guano Works	1921	2194734
C	On site	Fish Guano Works	1949	2241268
C	On site	Fish Guano Works	1921 - 1938	2255530



ID	Location	Land use	Dates present	Group ID
C	On site	Fish Guano Works	1907 - 1915	2258621
D	On site	Marshes	1907 - 1915	2172068
D	On site	Marshes	1921	2229391
E	On site	Fish, Guano and Oil Works	1895	2174757
E	On site	Fish Works	1907	2198140
E	On site	Fish Works	1938	2287005
F	On site	Railway Sidings	1967 - 1973	2182204
F	On site	Unspecified Works	1955	2191374
F	On site	Unspecified Depot	1967 - 1973	2258743
G	On site	Magazine	1895	2227937
H	On site	Unspecified Works	1969	2236699
H	On site	Unspecified Works	1974 - 1995	2245491
I	On site	Unspecified Works	1969 - 1995	2270103
G	1m E	Powder Magazine	1877	2197419
5	4m E	Railway Sidings	1955	2256304
G	5m E	Powder Magazine	1863	2278120
F	6m E	Unspecified Works	1992	2169274
F	6m E	Unspecified Works	1992	2169275
G	6m E	Magazine	1895 - 1898	2229409
G	7m E	Magazine	1888	2252320
J	49m W	Magazine	1895	2217992
7	57m SW	Unspecified Works	1985 - 1995	2194901
8	58m SW	Unspecified Depot	1985 - 1995	2267663
J	63m W	Powder Magazine	1866	2145445
J	76m W	Magazine	1898	2157863
K	90m SW	Unspecified Depot	1974	2257777
9	103m E	Chimney	1969 - 1995	2255734
10	108m SW	Marshes	1899	2180988



ID	Location	Land use	Dates present	Group ID
11	119m S	Pumping Station	1985 - 1995	2280989
M	138m W	Sludge Lagoons	1983 - 1995	2290325
N	145m NE	Railway Sidings	1967 - 1974	2188488
N	145m NE	Railway Sidings	1938 - 1995	2221017
12	150m SE	Chimney	1969 - 1995	2273267
K	158m SW	Unspecified Warehouse	1985 - 1995	2250571
O	175m SE	Unspecified Tanks	1969 - 1995	2285757
16	185m S	Unspecified Warehouse	1985 - 1995	2179775
17	189m S	Railway Sidings	1974	2290636
18	190m S	Unspecified Works	1995	2160077
F	196m SE	Unspecified Tanks	1955	2144080
F	199m SE	Unspecified Tank	1967 - 1992	2291329
M	219m W	Road and Rail Wagon Works	1889	2151484
M	220m W	Railway Sidings	1895	2269022
19	243m S	Refuse Heap	1966 - 1974	2253699
M	247m W	Railway Sidings	1899	2230385
20	247m SW	Unspecified Ground Workings	1974	2134196
21	260m W	Unspecified Heap	1921	2136981
22	265m SW	Unspecified Heaps	1969	2160813
23	267m SW	Railway Sidings	1966	2251070
Q	275m N	Unspecified Commercial/Industrial	1940	2275543
R	278m N	Motor Cars Manufactory	1949	2151289
S	281m W	Unspecified Ground Workings	1907 - 1915	2285770
S	282m W	Unspecified Ground Workings	1921	2268230
S	283m W	Unspecified Ground Workings	1907	2235107
F	298m SE	Unspecified Tank	1973	2155471
F	298m SE	Unspecified Tank	1973	2155472
F	301m SE	Unspecified Tank	1973	2155470



ID	Location	Land use	Dates present	Group ID
25	303m W	Sewage Works	1969 - 1995	2266452
26	309m SW	Unspecified Factory	1985 - 1995	2293849
T	311m S	Unspecified Warehouse	1967	2138617
U	320m N	Railway Sidings	1921	2270176
F	324m SE	Unspecified Tanks	1992	2144079
V	326m NE	Railway Sidings	1940	2198989
U	331m N	Railway Sidings	1915	2287151
U	333m N	Railway Sidings	1938	2211946
U	334m N	Railway Sidings	1938	2261837
W	334m N	Refuse Heap	1938	2195471
X	334m NE	Railway Sidings	1921	2253435
28	336m NE	Refuse Heap	1938	2265695
U	336m N	Railway Sidings	1931	2261167
X	336m NE	Railway Sidings	1938	2220905
Y	337m NE	Marshes	1915	2203109
Y	337m NE	Marshes	1921	2221234
U	337m N	Unspecified Wharf	1973 - 1992	2187043
U	337m N	Unspecified Wharf	1967	2255516
X	339m NE	Railway Sidings	1921 - 1931	2188046
U	339m N	Unspecified Wharf	1940	2245687
Z	342m W	Unspecified Heap	1895	2136974
X	343m NE	Railway Sidings	1938	2180160
Y	347m NE	Marshes	1888	2241895
Z	348m W	Unspecified Tanks	1969 - 1995	2259472
X	348m NE	Railway Sidings	1915	2248121
AA	348m S	Unspecified Tank	1921	2231216
AA	349m S	Unspecified Tank	1907	2287547
AB	351m NE	Unspecified Commercial/Industrial	1921	2286088



ID	Location	Land use	Dates present	Group ID
AA	351m S	Tank	1915	2140313
AC	352m NE	Railway Buildings	1931	2163711
X	352m NE	Railway Building	1921	2258669
X	356m NE	Railway Buildings	1931	2163712
R	358m N	Motor Works	1974 - 1983	2251088
R	358m N	Motor Works	1995	2256104
R	358m N	Unspecified Works	1969	2265066
X	360m NE	Railway Building	1915	2190432
X	360m NE	Railway Building	1921	2249931
U	363m N	Railway Building	1915	2150049
AE	363m N	Candle Manufactory	1889	2194654
X	364m NE	Railway Building	1921	2150047
AC	364m NE	Railway Building	1921	2271791
AE	364m N	Candle Manufactory	1907	2237920
29	364m NE	Cement Works	1895	2265419
AF	364m NE	Refuse Heap	1895	2200602
X	364m NE	Railway Building	1931	2241727
AF	365m NE	Refuse Heap	1888	2253697
AF	365m NE	Cement Works	1888	2266121
AF	366m NE	Refuse Heap	1907	2215617
X	367m NE	Railway Building	1915	2184714
AE	368m N	Candle Factory	1895	2129013
30	369m N	Dock	1938	2192303
AG	369m S	Unspecified Works	1966	2202377
AE	369m N	Candle Manufactory	1898	2193958
AH	371m W	Unspecified Tanks	1969 - 1995	2242202
R	371m N	Unspecified Commercial/Industrial	1938	2179278
X	371m NE	Railway Building	1921	2150048



ID	Location	Land use	Dates present	Group ID
AC	372m NE	Railway Building	1915	2243676
AG	372m S	Railway Sidings	1966	2245632
AE	372m N	Unspecified Ground Workings	1921	2134272
AE	372m N	Candle Manufactory	1895	2232637
AE	376m N	Unspecified Tank	1907	2155473
AE	377m N	Tank	1907	2140302
AE	378m N	Unspecified Commercial/Industrial	1907	2251865
AE	378m N	Unspecified Industrial/Commercial	1888	2164927
AB	381m NE	Unspecified Commercial/Industrial	1940	2222441
33	385m SW	Unspecified Depot	1995	2147221
34	390m SW	Unspecified Ground Workings	1921	2134194
AG	391m S	Unspecified Works	1967 - 1973	2291487
AC	392m NE	Unspecified Tank	1938	2171351
AC	393m NE	Unspecified Tank	1940	2227350
AC	394m NE	Unspecified Tank	1931	2204276
AB	394m NE	Unspecified Commercial/Industrial	1921 - 1931	2232814
AJ	395m E	Unspecified Ground Workings	1940	2258885
Q	395m N	Railway Sidings	1940	2267910
AJ	395m E	Unspecified Ground Workings	1931	2259479
AB	396m NE	Cement Works	1895 - 1907	2284448
AC	396m NE	Unspecified Tank	1921	2174536
AJ	397m E	Unspecified Heap	1938	2225544
V	399m N	Unspecified Ground Workings	1967	2292283
AK	400m NE	Refuse Heap	1915	2260763
AC	401m NE	Unspecified Tank	1921	2182997
W	402m NE	Refuse Heap	1931	2278557
AC	403m NE	Tank	1915	2140307
AC	404m NE	Unspecified Tank	1938	2255588



ID	Location	Land use	Dates present	Group ID
AF	406m NE	Unspecified Tank	1940	2155474
AG	407m S	Unspecified Warehouse	1995	2175845
AG	407m S	Unspecified Works	1974	2277714
AB	407m NE	Unspecified Commercial/Industrial	1938	2260869
AL	410m SE	Unspecified Tanks	1973	2144081
AB	410m NE	Unspecified Depot	1967 - 1973	2219891
AM	413m NE	Unspecified Heap	1907	2136952
AN	416m N	Unspecified Tanks	1983 - 1995	2191719
AO	418m N	Unspecified Pit	1949	2283844
AO	423m N	Unspecified Pit	1969	2274199
AB	425m E	Unspecified Ground Workings	1898	2192884
AB	426m E	Unspecified Ground Workings	1888	2293438
AG	427m S	Unspecified Warehouse	1985	2278838
AP	429m N	Unspecified Heap	1967	2212777
AP	430m N	Unspecified Heap	1940	2252479
AK	430m NE	Unspecified Ground Workings	1955	2172310
38	432m NE	Unspecified Ground Workings	1940	2228749
AK	435m NE	Unspecified Heap	1967	2136953
AQ	438m SE	Unspecified Commercial/Industrial	1973 - 1992	2244089
AE	439m N	Railway Sidings	1907	2242590
AB	443m E	Unspecified Wharf	1921 - 1931	2172934
AG	444m S	Unspecified Works	1973	2252834
AJ	445m SE	Unspecified Works	1967 - 1973	2277486
AJ	445m SE	Unspecified Commercial/Industrial	1992	2285500
AK	447m NE	Refuse Heap	1940	2239588
AE	447m N	Unspecified Tank	1969 - 1974	2288592
40	454m E	Timber Yard	1992	2268900
AQ	459m SE	Refuse Heap	1967	2178312



ID	Location	Land use	Dates present	Group ID
AR	471m S	Unspecified Works	1966 - 1974	2277677
AE	473m N	Refuse Heap	1888	2271477
AB	474m E	Unspecified Pit	1921	2126006
AR	475m S	Gas Holder Station	1985 - 1995	2275878
42	479m SE	Unspecified Works	1958 - 1967	2285005
AE	479m N	Unspecified Tank	1983	2155492
AE	479m N	Chimneys	1969 - 1974	2181320
44	481m W	Refuse Heap	1949	2158882
AS	481m NE	Refuse Heap	1915	2175224
AT	482m SE	Tramway Sidings	1940	2191953
AU	482m SE	Cable Construction Works	1940	2257277
AV	483m W	Unspecified Tanks	1969 - 1995	2191523
AW	483m S	Unspecified Tank	1966 - 1974	2174289
AW	483m S	Gasometer	1985 - 1995	2249363
AE	483m N	Refuse Heap	1907	2195203
AX	483m S	Unspecified Works	1974	2216971
AT	484m SE	Cable Construction Works	1938	2249848
46	484m NE	Industrial Park	1992	2142979
AT	484m SE	Tramway Sidings	1931	2272675
AU	484m SE	Cable Construction Works	1931	2199144
AX	484m S	Unspecified Works	1985 - 1995	2265743
AE	485m N	Chimneys	1969 - 1974	2206251
47	486m SE	Cable Construction Works	1938	2262821
AS	490m NE	Refuse Heap	1931	2243012
AX	492m S	Unspecified Works	1966	2195254
AB	493m E	Unspecified Wharf	1895	2215136
48	495m SE	Unspecified Works	1973 - 1992	2249642
49	499m SE	Unspecified Depot	1973 - 1995	2240381

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
B	On site	Tanks	1991	377210
B	On site	Tanks	1991	377211
B	On site	Unspecified Tank	1991 - 1996	398529
C	On site	Unspecified Tank	1991	367663
6	18m NE	Unspecified Tank	1963 - 1996	392719
G	60m E	Tanks	1975	377250
G	83m E	Tanks	1975	377251
L	128m E	Unspecified Tank	1963 - 1996	400869
L	129m E	Unspecified Tank	1992	410022
L	129m E	Unspecified Tank	1975	389617
13	163m S	Tanks	1996	377224
O	174m SE	Tanks	1963	377223
15	182m W	Unspecified Tank	1984 - 1992	391382
F	196m SE	Tanks	1959 - 1970	398152
F	197m SE	Tanks	1997	410016
F	204m SE	Unspecified Tank	1959 - 1970	392598
F	217m SE	Unspecified Tank	1959 - 1963	411004
K	220m S	Unspecified Tank	1976	366663
K	234m S	Unspecified Tank	1976 - 1982	402697
P	235m S	Unspecified Tank	1996	366667
F	251m SE	Unspecified Tank	1959 - 1970	399220



ID	Location	Land use	Dates present	Group ID
F	251m SE	Unspecified Tank	1963 - 1997	390710
P	262m S	Unspecified Tank	1996	366666
F	278m SE	Tanks	1970	377232
24	287m SE	Tanks	1970 - 1984	398990
F	288m SE	Tanks	1984	377233
F	294m SE	Tanks	1970	377234
F	319m SE	Unspecified Tank	1996	366665
F	320m SE	Tanks	1984	405287
F	321m SE	Tanks	1997	409970
F	321m SE	Tanks	1970	392572
F	321m SE	Tanks	1984	377230
F	324m SE	Tanks	1984	377231
27	328m NE	Unspecified Tank	1939	367692
F	332m SE	Tanks	1984	377229
F	332m SE	Tanks	1984	377235
F	335m SE	Tanks	1984 - 1997	408033
F	339m SE	Tanks	1984 - 1997	393085
F	340m SE	Tanks	1984	377236
F	343m SE	Unspecified Tank	1970	367661
Z	353m W	Unspecified Tank	1969 - 1984	408572
Z	353m W	Tanks	1967 - 1992	399449
T	354m S	Unspecified Tank	1990 - 1999	384509
F	356m SE	Tanks	1984	377226
AD	356m SW	Tanks	1976	376874
AD	356m SW	Unspecified Tank	1982	366661
AA	361m S	Unspecified Tank	1920	366660
F	361m SE	Tanks	1970	401551
F	361m SE	Tanks	1984	403387



ID	Location	Land use	Dates present	Group ID
F	361m SE	Tanks	1970	386642
F	363m SE	Tanks	1997	385641
F	366m SE	Tanks	1984 - 1997	400141
F	369m SE	Tanks	1970 - 1984	385438
Z	369m W	Unspecified Tank	1969 - 1984	400396
31	370m SE	Tanks	1984 - 1997	383754
AE	371m N	Unspecified Tank	1939	367687
AH	371m W	Tanks	1967 - 1992	387208
F	373m SE	Tanks	1984	377225
Z	377m W	Tanks	1992	388819
AE	379m N	Unspecified Tank	1897 - 1909	396716
AE	381m N	Unspecified Tank	1962	388223
AE	381m N	Unspecified Tank	1962	396603
F	381m SE	Tanks	1984	408868
F	382m SE	Unspecified Tank	1970 - 1984	395963
F	382m SE	Unspecified Tank	1984 - 1997	405388
F	383m SE	Tanks	1997	394198
F	384m SE	Unspecified Tank	1984	367662
F	384m SE	Tanks	1997	383032
F	385m SE	Tanks	1984	380695
AI	386m SE	Unspecified Tank	1984	384477
AE	386m N	Unspecified Tank	1897	367686
F	387m SE	Tanks	1984	399541
AI	387m SE	Unspecified Tank	1997	398800
F	387m SE	Tanks	1984	402822
F	391m SE	Tanks	1997	377227
AE	393m N	Unspecified Tank	1939	367685
AC	393m NE	Unspecified Tank	1920 - 1939	408190



ID	Location	Land use	Dates present	Group ID
F	397m SE	Tanks	1984	403934
AG	399m S	Tanks	1982 - 1985	382398
AG	399m S	Tanks	1975	399698
AE	402m N	Unspecified Tank	1962	394879
AE	403m N	Unspecified Tank	1962	381819
AF	407m NE	Unspecified Tank	1939	367688
AF	412m NE	Tanks	1990	377240
AM	412m NE	Tanks	1897	377238
F	412m SE	Tanks	1970 - 1997	395463
F	413m SE	Tanks	1984	409958
F	413m SE	Tanks	1997	383546
F	414m SE	Tanks	1984	380899
F	414m SE	Tanks	1970	396110
AG	415m S	Unspecified Tank	1975	366664
AG	415m S	Unspecified Tank	1975 - 1985	390814
AN	416m N	Tanks	1996	405691
F	417m SE	Tanks	1997	395736
AN	417m N	Tanks	1984 - 1990	410708
F	417m SE	Tanks	1984	377228
F	418m SE	Tanks	1984 - 1997	383952
F	420m SE	Tanks	1997	406451
F	420m SE	Tanks	1984	388243
F	421m SE	Unspecified Tank	1984	367720
AF	421m NE	Tanks	1990	377237
35	424m SW	Unspecified Tank	1989	366662
36	424m W	Tanks	1967	409383
F	425m SE	Tanks	1970 - 1984	389570
37	430m SE	Unspecified Tank	1984	367721



ID	Location	Land use	Dates present	Group ID
F	433m SE	Unspecified Tank	1984 - 1997	393402
F	434m SE	Unspecified Tank	1970	407585
AM	436m E	Unspecified Tank	1897	367713
AE	437m N	Unspecified Tank	1939	386749
F	437m SE	Tanks	1984	410403
AM	437m E	Unspecified Tank	1897	367714
F	438m SE	Tanks	1997	394891
F	441m SE	Tanks	1970 - 1984	387744
F	441m SE	Tanks	1997	411314
F	445m SE	Tanks	1970 - 1984	411196
F	445m SE	Tanks	1984	381708
F	446m SE	Tanks	1970	396277
AE	447m N	Unspecified Tank	1962 - 1972	382427
AE	447m N	Unspecified Tank	1962	381965
F	456m SE	Tanks	1970 - 1984	407572
F	456m SE	Tanks	1970	405093
F	457m SE	Tanks	1997	388811
F	457m SE	Tanks	1970	384708
F	459m SE	Tanks	1984 - 1997	389837
AG	460m S	Unspecified Tank	1985 - 1990	386827
F	462m SE	Tanks	1970	400935
AG	464m S	Unspecified Tank	1975 - 1985	387079
AR	475m S	Gasholder Station	1976 - 1992	407346
41	477m W	Unspecified Tank	1992	367660
43	480m SW	Unspecified Tank	1976 - 1992	407782
AV	482m W	Tanks	1967 - 1992	385685
AW	486m S	Unspecified Tank	1957 - 1964	384030
AW	486m S	Gasholder	1976 - 1992	398624



ID	Location	Land use	Dates present	Group ID
AW	486m S	Unspecified Tank	1957	397830
AG	495m S	Tanks	1985 - 1990	389825
AG	495m S	Tanks	1971	388915
AL	495m SE	Tanks	1992	402149
AL	495m SE	Tanks	1970	381968

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

15

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
C	On site	Electricity Substation	1991	247044
I	On site	Electricity Substation	1996	247042
G	27m E	Electricity Transformer	1975	250820
14	168m E	Electricity Substation	1970 - 1997	275721
K	215m SW	Electricity Substation	1976 - 1982	272687
F	362m SE	Electricity Substation	1984	247043
F	366m SE	Electricity Substation	1997	247038
32	383m SE	Electricity Substation	1970 - 1997	292518
F	386m SE	Electricity Substation	1997	247039
39	451m NE	Electricity Substation	1992	247030
AO	464m N	Electricity Substation	1996	247025
AO	468m N	Electricity Substation	1984 - 1990	257292
AR	475m S	Gasholder Station	1976 - 1992	277540



ID	Location	Land use	Dates present	Group ID
45	483m SW	Electricity Substation	1989	247041
AW	486m S	Gasholder	1976 - 1992	269216

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

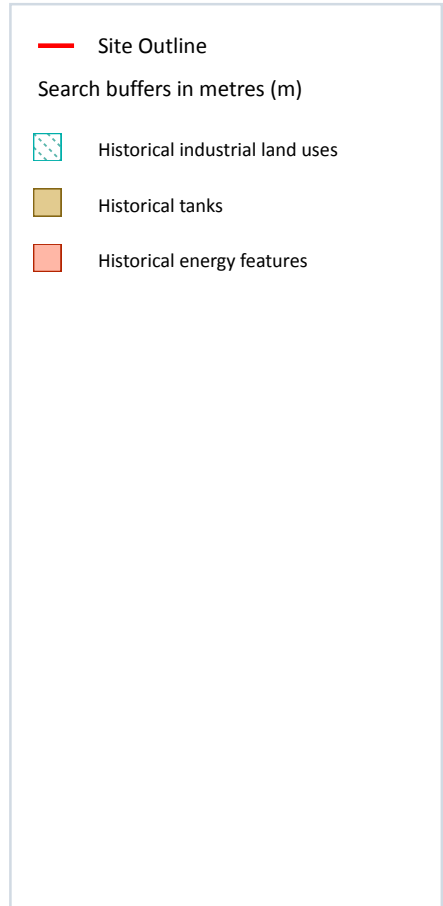
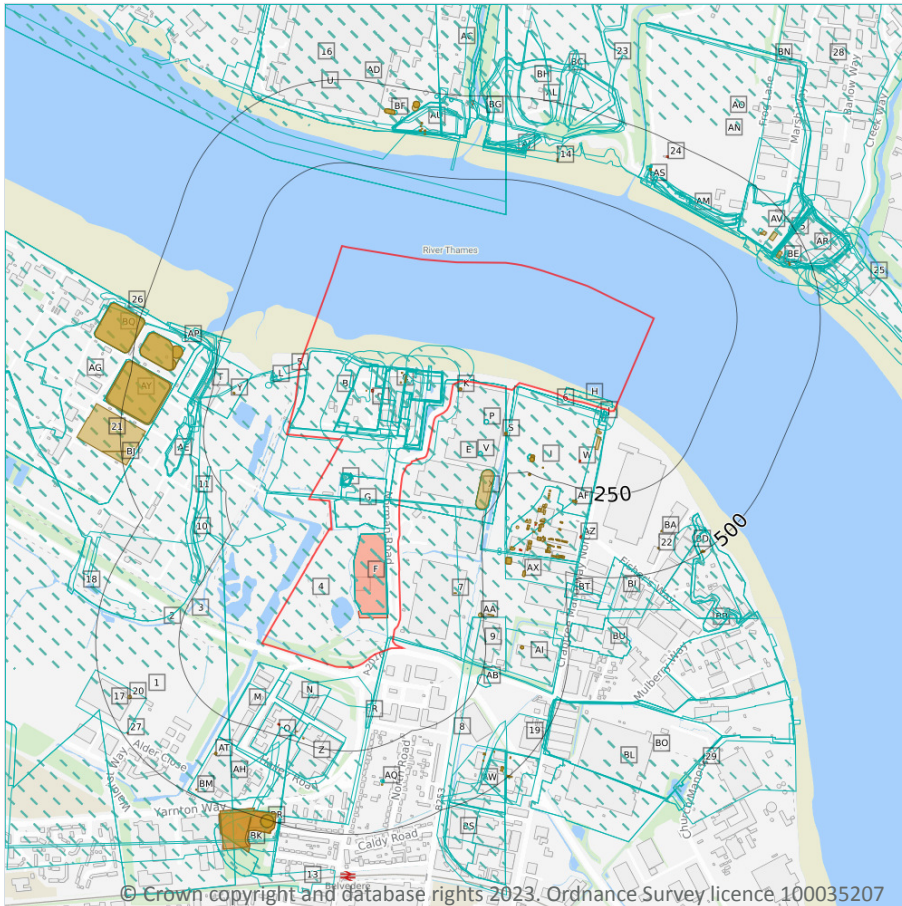
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m **317**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
1	On site	Marshes	1907	2172068
2	On site	Marshes	1915	2172068
3	On site	Marshes	1921	2229391

ID	Location	Land Use	Date	Group ID
4	On site	Marshes	1898	2258254
5	On site	Unspecified Heap	1907	2136975
A	On site	Unspecified Pit	1921	2126011
A	On site	Unspecified Heap	1938	2136980
A	On site	Refuse Heap	1907	2233094
A	On site	Refuse Heap	1915	2227133
A	On site	Refuse Heap	1921	2199130
A	On site	Refuse Heap	1949	2264411
A	On site	Refuse Heap	1907	2197258
A	On site	Refuse Heap	1938	2199130
A	On site	Refuse Heap	1938	2199130
B	On site	Fish Works	1938	2287005
B	On site	Fish, Guano and Oil Works	1895	2174757
B	On site	Fish Works	1907	2198140
C	On site	Unspecified Mills	1938	2259535
C	On site	Manure Works	1866	2142868
C	On site	Unspecified Mills	1921	2269812
C	On site	Unspecified Wharf	1969	2157317
C	On site	Mills	1907	2221114
C	On site	Mills	1915	2221114
C	On site	Mills	1921	2256667
C	On site	Unspecified Mills	1889	2207941
C	On site	Railway Sidings	1898	2173297
C	On site	Disused Bovril Mills	1898	2163886
C	On site	Unspecified Commercial/Industrial	1898	2131099
C	On site	Unspecified Mills	1895	2207941
C	On site	Unspecified Mill	1983	2192645
C	On site	Unspecified Mill	1974	2192645



ID	Location	Land Use	Date	Group ID
C	On site	Unspecified Mill	1969	2192645
C	On site	Unspecified Mill	1995	2192645
C	On site	Unspecified Mills	1949	2226914
C	On site	Unspecified Disused Mills	1895	2167090
C	On site	Railway Sidings	1895	2173297
C	On site	Unspecified Mills	1907	2252569
C	On site	Unspecified Mills	1938	2259535
D	On site	Fish Guano Works	1921	2194734
D	On site	Fish Guano Works	1907	2258621
D	On site	Fish Guano Works	1915	2258621
D	On site	Fish Guano Works	1921	2255530
D	On site	Oil Works	1898	2164653
D	On site	Fish Guano Works	1949	2241268
D	On site	Fish, Guano and Oil Works	1895	2174757
D	On site	Fish Guano Works	1938	2255530
E	On site	Unspecified Works	1983	2245491
E	On site	Unspecified Works	1974	2245491
E	On site	Unspecified Works	1969	2236699
E	On site	Unspecified Works	1995	2245491
F	On site	Unspecified Works	1983	2270103
F	On site	Unspecified Works	1974	2270103
F	On site	Unspecified Works	1969	2270103
F	On site	Unspecified Works	1995	2270103
G	On site	Refuse Heap	1983	2268524
G	On site	Refuse Heap	1974	2268524
G	On site	Refuse Heap	1969	2268524
G	On site	Refuse Heap	1995	2268524
H	On site	Unspecified Wharf	1992	2241679



ID	Location	Land Use	Date	Group ID
H	On site	Unspecified Wharf	1973	2241679
H	On site	Unspecified Wharf	1967	2241679
I	On site	Railway Sidings	1973	2182204
I	On site	Unspecified Depot	1973	2258743
I	On site	Unspecified Depot	1967	2258743
I	On site	Railway Sidings	1967	2182204
I	On site	Unspecified Works	1955	2191374
J	On site	Magazine	1895	2227937
J	1m E	Powder Magazine	1877	2197419
6	4m E	Railway Sidings	1955	2256304
J	5m E	Powder Magazine	1863	2278120
I	6m E	Unspecified Works	1992	2169274
J	6m E	Magazine	1895	2229409
J	7m E	Magazine	1888	2252320
J	8m E	Magazine	1898	2229409
L	49m W	Magazine	1895	2217992
M	57m SW	Unspecified Works	1995	2194901
M	57m SW	Unspecified Works	1985	2194901
N	58m SW	Unspecified Depot	1995	2267663
N	58m SW	Unspecified Depot	1985	2267663
L	63m W	Magazine	1895	2217992
L	63m W	Powder Magazine	1866	2145445
L	76m W	Magazine	1898	2157863
O	90m SW	Unspecified Depot	1974	2257777
P	103m E	Chimney	1983	2255734
P	103m E	Chimney	1974	2255734
P	103m E	Chimney	1969	2255734
P	103m E	Chimney	1995	2255734



ID	Location	Land Use	Date	Group ID
Q	108m SW	Marshes	1899	2180988
Q	108m SW	Marshes	1899	2180988
R	119m S	Pumping Station	1995	2280989
R	119m S	Pumping Station	1985	2280989
T	138m W	Sludge Lagoons	1983	2290325
T	138m W	Sludge Lagoons	1995	2290325
U	145m NE	Railway Sidings	1983	2221017
U	145m NE	Railway Sidings	1974	2188488
U	145m NE	Railway Sidings	1969	2188488
V	150m SE	Chimney	1983	2273267
V	150m SE	Chimney	1974	2273267
V	150m SE	Chimney	1969	2273267
V	150m SE	Chimney	1995	2273267
O	158m SW	Unspecified Warehouse	1995	2250571
O	158m SW	Unspecified Warehouse	1985	2250571
X	175m SE	Unspecified Tanks	1983	2285757
X	175m SE	Unspecified Tanks	1974	2285757
X	175m SE	Unspecified Tanks	1969	2285757
X	175m SE	Unspecified Tanks	1995	2285757
U	184m N	Railway Sidings	1949	2221017
Z	185m S	Unspecified Warehouse	1995	2179775
Z	185m S	Unspecified Warehouse	1985	2179775
8	189m S	Railway Sidings	1974	2290636
9	190m S	Unspecified Works	1995	2160077
I	196m SE	Unspecified Tanks	1955	2144080
I	199m SE	Unspecified Tank	1992	2291329
I	199m SE	Unspecified Tank	1973	2291329
I	199m SE	Unspecified Tank	1967	2291329



ID	Location	Land Use	Date	Group ID
T	219m W	Road and Rail Wagon Works	1889	2151484
T	220m W	Railway Sidings	1895	2269022
AB	243m S	Refuse Heap	1974	2253699
AB	243m S	Refuse Heap	1966	2253699
T	247m W	Railway Sidings	1899	2230385
T	247m W	Railway Sidings	1899	2230385
10	247m SW	Unspecified Ground Workings	1974	2134196
T	247m W	Railway Sidings	1895	2269022
11	260m W	Unspecified Heap	1921	2136981
12	265m SW	Unspecified Heaps	1969	2160813
I	267m SE	Unspecified Works	1992	2169275
13	267m SW	Railway Sidings	1966	2251070
AC	275m N	Unspecified Commercial/Industrial	1940	2275543
AD	278m N	Motor Cars Manufactory	1949	2151289
AE	281m W	Unspecified Ground Workings	1915	2285770
AE	282m W	Unspecified Ground Workings	1921	2268230
AE	283m W	Unspecified Ground Workings	1907	2235107
AE	283m W	Unspecified Ground Workings	1907	2285770
I	298m SE	Unspecified Tank	1973	2155471
I	298m SE	Unspecified Tank	1973	2155472
I	301m SE	Unspecified Tank	1973	2155470
AG	303m W	Sewage Works	1983	2266452
AG	303m W	Sewage Works	1974	2266452
AG	303m W	Sewage Works	1969	2266452
AG	303m W	Sewage Works	1995	2266452
AH	309m SW	Unspecified Factory	1995	2293849
AH	309m SW	Unspecified Factory	1985	2293849
AI	311m S	Unspecified Warehouse	1967	2138617



ID	Location	Land Use	Date	Group ID
AJ	320m N	Railway Sidings	1921	2270176
I	324m SE	Unspecified Tanks	1992	2144079
AK	326m NE	Railway Sidings	1940	2198989
AJ	331m N	Railway Sidings	1915	2287151
AJ	333m N	Railway Sidings	1938	2211946
AJ	334m N	Railway Sidings	1938	2261837
AL	334m N	Refuse Heap	1938	2195471
AL	334m N	Refuse Heap	1938	2195471
AM	334m NE	Railway Sidings	1921	2253435
AJ	336m N	Railway Sidings	1931	2261167
AM	336m NE	Railway Sidings	1938	2220905
AN	336m NE	Refuse Heap	1938	2265695
AN	336m NE	Refuse Heap	1938	2265695
AO	337m NE	Marshes	1921	2221234
AJ	337m N	Unspecified Wharf	1992	2187043
AJ	337m N	Unspecified Wharf	1973	2187043
AJ	337m N	Unspecified Wharf	1967	2255516
AM	339m NE	Railway Sidings	1931	2188046
AJ	339m N	Unspecified Wharf	1940	2245687
AP	342m W	Unspecified Heap	1895	2136974
AM	343m NE	Railway Sidings	1938	2180160
AM	345m NE	Railway Sidings	1921	2188046
AO	347m NE	Marshes	1888	2241895
AP	348m W	Unspecified Tanks	1983	2259472
AP	348m W	Unspecified Tanks	1974	2259472
AP	348m W	Unspecified Tanks	1969	2259472
AP	348m W	Unspecified Tanks	1995	2259472
AM	348m NE	Railway Sidings	1915	2248121



ID	Location	Land Use	Date	Group ID
AQ	348m S	Unspecified Tank	1921	2231216
AQ	349m S	Unspecified Tank	1907	2287547
AR	351m NE	Unspecified Commercial/Industrial	1921	2286088
AQ	351m S	Tank	1915	2140313
AS	352m NE	Railway Buildings	1931	2163711
AM	352m NE	Railway Building	1921	2258669
AM	356m NE	Railway Buildings	1931	2163712
AD	358m N	Motor Works	1983	2251088
AD	358m N	Motor Works	1974	2251088
AD	358m N	Unspecified Works	1969	2265066
AD	358m N	Motor Works	1995	2256104
AM	360m NE	Railway Building	1915	2190432
AM	360m NE	Railway Building	1921	2249931
AJ	363m N	Railway Building	1915	2150049
AU	363m N	Candle Manufactory	1889	2194654
AM	364m NE	Railway Building	1921	2150047
AS	364m NE	Railway Building	1921	2271791
AU	364m N	Candle Manufactory	1907	2237920
15	364m NE	Cement Works	1895	2265419
AV	364m NE	Refuse Heap	1895	2200602
AM	364m NE	Railway Building	1931	2241727
AV	365m NE	Refuse Heap	1888	2253697
AV	365m NE	Cement Works	1888	2266121
AU	366m N	Candle Manufactory	1907	2237920
AV	366m NE	Refuse Heap	1907	2215617
AM	367m NE	Railway Building	1915	2184714
AV	368m NE	Refuse Heap	1895	2200602
AU	368m N	Candle Factory	1895	2129013



ID	Location	Land Use	Date	Group ID
16	369m N	Dock	1938	2192303
AW	369m S	Unspecified Works	1966	2202377
AU	369m N	Candle Manufactory	1898	2193958
AY	371m W	Unspecified Tanks	1983	2242202
AY	371m W	Unspecified Tanks	1974	2242202
AY	371m W	Unspecified Tanks	1969	2242202
AY	371m W	Unspecified Tanks	1995	2242202
AD	371m N	Unspecified Commercial/Industrial	1938	2179278
AM	371m NE	Railway Building	1921	2150048
AS	372m NE	Railway Building	1915	2243676
AW	372m S	Railway Sidings	1966	2245632
AU	372m N	Unspecified Ground Workings	1921	2134272
AU	372m N	Candle Manufactory	1895	2232637
AU	376m N	Unspecified Tank	1907	2155473
AU	377m N	Tank	1907	2140302
AU	378m N	Unspecified Commercial/Industrial	1907	2251865
AU	378m N	Unspecified Industrial/Commercial	1888	2164927
AR	381m NE	Unspecified Commercial/Industrial	1940	2222441
17	385m SW	Unspecified Depot	1995	2147221
18	390m SW	Unspecified Ground Workings	1921	2134194
19	391m S	Unspecified Works	1973	2291487
AS	392m NE	Unspecified Tank	1938	2171351
AS	393m NE	Unspecified Tank	1940	2227350
AS	394m NE	Unspecified Tank	1931	2204276
AR	394m NE	Unspecified Commercial/Industrial	1931	2232814
BB	395m E	Unspecified Ground Workings	1940	2258885
AC	395m N	Railway Sidings	1940	2267910
BB	395m E	Unspecified Ground Workings	1931	2259479



ID	Location	Land Use	Date	Group ID
AR	396m NE	Cement Works	1898	2284448
AS	396m NE	Unspecified Tank	1921	2174536
AR	396m NE	Cement Works	1895	2284448
BB	397m E	Unspecified Heap	1938	2225544
BB	397m E	Unspecified Heap	1938	2225544
AR	398m NE	Cement Works	1907	2284448
AK	399m N	Unspecified Ground Workings	1967	2292283
BC	400m NE	Refuse Heap	1915	2260763
AS	401m NE	Unspecified Tank	1921	2182997
AL	402m NE	Refuse Heap	1931	2278557
AS	403m NE	Tank	1915	2140307
AS	404m NE	Unspecified Tank	1938	2255588
AV	406m NE	Unspecified Tank	1940	2155474
AW	407m S	Unspecified Warehouse	1995	2175845
AW	407m S	Unspecified Works	1974	2277714
AR	407m NE	Unspecified Commercial/Industrial	1938	2260869
BD	410m SE	Unspecified Tanks	1973	2144081
AR	410m NE	Unspecified Depot	1973	2219891
AR	410m NE	Unspecified Depot	1967	2219891
BE	413m NE	Unspecified Heap	1907	2136952
BF	416m N	Unspecified Tanks	1983	2191719
BF	416m N	Unspecified Tanks	1995	2191719
BG	418m N	Unspecified Pit	1949	2283844
BG	423m N	Unspecified Pit	1969	2274199
AR	425m E	Unspecified Ground Workings	1898	2192884
AR	426m E	Unspecified Ground Workings	1888	2293438
AW	427m S	Unspecified Warehouse	1985	2278838
BH	429m N	Unspecified Heap	1967	2212777



ID	Location	Land Use	Date	Group ID
BH	430m N	Unspecified Heap	1940	2252479
BC	430m NE	Unspecified Ground Workings	1955	2172310
23	432m NE	Unspecified Ground Workings	1940	2228749
BC	435m NE	Unspecified Heap	1967	2136953
BI	438m SE	Unspecified Commercial/Industrial	1992	2244089
BI	438m SE	Unspecified Commercial/Industrial	1973	2244089
AU	439m N	Railway Sidings	1907	2242590
AW	439m S	Unspecified Works	1967	2291487
AR	443m E	Unspecified Wharf	1931	2172934
AW	444m S	Unspecified Works	1973	2252834
BB	445m SE	Unspecified Commercial/Industrial	1992	2285500
BB	445m SE	Unspecified Works	1973	2277486
BB	445m SE	Unspecified Works	1967	2277486
BC	447m NE	Refuse Heap	1940	2239588
AU	447m N	Unspecified Tank	1974	2288592
AU	447m N	Unspecified Tank	1969	2288592
25	454m E	Timber Yard	1992	2268900
BI	459m SE	Refuse Heap	1967	2178312
BK	471m S	Unspecified Works	1966	2277677
AU	473m N	Refuse Heap	1888	2271477
AR	473m E	Unspecified Commercial/Industrial	1921	2232814
AR	474m E	Unspecified Pit	1921	2126006
BK	475m S	Gas Holder Station	1995	2275878
BK	475m S	Gas Holder Station	1985	2275878
BK	475m S	Unspecified Works	1974	2277677
BL	479m SE	Unspecified Works	1967	2285005
BL	479m SE	Unspecified Works	1958	2285005
AR	479m E	Unspecified Wharf	1921	2172934



ID	Location	Land Use	Date	Group ID
AU	479m N	Unspecified Tank	1983	2155492
AU	479m N	Chimneys	1974	2181320
AU	479m N	Chimneys	1969	2181320
26	481m W	Refuse Heap	1949	2158882
BN	481m NE	Refuse Heap	1915	2175224
BO	482m SE	Cable Construction Works	1940	2257277
BP	482m SE	Tramway Sidings	1940	2191953
BQ	483m W	Unspecified Tanks	1983	2191523
BQ	483m W	Unspecified Tanks	1974	2191523
BQ	483m W	Unspecified Tanks	1969	2191523
BQ	483m W	Unspecified Tanks	1995	2191523
BR	483m S	Unspecified Tank	1974	2174289
BR	483m S	Gasometer	1995	2249363
BR	483m S	Gasometer	1985	2249363
BR	483m S	Unspecified Tank	1966	2174289
AU	483m N	Refuse Heap	1907	2195203
BS	483m S	Unspecified Works	1974	2216971
BP	484m SE	Cable Construction Works	1938	2249848
28	484m NE	Industrial Park	1992	2142979
BO	484m SE	Cable Construction Works	1931	2199144
BP	484m SE	Tramway Sidings	1931	2272675
BS	484m S	Unspecified Works	1995	2265743
BS	484m S	Unspecified Works	1985	2265743
AU	485m N	Chimneys	1974	2206251
AU	485m N	Chimneys	1969	2206251
29	486m SE	Cable Construction Works	1938	2262821
BN	490m NE	Refuse Heap	1931	2243012
BS	492m S	Unspecified Works	1966	2195254



ID	Location	Land Use	Date	Group ID
AR	493m E	Unspecified Wharf	1895	2215136
BT	495m SE	Unspecified Works	1992	2249642
BT	495m SE	Unspecified Works	1973	2249642
BU	499m SE	Unspecified Depot	1973	2240381
BU	499m SE	Unspecified Depot	1995	2240381
BU	499m SE	Unspecified Depot	1985	2240381

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

196

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
C	On site	Unspecified Tank	1996	398529
C	On site	Unspecified Tank	1991	398529
C	On site	Tanks	1991	377210
C	On site	Tanks	1991	377211
D	On site	Unspecified Tank	1991	367663
K	18m NE	Unspecified Tank	1963	392719
K	19m NE	Unspecified Tank	1996	392719
K	19m NE	Unspecified Tank	1991	392719
J	60m E	Tanks	1975	377250
J	83m E	Tanks	1975	377251
S	128m E	Unspecified Tank	1996	400869
S	128m E	Unspecified Tank	1991	400869
S	129m E	Unspecified Tank	1992	410022
S	129m E	Unspecified Tank	1963	400869



ID	Location	Land Use	Date	Group ID
S	129m E	Unspecified Tank	1975	389617
7	163m S	Tanks	1996	377224
X	174m SE	Tanks	1963	377223
Y	182m W	Unspecified Tank	1992	391382
Y	184m W	Unspecified Tank	1984	391382
I	196m SE	Tanks	1963	398152
I	197m SE	Tanks	1997	410016
I	197m SE	Tanks	1970	398152
I	197m SE	Tanks	1959	398152
I	204m SE	Unspecified Tank	1970	392598
I	204m SE	Unspecified Tank	1959	392598
I	204m SE	Unspecified Tank	1963	392598
I	217m SE	Unspecified Tank	1959	411004
I	217m SE	Unspecified Tank	1963	411004
O	220m S	Unspecified Tank	1976	366663
O	234m S	Unspecified Tank	1982	402697
O	234m S	Unspecified Tank	1976	402697
AA	235m S	Unspecified Tank	1996	366667
I	251m SE	Unspecified Tank	1970	399220
I	251m SE	Unspecified Tank	1959	399220
I	251m SE	Unspecified Tank	1984	390710
I	251m SE	Unspecified Tank	1963	390710
I	253m SE	Unspecified Tank	1997	390710
AA	262m S	Unspecified Tank	1996	366666
I	278m SE	Tanks	1970	377232
AF	287m SE	Tanks	1970	398990
AF	287m SE	Tanks	1984	398990
I	288m SE	Tanks	1984	377233



ID	Location	Land Use	Date	Group ID
I	294m SE	Tanks	1970	377234
I	319m SE	Unspecified Tank	1996	366665
I	320m SE	Tanks	1984	405287
I	321m SE	Tanks	1997	409970
I	321m SE	Tanks	1970	392572
I	321m SE	Tanks	1984	377230
I	324m SE	Tanks	1984	377231
14	328m NE	Unspecified Tank	1939	367692
I	332m SE	Tanks	1984	377229
I	332m SE	Tanks	1984	377235
I	335m SE	Tanks	1984	408033
I	335m SE	Tanks	1997	408033
I	339m SE	Tanks	1984	393085
I	339m SE	Tanks	1997	393085
I	340m SE	Tanks	1984	377236
I	343m SE	Unspecified Tank	1970	367661
AP	353m W	Unspecified Tank	1984	408572
AP	353m W	Tanks	1992	399449
AP	353m W	Unspecified Tank	1969	408572
AI	354m S	Unspecified Tank	1990	384509
AI	355m S	Unspecified Tank	1993	384509
AI	355m S	Unspecified Tank	1999	384509
I	356m SE	Tanks	1984	377226
AT	356m SW	Tanks	1976	376874
AT	356m SW	Unspecified Tank	1982	366661
AQ	361m S	Unspecified Tank	1920	366660
I	361m SE	Tanks	1970	401551
I	361m SE	Tanks	1984	403387



ID	Location	Land Use	Date	Group ID
I	361m SE	Tanks	1970	386642
I	363m SE	Tanks	1997	385641
I	366m SE	Tanks	1997	400141
I	369m SE	Tanks	1984	385438
I	369m SE	Tanks	1970	385438
AP	369m W	Unspecified Tank	1984	400396
AP	369m W	Unspecified Tank	1969	400396
AX	370m SE	Tanks	1984	383754
AX	370m SE	Tanks	1997	383754
AU	371m N	Unspecified Tank	1939	367687
AY	371m W	Tanks	1967	387208
I	373m SE	Tanks	1984	377225
I	373m SE	Tanks	1984	400141
AY	376m W	Tanks	1992	387208
AP	376m W	Tanks	1967	399449
AP	377m W	Tanks	1992	388819
AU	379m N	Unspecified Tank	1897	396716
AU	379m N	Unspecified Tank	1909	396716
AU	381m N	Unspecified Tank	1962	388223
AU	381m N	Unspecified Tank	1962	396603
AU	381m N	Unspecified Tank	1962	396603
I	381m SE	Tanks	1984	408868
I	382m SE	Unspecified Tank	1984	395963
I	382m SE	Unspecified Tank	1970	395963
I	382m SE	Unspecified Tank	1984	405388
I	383m SE	Tanks	1997	394198
I	384m SE	Unspecified Tank	1984	367662
I	384m SE	Unspecified Tank	1997	405388



ID	Location	Land Use	Date	Group ID
I	384m SE	Tanks	1997	383032
I	385m SE	Tanks	1984	380695
BA	386m SE	Unspecified Tank	1984	384477
AU	386m N	Unspecified Tank	1897	367686
I	387m SE	Tanks	1984	399541
BA	387m SE	Unspecified Tank	1997	398800
I	387m SE	Tanks	1984	402822
I	391m SE	Tanks	1997	377227
AU	393m N	Unspecified Tank	1939	367685
AS	393m NE	Unspecified Tank	1920	408190
AS	393m NE	Unspecified Tank	1939	408190
I	397m SE	Tanks	1984	403934
AW	399m S	Tanks	1985	382398
AW	399m S	Tanks	1982	382398
AW	399m S	Tanks	1975	399698
AU	402m N	Unspecified Tank	1962	394879
AU	403m N	Unspecified Tank	1962	381819
AU	403m N	Unspecified Tank	1962	381819
AV	407m NE	Unspecified Tank	1939	367688
BE	412m NE	Tanks	1897	377238
AV	412m NE	Tanks	1990	377240
I	412m SE	Tanks	1984	395463
I	412m SE	Tanks	1970	395463
I	413m SE	Tanks	1984	409958
I	413m SE	Tanks	1997	383546
I	413m SE	Tanks	1997	395463
I	414m SE	Tanks	1984	380899
I	414m SE	Tanks	1970	396110



ID	Location	Land Use	Date	Group ID
AW	415m S	Unspecified Tank	1975	366664
AW	415m S	Unspecified Tank	1985	390814
AW	415m S	Unspecified Tank	1982	390814
AW	415m S	Unspecified Tank	1975	390814
BF	416m N	Tanks	1996	405691
I	417m SE	Tanks	1997	395736
BF	417m N	Tanks	1984	410708
BF	417m N	Tanks	1990	410708
I	417m SE	Tanks	1984	377228
I	418m SE	Tanks	1984	383952
I	419m SE	Tanks	1997	383952
I	420m SE	Tanks	1997	406451
I	420m SE	Tanks	1984	388243
I	421m SE	Unspecified Tank	1984	367720
AV	421m NE	Tanks	1990	377237
20	424m SW	Unspecified Tank	1989	366662
21	424m W	Tanks	1967	409383
I	425m SE	Tanks	1984	389570
I	425m SE	Tanks	1970	389570
22	430m SE	Unspecified Tank	1984	367721
I	433m SE	Unspecified Tank	1984	393402
I	434m SE	Unspecified Tank	1970	407585
I	435m SE	Unspecified Tank	1997	393402
BE	436m E	Unspecified Tank	1897	367713
AU	437m N	Unspecified Tank	1939	386749
I	437m SE	Tanks	1984	410403
BE	437m E	Unspecified Tank	1897	367714
I	438m SE	Tanks	1997	394891



ID	Location	Land Use	Date	Group ID
I	441m SE	Tanks	1984	387744
I	441m SE	Tanks	1997	411314
I	441m SE	Tanks	1970	387744
I	445m SE	Tanks	1984	411196
I	445m SE	Tanks	1984	381708
I	445m SE	Tanks	1970	411196
I	446m SE	Tanks	1970	396277
AU	447m N	Unspecified Tank	1962	382427
AU	447m N	Unspecified Tank	1972	382427
AU	447m N	Unspecified Tank	1962	381965
AU	447m N	Unspecified Tank	1962	381965
I	456m SE	Tanks	1984	407572
I	456m SE	Tanks	1970	405093
I	457m SE	Tanks	1997	388811
I	457m SE	Tanks	1970	384708
I	459m SE	Tanks	1984	389837
I	459m SE	Tanks	1997	389837
AW	460m S	Unspecified Tank	1985	386827
AW	460m S	Unspecified Tank	1990	386827
I	461m SE	Tanks	1970	407572
BJ	461m W	Tanks	1967	409383
I	462m SE	Tanks	1970	400935
AW	464m S	Unspecified Tank	1985	387079
AW	464m S	Unspecified Tank	1982	387079
AW	465m S	Unspecified Tank	1975	387079
BK	475m S	Gasholder Station	1976	407346
BK	475m S	Gasholder Station	1992	407346
BJ	477m W	Unspecified Tank	1992	367660



ID	Location	Land Use	Date	Group ID
BM	480m SW	Unspecified Tank	1976	407782
BM	480m SW	Unspecified Tank	1992	407782
BQ	482m W	Tanks	1967	385685
BQ	482m W	Tanks	1992	385685
BR	486m S	Unspecified Tank	1964	384030
BR	486m S	Unspecified Tank	1957	384030
BR	486m S	Gasholder	1976	398624
BR	486m S	Gasholder	1992	398624
BR	486m S	Unspecified Tank	1957	397830
AW	495m S	Tanks	1985	389825
AW	495m S	Tanks	1990	389825
AW	495m S	Tanks	1971	388915
BD	495m SE	Tanks	1992	402149
BD	495m SE	Tanks	1970	381968

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

23

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
D	On site	Electricity Substation	1991	247044
F	On site	Electricity Substation	1996	247042
J	27m E	Electricity Transformer	1975	250820
W	168m E	Electricity Substation	1970	275721
W	168m E	Electricity Substation	1984	275721
W	168m E	Electricity Substation	1997	275721



ID	Location	Land Use	Date	Group ID
O	215m SW	Electricity Substation	1982	272687
O	215m SW	Electricity Substation	1976	272687
I	362m SE	Electricity Substation	1984	247043
I	366m SE	Electricity Substation	1997	247038
AZ	383m SE	Electricity Substation	1984	292518
AZ	383m SE	Electricity Substation	1970	292518
AZ	385m SE	Electricity Substation	1997	292518
I	386m SE	Electricity Substation	1997	247039
24	451m NE	Electricity Substation	1992	247030
BG	464m N	Electricity Substation	1996	247025
BG	468m N	Electricity Substation	1984	257292
BG	468m N	Electricity Substation	1990	257292
BK	475m S	Gasholder Station	1976	277540
BK	475m S	Gasholder Station	1992	277540
27	483m SW	Electricity Substation	1989	247041
BR	486m S	Gasholder	1976	269216
BR	486m S	Gasholder	1992	269216

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

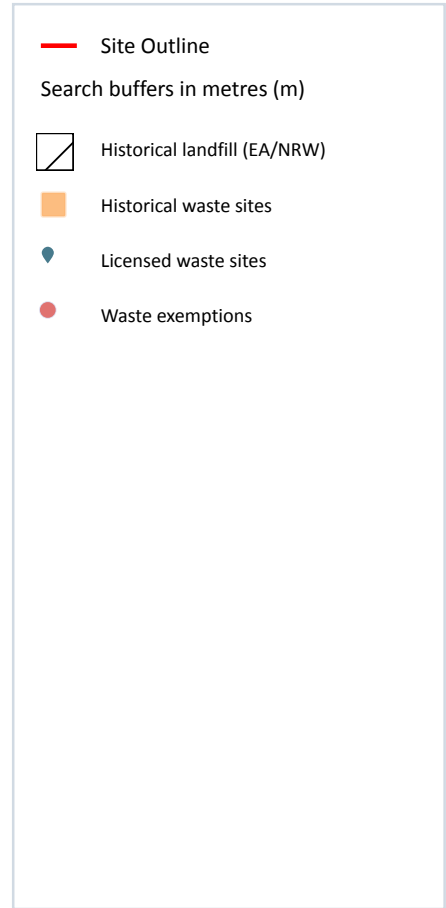
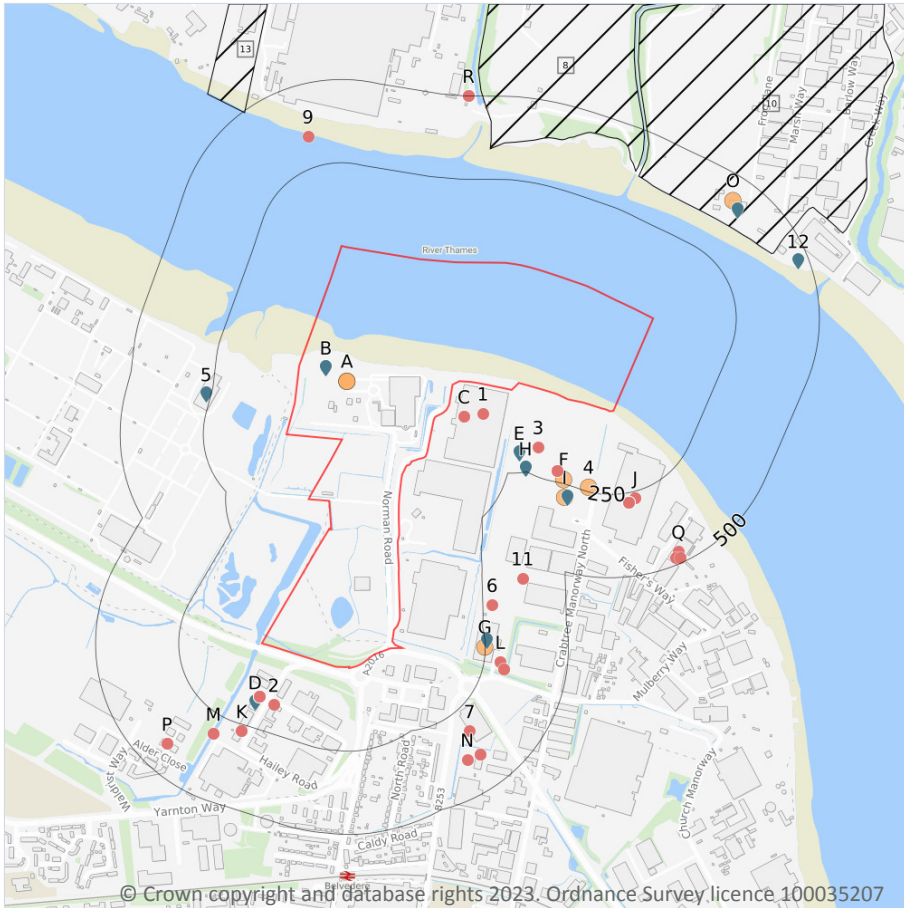
0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m **0**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m **0**

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

3

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 52 >](#)

ID	Location	Details		
8	342m N	Site Address: Ex-City of London Site, Rainham, Gillingham, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: DL110, 8HV015 Waste Type: Inert, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 05/11/1982 Licence Surrender: 04/06/1991	Operator: - Licence Holder: Ford Motor Company Limited First Recorded - Last Recorded: 31/12/1988
10	352m NE	Site Address: Manor Way, Rainham, Havering, London Licence Holder Address: -	Waste Licence: - Site Reference: 8HV011 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
13	495m NW	Site Address: Dagenham Dock, Dagenham, Essex Licence Holder Address: -	Waste Licence: Yes Site Reference: DL329, 8BD008 Waste Type: Industrial, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 09/10/1990 Licence Surrender: 11/07/1991	Operator: - Licence Holder: ARC Aggregates First Recorded 31/12/1939 Last Recorded: 31/10/1990

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	7
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Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on [page 52](#) >

ID	Location	Address	Further Details	Date
A	On site	Site Address: Riverside, Norman Road, BELVEDERE, Bexley, DA17 6A	Type of Site: Waste Plant Planning application reference: 99/02388/CIRC Description: Scheme comprises the construction of a 72 Mega Watt municipal waste incineration facility with energy recovery. Construction involves large concrete lined sunken reception pits, combuster with grate, electrical turbines, ash removal equipment, gas cleaning facility and an 84 metre high stack. The structure will cover 13,000 sq m, with a curved roof rising to a height of 55 m. The plant is to take 585,000 tonnes of waste, 85,000 tonnes locally by road and 500,000 tonnes by river. A new jetty is to be built and this will cost approximately 21 million. An application (ref: 99/02388/CIRC) for detailed planning permission was granted by Bexley L.B. The Masterlead can be viewed on project id: 99192687. It is intended to process an average of 585,000 tonnes of residual waste per year and by that generating approximately 72 MW of electricity. This will be achieved using three process lines with proven grate technology. Planning consent was granted on 15th June 2006 and the plant is scheduled to start operation in Autumn 2012. The plant is scheduled to start operation in Autumn 2012. Data source: Historic Planning Application Data Type: Point	01/07/2008

ID	Location	Address	Further Details	Date
A	On site	Site Address: Norman Road, BELVEDERE, Bexley, DA17 6JW	<p>Type of Site: Temporary Recycling Centre (Conversion)</p> <p>Planning application reference: 01/01681</p> <p>Description: Scheme comprises conversion of site as a temporary recycling centre for the importing, transferring, deposing, crushing, processing and sorting of concrete, soil, rubble and similar materials. Including materials from public utility excavations and demolition. Together with siting of a concrete crusher. An application (ref: 01/01681) for Detailed Planning permission was submitted to Bexley L.B. on 14th June 2001.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	-
4	211m SE	Site Address: Plot 3, Burts Wharf, Crabtree Manorway North, Belvedere, Bexley, DA17 6LJ	<p>Type of Site: Waste Transfer Station</p> <p>Planning application reference: 14/01780/FULM</p> <p>Description: Scheme comprises under section 73 of the town and country planning act 1990 regarding use of land for recycling of construction and demolition waste, including road construction waste, comprising sorting, separation, crushing, screening, blending and storage of material for recovery as a soil, soil substitute or aggregate; stationing of ancillary plant and machinery and portable office; above ground weighbridge; ancillary parking and new access gates to allow a new site layout in respect of volume and height of piles of input and output material, and removal of washing facility used for vehicles the site. The associated works include sewer systems, landscaping, infrastructure, enabling works, cable laying and access roads.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	-
F	213m SE	Site Address: Plot 3 And Plot 4; Burts Wharf, Crabtree Manorway North, Belvedere, Bexley, DA17 6LJ	<p>Type of Site: Recycling Facility</p> <p>Planning application reference: 12/01840/FUL</p> <p>Description: Scheme comprises use of land for recycling of construction and demolition waste, including road construction waste, comprising sorting, separation, crushing, screening, blending and storage of material for recovery as a soil, soil substitute or aggregate ; stationing of ancillary plant and machinery and portable office; above ground weighbridge; ancillary parking and new access gates.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	16/10/2013



ID	Location	Address	Further Details	Date
G	223m S	Site Address: Jablite, Anderson Way, Belvedere, Bexley, DA17 6BG, LONDON	<p>Type of Site: Waste Management Facility (Conversion)</p> <p>Planning application reference: 22/02568/FUL</p> <p>Description: Scheme comprises change of use from existing general industrial (B2 and B8) use to a waste management facility, with two weighbridges (sui generis).</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	31/10/2022
I	263m SE	Site Address: Former Nufarm Uk Ltd, Crabtree Manorway North, BELVEDERE, Bexley, DA17 6	<p>Type of Site: Material Recycling Facility</p> <p>Planning application reference: 11/01715/FULMEA</p> <p>Description: Scheme comprises redevelopment of site and construction of a material recycling facility and energy generation facility, incorporating a gatehouse, double weighbridge, ancillary external plant and equipment, a flue stack, air cooling units and silos, associated access, parking, landscaping. Construction - metal cladding walls; metal cladding, photovoltaic panels roof; roller shutter doors; air conditioned, comb. heat & pwr sys. heating; black top surfacing, block paving, concrete paving, drain covers, fencing, planting, pumps, Tarmac surfacing, turbine, turfing/grass site works; bathroom fittings; rainwater harvesting architectural hardware. An application (ref: 11/01715/FULMEA) for detailed planning permission was submitted to Bexley L.B. The start date and contract period are for guideline only. Detailed plans submitted.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	01/08/2012
O	402m NE	Site Address: Land at, Frong Lane, Rainham, Havering, RM13	<p>Type of Site: Waste Transfer Station (New/Conversion)</p> <p>Planning application reference: P1364.17</p> <p>Description: Scheme comprises construction of a waste transfer station building for the sorting of non-hazardous and inert dry-waste and the change of use of part of a Haulage yard to a skip hire yard and waste transfer station with the construction of a picking station and waste storage bays with associated hardstandings (as amended) and amended parking and storage layout on the land at Frog Lane, Rainham, including SUDS. The associated works include sewer systems, landscaping, infrastructure, enabling, cable laying and access roads.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	23/02/2018



This data is sourced from Ordnance Survey/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m

15

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 52 >](#)

ID	Location	Details		
B	On site	Site Name: Riverside Resource Recovery Facility Site Address: Riverside Resource Recovery Facility, Norman Road, Belvedere, Bexley, Kent, DA17 6JY Correspondence Address: -	Type of Site: HCI Waste TS (no building) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RIV038 EPR reference: EA/EPR/FB3038AB/A001 Operator: Riverside Resource Recovery Ltd Waste Management licence No: 103887 Annual Tonnage: 4999	Issue Date: 02/03/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	On site	Site Name: Riverside Resource Recovery Facility Site Address: Riverside Resource Recovery Limited, Riverside Resource Recovery Facility, Norman Road, Belvedere, Bexley, Kent, DA17 6JY Correspondence Address: -	Type of Site: HCI Waste TS (no building) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653876 EPR reference: EA/EPR/FB3038AB Operator: Riverside Resource Recovery Limited Waste Management licence No: 103887 Annual Tonnage: 4999	Issue Date: 02/03/2012 Effective Date: 02/03/2012 Modified: 02/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: 02/03/2012 Status: Issued
D	177m SW	Site Name: Meridian Technical Services Site Address: Meridian Technical Services Limited, 14, Hailey Road, Erith, Kent, DA18 4AP Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639741 EPR reference: EA/EPR/VP3490EQ Operator: Meridian Technical Services Limited Waste Management licence No: 83425 Annual Tonnage: 5000	Issue Date: 13/01/2003 Effective Date: 13/01/2003 Modified: 13/01/2003 Surrendered Date: - Expiry Date: - Cancelled Date: 13/01/2003 Status: Issued



ID	Location	Details		
E	191m SE	Site Name: Burts Wharf Recycling Depot Site Address: Plot 3 Burts Wharf, Crabtree Manorway North, Belvedere, Kent, DA17 6LJ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HIG076 EPR reference: EA/EPR/MB3133AP/A001 Operator: Highway United Limited Waste Management licence No: 104859 Annual Tonnage: 74999	Issue Date: 18/10/2013 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
E	191m SE	Site Name: Burts Wharf Recycling Depot Site Address: Highway United Limited, Plot 3 Burts Wharf, Crabtree Manorway North, Belvedere, Kent, DA17 6LJ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 650733 EPR reference: EA/EPR/MB3133AP Operator: Highway United Limited Waste Management licence No: 104859 Annual Tonnage: 74999	Issue Date: 18/10/2013 Effective Date: 18/10/2013 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 18/10/2013 Status: Expired
H	240m SE	Site Name: P M Highway Ltd Site Address: Plot 4 Burts Wharf, Manorway North, Belvedere, Kent, DA17 6LJ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PMH003 EPR reference: EA/EPR/GB3738RT/A001 Operator: P M Highway Ltd Waste Management licence No: 104182 Annual Tonnage: 74999	Issue Date: 30/08/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
H	240m SE	Site Name: P M Highway Ltd Site Address: P M Highway Limited, Plot 4 Burts Wharf, Manorway North, Belvedere, Kent, DA17 6LJ Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644391 EPR reference: EA/EPR/GB3738RT Operator: P M Highway Limited Waste Management licence No: 104182 Annual Tonnage: 74999	Issue Date: 30/08/2012 Effective Date: 30/08/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 30/08/2012 Status: Expired



ID	Location	Details		
G	255m S	Site Name: Westminster Waste Site Address: Westminster Waste Limited, Westminster Waste, Anderson Way, Belvedere, DA17 6BG Correspondence Address: -	Type of Site: 75kte HCl Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE9075AB/A001 Operator: Westminster Waste Limited Waste Management licence No: 120732 Annual Tonnage: -	Issue Date: 10/11/2022 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
5	264m W	Site Name: Crossness STW Combined Heat and Power Plant - EPR/PB3239AW Site Address: Thames Water Utilities Limited, Crossness Sewage Treatment Works, Belvedere Road, Thamesmead, London, SE2 9AQ Correspondence Address: -	Type of Site: Landfill Gas Engine (3 mW) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 627509 EPR reference: EA/EPR/PB3239AW Operator: Thames Water Utilities Limited Waste Management licence No: 400178 Annual Tonnage: 0	Issue Date: 23/02/2021 Effective Date: 23/02/2021 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 23/02/2021 Status: Issued
I	288m SE	Site Name: Burts Wharf W T S Site Address: Crabtree Manorway North, Belvedere, Kent, DA17 6LJ Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JDT001 EPR reference: EA/EPR/ZP3790VS/A001 Operator: J D T (South East) Ltd Waste Management licence No: 102921 Annual Tonnage: 74999	Issue Date: 30/06/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
I	288m SE	Site Name: Burts Wharf W T S Site Address: J D T (South East) Limited, Crabtree Manorway North, Crabtree Manorway North, Belvedere, Kent, DA17 6LJ Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 637883 EPR reference: EA/EPR/ZP3790VS Operator: J D T (South East) Limited Waste Management licence No: 102921 Annual Tonnage: 74999	Issue Date: 30/06/2011 Effective Date: 30/06/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 30/06/2011 Status: Expired



ID	Location	Details		
O	409m NE	Site Name: Andrews Waste Management Site Address: Andrews Waste Management, Frog Lane, Off Marsh Way, Rainham, Essex, RM13 8UG Correspondence Address: -	Type of Site: 75kte HCl Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AND003 EPR reference: EA/EPR/GB3304GL/V002 Operator: Andrews Waste Management Limited Waste Management licence No: 404887 Annual Tonnage: 74999	Issue Date: 19/10/2018 Effective Date: - Modified: 12/08/2019 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
O	409m NE	Site Name: Andrews Waste Management Site Address: Andrews Waste Management, Frog Lane, Off Marsh Way, Rainham, RM13 8UG Correspondence Address: -	Type of Site: 75kte HCl Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AND003 EPR reference: EA/EPR/GB3304GL/V002 Operator: Andrews Waste Management Limited Waste Management licence No: 404887 Annual Tonnage: 74999	Issue Date: 19/10/2018 Effective Date: - Modified: 12/08/2019 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
O	409m NE	Site Name: Andrews Waste Management Site Address: Andrews Waste Management Limited, Andrews Waste Management Limited, Frog Lane, Off Marsh Way, Rainham, Essex, RM13 8UG Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 637983 EPR reference: EA/EPR/GB3304GL Operator: Andrews Waste Management Limited Waste Management licence No: 404887 Annual Tonnage: 74999	Issue Date: 19/10/2018 Effective Date: 19/10/2018 Modified: 19/10/2018 Surrendered Date: - Expiry Date: - Cancelled Date: 19/10/2018 Status: Issued



ID	Location	Details		
12	468m E	Site Name: Frog Island Waste Management Facility EPR/ZP3533BS Site Address: Renewi Uk Services Limited, Frog Island Waste Management Facility, Creek Way, Rainham, Greater London, RM13 8EN Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640063 EPR reference: EA/EPR/ZP3533BS Operator: Renewi Uk Services Limited Waste Management licence No: 402250 Annual Tonnage: 387000	Issue Date: 02/11/2021 Effective Date: 02/11/2021 Modified: 02/11/2021 Surrendered Date: - Expiry Date: - Cancelled Date: 02/11/2021 Status: Issued

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m

61

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 52 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
C	56m E	COTTONS CENTRE, HAYS LANE, LONDON, SE1 2TT	WEX095529	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	56m E	NORMAN ROAD, BELVEDERE, DA17 6JY	WEX238256	Storing waste exemption	Not on a farm	Storage of waste in a secure place
1	89m E	Iron Mountain (uk) Ltd Norman Road Belvedere Kent DA17 6JY	EPR/ME5343S G/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	157m SW	CTR (Collections) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270600	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	157m SW	ARB Recycling Limited, Unit 6 & 6A Hailey Road, Erith, DA18 4AP	WEX244227	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	157m SW	CTR (Grading) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270597	Treating waste exemption	Not on a farm	Recovery of textiles



ID	Location	Site	Reference	Category	Sub-Category	Description
D	157m SW	CTR (Grading) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270597	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
D	157m SW	CTR (Grading) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270597	Treating waste exemption	Not on a farm	Sorting mixed waste
D	157m SW	CTR (Grading) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270597	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	157m SW	CTR (Collections) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270600	Treating waste exemption	Not on a farm	Recovery of textiles
D	157m SW	CTR (Collections) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270600	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
D	157m SW	CTR (Collections) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270600	Treating waste exemption	Not on a farm	Sorting mixed waste
D	157m SW	CTR (Collections) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270600	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	157m SW	CTR (Grading) Ltd, Unit 6 - 6A, Hailey Road, Erith, DA18 4AP	WEX270597	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	168m SW	intersped logistics uk limited, 66 hailey road, erith, DA18 4AA	WEX251133	Storing waste exemption	Not on a farm	Storage of waste in a secure place
3	170m E	Alchemy Park, Belvedere, Bexley, DA17 6LJ	WEX258456	Using waste exemption	Not on a farm	Use of waste in construction
F	218m SE	Galliford Try, Crabtree Manorway North, Belvedere, DA17 6LJ	WEX129019	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	218m SE	Galliford Try, Crabtree Manorway North, Belvedere, DA17 6LJ	WEX129019	Using waste exemption	Not on a farm	Use of waste in construction
F	218m SE	Plots 1-7, Crabtree Manor Way North, Belvedere, DA176LJ	WEX103334	Storing waste exemption	Not on a farm	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
F	218m SE	Plots 1-7, Crabtree Manor Way North, Belvedere, DA176LJ	WEX103334	Treating waste exemption	Not on a farm	Screening and blending of waste
J	270m SE	Lidl UK GmbH Fishers Way Kent DA17 6BS	EPR/KE5747M E/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
J	270m SE	Lidl UK GmbH Fishers Way Kent DA17 6BS	EPR/KE5747M E/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste food
J	270m SE	Lidl UK GmbH Fishers Way Kent DA17 6BS	EPR/KE5747M E/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
J	270m SE	Lidl UK GmbH Fishers Way Kent DA17 6BS	EPR/KE5747M E/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
K	272m SW	26, HAILEY ROAD, ERITH, DA18 4AP	WEX116925	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	272m SW	26, HAILEY ROAD, ERITH, DA18 4AP	WEX260186	Storing waste exemption	Not on a farm	Storage of waste in a secure place
6	278m S	-	WEX257471	Using waste exemption	Not on a farm	Use of waste in construction
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX144196	Treating waste exemption	Not on a farm	Sorting mixed waste
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX103165	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX103165	Treating waste exemption	Not on a farm	Treatment of waste food
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX103165	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX103165	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX245618	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX245618	Treating waste exemption	Not on a farm	Treatment of waste food



ID	Location	Site	Reference	Category	Sub-Category	Description
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX245618	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX245618	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	281m SE	FISHERS WAY, BELVEDERE, DA17 6BS	WEX282649	Treating waste exemption	Not on a farm	Sorting mixed waste
L	298m S	Infinity House Anderson Way BELVEDERE Kent DA17 6BG	EPR/RF0908CF /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
L	298m S	Infinity House Anderson Way BELVEDERE Kent DA17 6BG	EPR/RF0908CF /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste to manufacture finished goods
M	310m SW	-	WEX148248	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
M	310m SW	-	WEX148248	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
L	312m S	INFINITY HOUSE, ANDERSON WAY, BELVEDERE, DA17 6BG	WEX152982	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	312m S	INFINITY HOUSE, ANDERSON WAY, BELVEDERE, DA17 6BG	WEX152982	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
7	323m S	Just off roundabout on Anderson way with large horse statue in centre	WEX264193	Using waste exemption	Not on a farm	Use of waste in construction
9	343m NW	DAGENHAM, RM9 6SA	WEX080220	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
11	371m SE	Southfield Alchemy Park Crabtree Manorway North BELVEDERE Kent DA17 6LJ	EPR/EF0705LY /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
N	390m S	Pioneer Works Belvedere Kent DA17 6AH	EPR/EE5451FT /A001	Using waste exemption	Non-Agricultural Waste Only	Burning of waste as a fuel in a small appliance



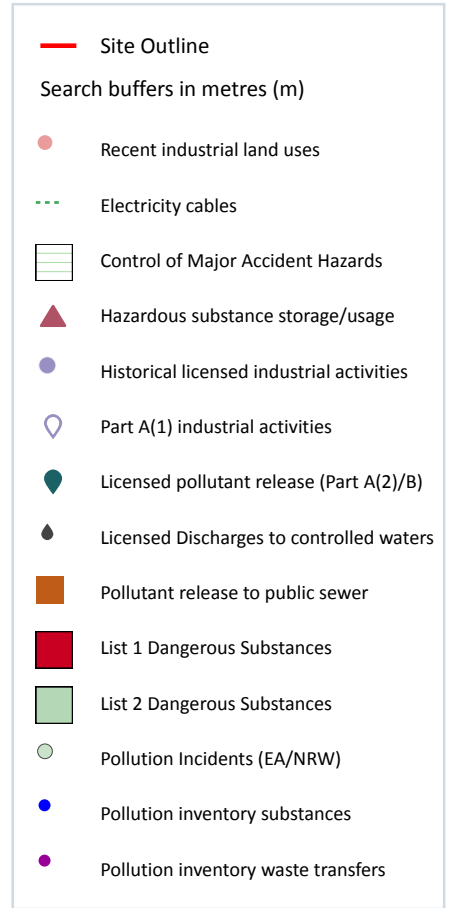
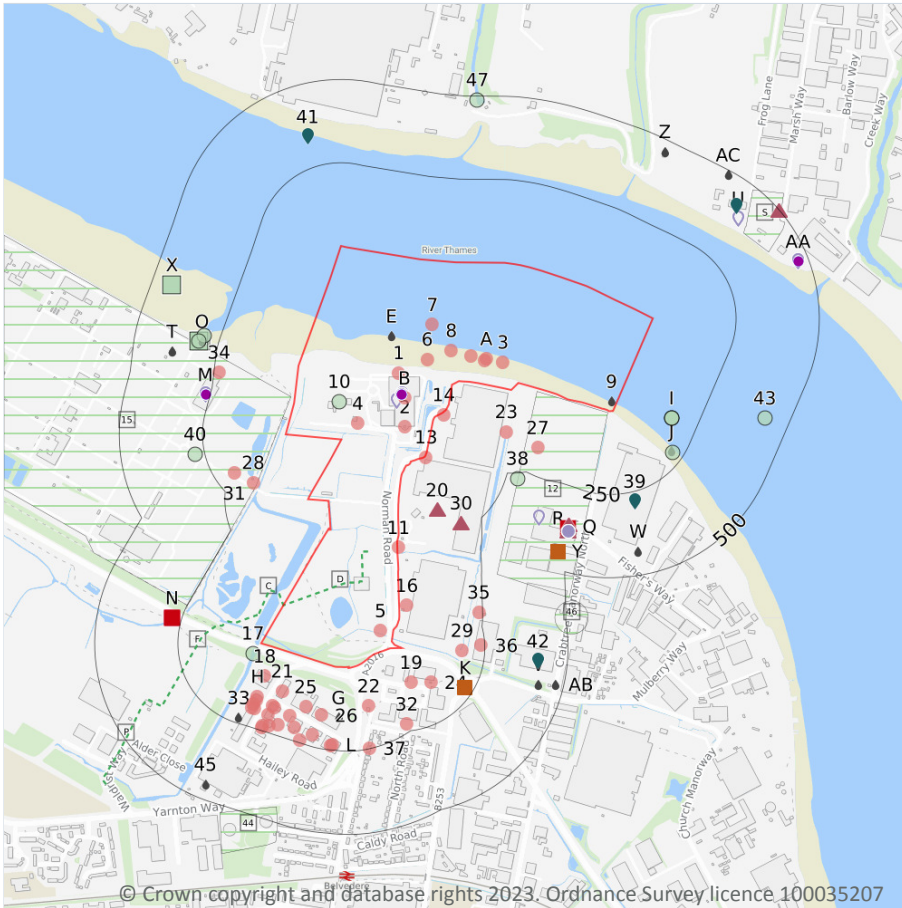
ID	Location	Site	Reference	Category	Sub-Category	Description
N	398m S	BELVEDERE BUSINESS PARK, UNIT 8, CRABTREE MANORWAY SOUTH, BELVEDERE, DA17 6AH	WEX232204	Storing waste exemption	Not on a farm	Storage of waste in secure containers
N	398m S	BELVEDERE BUSINESS PARK, UNIT 8, CRABTREE MANORWAY SOUTH, BELVEDERE, DA17 6AH	WEX088374	Storing waste exemption	Not on a farm	Storage of waste in secure containers
N	398m S	BELVEDERE BUSINESS PARK, UNIT 8, CRABTREE MANORWAY SOUTH, BELVEDERE, DA17 6AH	WEX358038	Storing waste exemption	Not on a farm	Storage of waste in secure containers
P	417m SW	2, ALDER CLOSE, ERITH, DA18 4AJ	WEX230409	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
P	417m SW	2, ALDER CLOSE, ERITH, DA18 4AJ	WEX356670	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
Q	467m SE	-	WEX295602	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
Q	482m SE	Unit 20, Rear Area, Fisher's way, Belvedere, Kent, DA17 6BS	WEX202091	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
Q	486m SE	Mulberry Asphalt, Fishers Way, Belvedere, DA17 6BS	WEX124653	Using waste exemption	Not on a farm	Use of waste in construction
R	499m N	Jackson Frameworks Fords Pit Kent Avenue Essex RM9 6EL	EPR/BF0308M W/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
R	499m N	Jackson Frameworks Fords Pit Kent Avenue Essex RM9 6EL	EPR/BF0308M W/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
R	499m N	Jackson Frameworks Fords Pit Kent Avenue Essex RM9 6EL	EPR/BF0308M W/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
R	499m N	Jackson Frameworks Fords Pit Kent Avenue Essex RM9 6EL	EPR/BF0308M W/A001	Using waste exemption	Non-Agricultural Waste Only	Use of mulch



ID	Location	Site	Reference	Category	Sub-Category	Description
R	499m N	Jackson Frameworks Fords Pit Kent Avenue Essex RM9 6EL	EPR/BF0308M W/A001	Using waste exemption	Non-Agricultural Waste Only	Spreading of plant matter to confer benefit
R	499m N	Jackson Frameworks Fords Pit Kent Avenue Essex RM9 6EL	EPR/BF0308M W/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste for a specified purpose

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m 51

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Company	Address	Activity	Category
1	On site	Tank	Greater London, DA17	Tanks (Generic)	Industrial Features
2	On site	Chimney	Greater London, DA17	Chimneys	Industrial Features
3	On site	Cranes	Greater London, DA17	Travelling Cranes and Gantries	Industrial Features

ID	Location	Company	Address	Activity	Category
4	On site	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
5	On site	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
6	On site	Wharf	Greater London, DA17	Moorings and Unloading Facilities	Water
7	On site	Mooring Posts	Greater London, DA17	Moorings and Unloading Facilities	Water
8	On site	Dolphin	Greater London, DA17	Moorings and Unloading Facilities	Water
A	On site	Cranes	Greater London, DA17	Travelling Cranes and Gantries	Industrial Features
A	On site	Cranes	Greater London, DA17	Travelling Cranes and Gantries	Industrial Features
A	On site	Jetty	Greater London, DA17	Moorings and Unloading Facilities	Water
B	On site	Riverside Resource Recovery Ltd	-, Norman Road, Belvedere, Greater London, DA17 6JY	Energy Production	Industrial Features
11	3m S	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
13	4m S	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
14	7m E	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
16	23m S	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
18	92m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
19	108m S	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
21	118m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
22	125m S	Pumping Station	Greater London, DA17	Water Pumping Stations	Industrial Features
23	126m E	Tank	Greater London, DA17	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
24	136m S	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
25	141m S	Cesped	66, Hailey Road, Erith, Greater London, DA18 4AA	Distribution and Haulage	Transport, Storage and Delivery
26	151m S	Trezel Commercial s	66, Hailey Road, Erith, Greater London, DA18 4AA	Vehicle Repair, Testing and Servicing	Repair and Servicing
H	156m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
H	168m SW	Vantage Press Ltd	5, Hailey Road, Erith, Greater London, DA18 4AA	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
H	169m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
27	170m E	Calor	Land at Burts Wharf, Crabtree Manorway North, Belvedere, Greater London, DA17 6JY	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
H	172m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
28	172m SW	Wind Turbine	Greater London, DA17	Energy Production	Industrial Features
H	180m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
H	181m SW	Electricity Sub Station	Greater London, DA18	Electrical Features	Infrastructure and Facilities
29	182m S	Gantry	Greater London, DA17	Travelling Cranes and Gantries	Industrial Features
H	193m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
31	193m W	Wind Turbine	Greater London, DA17	Energy Production	Industrial Features
H	193m SW	Meridian Technical Services Ltd	14, Hailey Road, Erith, Greater London, DA18 4AP	Waste Storage, Processing and Disposal	Infrastructure and Facilities
H	199m SW	Kent Precision Tooling	9, Hailey Road, Erith, Greater London, DA18 4AA	Rubber, Silicones and Plastics	Industrial Products
H	211m S	Begg & Co	71, Hailey Road, Erith, Greater London, DA18 4AW	Rubber, Silicones and Plastics	Industrial Products



ID	Location	Company	Address	Activity	Category
H	216m S	Intersped Logistics UK Ltd	Williams House 61, Hailey Road, Erith, Greater London, DA18 4AA	Distribution and Haulage	Transport, Storage and Delivery
H	217m SW	Electricity Sub Station	Greater London, DA18	Electrical Features	Infrastructure and Facilities
32	227m S	Electricity Sub Station	Greater London, DA17	Electrical Features	Infrastructure and Facilities
H	228m SW	A M K Distribution Ltd	13, Hailey Road, Erith, Greater London, DA18 4AA	Distribution and Haulage	Transport, Storage and Delivery
L	234m S	Factory	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
H	235m SW	Seropa Ltd	15, Hailey Road, Erith, Greater London, DA18 4AA	Food and Beverage Industry Machinery	Industrial Products
34	235m W	Chimney	Greater London, DA17	Chimneys	Industrial Features
L	238m S	Citipost	Eastern House 51, Hailey Road, Erith, Greater London, DA18 4AA	Distribution and Haulage	Transport, Storage and Delivery
35	238m S	Tank	Greater London, DA17	Tanks (Generic)	Industrial Features
36	240m S	Works	Greater London, DA17	Unspecified Works Or Factories	Industrial Features
H	241m S	Tank	Greater London, DA18	Tanks (Generic)	Industrial Features
H	241m SW	Works	Greater London, DA18	Unspecified Works Or Factories	Industrial Features
37	248m S	L A Waste Recycling	134, Norman Road, Belvedere, Greater London, DA17 6LD	Recycling, Reclamation and Disposal	Recycling Services

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.



4.3 Electricity cables

Records within 500m

8

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Cable Set	Cable Route	Details	
C	On site	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
C	On site	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	On site	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	On site	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	52m SW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	52m SW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
P	355m SW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
P	355m SW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

5

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Company	Address	Operational status	Tier
12	3m E	Nufarm Ltd	Nufarm Ltd, Crabtree Manorway, Belvedere, DA17 6BQ	Historical COMAH Site	-
15	12m W	Thames Water Utilities Limited	Thames Water Utilities Limited, Crossness Sewage Treatment Works, Belvedere Road, Abbey Wood, Greater London, SE2 9AQ	Current COMAH Site	COMAH Lower Tier Operator
S	374m NE	Flogas Britain Limited	Flogas Britain Limited, Rainham, Marsh Way, Rainham, Essex, RM13 8UH	Current COMAH Site	COMAH Upper Tier Operator
44	454m S	British Gas	British Gas, Belvedere Gas Holder Station, Sutherland Road, Belveder	Historical NIHHS Site	-
46	467m SE	Henkel Ltd	Henkel Ltd, Erith Ind Est, Crabtree Manorway North, Belvedere, DA17 6AT	Historical COMAH Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

7

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Details	
20	116m S	Application reference number: No Details Application status: Approved Application date: No Details Address: Asda Stores Ltd, Asda Erith CDC Distribution Centre, Norman Road, Belvedere, England, DA17 6JY	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
30	188m S	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: ASDA Stores Limited, Norman Road, Belvedere, England, DA17 6JY	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
Q	362m SE	Application reference number: 06/01154/HAZ Application status: Historical Consent Application date: 22/03/2006 Address: Nufarm UK Ltd, Crabtree Manorway North, Belvedere, Kent, DA17 6BQ	Details: Hazardous Substances Consent For Storage And Use Of Specified Hazardous Substances (removing The Use And Storage Of Chlorine) Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
Q	362m SE	Application reference number: No Details Application status: Approved Application date: No Details Address: Calor Gas, Burts Wharf Industrial Estate, Crabtree Manorway North, North Belvedere, Bexley London Borough Council, England, DA17 6LJ	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
Q	380m SE	Application reference number: 02/01358/HAZ Application status: Approved Application date: 10/04/2002 Address: Nufarm UK Ltd, Crabtree Manorway North, Belvedere, Bexley London Borough Council, England, DA17 6BQ	Details: Hazardous Substances Consent For Storage And Use Of A Wider Range Of Hazardous Substances Covered By The Amendments Of The Control Of Major Accident Hazards (comah) Regulations 1999. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
S	496m NE	Application reference number: H0002.92 Application status: Historical Consent Application date: 17/12/1992 Address: Flogas Ltd, Fairview Industrial Estate, Marsh Way, Rainham, RM13 8UH	Details: Storage of liquified petroleum gas in quantities above the controlled level Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Details	
S	496m NE	Application reference number: H0001.92 Application status: Approved Application date: 09/06/1992 Address: Flogas Britain Ltd, Marsh Way, Fairview Industrial Estate, Rainham, Essex, England, RM13 8UH	Details: Storage and distribution of liquified petroleum gas in bulk and in cylinders Enforcement: No Enforcments Notified Date of enforcement: No Enforcments Notified Comment: No Enforcments Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

26

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Details	
B	On site	Operator: Riverside Resource Recovery Ltd Address: Norman Road, Belvedere, Kent, DA17 6JY Process: Incineration Permit Number: AH8719	Original Permit Number: IPCAPP Date Approved: 25-5-1993 Effective Date: 25-5-1993 Status: Superseded By Variation
B	On site	Operator: Riverside Resource Recovery Ltd Address: Norman Road, Belvedere, Kent, DA17 6JY Process: Incineration Permit Number: AJ4901	Original Permit Number: IPCMINVAR Date Approved: 20-9-1993 Effective Date: 20-9-1993 Status: Superseded By Variation
B	On site	Operator: Riverside Resource Recovery Ltd Address: Norman Road, Belvedere, Kent, DA17 6JY Process: Incineration Permit Number: BC4672	Original Permit Number: IPCMINVAR Date Approved: 3-2-1999 Effective Date: 1-3-1999 Status: Superseded By Variation
B	On site	Operator: Riverside Resource Recovery Ltd Address: Norman Road, Belvedere, Kent, DA17 6JY Process: Incineration Permit Number: BC6098	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
B	On site	Operator: Riverside Resource Recovery Ltd Address: Norman Road, Belvedere, Kent, DA17 6JY Process: Incineration Permit Number: BH1484	Original Permit Number: IPCMINVAR Date Approved: 24-3-2000 Effective Date: 3-4-2000 Status: Revoked - Now Ippc
K	225m S	Operator: Cray Valley Ltd Address: Crabtree Manorway South, Belvedere, Kent, DA17 6BA Process: Manufacture And Use Of Organic Chemicals Permit Number: AJ8044	Original Permit Number: IPCAPP Date Approved: 16-3-1994 Effective Date: 16-3-1994 Status: Superseded By Variation



ID	Location	Details	
K	225m S	Operator: Cray Valley Ltd Address: Crabtree Manorway South, Belvedere, Kent, DA17 6BA Process: Manufacture And Use Of Organic Chemicals Permit Number: AX6460	Original Permit Number: IPCMINVAR Date Approved: 22-9-1999 Effective Date: 1-10-1999 Status: Revoked
K	225m S	Operator: Cray Valley Ltd Address: Crabtree Manorway South, Belvedere, Kent, DA17 6BA Process: Manufacture And Use Of Organic Chemicals Permit Number: BC6195	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
K	225m S	Operator: Cray Valley Ltd Address: Crabtree Manorway South, Belvedere, Kent, DA17 6BA Process: Manufacture And Use Of Organic Chemicals Permit Number: BE9438	Original Permit Number: IPCMINVAR Date Approved: 3-2-1999 Effective Date: 1-3-1999 Status: Superseded By Variation
Q	380m SE	Operator: Henkel Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Acid Processes Permit Number: AG2987	Original Permit Number: IPCAIRAPP Date Approved: 26-11-1992 Effective Date: 26-11-1992 Status: Superseded By Variation
Q	380m SE	Operator: Henkel Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Acid Processes Permit Number: AK4613	Original Permit Number: IPCMINVAR Date Approved: 28-10-1993 Effective Date: 28-10-1993 Status: Superseded By Variation
Q	380m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Processes Involving Halogens Permit Number: AL6018	Original Permit Number: IPCAIRAPP Date Approved: 16-5-1994 Effective Date: 23-5-1994 Status: Superseded By Variation
Q	380m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Processes Involving Halogens Permit Number: AT9963	Original Permit Number: IPCMINVAR Date Approved: 8-3-1996 Effective Date: 15-3-1996 Status: Superseded By Variation
Q	380m SE	Operator: Henkel Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Acid Processes Permit Number: AZ7670	Original Permit Number: IPCMINVAR Date Approved: 3-8-2000 Effective Date: 17-8-2000 Status: Revoked - Now Ippc
Q	380m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Processes Involving Halogens Permit Number: BC4702	Original Permit Number: IPCMINVAR Date Approved: 3-2-1999 Effective Date: 1-3-1999 Status: Superseded By Variation



ID	Location	Details	
Q	380m SE	Operator: Henkel Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Acid Processes Permit Number: BC6594	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
Q	380m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Processes Involving Halogens Permit Number: BD3426	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
Q	380m SE	Operator: Henkel Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Acid Processes Permit Number: BE9560	Original Permit Number: IPCMINVAR Date Approved: 3-2-1999 Effective Date: 1-3-1999 Status: Superseded By Variation
Q	380m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6AT Process: Processes Involving Halogens Permit Number: BL0723	Original Permit Number: IPCMINVAR Date Approved: 30-11-2001 Effective Date: 1-12-2001 Status: Revoked - Now Ippc
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: AK1312	Original Permit Number: IPCAIRAPP Date Approved: 8-2-1994 Effective Date: 8-2-1994 Status: Superseded By Variation
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: AT9955	Original Permit Number: IPCMINVAR Date Approved: 8-3-1996 Effective Date: 15-3-1996 Status: Superseded By Variation
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: AX0011	Original Permit Number: IPCMINVAR Date Approved: 21-4-1997 Effective Date: 21-5-1997 Status: Superseded By Variation
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: BC4699	Original Permit Number: IPCMINVAR Date Approved: 3-2-1999 Effective Date: 1-3-1999 Status: Superseded By Variation
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: BD7391	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation



ID	Location	Details	
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: BL3757	Original Permit Number: IPCMINVAR Date Approved: 30-11-2001 Effective Date: 1-12-2001 Status: Superseded By Variation
Y	447m SE	Operator: Nufarm UK Ltd Address: Crabtree Manorway North, Belvedere, Kent, DA17 6BQ Process: Manufacture And Use Of Organic Chemicals Permit Number: BM3566	Original Permit Number: IPCMINVAR Date Approved: 9-1-2002 Effective Date: 14-1-2002 Status: Revoked - Now Ippc

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

46

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Details	
B	On site	Operator: CORY ENVIRONMENTAL HOLDINGS LIMITED Installation Name: Riverside Energy Park Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: GP3535QS Original Permit Number: GP3535QS	EPR Reference: EPR/GP3535QS Issue Date: 17/07/2020 Effective Date: 17/07/2020 Last date noted as effective: 25/05/2023 Status: Effective
B	On site	Operator: CORY ENVIRONMENTAL HOLDINGS LIMITED Installation Name: Riverside Energy Park Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: GP3535QS Original Permit Number: GP3535QS	EPR Reference: EPR/GP3535QS Issue Date: 17/07/2020 Effective Date: 17/07/2020 Last date noted as effective: 25/05/2023 Status: Effective



ID	Location	Details	
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: Riverside Resource Recovery EPR/BK0825IU Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: DP3923PB Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 12/10/2022 Effective Date: 19/10/2022 Last date noted as effective: 21/03/2023 Status: Effective
B	On site	Operator: RIVERSIDE RESOURCE RECOVERY LTD Installation Name: - Process: WASTE INCINERATION; MUNICIPAL WASTE >3T/HR Permit Number: BK0825 Original Permit Number: BK0825	EPR Reference: - Issue Date: 08/09/2003 Effective Date: 08/09/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: RP3008SK Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 02/06/2020 Effective Date: 02/06/2020 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: Riverside Resource Recovery EPR/BK0825IU Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: VP3230WG Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 27/10/2014 Effective Date: 27/10/2014 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: Riverside Resource Recovery Limited EPR/BK0825IU Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: QP3000MT Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 25/08/2022 Effective Date: 25/08/2022 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: XP3538CF Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 21/03/2012 Effective Date: 21/03/2012 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS OTHERWISE STATED Permit Number: BK0825IU Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 08/09/2003 Effective Date: 08/09/2003 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: BP3233VV Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 06/02/2014 Effective Date: 06/02/2014 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: JP3600PW Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 22/05/2019 Effective Date: 22/05/2019 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: RP3432UT Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 04/10/2007 Effective Date: 04/10/2007 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: Riverside Resource Recovery Limited Installation Name: RIVERSIDE RESOURCE RECOVERY Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: SP3836ZG Original Permit Number: BK0825IU	EPR Reference: - Issue Date: 07/02/2013 Effective Date: 07/02/2013 Last date noted as effective: 21/03/2023 Status: Superseded
B	On site	Operator: RIVERSIDE RESOURCE RECOVERY LIMITED Installation Name: Riverside Resource Recovery EPR/BK0825IU Process: INCINERATION OF NON-HAZARDOUS WASTE 5.1 A(1) B) Permit Number: BK0825IU Original Permit Number: BK0825IU	EPR Reference: EPR/BK0825IU Issue Date: 19/10/2022 Effective Date: 19/10/2022 Last date noted as effective: 25/05/2023 Status: Effective



ID	Location	Details	
M	264m W	Operator: Thames Water Utilities Limited Installation Name: Crossness STW Combined Heat and Power Plant - EPR/PB3239AW Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BP3937QT Original Permit Number: BP3937QT	EPR Reference: - Issue Date: 23/02/2021 Effective Date: 23/02/2021 Last date noted as effective: 21/03/2023 Status: Effective
M	264m W	Operator: Thames Water Utilities Ltd Installation Name: Crossness Sludge Powered Generator - EPR/UP3737PQ Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: MP3732EA Original Permit Number: UP3737PQ	EPR Reference: - Issue Date: 17/12/2013 Effective Date: 17/12/2013 Last date noted as effective: 21/03/2023 Status: Effective
M	264m W	Operator: Thames Water Utilities Ltd Installation Name: Crossness Sludge Powered Generator Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: UP3737PQ Original Permit Number: UP3737PQ	EPR Reference: - Issue Date: 26/10/2005 Effective Date: 26/10/2005 Last date noted as effective: 21/03/2023 Status: Superseded
M	264m W	Operator: THAMES WATER UTILITIES LIMITED Installation Name: Crossness STW Combined Heat and Power Plant - EPR/PB3239AW Process: COMBUSTION; ANY FUEL =>50MW Permit Number: PB3239AW Original Permit Number: BP3937QT	EPR Reference: EPR/PB3239AW Issue Date: 23/02/2021 Effective Date: 23/02/2021 Last date noted as effective: 25/05/2023 Status: Effective
M	264m W	Operator: THAMES WATER UTILITIES LIMITED Installation Name: Crossness Sludge Powered Generator - EPR/UP3737PQ Process: INCINERATION OF NON-HAZARDOUS WASTE 5.1 A(1) B) Permit Number: UP3737PQ Original Permit Number: UP3737PQ	EPR Reference: EPR/UP3737PQ Issue Date: 17/12/2013 Effective Date: 17/12/2013 Last date noted as effective: 25/05/2023 Status: Effective
R	366m SE	Operator: NUFARM LIMITED Installation Name: Belvedere Crop Protection Facility Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: ZP3630LK Original Permit Number: ZP3630LK	EPR Reference: EPR/ZP3630LK Issue Date: 24/02/2011 Effective Date: 24/02/2011 Last date noted as effective: 25/05/2023 Status: Surrendered



ID	Location	Details	
R	366m SE	Operator: Nufarm UK Ltd Installation Name: Belvedere Crop Protection Facility Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: JP3038TM Original Permit Number: ZP3630LK	EPR Reference: - Issue Date: - Effective Date: 24/02/2011 Last date noted as effective: 21/03/2023 Status: Surrender Effective
U	394m NE	Operator: NOVERA VENTURES LIMITED Installation Name: East London Sustainable Energy Facility EPR/MP3537SN Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: MP3537SN Original Permit Number: MP3537SN	EPR Reference: EPR/MP3537SN Issue Date: 15/09/2006 Effective Date: 15/09/2006 Last date noted as effective: 25/05/2023 Status: Superseded
U	394m NE	Operator: NOVERA VENTURES LIMITED Installation Name: East London Sustainable Energy Facility EPR/MP3537SN Process: COMBUSTION; ANY FUEL =>50MW Permit Number: MP3537SN Original Permit Number: MP3537SN	EPR Reference: EPR/MP3537SN Issue Date: 15/09/2006 Effective Date: 15/09/2006 Last date noted as effective: 25/05/2023 Status: Superseded
U	394m NE	Operator: Biossence (East London) Ltd Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: VP3535KF Original Permit Number: VP3535KF	EPR Reference: - Issue Date: 28/07/2009 Effective Date: 28/07/2009 Last date noted as effective: 21/03/2023 Status: Superseded
U	394m NE	Operator: Biossence (East London) Limited Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Permit Number: YP3739VZ Original Permit Number: VP3535KF	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 14/10/2016 Last date noted as effective: 21/03/2023 Status: Revoked
U	394m NE	Operator: Biossence (East London) Ltd Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: VP3535KF Original Permit Number: VP3535KF	EPR Reference: - Issue Date: 28/07/2009 Effective Date: 28/07/2009 Last date noted as effective: 21/03/2023 Status: Superseded

ID	Location	Details	
U	394m NE	Operator: Biossence (East London) Ltd Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: GP3833ZZ Original Permit Number: VP3535KF	EPR Reference: - Issue Date: 21/01/2013 Effective Date: 21/01/2013 Last date noted as effective: 21/03/2023 Status: Superseded
U	394m NE	Operator: Biossence (East London) Ltd Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: COMBUSTION; ANY FUEL =>50MW Permit Number: NP3837KZ Original Permit Number: VP3535KF	EPR Reference: - Issue Date: 22/12/2010 Effective Date: 22/12/2010 Last date noted as effective: 21/03/2023 Status: Superseded
U	394m NE	Operator: Biossence (East London) Ltd Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: NP3837KZ Original Permit Number: VP3535KF	EPR Reference: - Issue Date: 22/12/2010 Effective Date: 22/12/2010 Last date noted as effective: 21/03/2023 Status: Superseded
U	394m NE	Operator: BIOSSENCE (EAST LONDON) LIMITED Installation Name: East London Sustainable Energy Facility EPRVP3535KF Process: COINCINERATION OF HAZARDOUS WASTE Permit Number: VP3535KF Original Permit Number: VP3535KF	EPR Reference: EPR/VP3535KF Issue Date: 14/10/2016 Effective Date: 14/10/2016 Last date noted as effective: 25/05/2023 Status: Revoked
AA	468m E	Operator: RENEWI UK SERVICES LIMITED Installation Name: FROG ISLAND WASTE MANAGEMENT FACILITY Process: ASSOCIATED PROCESS Permit Number: WP3436YS Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/07/2018 Status: DETERMINATION
AA	468m E	Operator: RENEWI UK SERVICES LIMITED Installation Name: FROG ISLAND WASTE MANAGEMENT FACILITY EPR/ZP3533BS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: UP3602SF Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2021 Status: DETERMINATION
AA	468m E	Operator: Shanks Waste Management Ltd Installation Name: Frog Island WM Facility EPR/ZP3533BS/V006 Process: ASSOCIATED PROCESS Permit Number: HP3634VK Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: TP3937YF Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 26/04/2019 Effective Date: 26/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: WP3436YS Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 29/06/2018 Effective Date: 29/06/2018 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Shanks Waste Management Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: ASSOCIATED PROCESS Permit Number: RP3539YU Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 17/01/2017 Effective Date: 17/01/2017 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Shanks Waste Management Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: RP3539YU Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 17/01/2017 Effective Date: 17/01/2017 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Shanks Waste Management Ltd Installation Name: Frog Island WM Facility EPR/ZP3533BS/V006 Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: HP3634VK Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 02/04/2015 Effective Date: 02/04/2015 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: ASSOCIATED PROCESS Permit Number: UP3602SF Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 02/11/2021 Effective Date: 02/11/2021 Last date noted as effective: 21/03/2023 Status: Effective



ID	Location	Details	
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: UP3602SF Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 02/11/2021 Effective Date: 02/11/2021 Last date noted as effective: 21/03/2023 Status: Effective
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: WP3436YS Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 29/06/2018 Effective Date: 29/06/2018 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: ASSOCIATED PROCESS Permit Number: TP3937YF Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 26/04/2019 Effective Date: 26/04/2019 Last date noted as effective: 21/03/2023 Status: Superseded
AA	468m E	Operator: Renewi UK Services Limited Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PRE-TREATMENT OF WASTE FOR INCINERATION OR CO-INCINERATION Permit Number: UP3602SF Original Permit Number: ZP3533BS	EPR Reference: - Issue Date: 02/11/2021 Effective Date: 02/11/2021 Last date noted as effective: 21/03/2023 Status: Effective
AA	468m E	Operator: RENEWI UK SERVICES LIMITED Installation Name: Frog Island Waste Management Facility EPR/ZP3533BS Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 75 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: ZP3533BS Original Permit Number: ZP3533BS	EPR Reference: EPR/ZP3533BS Issue Date: 02/11/2021 Effective Date: 02/11/2021 Last date noted as effective: 25/05/2023 Status: Effective



ID	Location	Details	
AA	468m E	Operator: RENEWI UK SERVICES LIMITED Installation Name: Frog Island Waste Management Facility Facility EPR/ZP3533BS Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PRE-TREATMENT OF WASTE FOR INCINERATION OR CO-INCINERATION Permit Number: ZP3533BS Original Permit Number: ZP3533BS	EPR Reference: EPR/ZP3533BS Issue Date: 02/11/2021 Effective Date: 02/11/2021 Last date noted as effective: 25/05/2023 Status: Effective
AA	468m E	Operator: RENEWI UK SERVICES LIMITED Installation Name: Frog Island Waste Management Facility Facility EPR/ZP3533BS Process: ASSOCIATED PROCESS Permit Number: ZP3533BS Original Permit Number: ZP3533BS	EPR Reference: EPR/ZP3533BS Issue Date: 02/11/2021 Effective Date: 02/11/2021 Last date noted as effective: 25/05/2023 Status: Effective

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

4

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Address	Details	
39	278m SE	Keith Ceramic Materials Ltd, Fishers Way, Belvedere, DA17 6BS	Process: Manufacture of Clay Status: Revoked Permit Type: Part B	Enforcement: Enforcement Served Date of enforcement: 27/08/1999 Comment: Removal of chimney cowl.
41	343m NW	Ford Motor Co. Limited, Ford Industrial Park, Ford Mot, Thames Avenue, Dagenham, Essex, RM9 6S	Process: Burning any Fuel in Appliance Thermal Input >50MW Status: Historical Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
42	411m SE	Vencil Resil Ltd, Infinity House, Anderson Way, Belvedere, DA17 6BG	Process: Coating Processes Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
U	418m NE	Andrews Excavations Limited, Frog Lane, Rainham, Essex, RM13 8UG	Process: Other Mineral Processes Status: Current Permit Permit Type: Part B	Enforcement: No enforcements notified Date of enforcement: No enforcements notified Comment: No enforcements notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m

32

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Address	Details	
9	On site	LIDL UK GMBH DISTRIBUTION WAREHOUSE, FISHERS WAY, CRABTREE MANOR WAY NORTH, BELVEDERE, KENT, DA17 6BS	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CASM.0331 Permit Version: 1 Receiving Water: TIDAL RIVER THAMES	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/04/2001 Effective Date: 11/10/2000 Revocation Date: -
E	On site	CONSTRUCTION AT RIVERSIDE RESOURCE, THE RIVERSIDE RESOURCE RECOVERY, FACILITY, NORMAN ROAD, BELVEDERE, LONDON, DA17 6JY	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD004677 Permit Version: 1 Receiving Water: THE RIVER THAMES	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 09/10/2008 Effective Date: 09/10/2008 Revocation Date: 30/06/2009
E	On site	CONSTRUCTION AT RIVERSIDE RESOURCE, THE RIVERSIDE RESOURCE RECOVERY, FACILITY, NORMAN ROAD, BELVEDERE, LONDON, DA17 6JY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD003744 Permit Version: 1 Receiving Water: THE RIVER THAMES	Status: SURRENDERED UNDER EPR 2010 Issue date: 09/10/2008 Effective Date: 09/10/2008 Revocation Date: 30/11/2012



ID	Location	Address	Details	
G	152m S	Norman Road, Norman Road	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1593 Permit Version: 2 Receiving Water: Thames	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 19/08/2014
G	152m S	Norman Road, Norman Road	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1593 Permit Version: 1 Receiving Water: THAMES	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010
J	213m E	DEVELOPMENT AT FISHERS WAY, BELVEDE, DEVELOPMENT AT FISHERS WAY, BELV, EDERE, KENT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CNTW.0980 Permit Version: 2 Receiving Water: RIVER THAMES	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 08/03/1991 Effective Date: 06/11/1992 Revocation Date: 01/10/1996
J	213m E	DEVELOPMENT AT FISHERS WAY, BELVEDE, DEVELOPMENT AT FISHERS WAY, BELV, EDERE, KENT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CNTW.0980 Permit Version: 1 Receiving Water: RIVER THAMES	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 08/03/1991 Effective Date: 08/03/1991 Revocation Date: 05/11/1992
33	233m SW	BELVEDERE, KENT, BELVEDERE, KENT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: CPLP.0140 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 28/06/1968 Effective Date: 07/12/1973 Revocation Date: 20/03/1991
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 8 Receiving Water: THAMES TIDAL	Status: VARIED UNDER EPR 2010 Issue date: 12/12/2018 Effective Date: 12/12/2018 Revocation Date: -
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 8 Receiving Water: THAMES TIDAL	Status: VARIED UNDER EPR 2010 Issue date: 12/12/2018 Effective Date: 12/12/2018 Revocation Date: -
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 8 Receiving Water: THAMES TIDAL	Status: VARIED UNDER EPR 2010 Issue date: 12/12/2018 Effective Date: 12/12/2018 Revocation Date: -



ID	Location	Address	Details	
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 5 Receiving Water: THAMES TIDAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 01/04/2010 Revocation Date: 30/03/2014
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 3 Receiving Water: THAMES	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 30/01/2007
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 7 Receiving Water: THAMES TIDAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 28/01/2009 Effective Date: 01/04/2009 Revocation Date: 31/03/2010
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 6 Receiving Water: THAMES TIDAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2014 Revocation Date: 11/12/2018
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 6 Receiving Water: THAMES TIDAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2014 Revocation Date: 11/12/2018
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 4 Receiving Water: THAMES TIDAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/01/2007 Effective Date: 31/01/2007 Revocation Date: 31/03/2009
O	299m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 6 Receiving Water: THAMES TIDAL	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2010 Effective Date: 31/03/2014 Revocation Date: 11/12/2018



ID	Location	Address	Details	
T	382m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 1 Receiving Water: THAMES	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/03/1978 Effective Date: 31/01/1985 Revocation Date: 20/12/2000
T	382m W	CROSSNESS WWTW, BELVEDERE ROAD, ABBEY WOOD, LONDON, SE2 9AQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSA.0362 Permit Version: 2 Receiving Water: THAMES	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 21/12/2000 Effective Date: 21/12/2000 Revocation Date: 30/03/2005
T	382m W	Crossness, Crossness	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: TEMP.2507 Permit Version: 1 Receiving Water: TIDEWAY	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 30/03/2005
V	425m SE	Crabtree Manorway, Crabtree Manorway	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0770 Permit Version: 2 Receiving Water: Thames	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: -
V	425m SE	Crabtree Manorway, Crabtree Manorway	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0770 Permit Version: 1 Receiving Water: THAMES	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010
W	428m SE	SIDCUP PLANT HIRE, SIDCUP PLANT HIRE, FISHERS WAY SOUTH SIDE, BELVEDERE KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T03195 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 31/03/1997
W	428m SE	SIDCUP PLANT HIRE, FISHERS WAY SOUT, SIDCUP PLANT HIRE, FISHERS WAY S, OUTH SIDE, BELVEDERE, KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.2777 Permit Version: 1 Receiving Water: DITCH	Status: REVOKED - UNSPECIFIED Issue date: 02/09/1988 Effective Date: 02/09/1988 Revocation Date: 21/02/1991
45	455m SW	BELVEDERE POWER STATION, BELVEDERE, BELVEDERE POWER STATION, BELVEDE, RE, KENT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTMR.0107 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 07/07/1976 Effective Date: 07/07/1976 Revocation Date: 15/01/1992



ID	Location	Address	Details	
Z	465m NE	TRANSFER FACILITY, FROG ISLAND, DAG, TRANSFER FACILITY, FROG ISLAND, DAGENHAM, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0749 Permit Version: 2 Receiving Water: UNDERGROUND STRATA	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
Z	465m NE	TRANSFER FACILITY, FROG ISLAND, DAG, TRANSFER FACILITY, FROG ISLAND, DAGENHAM, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0749 Permit Version: 1 Receiving Water: UNDERGROUND STRATA	Status: TRANSFERRED FROM WRA 1963 Issue date: 22/12/1981 Effective Date: 22/12/1981 Revocation Date: 20/12/2012
AB	473m SE	PLOT F, PLOT F, HEDSORBOARD FACTORY, ANDERSON WAY BELVEDERE, BEXLEY KENT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T02638 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/04/1991 Effective Date: 01/04/1991 Revocation Date: 31/03/1997
AB	473m SE	PLOT F, HEDSORBOARD FACTORY, ANDERS, PLOT F, HEDSORBOARD FACTORY, AND, ERSON WAY, BELVEDERE, BEXLEY, KE, NT	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.2336 Permit Version: 1 Receiving Water: BALANCING POND	Status: CONSENT REVOKED - DISCHARGE CEASED (SECTION 37(1)) Issue date: 31/03/1988 Effective Date: 31/03/1988 Revocation Date: 23/05/2006
AC	486m NE	TRANSFER FACILITY, FROG ISLAND, DAG, TRANSFER FACILITY, FROG ISLAND, DAGENHAM, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0750 Permit Version: 2 Receiving Water: GROUNDWATER	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
AC	486m NE	TRANSFER FACILITY, FROG ISLAND, DAG, TRANSFER FACILITY, FROG ISLAND, DAGENHAM, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTLU.0750 Permit Version: 1 Receiving Water: GROUNDWATER	Status: TRANSFERRED FROM WRA 1963 Issue date: 22/12/1981 Effective Date: 22/12/1981 Revocation Date: 20/12/2012

This data is sourced from the Environment Agency and Natural Resources Wales.



4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to public sewer

Records within 500m

4

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Address	Details	
K	225m S	CRAY VALLEY LTD, CRABTREE MANORWAY SOUTH, CRABTREE MANORWAY SOUTH, BELVEDERE, KENT, DA17 6BA	Permission reference: AR6975 Local Authority: LONDON BOROUGH OF BEXLEY First received date: 01/07/2010	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
Y	447m SE	NUFARM UK LTD, CRABTREE MANORWAY NORTH, CRABTREE MANORWAY NORTH, BELVEDERE, KENT, DA17 6BQ	Permission reference: AR0489 Local Authority: LONDON BOROUGH OF BEXLEY First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
Y	447m SE	BAYER AGRICULTURE LTD, CRABTREE MANORWAY NORTH, MANORWAY NORTH, BELVEDERE, KENT, DA17 6BQ	Permission reference: AE7970 Local Authority: LONDON BOROUGH OF BEXLEY First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
Y	447m SE	NUFARM UK LTD, CRABTREE MANORWAY NORTH, CRABTREE MANORWAY NORTH, BELVEDERE, KENT, DA17 6BQ	Permission reference: BY6265 Local Authority: LONDON BOROUGH OF BEXLEY First received date: 06/01/2005	Last received date: 01/01/2018 Status: DEAD (APPLICATION)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

16

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 67 >](#)



ID	Location	Name	Status	Receiving Water	Authorised Substances
N	279m SW	Rhone Poulenc Rainham Road Dagenham	Not Active	-	-
N	279m SW	Rhone Poulenc Rainham Road Dagenham	Not Active	-	-
N	279m SW	Rhone-poulenc Ltd	Active	Thames Estuary	Mercury (other), Cadmium
O	299m W	Crossness Stw	Active	-	-
O	299m W	Crossness Stw	Active	-	-
O	299m W	Crossness Stw	Active	Thames Estuary	Mercury (other), Cadmium, 1,2-dichloroethane
O	299m W	Crossness Stw	Not Active	-	-
O	302m W	Spectrum Oil Colours Ltd, 259 Queen's Road, Wimbledon, Sw19	Active	-	Cadmium
O	302m W	Adm Erith Ltd, Erith, Kent, Da8 1dl	Active	-	Mercury (other)
Q	373m SE	Nufarm Uk Ltd, Belvedere, Kent	Active	-	Mercury (other)
X	440m NW	Ford Motor Company Dagenham Essex	Not Active	-	-
X	440m NW	Ford Motor Company Dagenham Essex	Not Active	-	-
X	440m NW	Ford Motor Company Dagenham Essex	Not Active	-	-
X	440m NW	Ford Motor Company Dagenham Essex	Not Active	-	-
X	440m NW	Ford Motor Company Ltd	Active	Thames Estuary	Mercury (other), Cadmium, Pentachlorophenol
X	440m NW	Ford Motor Co Ltd, Dagenham, Rm9 6sa	Active	-	Mercury (other), Cadmium

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m

36

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
O	302m W	J & A Plating Ltd, 5 Wandle Way, Mitcham	Not Active	-	Chromium, Copper, Nickel



ID	Location	Name	Status	Receiving Water	Authorised Substances
O	302m W	Douglas Metal Finishing, 58 Juno Way, Deptford	Active	-	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
O	302m W	Nufarm Uk Ld, Crabtree Manorway North, Belvedere	Not Active	-	Toluene
O	302m W	Slade Green Plating Ltd, 180-188 Trundeys Rd, Deptford	Not Active	-	Chromium, Copper, Cyanide, Nickel, Zinc
O	302m W	Henkel Ltd, Mulberry Way, Belvedere, Kent	Active	Thames Estuary	Chromium, Copper, Cyanide, Nickel, Zinc
O	302m W	Ctl Componants, Falcon House, Deer Park Rd, London	Active	Thames Estuary	Zinc
O	302m W	Fox Plating, Worsley Bridge Rd, London, Se26 5az	Active	Thames Estuary	Chromium, Copper, Cyanide, Nickel, Zinc
O	302m W	European Colour (pigments) Ltd, Nathan Way, London, Se28 0ay	Not Active	Thames Estuary	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
O	302m W	Kleinwort Benson (guernsey) Ltd, Beddington Lane, Croydon	Active	Thames Estuary	Boron, Chromium
O	302m W	Stone Foundaries Ltd, Woolwich Rd, Charlton	Active	-	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
O	302m W	Harmsworth Quays Printing Ltd, 1 Surrey Quays Rd, Rotherhith	Not Active	-	Phenol
O	302m W	Selchp/onyx, Landmann Way, Lewisham, Se145rs	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	London Chroming, 735 Old Kent Rd, Camberwell, London	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	Mayer Parry Recycling Ltd	Active	-	Chromium, Copper, Lead, Zinc
O	302m W	Rotoplas Ltd	Active	-	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
O	302m W	Mr M Doyle	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	The Radiator Centre (Mitcham)	Active	-	Copper, Lead, Zinc
O	302m W	Reichhold Uk Ltd	Active	-	Xylene
O	302m W	Purpose Powder Coatings Ltd	Active	-	Zinc
O	302m W	G H Zeal Ltd	Active	-	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
O	302m W	Kings College, London	Active	-	Copper



ID	Location	Name	Status	Receiving Water	Authorised Substances
O	302m W	Cory Environmental Ltd	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	S. Smith & Son	Active	-	Copper, Cyanide, Nickel
O	302m W	Chivas Brothers Ltd	Active	-	Copper
O	302m W	Veolia Es Selchp Ltd	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	Spectrum Oil Colours Ltd	Active	-	Chromium, Lead
O	302m W	Alcatel Submarine Networks Ltd	Active	-	Cyanide, Silver
O	302m W	Tower Mint Ltd	Active	-	Chromium, Cyanide, Nickel, Silver
O	302m W	Syral Uk Ltd	Not Active	-	Copper, Zinc
O	302m W	Adm Erith Ltd	Not Active	-	-
O	302m W	Endecotts Ltd	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	Veolia Es (uk) Ltd	Active	-	Chromium, Copper, Lead, Nickel, Silver, Zinc
O	302m W	Jura Spray Ltd	Active	-	Chromium, Copper, Lead, Nickel, Zinc
O	302m W	Crossness Stw	Active	Thames Estuary	None Consented
O	309m W	Crossness Stw	Active	Thames Estuary	-
X	440m NW	Ford Motor Company Ltd	Not Active	Thames Estuary	Tributyltin, Triphenyltin, Atrazine & Simazine

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

12

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 67 >](#)



ID	Location	Details	
10	On site	Incident Date: 28/06/2005 Incident Identification: 324864 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
17	38m SW	Incident Date: 15/04/2005 Incident Identification: 306151 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	169m E	Incident Date: 23/09/2002 Incident Identification: 109889 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	169m E	Incident Date: 15/04/2005 Incident Identification: 305763 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	169m E	Incident Date: 21/04/2005 Incident Identification: 307105 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	216m E	Incident Date: 30/03/2005 Incident Identification: 302361 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
38	266m SE	Incident Date: 08/02/2002 Incident Identification: 57342 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
40	279m W	Incident Date: 16/12/2017 Incident Identification: 1573699 Pollutant: Sewage Materials Pollutant Description: Sludge	Water Impact: Category 1 (Major) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
O	297m W	Incident Date: 21/06/2005 Incident Identification: 322163 Pollutant: Sewage Materials Pollutant Description: Final Effluent	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
O	308m W	Incident Date: 25/08/2005 Incident Identification: 341280 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
43	426m E	Incident Date: 02/07/2003 Incident Identification: 170514 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
47	488m N	Incident Date: 17/07/2010 Incident Identification: 803099 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m

59

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Mercury	1kg	17.41kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - PM2.5	1000kg	819.26kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chromium	10kg	42.63kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	11930.11kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nickel	10kg	18.97kg



ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - PM10	1000kg	1648.89kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Particulate matter - total	10000kg	6431.83kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Arsenic	1kg	1.54kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Anthracene	10kg	Below Reporting Threshold
Air	Lead	100kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Benzo(k)fluoranthene	1kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs) - as WHO TEQ	1e-5kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Naphthalene	100kg	Below Reporting Threshold
Air	Polychlorinated biphenyls (PCBs)	0.1kg	Below Reporting Threshold
Air	Benzo(b)fluoranthene	1kg	Below Reporting Threshold

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector: EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Copper	10kg	12.6kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector: EfW, Sub-sector: EfW
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	1e-5kg	2e-5kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Fluorine and inorganic fluorine compounds - as HF	1000kg	1278.5kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	829325.2kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Cadmium	1kg	2.13kg



ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	2543.2kg

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	766070980kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Asbestos	0.1kg	19.7kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Naphthalene	100kg	Below Reporting Threshold
Air	Nitrous oxide	10000kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	130000kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Chromium	20kg	39.4kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Indeno(1,2,3-cd)pyrene	1kg	11.2kg



ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Nickel	20kg	1320kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(b)fluoranthene	1kg	5.3kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Cyanides - as CN	50kg	364kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Cadmium	1kg	27.9kg



ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Nitrogen - as total N	50000kg	5130000kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Fluorides - as F	2000kg	55800kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Chlorides - as Cl	2000000kg	19600000kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(g,h,i)perylene	0.1kg	3.07kg



ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Nonylphenols and nonylphenol ethoxylates	1kg	628kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Carbon tetrachloride (Tetrachloromethane)	1kg	1.43kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Dioxins and furans (PCDDs/PCDFs) - as WHO TEQ	0.0001kg	0.000498kg
Controlled Waters	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	0.0001kg	0.000498kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Diuron	0.05kg	19.3kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Mercury	0.1kg	6.45kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Halogenated organic compounds - as AOX	1000kg	26500kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Fluoranthene	0.1kg	1.96kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Arsenic	5kg	82.3kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Tributyltin and compounds - as TBT	0.005kg	0.169kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Brominated diphenylethers - penta-, octa- and deca- BDE	0.1kg	0.42kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Phenols - total as C	20kg	81.4kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Organotin compounds - as Sn	5kg	12.7kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	1000000kg	8400000kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Chloroform (Trichloromethane)	5kg	22.9kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Anthracene	0.1kg	9.48kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Di(2-ethylhexyl)phthalate (DEHP)	0.1kg	455kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Naphthalene	1kg	261kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Lead	20kg	267kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	7500kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Dichloromethane (DCM) (Methylene chloride)	10kg	37kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Octylphenols and octylphenol ethoxylates	1kg	3.94kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(k)fluoranthene	1kg	4.25kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Benzo(a)pyrene	1kg	8.64kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Total organic carbon (TOC)	50000kg	3220000kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chloroform (Trichloromethane)	100kg	150kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Copper	20kg	3360kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Phosphorus - as total P	5000kg	651000kg

ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector: Water Industry, Sub-sector: Water Industry
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Controlled Waters	Zinc	100kg	10500kg

ID: AA, Location: 468m E, Permit: ZP3533BS
 Operator: Renewi UK Services Limited
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT
 Address: Frog Island Waste Management Facility Creek Way Essex RM13 8EN
 Sector: Biowaste Treatment, Sub-sector: Biowaste Treatment
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Ammonia	1000kg	1970kg

ID: AA, Location: 468m E, Permit: ZP3533BS
 Operator: Renewi UK Services Limited
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT
 Address: Frog Island Waste Management Facility Creek Way Essex RM13 8EN
 Sector: Biowaste Treatment, Sub-sector: Biowaste Treatment
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Particulate matter - total	10000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Wastewater	Nitrogen - as total N	50000kg	Below Reporting Threshold
Wastewater	Phenols - total as C	20kg	Below Reporting Threshold
Wastewater	Phosphorus - as total P	5000kg	Below Reporting Threshold
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.20 Pollution inventory waste transfers

Records within 500m

3

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on [page 67 >](#)

ID: B, Location: On site, Permit: BK0825IU
 Operator: Riverside Resource Recovery Limited
 Activity: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR.
 Address: RIVERSIDE RESOURCE RECOVERY NORMAN ROAD KENT DA17 6JY
 Sector EfW, Sub-sector: EfW
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	169426.38	absolute value	19 01 12	bottom ash and slag other than those mentioned in 19 01 11	No
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	10355.8	absolute value	19 01 07	solid wastes from gas treatment	Yes
R5	Recycling/reclamation of other inorganic materials	9616.9	absolute value	19 01 07	solid wastes from gas treatment	Yes



ID: M, Location: 264m W, Permit: CSSA.0362
 Operator: THAMES WATER UTILITIES LTD
 Activity: -
 Address: Crossness Sewage Treatment Works Belvedere Road London Greater London SE2 9AQ
 Sector Water Industry, Sub-sector: Water Industry
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	3458.81	absolute value	19 08 01	screenings	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1958.5	absolute value	19 08 02	waste from desanding	No
R10	Land treatment resulting in benefit to agriculture or ecological improvement	20331.88	absolute value	19 08 05	sludges from treatment of urban waste water	No

ID: AA, Location: 468m E, Permit: ZP3533BS
 Operator: Renewi UK Services Limited
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT
 Address: Frog Island Waste Management Facility Creek Way Essex RM13 8EN
 Sector Biowaste Treatment, Sub-sector: Biowaste Treatment
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	99536	absolute value	19 12 10	combustible waste (refuse derived fuel)	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	10986	absolute value	19 12 10	combustible waste (refuse derived fuel)	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	13106	absolute value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R4	Recycling/reclamation of metals and metal compounds	1966.7	absolute value	19 12 02	ferrous metal	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R5	Recycling/reclamation of other inorganic materials	4462	absolute value	19 12 05	glass	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	12719.4	absolute value	20 03 01	mixed municipal waste	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	21.54	absolute value	20 03 01	mixed municipal waste	No
R5	Recycling/reclamation of other inorganic materials	968.74	absolute value	20 02 02	soil and stones	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	189.8	absolute value	20 01 38	wood other than that mentioned in 20 01 37	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3882.4	absolute value	20 03 07	bulky waste	No
R4	Recycling/reclamation of metals and metal compounds	864	absolute value	20 03 07	bulky waste	No
R4	Recycling/reclamation of metals and metal compounds	258.3	absolute value	19 12 03	non-ferrous metal	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	8030.2	absolute value	20 02 01	biodegradable waste	No
R5	Recycling/reclamation of other inorganic materials	1961.8	absolute value	20 03 03	street-cleaning residues	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	15.9	absolute value	16 01 03	end-of-life tyres	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	20.8	absolute value	17 05 04	soil and stones other than those mentioned in 17 05 03	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	112.5	absolute value	18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.64	absolute value	18 01 07	chemicals other than those mentioned in 18 01 06	No
R4	Recycling/reclamation of metals and metal compounds	0.8	absolute value	16 06 05	other batteries and accumulators	No
R4	Recycling/reclamation of metals and metal compounds	7.8	absolute value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
R4	Recycling/reclamation of metals and metal compounds	30.54	absolute value	20 01 23	discarded equipment containing chlorofluorocarbons	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	13.8	absolute value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	Yes

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m

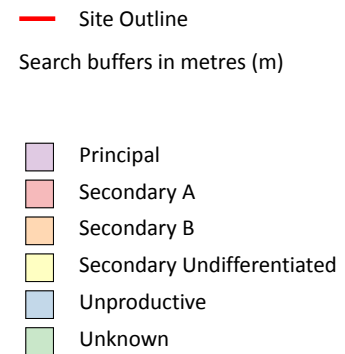
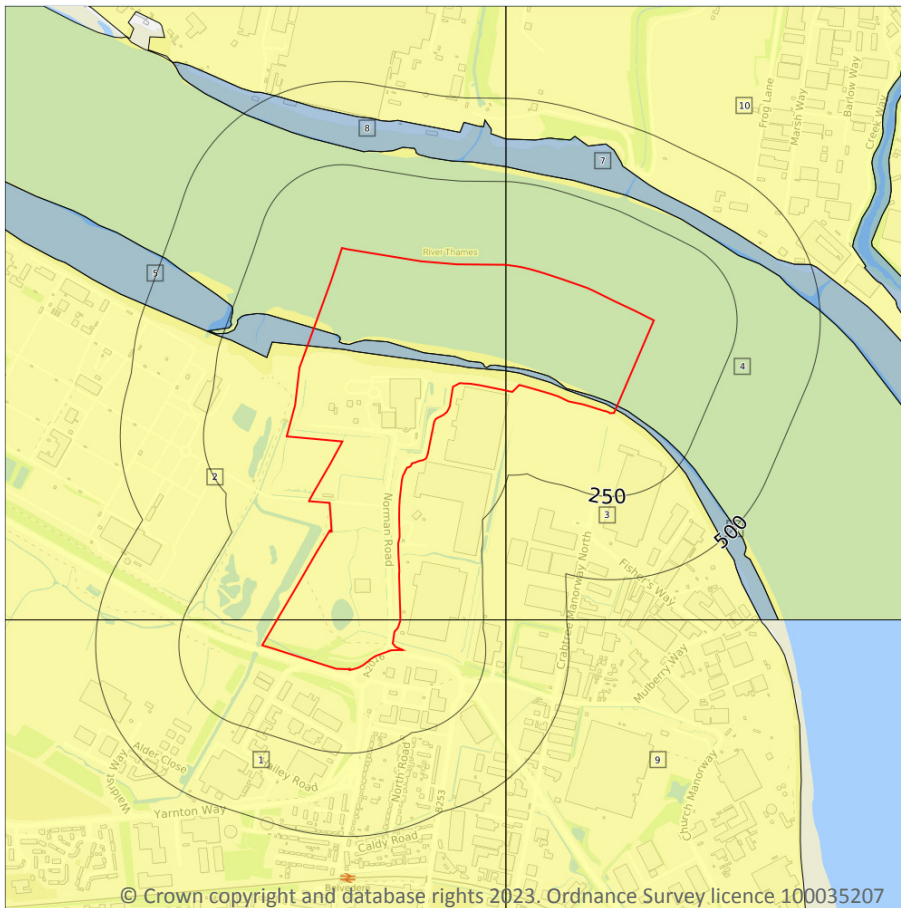
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

10

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 117 >](#)

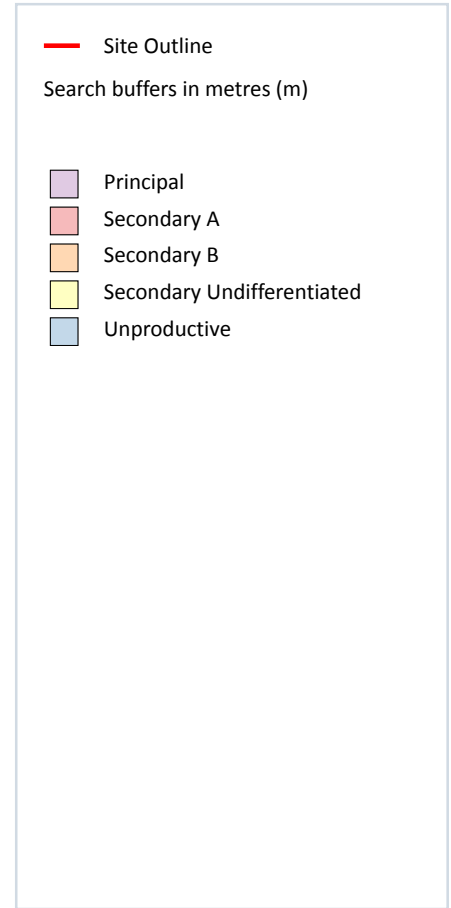
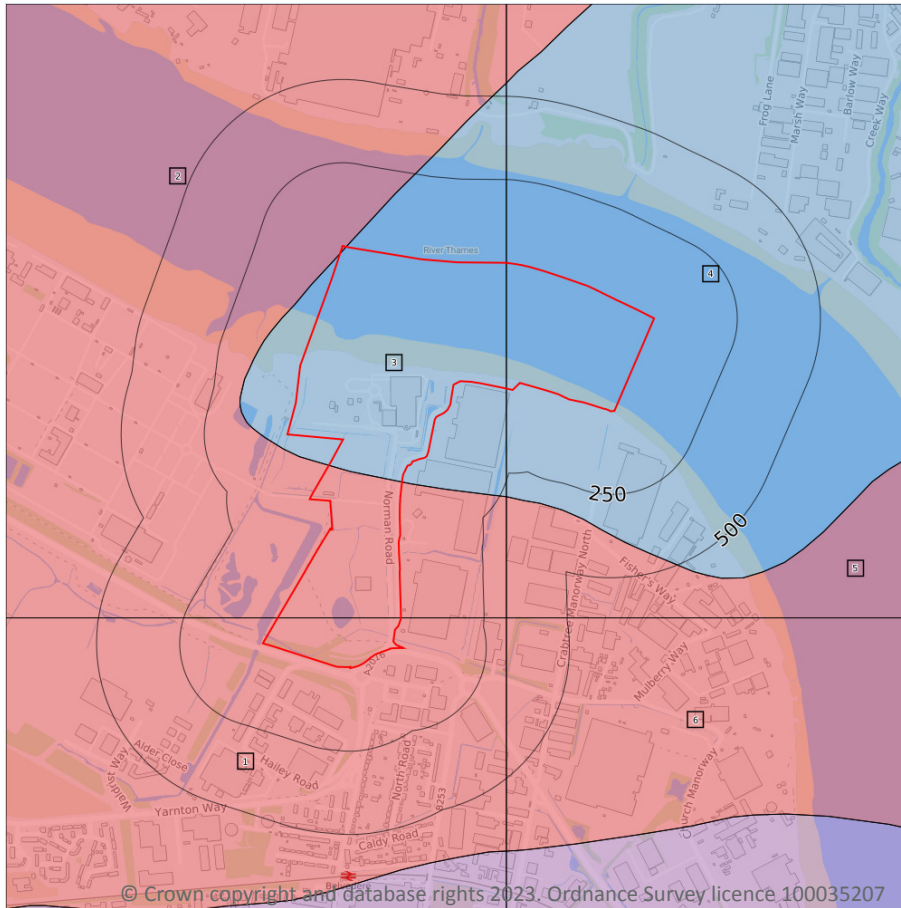
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	285m NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
8	295m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
9	311m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
10	351m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

6

Aquifer status of groundwater held within bedrock geology.

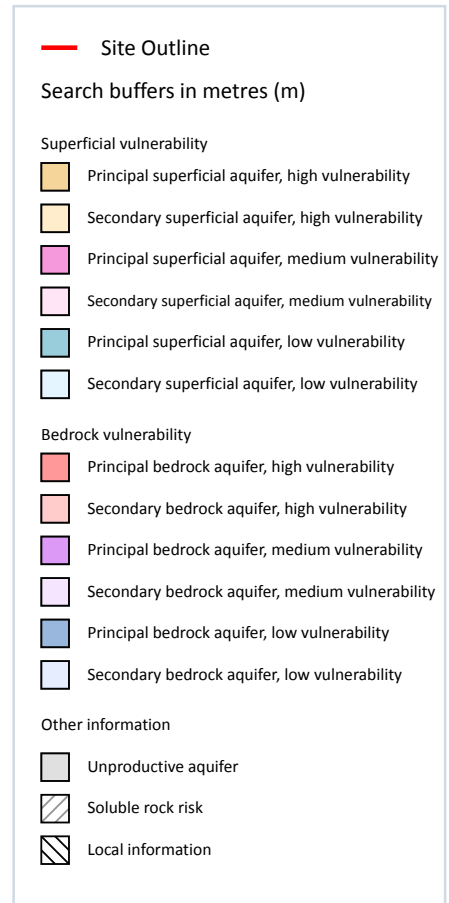
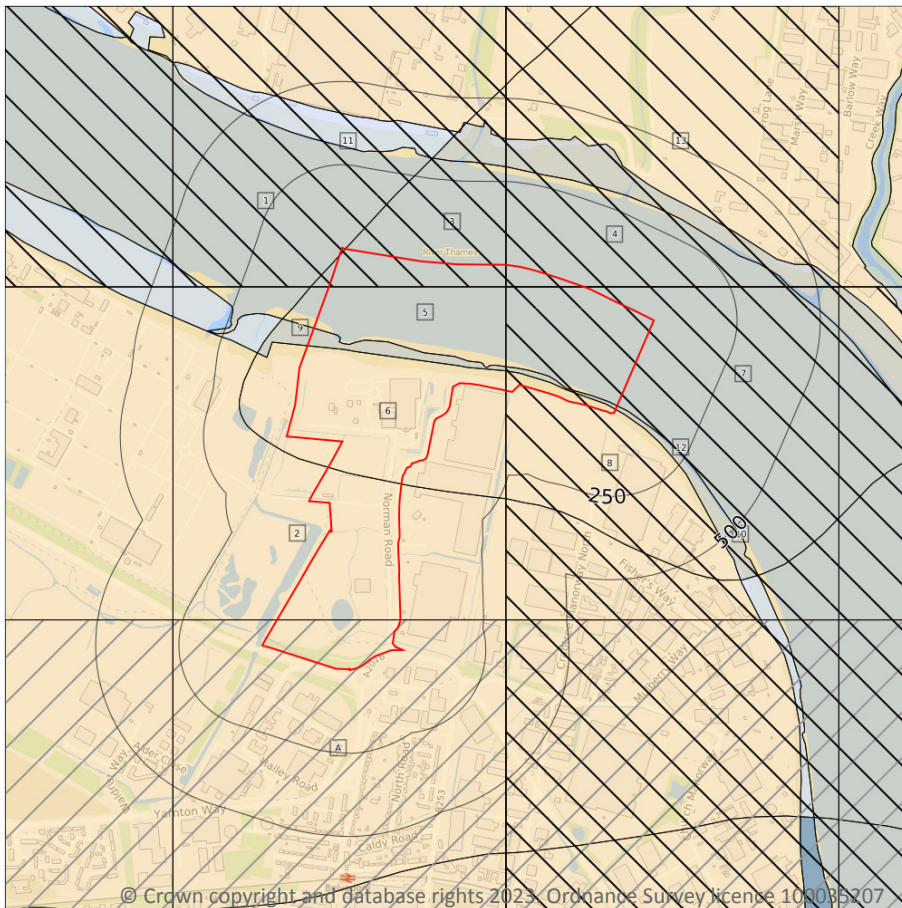
Features are displayed on the Bedrock aquifer map on [page 119 >](#)

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	269m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	311m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

11

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 121 >](#)



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Mixed
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Mixed
3	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
4	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
5	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
6	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
8	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
9	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
10	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
A	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



5.4 Groundwater vulnerability- soluble rock risk

Records on site

1

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.	4.0%

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site

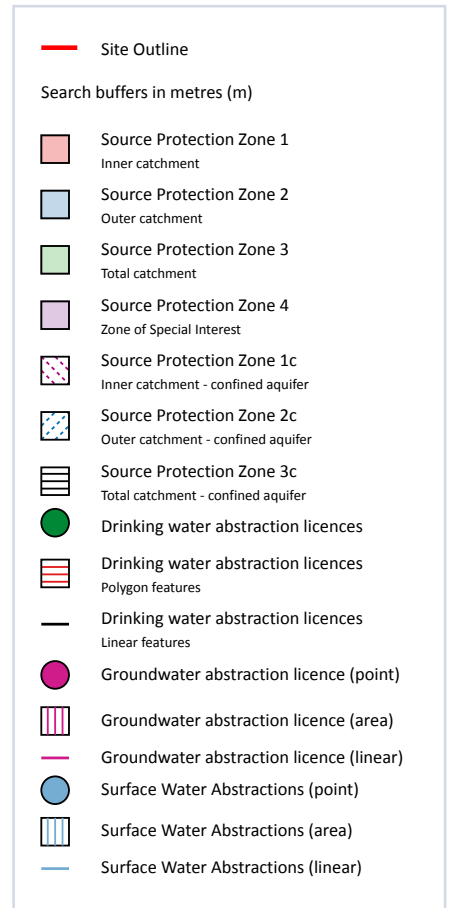
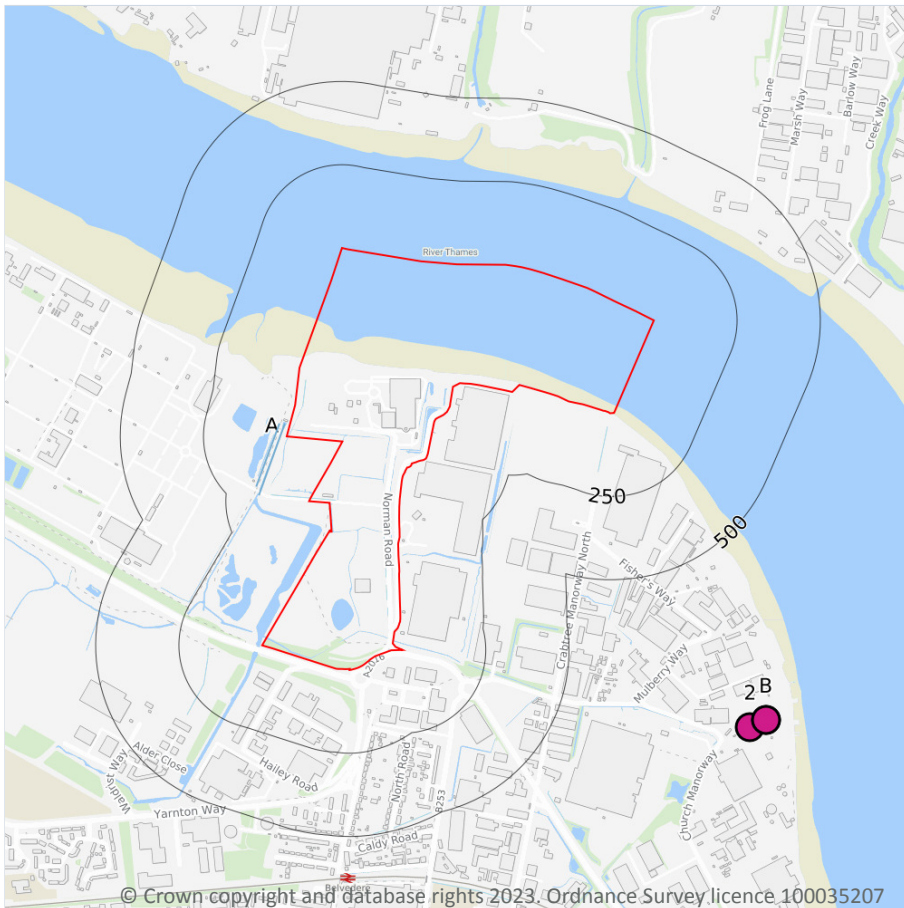
3

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

ID	Summary	Additional information
11	Potentially increased vulnerability of the bedrock aquifer due to limited cover by superficial deposits	Removal of, or limited cover of, superficial deposits within the River Thames
12	Potentially increased vulnerability of the bedrock aquifer due to limited cover by superficial deposits	Removal of, or limited cover of, superficial deposits within the River Thames
13	Potentially increased vulnerability of the bedrock aquifer due to limited cover by superficial deposits	Removal of, or limited cover of, superficial deposits within the River Thames

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

19

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 125 >](#)

ID	Location	Details	
2	1027m SE	Status: Active Licence No: TH/039/0044/012 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: CHURCH MANORWAY, ERITH, KENT - BOREHOLE Data Type: Point Name: Tarmac Trading Limited Easting: 550733 Northing: 179679	Annual Volume (m ³): 40000 Max Daily Volume (m ³): 300 Original Application No: NPS/WR/020813 Original Start Date: 09/05/2013 Expiry Date: 31/03/2025 Issue No: 3 Version Start Date: 26/10/2015 Version End Date: -
B	1027m SE	Status: Historical Licence No: 28/39/44/0032 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: CHURCH MANORWAY, ERITH, KENT - BOREHOLE 'A' Data Type: Point Name: UNITED MARINE AGGREGATES LTD Easting: 550780 Northing: 179700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/12/1995 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: 01/04/2001 Version End Date: -
B	1027m SE	Status: Historical Licence No: 28/39/44/0048 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: CHURCH MANORWAY, ERITH, KENT - BOREHOLE Data Type: Point Name: TARMAC LIMITED Easting: 550780 Northing: 179700	Annual Volume (m ³): 40000 Max Daily Volume (m ³): 300 Original Application No: - Original Start Date: 03/02/2005 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 24/10/2012 Version End Date: -
-	1955m SE	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'D' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550800 Northing: 178300	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -



ID	Location	Details	
-	1955m SE	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'D' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550800 Northing: 178300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1996 Version End Date: -
-	1955m SE	Status: Historical Licence No: 28/39/44/0035 Details: Process water Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'D' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550800 Northing: 178300	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -
-	1955m SE	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'D' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550800 Northing: 178300	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -
-	1986m S	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'B' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -



ID	Location	Details	
-	1986m S	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'A' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -
-	1986m S	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'C' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'A' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1996 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'B' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1996 Version End Date: -



ID	Location	Details	
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'C' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1996 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: Process water Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'A' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: Process water Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'B' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'A' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -



ID	Location	Details	
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: Process water Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'C' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'B' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -
-	1986m S	Status: Historical Licence No: 28/39/44/0035 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'C' Data Type: Point Name: LANCASTER HOLDINGS LTD Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 102 Version Start Date: 26/04/2004 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m

4

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 125 >](#)



ID	Location	Details	
A	15m W	Status: Historical Licence No: 28/39/44/0041 Details: Make-Up Or Top Up Water Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT BREACH DYKE Data Type: Line Name: Thames Water Utilities Ltd Easting: 549258 Northing: 180374	Annual Volume (m ³): 60000 Max Daily Volume (m ³): 1500 Original Application No: NPS/WR/014881 Original Start Date: 29/10/1999 Expiry Date: - Issue No: 2 Version Start Date: 31/07/2014 Version End Date: -
A	31m W	Status: Historical Licence No: 28/39/44/0041 Details: General Use Relating To Secondary Category (High Loss) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GREAT BREACH DYKE AT CROSSNESS NATURE RESERVE Data Type: Line Name: THAMES WATER UTILITIES LTD Easting: 549320 Northing: 180590	Annual Volume (m ³): 30000 Max Daily Volume (m ³): 864 Original Application No: - Original Start Date: 29/10/1999 Expiry Date: - Issue No: 1 Version Start Date: 29/10/1999 Version End Date: -
-	832m N	Status: Historical Licence No: 08/37/55/0091 Details: Process Water Direct Source: THAMES SURFACE WATER - NON TIDAL Point: FORD MOTOR COMPANY ESTATE, DAGENHAM - RIVER BEAM Data Type: Point Name: Ford Motor Company Limited Easting: 549900 Northing: 181900	Annual Volume (m ³): 750000 Max Daily Volume (m ³): 2055 Original Application No: NPS/WR/032227 Original Start Date: 22/03/1994 Expiry Date: - Issue No: 102 Version Start Date: 16/08/2019 Version End Date: -
-	1699m N	Status: Historical Licence No: 08/37/55/0100 Details: Dust suppression Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER BEAM AT MANOR WAY, DAGENHAM. Data Type: Point Name: MORGAN EST PLC Easting: 550140 Northing: 182760	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/12/2002 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 11/12/2002 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.



5.8 Potable abstractions

Records within 2000m

4

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 125 >](#)

ID	Location	Details	
-	1955m SE	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'D' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550800 Northing: 178300	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -
-	1986m S	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'B' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -
-	1986m S	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH - BOREHOLE 'A' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -



ID	Location	Details	
-	1986m S	Status: Active Licence No: 28/39/44/0035 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: EUROPA TRADING ESTATE, FRASER ROAD, ERITH, - BOREHOLE 'C' Data Type: Point Name: PRIMEREGAL LIMITED Easting: 550700 Northing: 178200	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 2500 Original Application No: - Original Start Date: 16/12/1996 Expiry Date: - Issue No: 104 Version Start Date: 26/09/2008 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

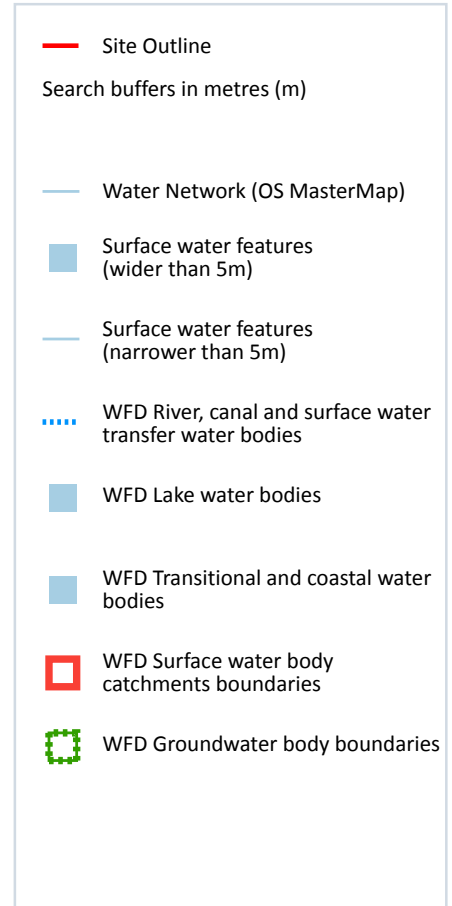
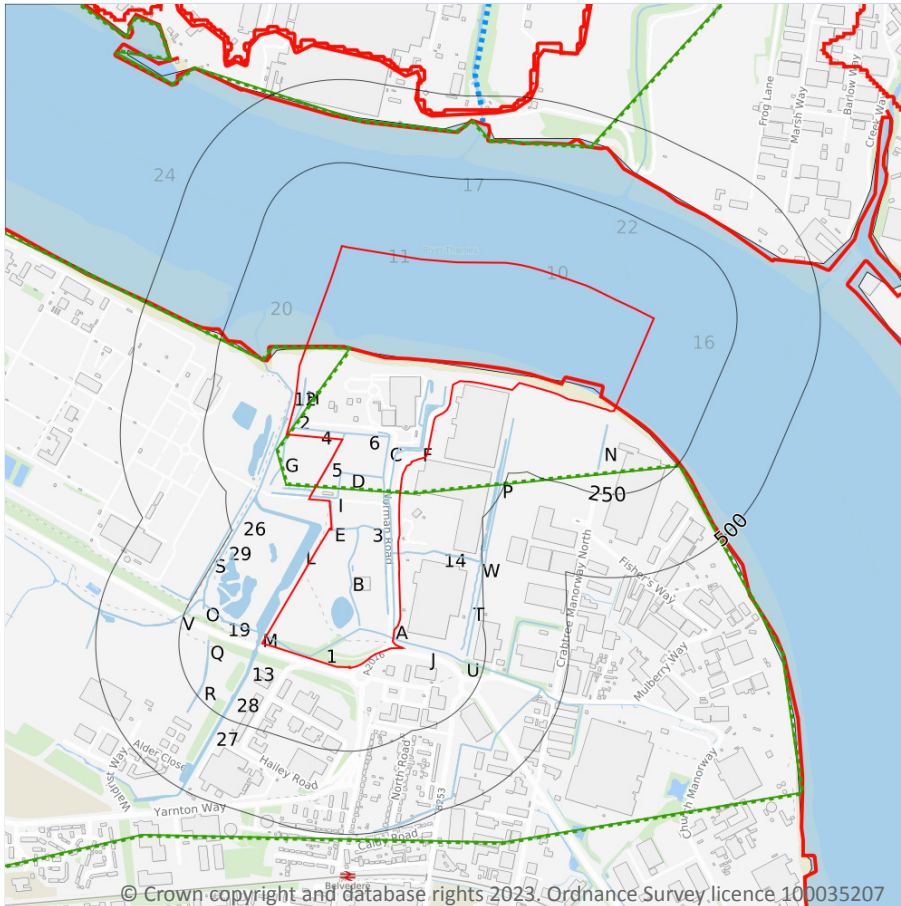
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

92

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 134 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
F	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
10	On site	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Thames
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	5m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	7m NW	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Thames
12	10m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
13	11m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
14	11m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
16	13m E	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Thames
17	15m N	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	Beam River
G	15m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	18m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	19m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	19m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	29m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	39m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	40m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
19	44m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
20	82m W	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
P	84m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
22	100m NE	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
24	110m NW	Tidal river or stream.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Thames
P	147m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
26	159m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	161m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	161m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
Q	162m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	167m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
R	168m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	174m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	175m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	180m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
27	181m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
28	181m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	195m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	201m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	204m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	208m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	217m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	217m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
29	239m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
V	241m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
W	244m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	245m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	246m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

22

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 134 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 134 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
K	On site	Coastal Catchment	Not part of a river WB catchment	128	Land area part of London Management Catchment draining to the Tidal Thames	London

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 134 >](#)



ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
9	On site	Transi	THAMES MIDDLE	GB530603911402 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

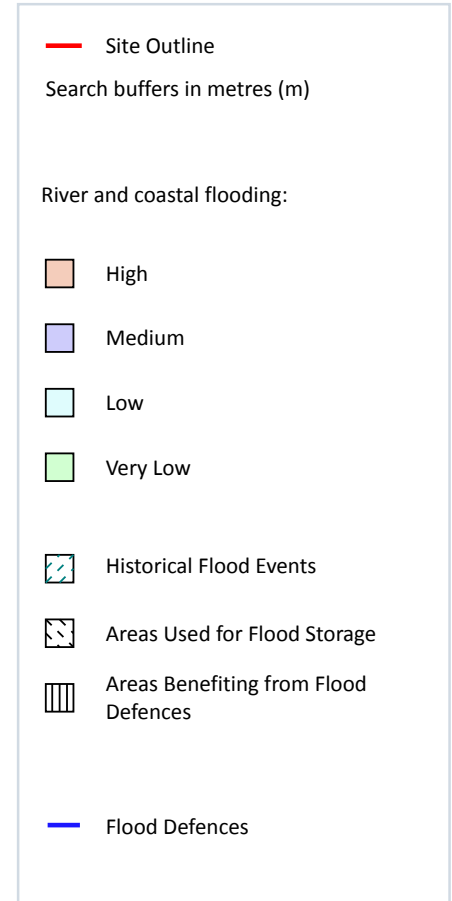
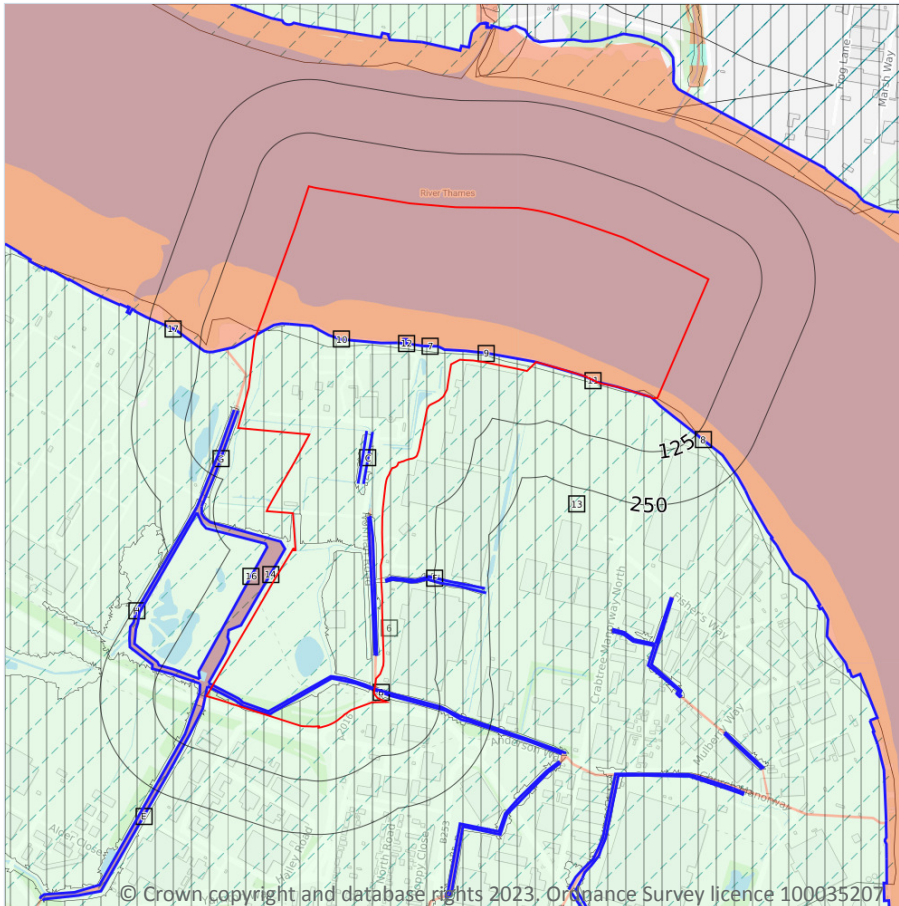
Features are displayed on the Hydrology map on [page 134 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
E	On site	Greenwich Tertiaries and Chalk	GB40602G602500 ↗	Poor	Poor	Poor	2019

This data is sourced from the Environment Agency and Natural Resources Wales.



7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

8

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on [page 144](#) >



Distance	Flood risk category
On site	High
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m

1

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on [page 144 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
6	On site	Ttd_Feo_1953	1953-01-31 1953-02-01	Sea	Operational failure/breach of defence	Tidal

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m

24

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

Features are displayed on the River and coastal flooding map on [page 144 >](#)

ID	Location	Update
7	On site	08/11/2022
8	On site	08/11/2022
9	On site	08/11/2022
10	On site	08/11/2022
11	On site	08/11/2022



ID	Location	Update
12	On site	08/11/2022
A	On site	08/11/2022
A	On site	08/11/2022
B	On site	08/11/2022
B	On site	08/11/2022
C	On site	08/11/2022
C	On site	08/11/2022
D	On site	08/11/2022
E	3m SW	08/11/2022
F	9m S	08/11/2022
F	10m S	08/11/2022
G	11m W	08/11/2022
14	11m SW	08/11/2022
E	18m SW	08/11/2022
G	20m W	08/11/2022
H	28m SW	08/11/2022
H	34m SW	08/11/2022
16	34m SW	08/11/2022
17	104m W	08/11/2022

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m

1

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 144 >](#)

ID	Location	
13	On site	Area benefiting from flood defences



This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m

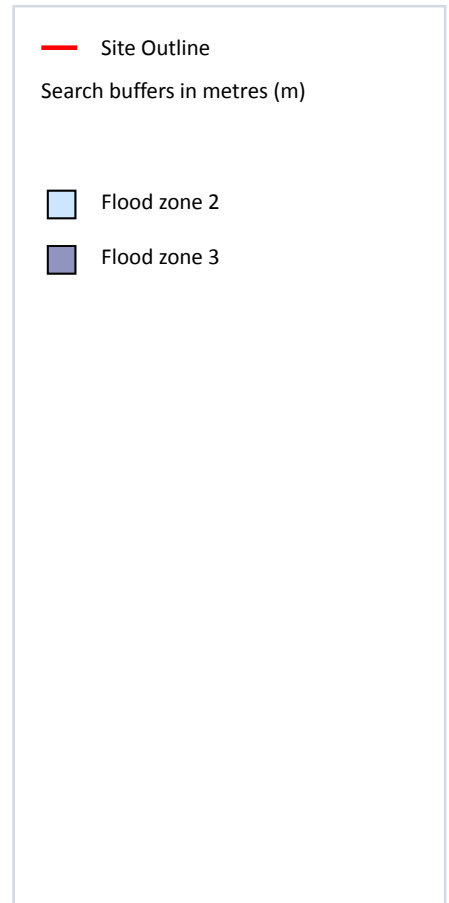
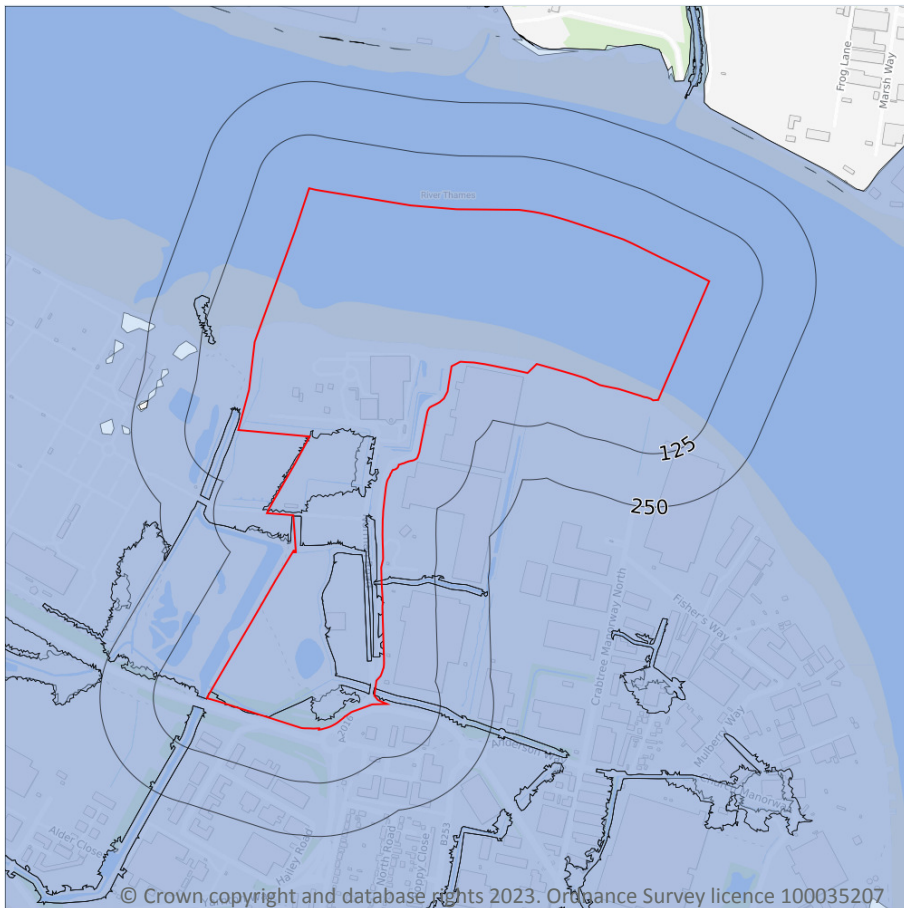
0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on [page 144 >](#)

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

This data is sourced from the Environment Agency and Natural Resources Wales.



7.7 Flood Zone 3

Records within 50m

1

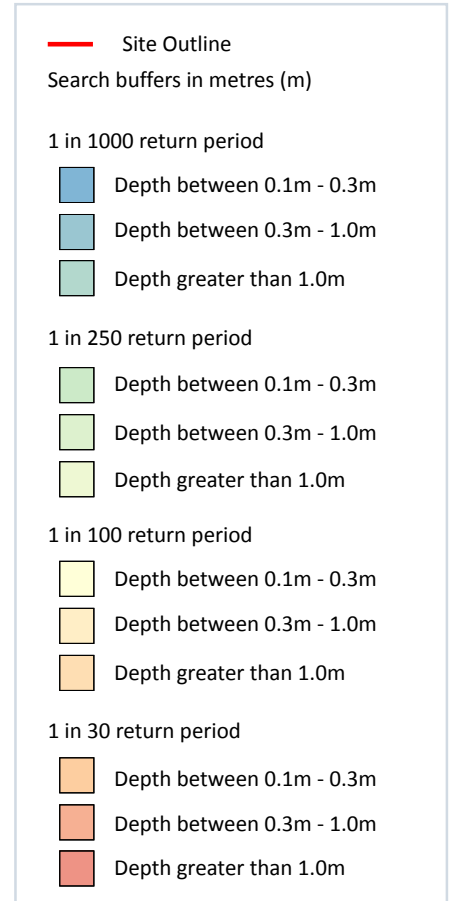
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 144 >](#)

Location	Type
On site	Zone 3 - (Fluvial Models)

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 150 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.



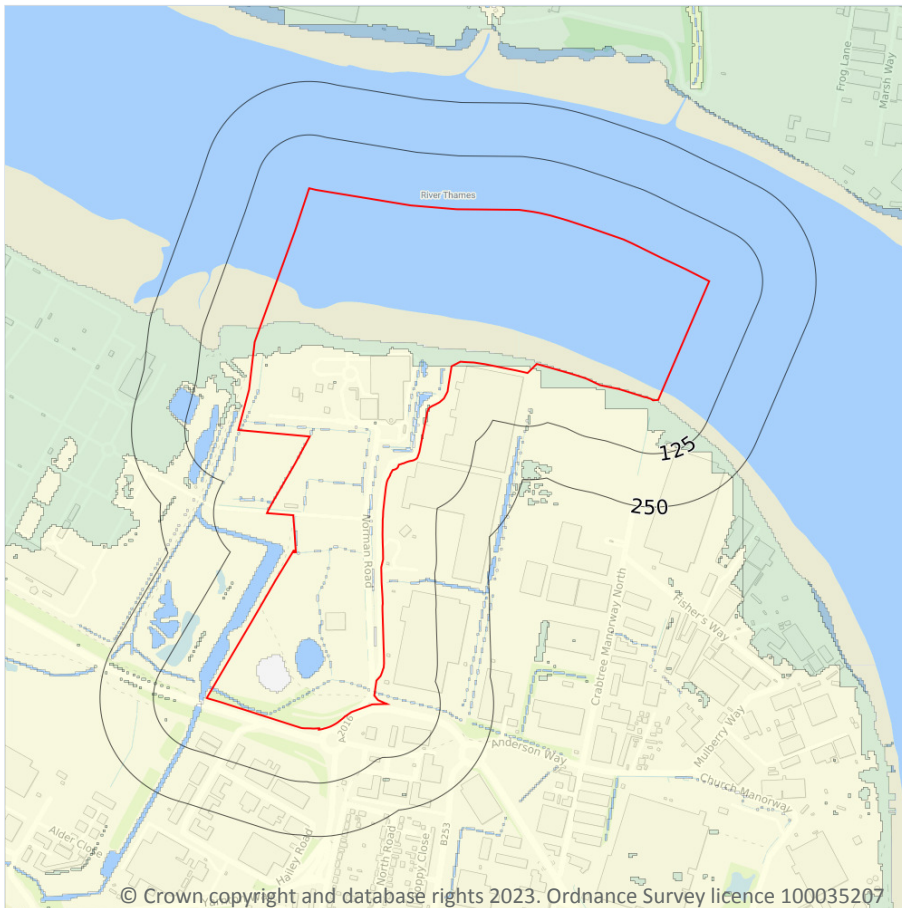
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

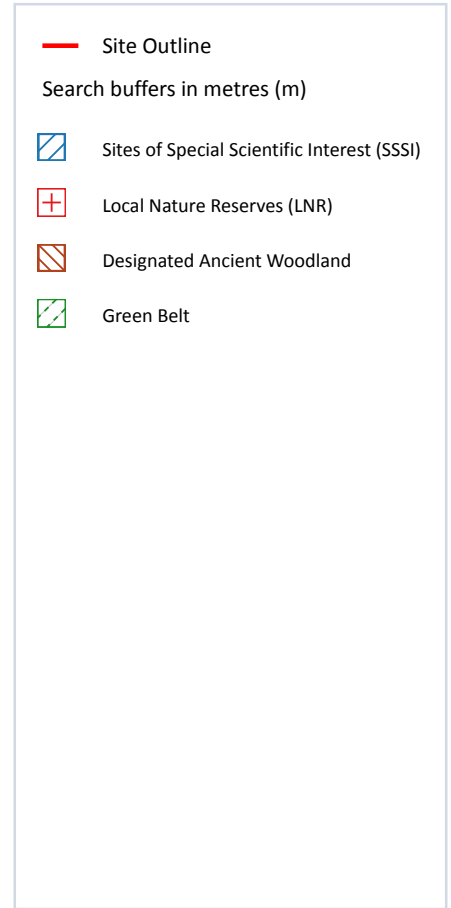
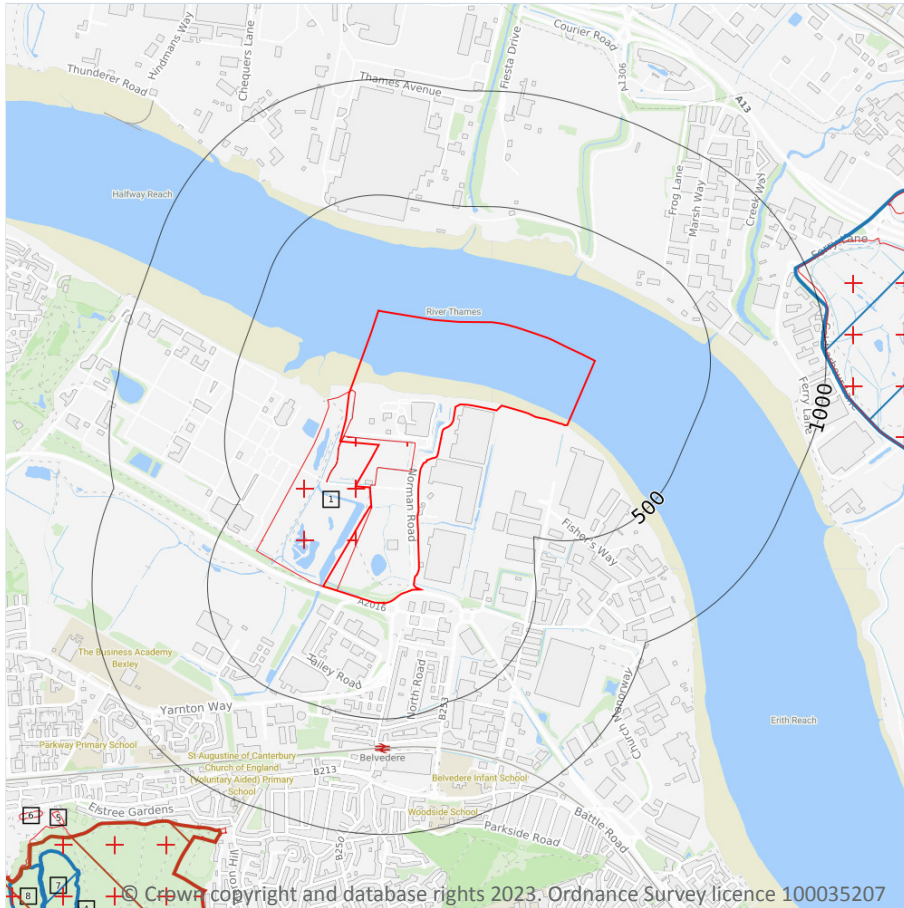
Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 152 >](#)

This data is sourced from Ambiental Risk Analytics.



10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 153](#) >

ID	Location	Name	Data source
2	947m E	Inner Thames Marshes	Natural England



ID	Location	Name	Data source
7	1616m SW	Abbey Wood	Natural England
8	1721m SW	Abbey Wood	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0
-----------------------------	----------

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0
-----------------------------	----------

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0
-----------------------------	----------

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0
-----------------------------	----------

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.



This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m

7

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on [page 153 >](#)

ID	Location	Name	Data source
1	On site	Crossness	Natural England
3	963m NE	Rainham Marshes	Natural England
A	1127m SW	Lesnes Abbey Woods	Natural England
4	1438m NE	Rainham Marshes	Natural England
5	1505m SW	Lesnes Abbey Woods	Natural England
6	1559m SW	Lesnes Abbey Woods	Natural England
-	1831m SW	Lesnes Abbey Woods	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

1

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on [page 153 >](#)

ID	Location	Name	Woodland Type
A	1147m SW	Lesnes Abbey Woods	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

2

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
793m E	Southall Sewer and Runningwater Brook NVZ	Surface Water	802	Existing

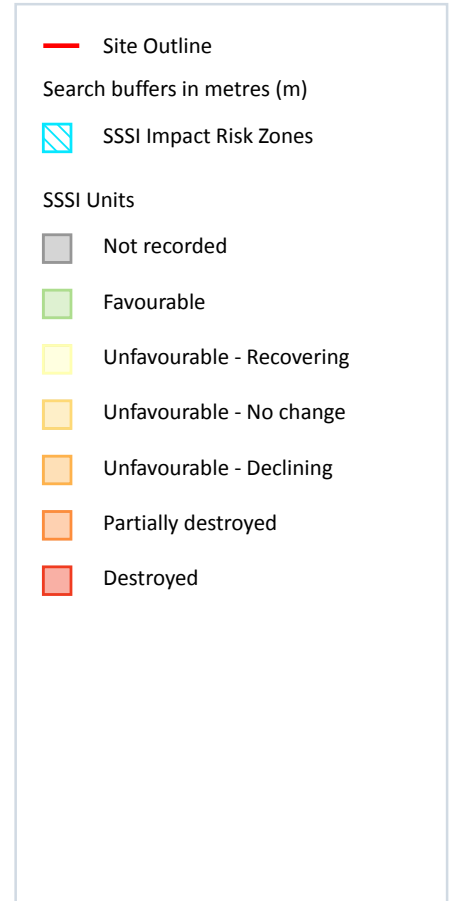
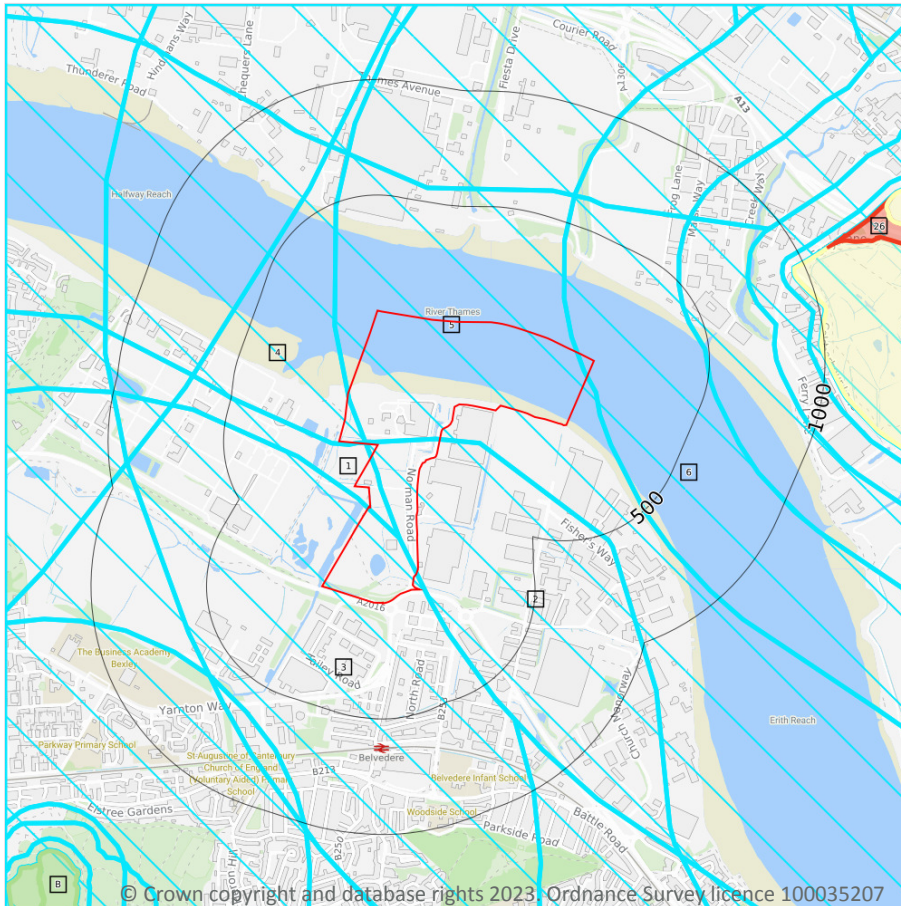


Location	Name	Type	NVZ ID	Status
947m E	Ingrebourne NVZ	Surface Water	440	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

6

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 159](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p>
2	On site	<p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha.</p> <p>Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p>
3	On site	<p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p>

ID	Location	Type of developments requiring consultation
4	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p>
5	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management</p> <p>Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.</p>



ID	Location	Type of developments requiring consultation
6	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 500 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 2m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

6

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 159 >](#)

ID: 22
 Location: 947m E
 SSSI name: Inner Thames Marshes
 Unit name: Rainham Marsh South Of A13
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:



Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland damp grasslands	Unfavourable - Recovering	19/08/2022

ID: 26
 Location: 1159m NE
 SSSI name: Inner Thames Marshes
 Unit name: Rainham Central Grassland
 Broad habitat: Neutral Grassland - Lowland
 Condition: Destroyed
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Lowland damp grasslands	Destroyed	19/08/2022
Invert. assemblage W211 open water on disturbed sediments	Destroyed	19/08/2022
Invert. assemblage W314 reed-fen & pools	Destroyed	19/08/2022
Vascular plant assemblage	Destroyed	19/08/2022

ID: 28
 Location: 1421m NE
 SSSI name: Inner Thames Marshes
 Unit name: Rainham Rifle Ranges
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	24/03/2022
Assemblages of breeding birds - Lowland damp grasslands	Favourable	01/10/2010
Invert. assemblage W211 open water on disturbed sediments	Unfavourable - Recovering	01/10/2010
Invert. assemblage W314 reed-fen & pools	Unfavourable - Recovering	01/10/2010
Vascular plant assemblage	Unfavourable - Recovering	01/10/2010



ID: -
 Location: 1486m E
 SSSI name: Inner Thames Marshes
 Unit name: Pla Silt Lagoons
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Teal, Anas crecca	Favourable	24/03/2022
Assemblages of breeding birds - Lowland damp grasslands	Unfavourable - Declining	27/10/2010

ID: B
 Location: 1616m SW
 SSSI name: Abbey Wood
 Unit name: Whole Site
 Broad habitat: Earth Heritage
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
FB - Aves	Favourable	05/09/2011
FB - Mesozoic - Tertiary Fish/Amphibia	Favourable	05/09/2011
FB - Tertiary Mammalia	Favourable	05/09/2011

ID: B
 Location: 1721m SW
 SSSI name: Abbey Wood
 Unit name: Whole Site
 Broad habitat: Earth Heritage
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
FB - Aves	Favourable	05/09/2011
FB - Mesozoic - Tertiary Fish/Amphibia	Favourable	05/09/2011
FB - Tertiary Mammalia	Favourable	05/09/2011

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

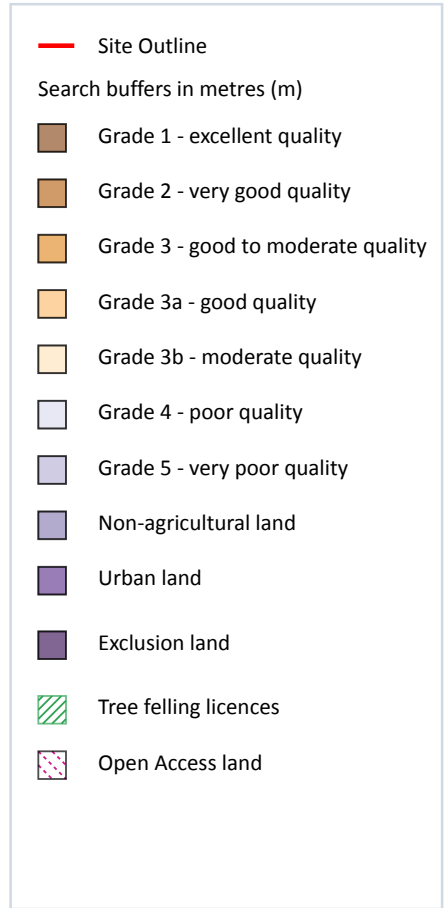
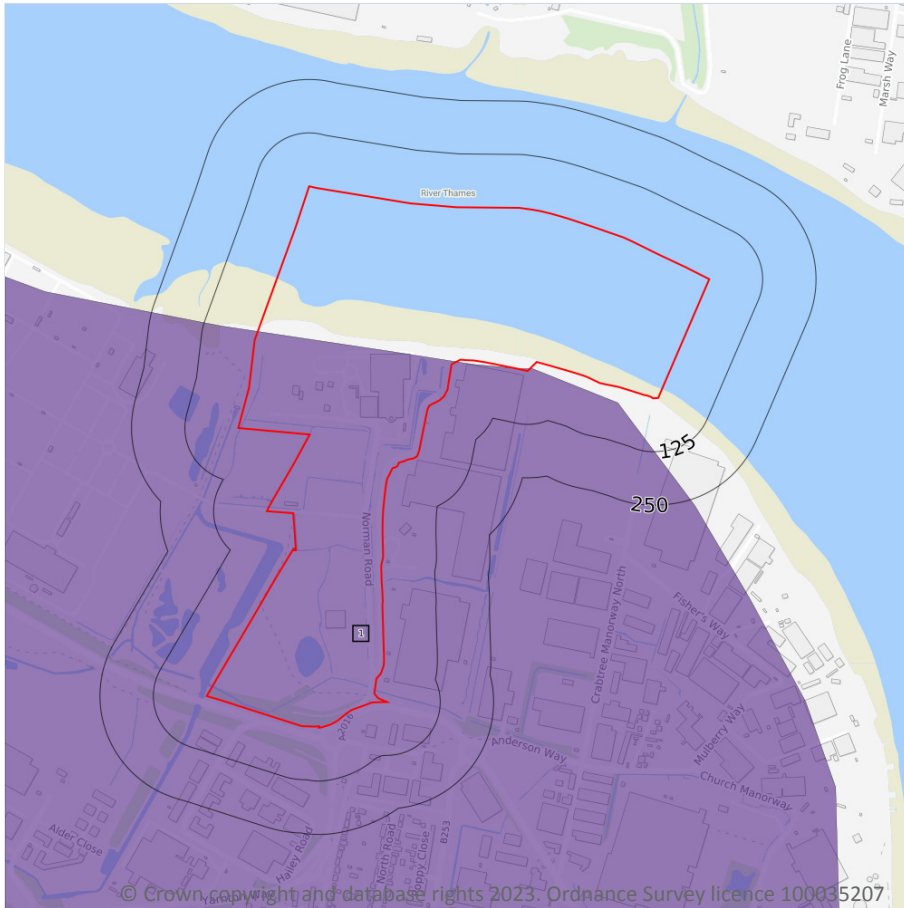
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 167](#) >

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

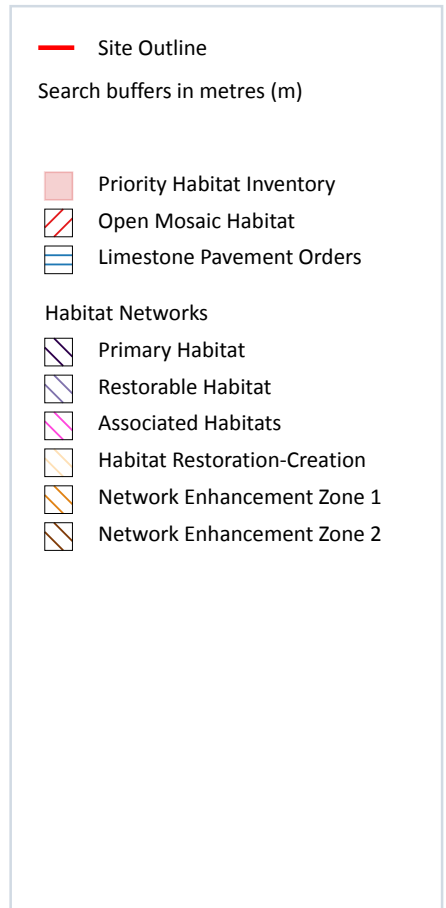
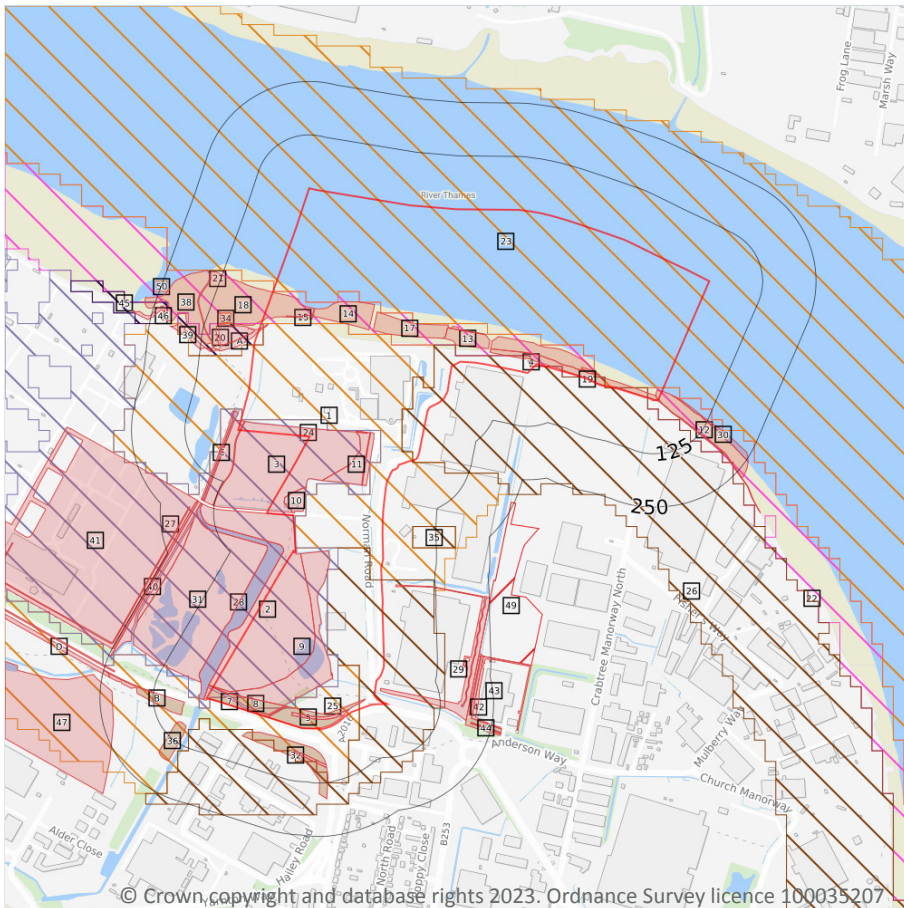
0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

46

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on [page 169 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
2	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
3	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
4	On site	Coastal saltmarsh	Main habitat: SALT (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
10	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
11	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
12	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
13	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
14	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
15	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
16	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
17	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
18	On site	Mudflats	Main habitat: MUDFL (INV > 50%)
19	On site	No main habitat but additional habitats present	Additional: MUDFL (INV 50%)
A	On site	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)
28	6m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
A	10m NW	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)
C	10m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
29	12m S	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
C	19m W	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
30	26m E	Mudflats	Main habitat: MUDFL (INV > 50%)
31	31m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
32	36m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	53m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
33	54m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
36	81m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
37	83m W	Coastal saltmarsh	Main habitat: SALTM (INV > 50%)



ID	Location	Main Habitat	Other habitats
38	99m W	Mudflats	Main habitat: MUDFL (INV > 50%)
39	113m W	Coastal saltmarsh	Main habitat: SALT (INV > 50%)
D	135m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)
40	156m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)
E	164m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)
41	165m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)
E	172m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)
42	189m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
43	201m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
44	202m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
46	221m W	Coastal saltmarsh	Main habitat: SALT (INV > 50%)
47	221m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)
48	223m W	Coastal saltmarsh	Main habitat: SALT (INV > 50%)
D	225m SW	Coastal and floodplain grazing marsh	Main habitat: CFP (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

13

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on [page 169 >](#)

ID	Location	Type	Habitat
20	On site	Primary Habitat	Saltmarsh
21	On site	Associated Habitats	Other associated habitats
22	On site	Associated Habitats	Other associated habitats
23	On site	Network Enhancement Zone 1	Not specified
24	On site	Network Enhancement Zone 1	Not specified
25	On site	Network Enhancement Zone 2	Not specified



ID	Location	Type	Habitat
26	On site	Network Enhancement Zone 2	Not specified
27	On site	Restorable Habitat	Not specified
B	On site	Network Enhancement Zone 1	Not specified
34	66m W	Network Enhancement Zone 1	Not specified
35	70m S	Network Enhancement Zone 2	Not specified
45	210m W	Primary Habitat	Saltmarsh
50	233m NW	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

1

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on [page 169](#) >

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
49	223m S	Land at Erith Marshes	High	BugLife All Of A Buzz Data	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

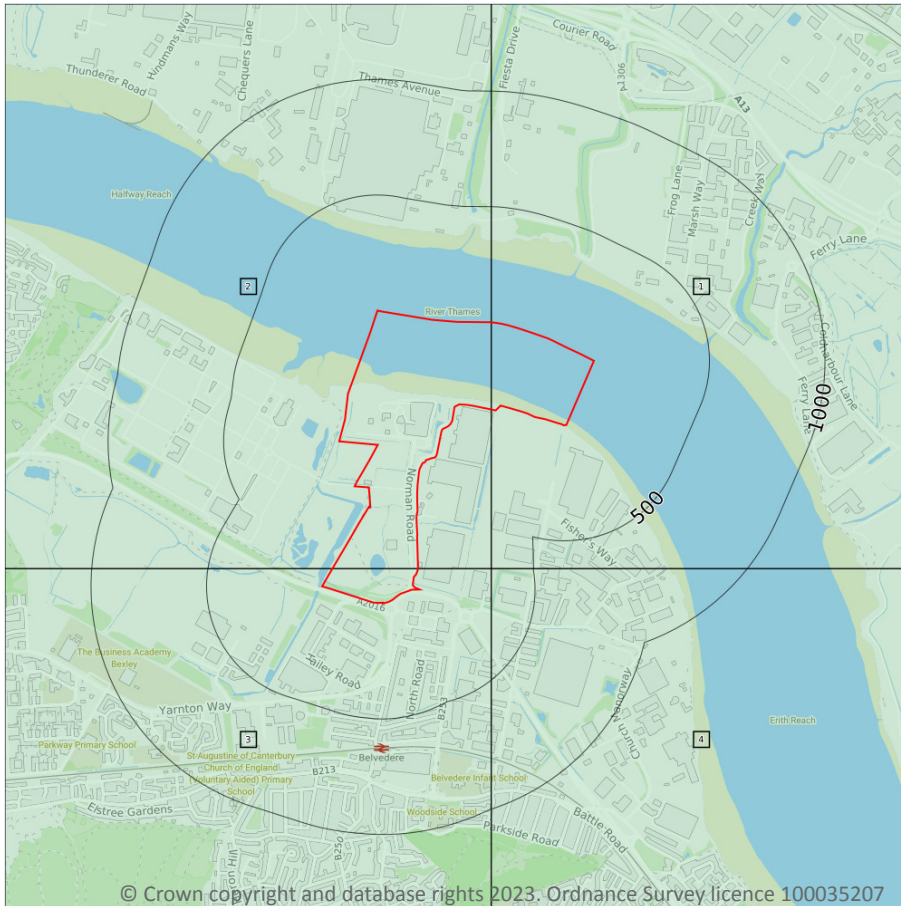
Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.



This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

4

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

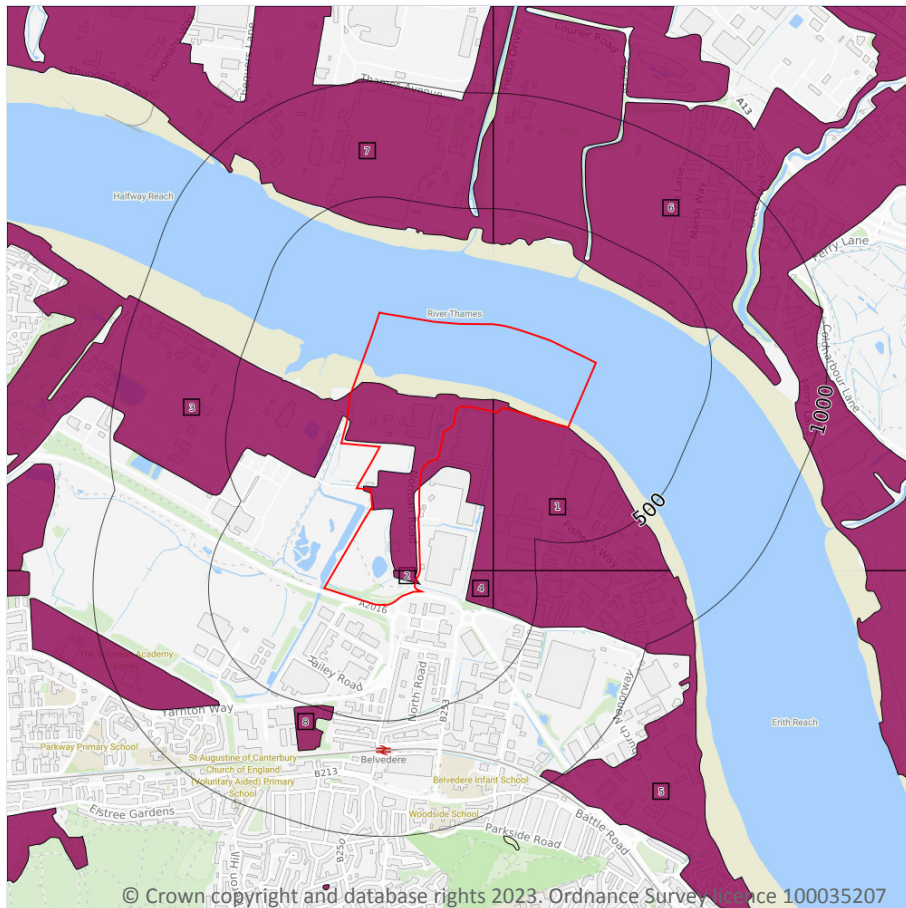
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 174](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TQ58SW
2	On site	Full	Full	Full	No coverage	TQ48SE
3	On site	Full	Full	Full	No coverage	TQ47NE
4	311m S	Full	Full	Full	No coverage	TQ57NW



This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

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14.2 Artificial and made ground (10k)

Records within 500m

8

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 176 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
2	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	195m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

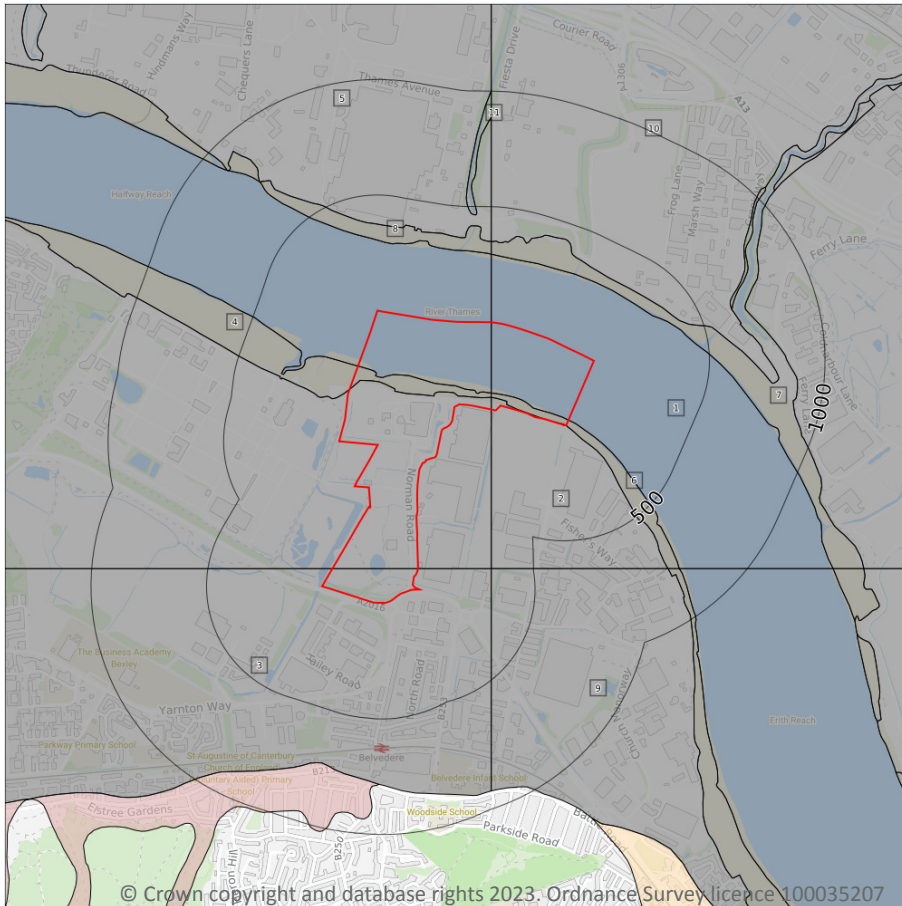


ID	Location	LEX Code	Description	Rock description
5	311m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	346m N	MGR-UKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
7	349m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	477m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

11

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 178 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
2	On site	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
3	On site	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
4	On site	TRD-Z	Tidal River Or Creek Deposits - Silt	Silt



ID	Location	LEX Code	Description	Rock description
5	On site	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
6	On site	TRD-Z	Tidal River Or Creek Deposits - Silt	Silt
7	285m NE	TRD-Z	Tidal River Or Creek Deposits - Silt	Silt
8	294m N	TRD-Z	Tidal River Or Creek Deposits - Silt	Silt
9	311m S	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
10	346m N	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
11	464m N	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

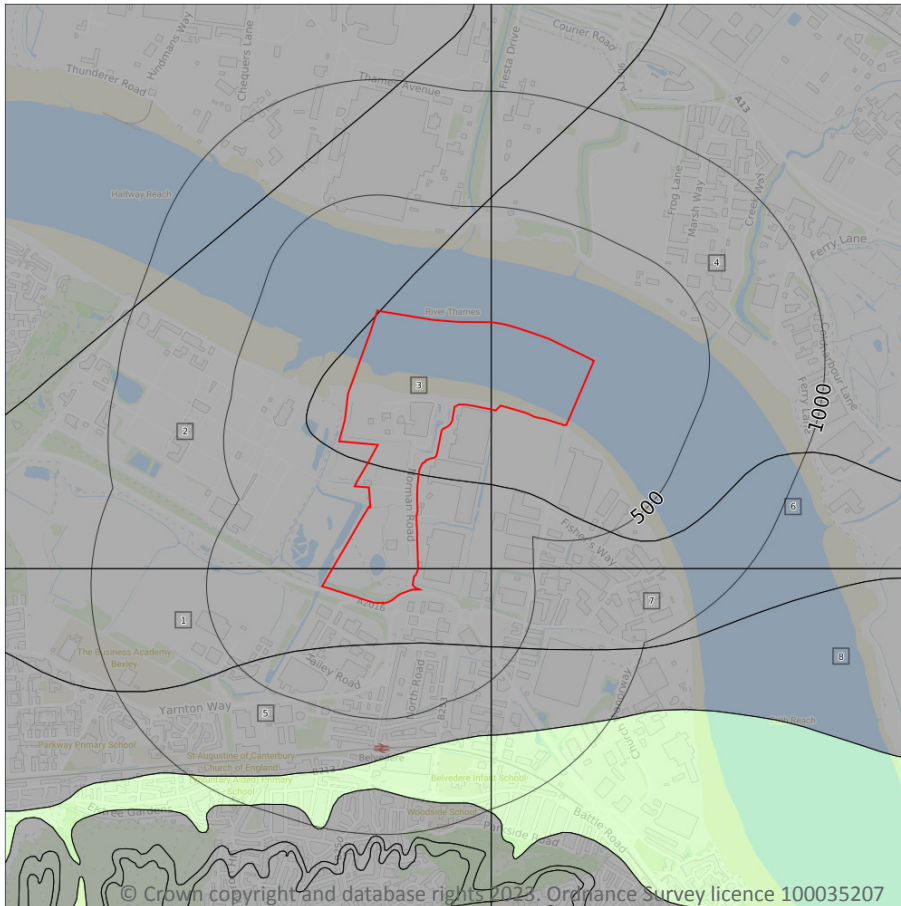
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

8

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 180 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LMBE-SANCL	Lambeth Group - Sand And Clay	Paleocene Epoch
2	On site	LMBE-SANCL	Lambeth Group - Sand And Clay	Paleocene Epoch
3	On site	LC-CLAY	London Clay Formation - Clay	Eocene Epoch



ID	Location	LEX Code	Description	Rock age
4	On site	LC-CLAY	London Clay Formation - Clay	Eocene Epoch
5	176m S	TAB-SANDU	Thanet Sand Formation - Sand	Thanetian Age
6	269m SE	LMBE-SACL	Lambeth Group - Sandy Clay	Paleocene Epoch
7	311m S	LMBE-SANCL	Lambeth Group - Sand And Clay	Paleocene Epoch
8	398m S	TAB-SANDU	Thanet Sand Formation - Sand	Thanetian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

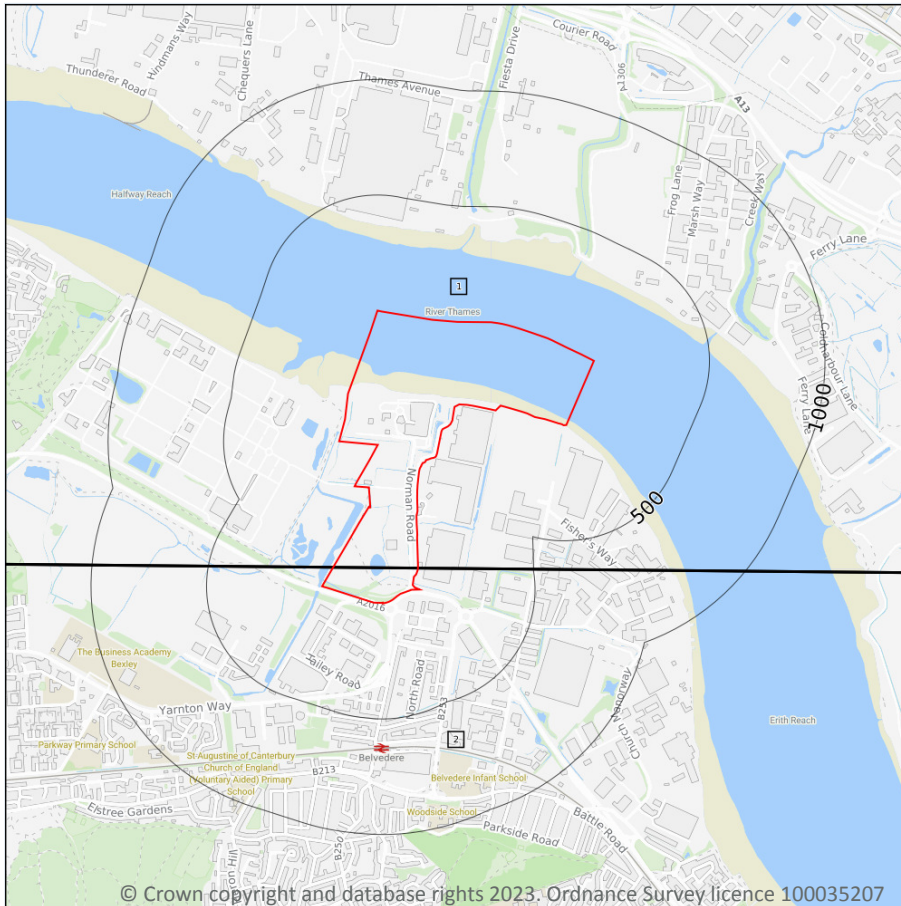
Records within 500m

0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

15.1 50k Availability

Records within 500m

2

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

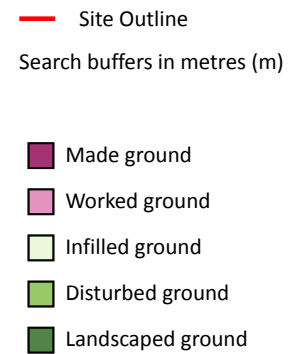
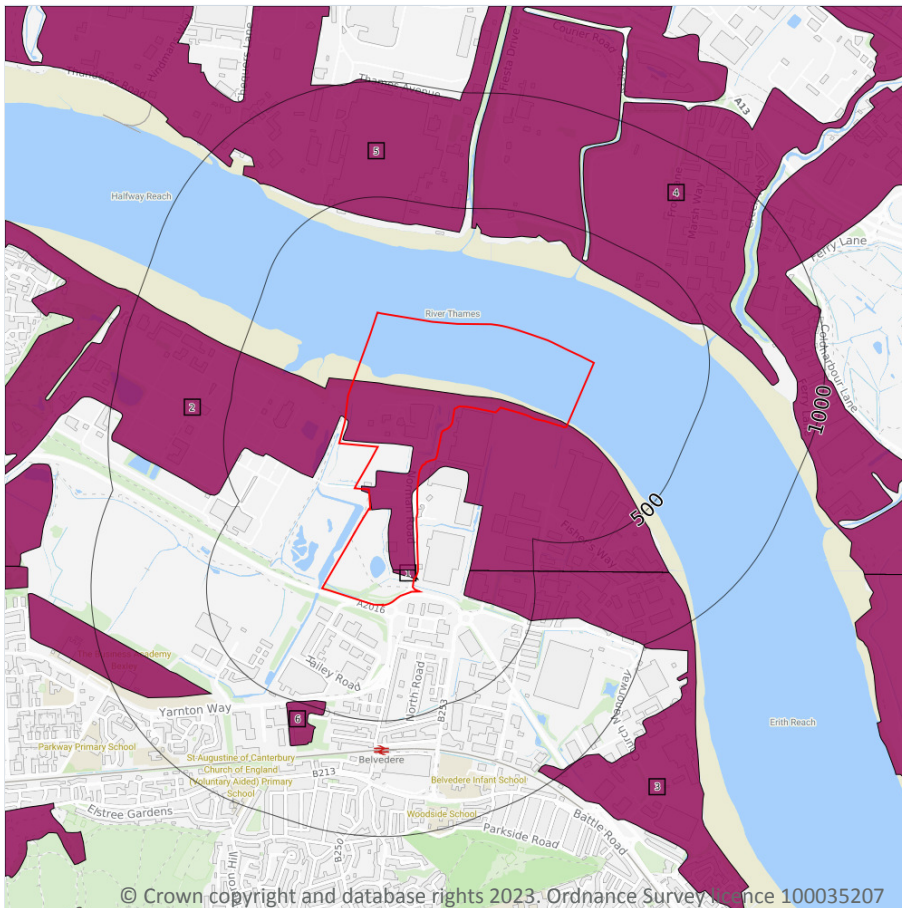
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 182](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW257_romford_v4
2	On site	Full	Full	Full	Full	EW271_dartford_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground



15.2 Artificial and made ground (50k)

Records within 500m

6

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 183 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	193m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	351m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
5	396m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	465m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

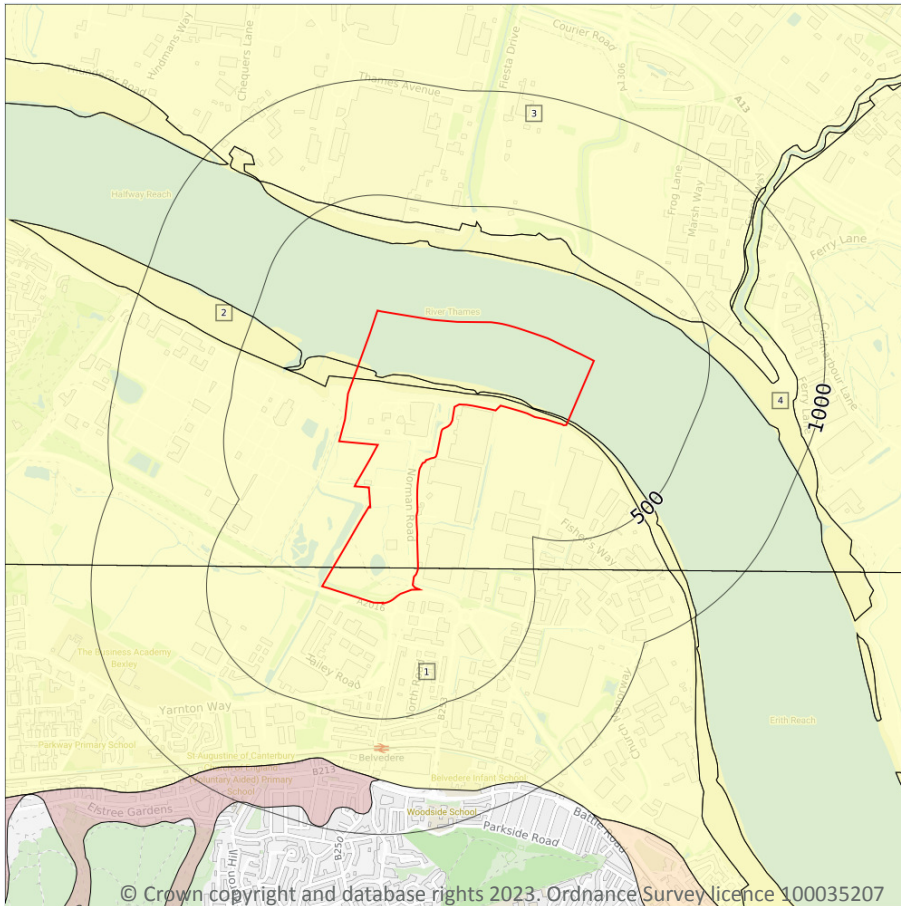
Records within 50m	3
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low
On site	Mixed	Very High	Low
On site	Mixed	Very High	Low

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

4

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 185 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSP	ALLUVIUM	CLAY, SILT, SAND AND PEAT
2	On site	TRD-XCZ	TIDAL RIVER OR CREEK DEPOSITS	CLAY AND SILT
3	On site	ALV-XCZSP	ALLUVIUM	CLAY, SILT, SAND AND PEAT
4	285m NE	TRD-XCZ	TIDAL RIVER OR CREEK DEPOSITS	CLAY AND SILT



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

6

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Low	Very Low
On site	Intergranular	Low	Very Low
On site	Intergranular	Moderate	Very Low
On site	Intergranular	Moderate	Very Low
On site	Intergranular	Moderate	Very Low
On site	Intergranular	Moderate	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

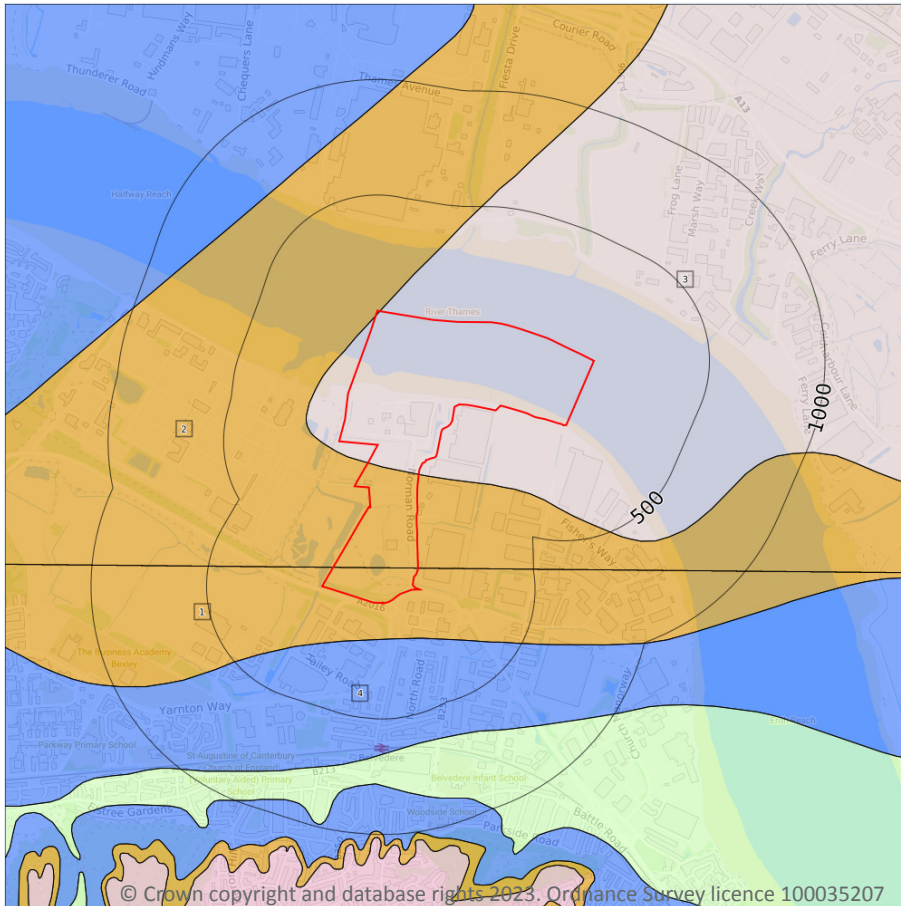
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

4

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 187 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LMBE-XSZC	LAMBETH GROUP - SAND, SILT AND CLAY	THANETIAN
2	On site	LMBE-XCZS	LAMBETH GROUP - CLAY, SILT AND SAND	THANETIAN
3	On site	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN
4	155m S	TAB-S	THANET FORMATION - SAND	THANETIAN



This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

5

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Moderate	Very Low
On site	Intergranular	High	Low
On site	Intergranular	High	Low
On site	Mixed	Moderate	Very Low
On site	Mixed	Moderate	Very Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

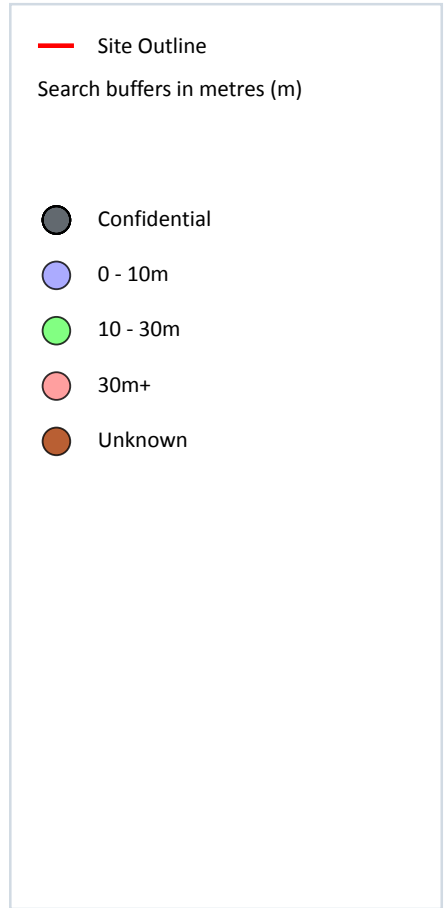
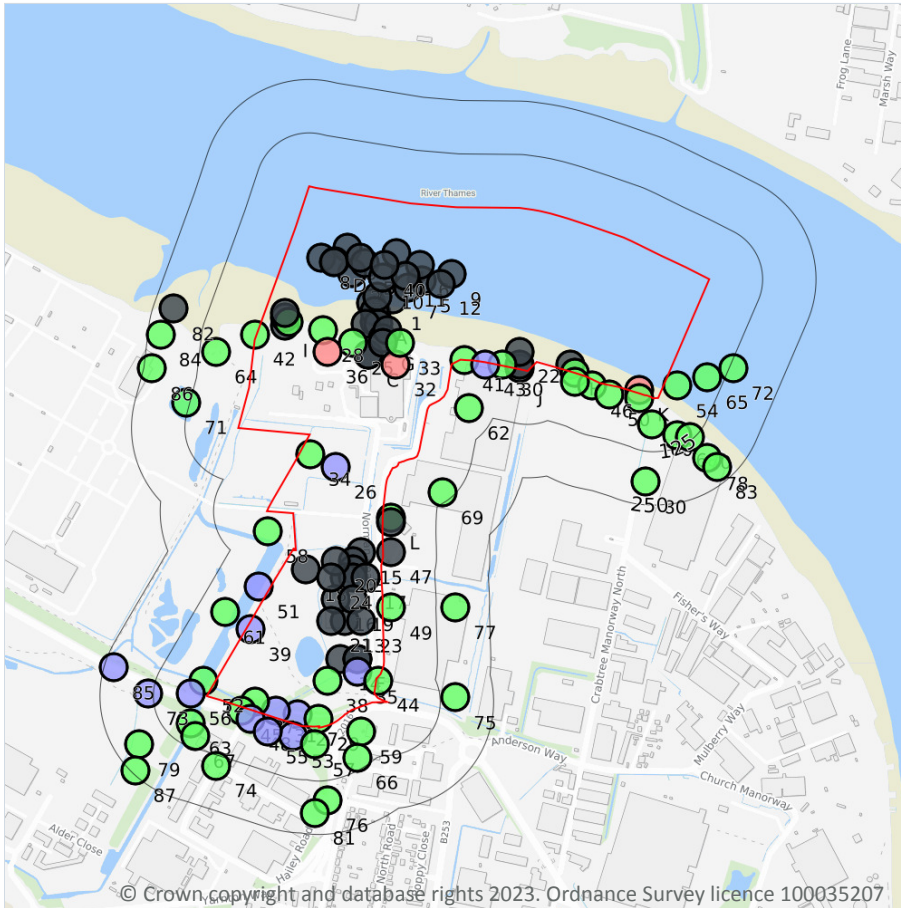
0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

122

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 189 >](#)

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	549703 180853	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT205	-	Y	N/A
2	On site	549608 180914	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT206	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	On site	549597 180972	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT207	-	Y	N/A
4	On site	549712 180960	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT209	-	Y	N/A
5	On site	549771 180896	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT211	-	Y	N/A
6	On site	549767 180933	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT212	-	Y	N/A
7	On site	549740 180880	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT213	-	Y	N/A
8	On site	549536 180950	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT214	-	Y	N/A
9	On site	549842 180912	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT215	-	Y	N/A
10	On site	549680 180904	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH105	-	Y	N/A
11	On site	549733 180908	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH108	-	Y	N/A
12	On site	549815 180889	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH109	-	Y	N/A
13	On site	549590 180100	BELVEDERE GENERATING STATION KENT 107	-	Y	N/A
14	On site	549580 180010	BELVEDERE GENERATING STATION KENT 109	-	Y	N/A
15	On site	549630 180260	BELVEDERE GENERATING STATION KENT 111	-	Y	N/A
16	On site	549570 180150	BELVEDERE GENERATING STATION KENT 105	-	Y	N/A
17	On site	549640 180200	BELVEDERE GENERATING STATION KENT 104	-	Y	N/A
18	On site	549500 180220	BELVEDERE GENERATING STATION KENT 101	-	Y	N/A
19	On site	549610 180150	BELVEDERE GENERATING STATION KENT 106	-	Y	N/A
20	On site	549570 180240	2190 BELVEDERE-132KV.SUB STATION 115	-	Y	N/A
21	On site	549560 180100	2190 BELVEDERE-132KV.SUB STATION 119	-	Y	N/A
22	On site	550000 180730	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K6C	-	Y	N/A
23	On site	549630 180100	BELVEDERE GENERATING STATION KENT 108	-	Y	N/A
24	On site	549560 180200	2190 BELVEDERE-132KV.SUB STATION 117	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
25	On site	549610 180750	THAMES FLOOD PREVENTION BH6	12.19	N	890884 ↗
26	On site	549570 180460	THAMESMEAD ESTATE BH127	9.45	N	890570 ↗
27	On site	549480 179880	THAMESMEAD SPINE ROAD BH40	10.0	N	881637 ↗
28	On site	549540 180780	THAMESMEAD RIVER DEFENCES BH25	15.0	N	890701 ↗
29	On site	549530 179870	THAMESMEAD SPINE ROAD BH42	20.0	N	881639 ↗
30	On site	549960 180700	THAMES FLOOD PREVENTION BH8	12.04	N	890886 ↗
31	On site	549430 179890	THAMESMEAD SPINE ROAD BH38	10.0	N	881635 ↗
32	On site	549710 180700	BORAX LTD BELVEDERE	91.44	N	891051 ↗
33	On site	549720 180750	THAMESMEAD RIVER DEFENCES BH26	14.6	N	890702 ↗
34	On site	549510 180490	THAMESMEAD EAST BH104 ERITH	15.24	N	890567 ↗
35	On site	549620 179980	BELVEDERE GENERATING STATION BH121	1.82	N	881609 ↗
36	On site	549550 180730	BORAX CONSOLIDATED LTD	34.44	N	890863 ↗
37	On site	549380 179910	THAMESMEAD SPINE ROAD BH36	10.2	N	881633 ↗
38	On site	549550 179960	THAMES FLOODS PREVENTION 19	10.06	N	881660 ↗
39	On site	549370 180080	THAMESMEAD ESTATE BH129	8.08	N	890572 ↗
40	On site	549685 180932	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT210	-	Y	N/A
A	On site	549666 180820	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT203	-	Y	N/A
A	On site	549652 180843	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT204	-	Y	N/A
A	On site	549661 180799	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH102	-	Y	N/A
A	On site	549661 180825	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH103	-	Y	N/A
A	On site	549667 180858	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH104	-	Y	N/A
A	On site	549669 180795	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT201	-	Y	N/A
A	On site	549640 180795	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT202	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
B	On site	549638 180936	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION CPT208	-	Y	N/A
B	On site	549627 180950	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH107	-	Y	N/A
C	On site	549646 180722	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH101	-	Y	N/A
C	On site	549647 180722	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH101A	-	Y	N/A
D	On site	549567 180942	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH106	-	Y	N/A
D	On site	549565 180939	RIVERSIDE RESOURCE RECOVERY FACILITY GROUND INVESTIGATION BH106A	-	Y	N/A
E	On site	549610 180240	2190 BELVEDERE-132KV.SUB STATION 116	-	Y	N/A
E	On site	549610 180220	BELVEDERE GENERATING STATION KENT 102	-	Y	N/A
E	On site	549590 180200	BELVEDERE GENERATING STATION KENT 103	-	Y	N/A
E	On site	549610 180200	2190 BELVEDERE-132KV.SUB STATION 118	-	Y	N/A
F	On site	549620 180010	2190 BELVEDERE-132KV.SUB STATION 220	-	Y	N/A
F	On site	549620 180010	BELVEDERE GENERATING STATION KENT 110	-	Y	N/A
G	On site	549680 180760	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K5B	-	Y	N/A
G	On site	549690 180780	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K5C	-	Y	N/A
G	On site	549680 180750	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K5A	-	Y	N/A
H	On site	550120 180700	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K7A	-	Y	N/A
H	On site	550130 180680	THAMESMEAD RIVER DEFENCES BH27	20.7	N	823823 ↗
I	On site	549450 180790	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K4A	-	Y	N/A
I	On site	549450 180810	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K4B	-	Y	N/A
I	On site	549460 180800	THAMESMEAD RIVER DEFENCES BH24	15.0	N	890700 ↗
I	On site	549450 180820	THAMES FLOOD PREVENTION SOUTH BANK- BEXLEY K4C	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
J	On site	550000 180690	THAMES FLOOD PREVENTION SOUTH BANK-BEXLEY K6A	-	Y	N/A
J	On site	550000 180700	THAMES FLOOD PREVENTION SOUTH BANK-BEXLEY K6B	-	Y	N/A
K	On site	550280 180640	BELVEDERE GENERATING STATION BH1350	31.09	N	823866 ↗
41	0m NE	549870 180710	THAMES FLOOD PREVENTION BH7	15.24	N	890885 ↗
42	4m W	549380 180770	THAMES FLOOD PREVENTION BH5	11.58	N	890883 ↗
43	5m NE	549920 180700	THAMES FLOOD PREVENTION BH7A	9.91	N	890887 ↗
44	5m S	549670 179960	BELVEDERE POWER STATION 6	14.5	N	18425736 ↗
45	8m SW	549350 179890	THAMESMEAD SPINE ROAD BH35	10.1	N	881632 ↗
K	12m E	550280 180620	THAMESMEAD RIVER DEFENCES BH33	17.0	N	823827 ↗
46	13m E	550170 180650	THAMESMEAD RIVER DEFENCES BH30	17.0	N	823825 ↗
H	19m E	550130 180660	THAMESMEAD RIVER DEFENCES BH29	16.5	N	823824 ↗
47	20m S	549700 180260	BELVEDERE GENERATING STATION KENT 112	-	Y	N/A
L	20m S	549700 180340	BELVEDERE POWER STATION 1	19.5	N	18425722 ↗
L	20m S	549700 180330	BELVEDERE GENERATING STATION KENT 113	-	Y	N/A
48	21m SW	549370 179870	THAMESMEAD SPINE ROAD BH37	10.0	N	881634 ↗
49	21m S	549700 180130	BELVEDERE POWER STATION 5	14.5	N	18425734 ↗
50	21m E	550210 180630	THAMESMEAD RIVER DEFENCES BH31	17.0	N	823826 ↗
51	24m SW	549390 180180	THAMESMEAD BH128	9.14	N	890571 ↗
52	25m SW	549260 179960	THAMES MEAD EAST ERITH BH107	15.39	N	881511 ↗
53	28m S	549470 179830	THAMESMEAD SPINE ROAD BH41	10.0	N	881638 ↗
54	30m E	550370 180650	BELVEDERE GENERATING STATION BH1353	27.13	N	823867 ↗
55	37m SW	549410 179840	THAMESMEAD SPINE ROAD BH39	10.0	N	881636 ↗
56	38m SW	549230 179930	THAMESMEAD SPINE ROAD BH34	10.0	N	881631 ↗
57	41m S	549520 179810	THAMESMEAD SPINE ROAD BH43	20.0	N	881640 ↗
58	46m SW	549410 180310	THAMESMEAD ESTATE BH105 ERITH	15.39	N	890568 ↗
59	55m S	549630 179840	THAMESMEAD SPINE ROAD BH44	20.0	N	881641 ↗



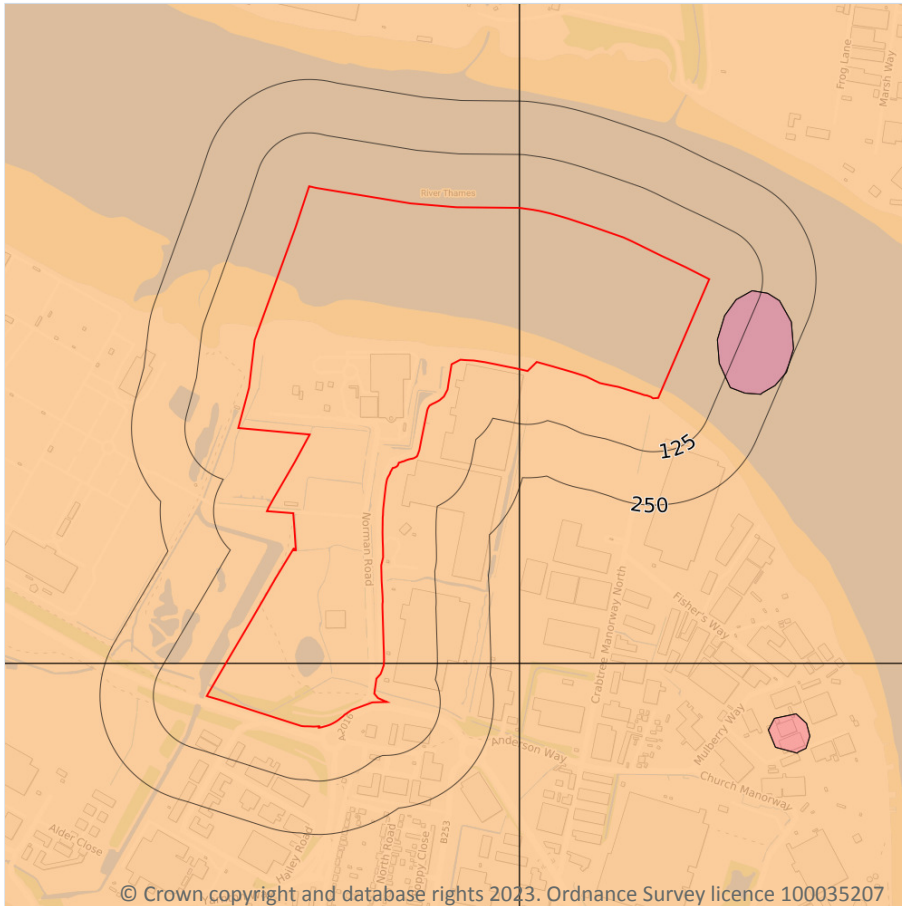
ID	Location	Grid reference	Name	Length	Confidential	Web link
60	61m E	550310 180560	THAMES FLOOD PREVENTION BH9	10.52	N	823870 ↗
61	63m SW	549310 180120	THAMESMEAD BH106	15.24	N	890569 ↗
62	65m E	549882 180598	CHANNEL TUNNEL RAIL LINK R440065	25.0	N	15619695 ↗
63	74m SW	549230 179860	THAMES MEAD EAST ERITH BH108	15.24	N	881512 ↗
64	86m W	549290 180730	THAMESMEAD RIVER DEFENCES BH23	15.0	N	890699 ↗
65	87m E	550440 180670	BELVEDERE GENERATING STATION BH1356	11.28	N	823868 ↗
66	97m S	549620 179780	THAMESMEAD SPINE ROAD BH45	20.0	N	881642 ↗
67	98m SW	549240 179830	THAMES MEAD EAST ERITH BH126	15.24	N	881529 ↗
68	98m E	550370 180535	CRABTREE MANOR WAY ERITH 1	27.0	N	823924 ↗
69	104m S	549820 180400	BELVEDERE POWER STATION 2	14.5	N	18425728 ↗
70	118m E	550400 180530	THAMESMEAD RIVER DEFENCES BH34	19.8	N	823828 ↗
71	133m W	549220 180610	CROSSNESS SEWAGE WORKS BH408	12.5	N	890895 ↗
72	134m E	550500 180690	BELVEDERE GENERATING STATION BH1357	21.34	N	823869 ↗
73	138m SW	549130 179930	THAMESMEAD SPINE ROAD BH33	10.0	N	881630 ↗
74	150m SW	549290 179760	THAMES MEAD EAST ERITH BH125	15.24	N	881528 ↗
75	161m S	549850 179920	BELVEDERE POWER STATION 7	19.5	N	18425739 ↗
76	171m S	549550 179680	THAMES MEAD EAST ERITH BH120	15.24	N	881523 ↗
77	171m S	549850 180130	BELVEDERE POWER STATION 4	19.5	N	18425732 ↗
78	183m E	550440 180480	THAMES FLOOD PREVENTION BH10-10A-10B	10.67	N	823871 ↗
79	195m SW	549110 179810	CROSSNESS SEWER WORKS BH415	11.0	N	882242 ↗
80	196m E	550295 180425	CRABTREE MANOR WAY ERITH 4	12.0	N	823927 ↗
81	200m S	549520 179650	THAMES MEAD EAST ERITH BH119	15.24	N	881522 ↗
82	204m W	549190 180830	THAMES FLOOD PREVENTION SOUTH BANK-BEXLEY K3B	-	Y	N/A
83	212m E	550462 180460	CRABTREE MANOR WAY ERITH 2	16.0	N	823925 ↗
84	220m W	549160 180770	CROSSNESS SEWAGE WORKS BH405	18.0	N	890892 ↗
85	228m SW	549050 179990	THAMESMEAD SPINE ROAD BH32	10.0	N	881629 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
86	231m W	549140 180690	CROSSNESS SEWAGE WORKS BH406	18.0	N	890893 ↗
87	242m SW	549100 179750	THAMES MEAD EAST ERITH BH109	15.24	N	881513 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

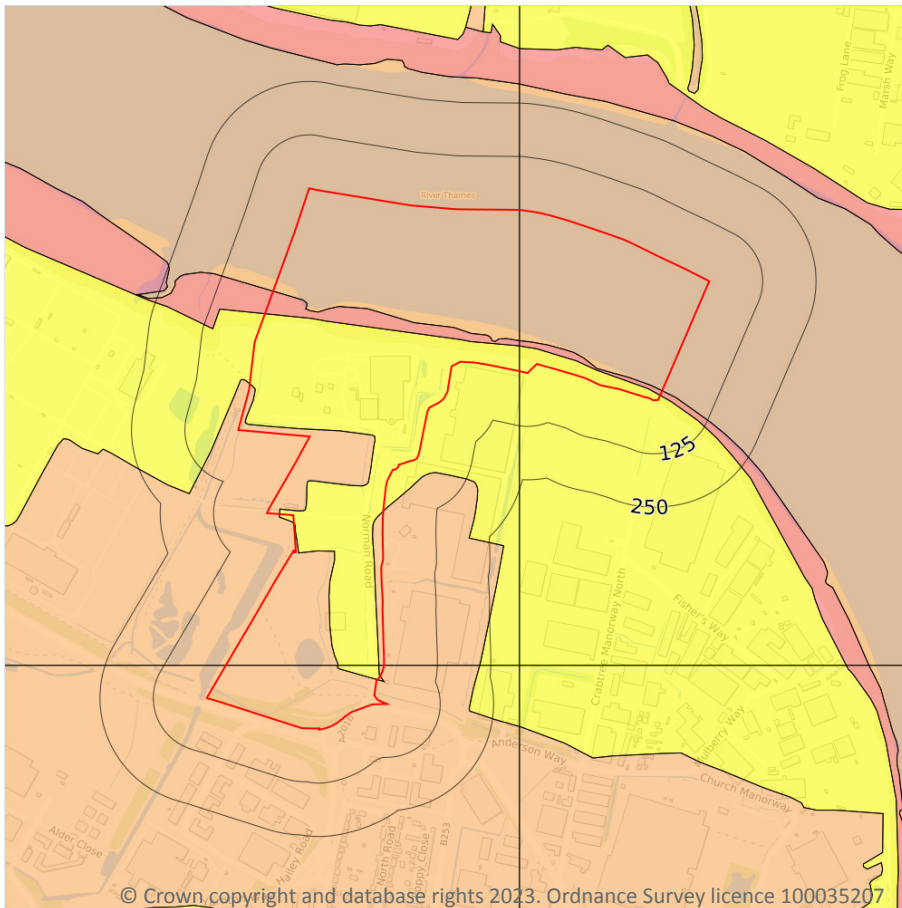
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 196](#) >

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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17.2 Running sands

Records within 50m

3

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 197 >](#)

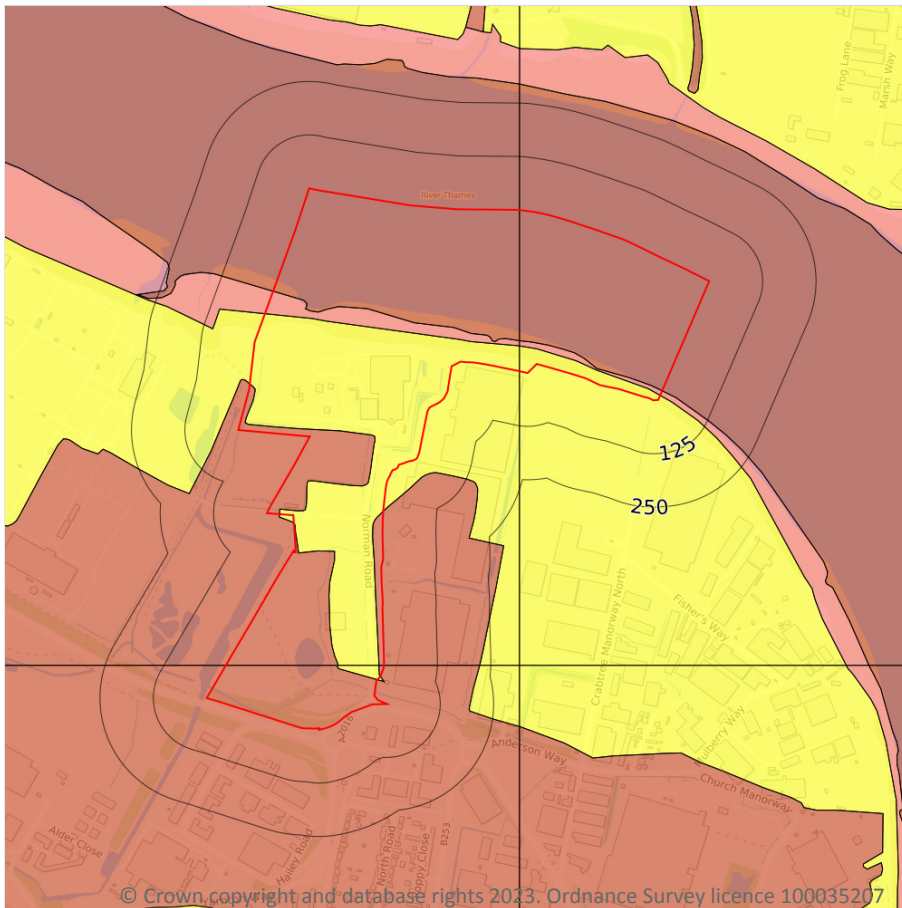
Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.



Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
On site	Moderate	Running sand conditions are probably present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

3

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 199](#) >

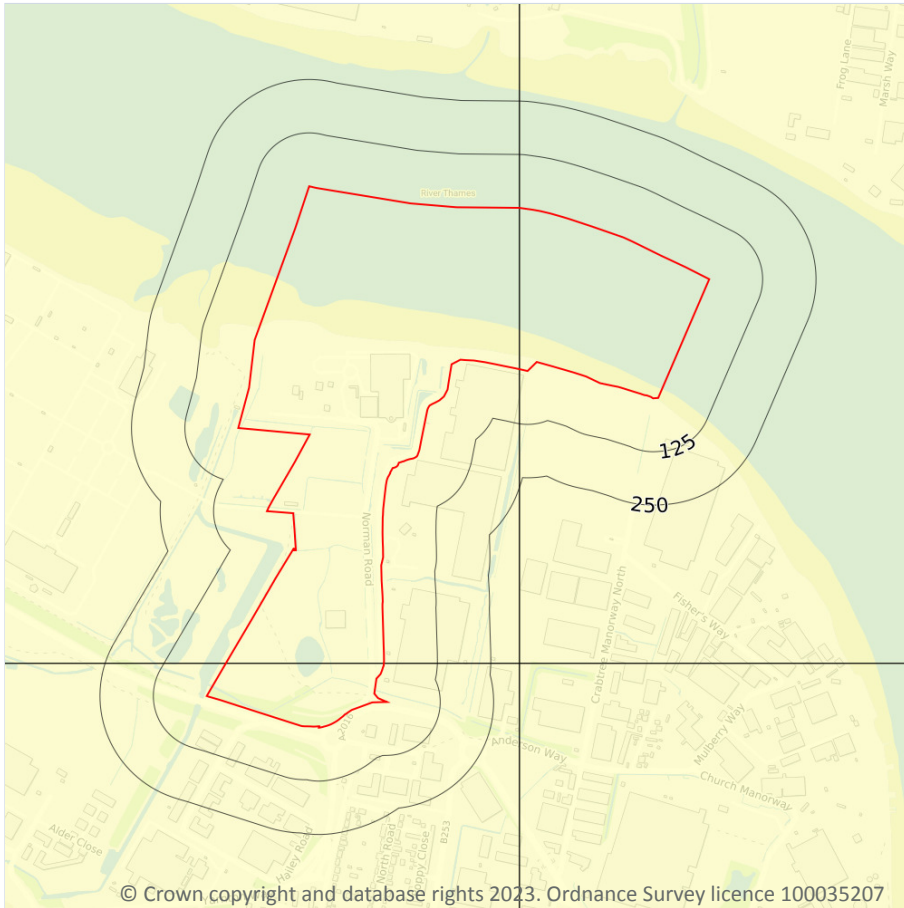
Location	Hazard rating	Details
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
On site	High	Highly compressible strata present. Significant constraint on land use depending on thickness.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

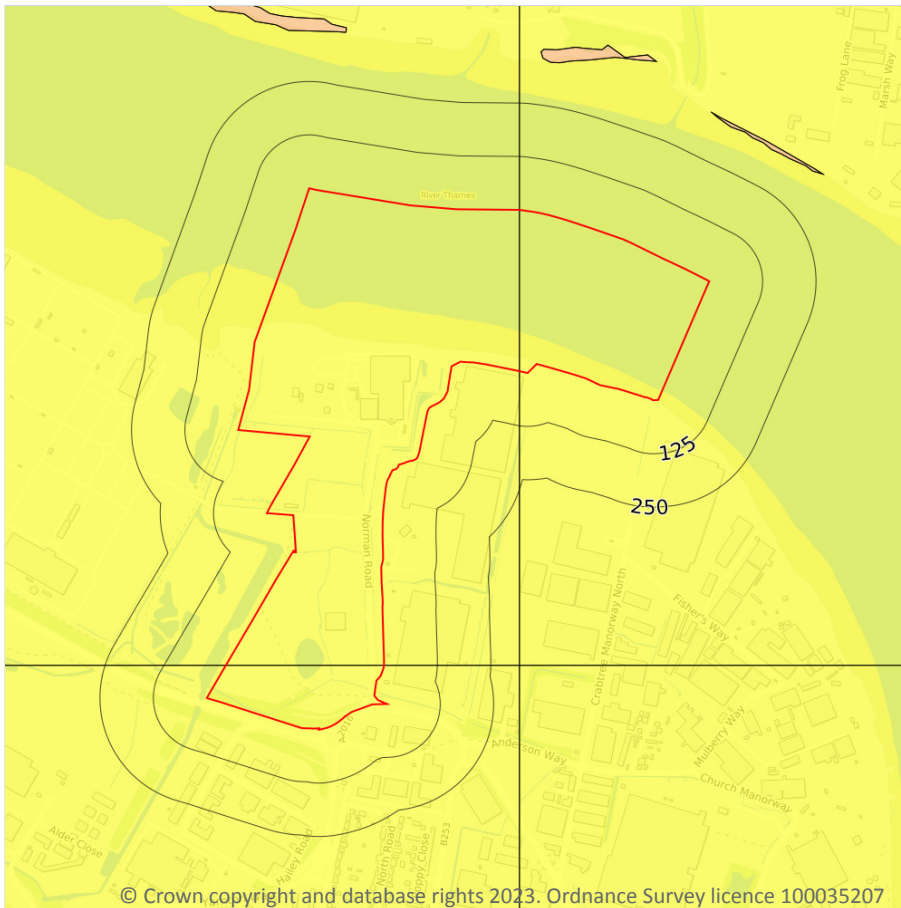
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 201 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

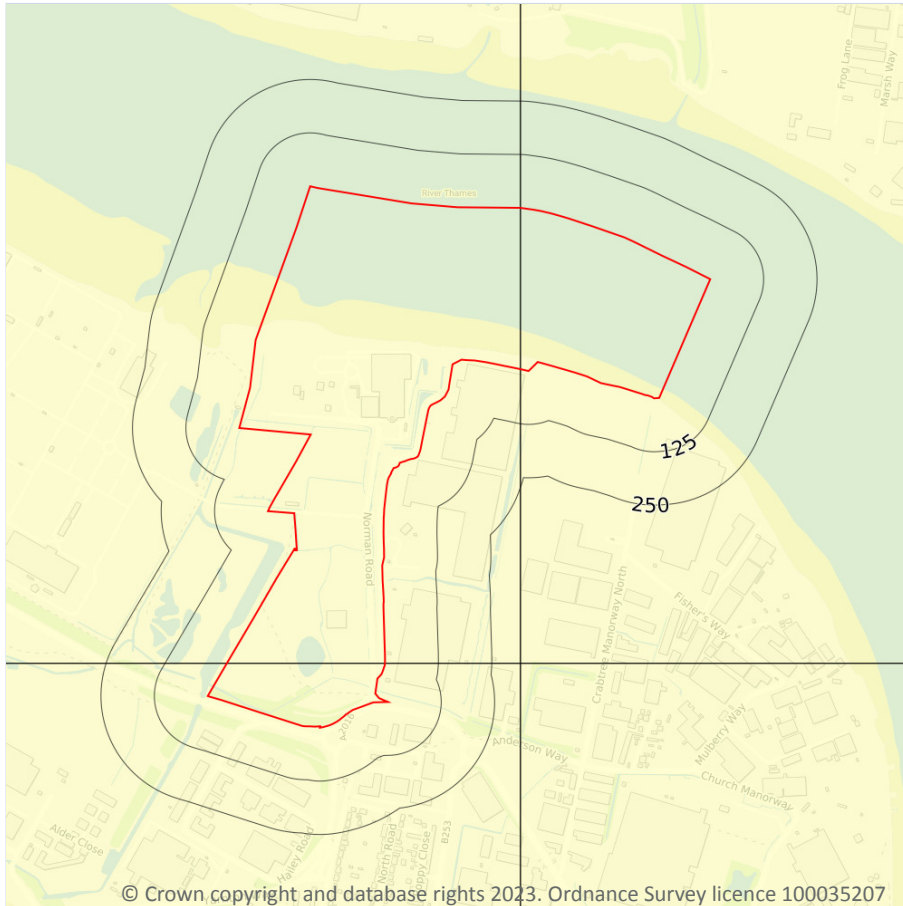
Features are displayed on the Natural ground subsidence - Landslides map on [page 202 >](#)

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 203 >](#)

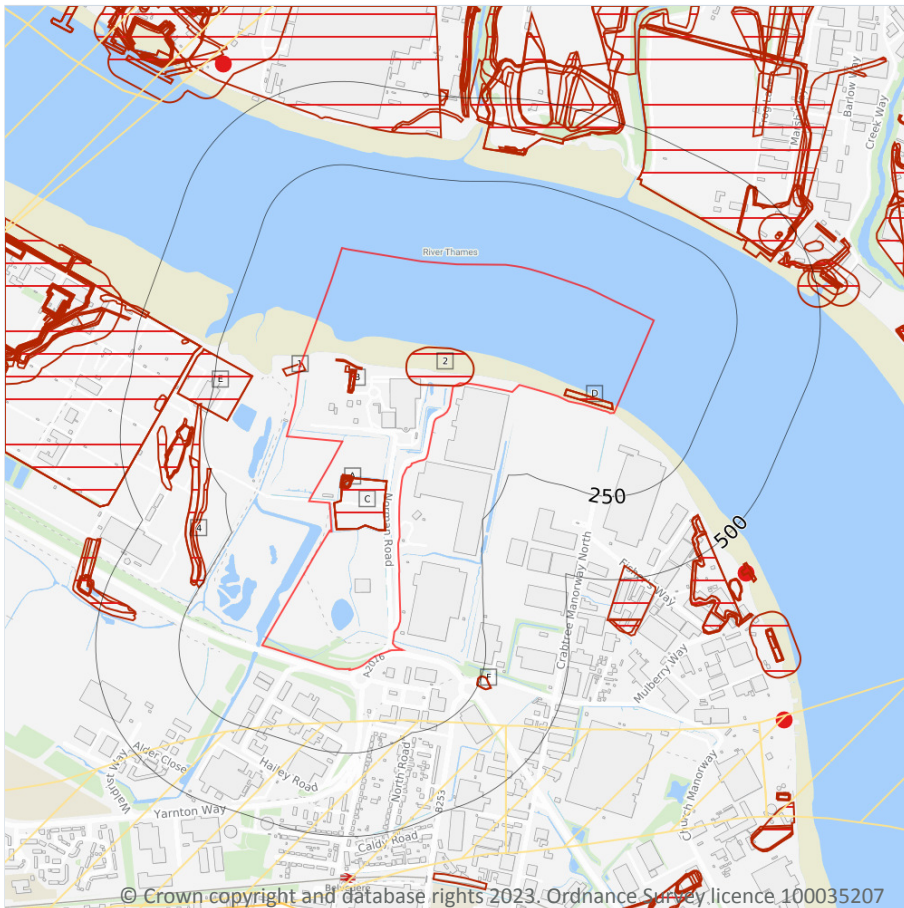
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.



18.2 Surface ground workings

Records within 250m

33

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 205 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Unspecified Heap	1907	1:10560
2	On site	Unspecified Wharf	1969	1:10560
A	On site	Refuse Heap	1907	1:10560
A	On site	Unspecified Pit	1921	1:10560
A	On site	Unspecified Heap	1938	1:10560
A	On site	Refuse Heap	1938	1:10560
A	On site	Refuse Heap	1938	1:10560
A	On site	Refuse Heap	1949	1:10560
A	On site	Refuse Heap	1907	1:10560
A	On site	Refuse Heap	1915	1:10560
A	On site	Refuse Heap	1921	1:10560
B	On site	Pond	1921	1:10560
B	On site	Pond	1938	1:10560
B	On site	Pond	1895	1:10560
B	On site	Pond	1895	1:10560
B	On site	Pond	1895	1:10560
B	On site	Ponds	1938	1:10560
B	On site	Pond	1907	1:10560
B	On site	Pond	1907	1:10560
B	On site	Pond	1915	1:10560
B	On site	Pond	1898	1:10560
C	On site	Refuse Heap	1983	1:10000
C	On site	Refuse Heap	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
C	On site	Refuse Heap	1969	1:10560
C	On site	Refuse Heap	1995	1:10000
D	On site	Unspecified Wharf	1992	1:10000
D	On site	Unspecified Wharf	1973	1:10000
D	On site	Unspecified Wharf	1967	1:10560
E	138m W	Sludge Lagoons	1983	1:10000
E	138m W	Sludge Lagoons	1995	1:10000
F	243m S	Refuse Heap	1966	1:10560
F	243m S	Refuse Heap	1974	1:10000
4	247m SW	Unspecified Ground Workings	1974	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

12

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 205 >](#)

ID	Location	Name	Commodity	Class	Likelihood
3	155m S	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
11	385m S	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
22	689m NW	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
23	702m NW	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
24	709m S	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
25	723m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	781m S	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	821m S	Gladeswood Road	Chalk	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.



ID	Location	Name	Commodity	Class	Likelihood
-	871m S	Gladeswood Road	Chalk	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	906m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	986m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	994m S	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.



18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

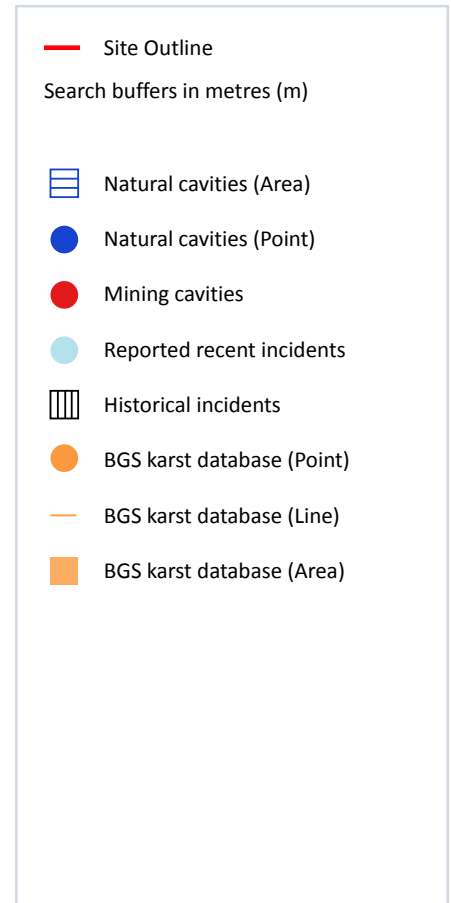
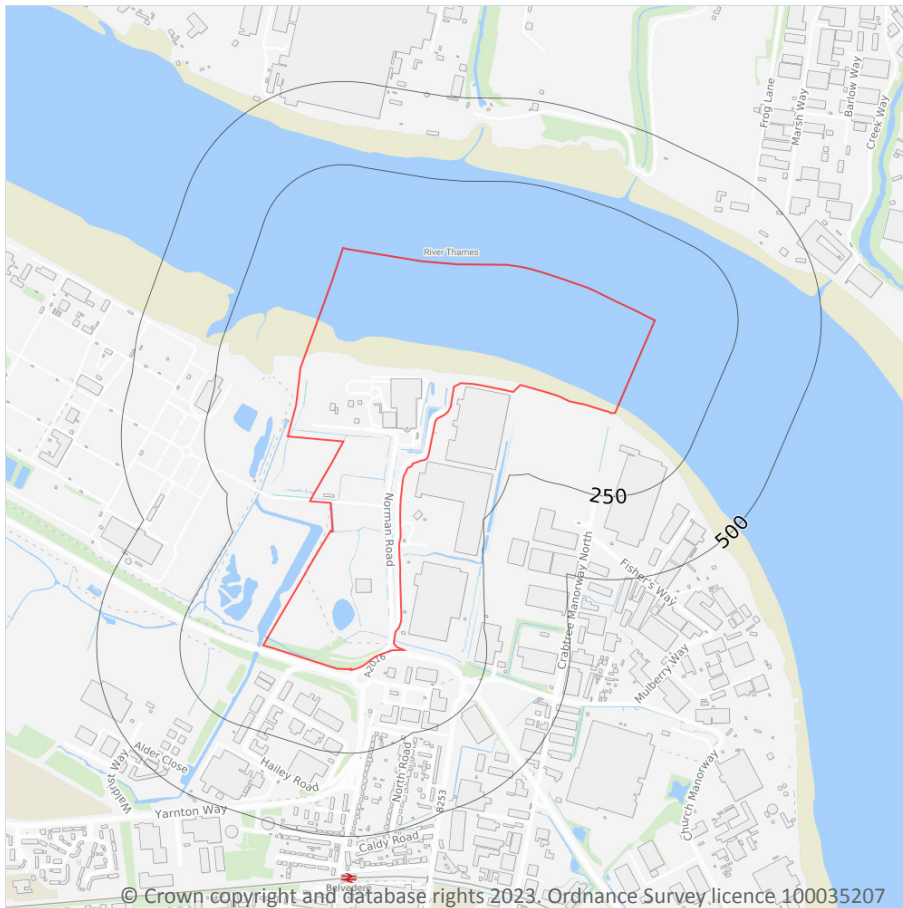
Records on site

0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes



19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

2

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

Features are displayed on the Ground cavities and sinkholes map on [page 212 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
-	952m S	Belvedere, Kent	Chalk	-	Chelsea Speleological Society
-	986m S	Belvedere, Kent	Chalk	-	Chelsea Speleological Society

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.



19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

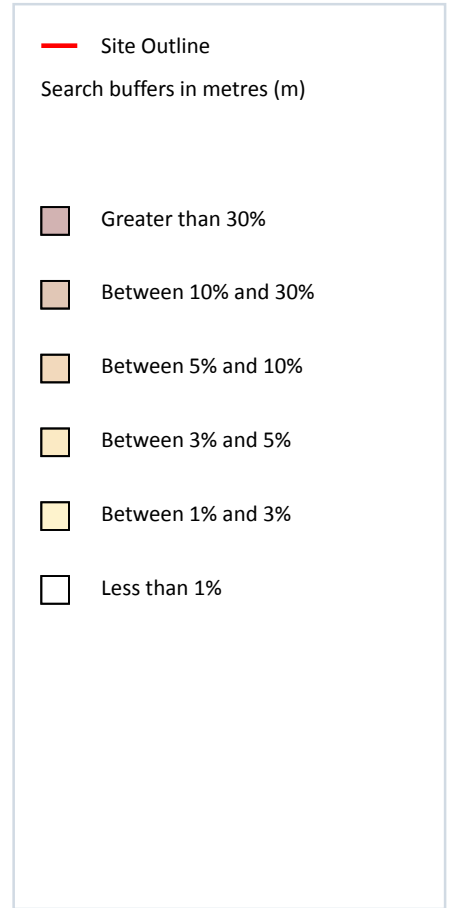
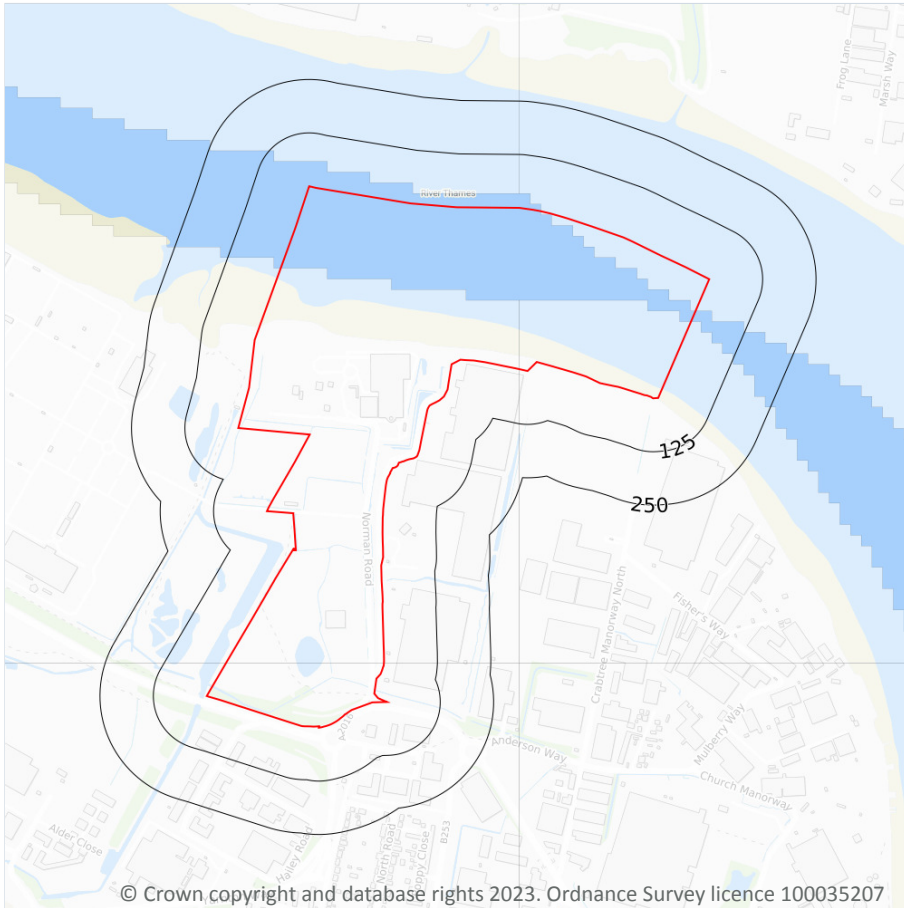
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 215 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

35

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	45 - 60 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	45 - 60 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	45 - 60 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	45 - 60 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	45 - 60 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	45 - 60 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	No data	No data	No data	No data	No data
On site	No data	No data	No data	No data	No data	No data	No data
On site	No data	No data	No data	No data	No data	No data	No data



21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

113

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	13	2.3	122	84	1.6	93	89	31	24
On site	13	2.3	122	84	1.7	93	90	31	25
On site	15	2.6	128	88	1.4	90	77	31	22
On site	15	2.6	129	89	1.4	90	79	31	22
On site	15	2.6	352	242	1.3	73	138	34	21
On site	15	2.6	349	240	1.4	73	140	34	20
On site	16	2.8	130	89	1.2	90	75	32	21
On site	16	2.8	128	88	1.4	90	77	31	22
On site	16	2.8	259	178	0.5	73	78	33	16
On site	16	2.8	361	248	1.1	71	126	33	23
On site	16	2.8	354	243	1.2	72	131	33	22
On site	16	2.8	370	254	1.3	74	139	34	23
On site	17	3	140	96	1.1	87	71	32	20
On site	17	3	220	151	0.6	77	73	33	16
On site	17	3	236	162	0.5	75	75	33	16
On site	17	3	230	158	0.6	75	74	33	16
On site	17	3	245	168	0.6	74	77	32	18
On site	17	3	347	238	1.1	72	120	33	22
On site	17	3	333	229	1	72	111	32	22
On site	17	3	383	263	1.2	75	134	34	27
On site	17	3	396	272	1.2	75	139	35	28
On site	17	3	392	269	1.3	74	141	35	26



Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	18	3.2	162	111	0.6	84	63	34	16
On site	18	3.2	156	107	0.8	84	66	33	17
On site	18	3.2	135	93	1.2	87	67	31	20
On site	18	3.2	204	140	0.6	78	69	34	16
On site	18	3.2	196	135	0.6	79	70	33	17
On site	18	3.2	164	113	0.5	80	66	34	14
On site	18	3.2	339	233	0.9	71	107	32	24
On site	18	3.2	318	218	0.9	72	102	32	22
On site	18	3.2	220	151	1.1	78	86	32	19
On site	18	3.2	212	146	1.1	79	84	32	19
On site	18	3.2	422	290	1.3	77	145	36	31
On site	19	3.3	151	104	0.6	86	58	35	15
On site	19	3.3	137	94	1.1	86	64	31	19
On site	19	3.3	156	107	0.5	86	55	37	14
On site	19	3.3	160	110	0.8	83	65	32	18
On site	19	3.3	117	80	0.5	86	58	35	12
On site	19	3.3	199	137	0.7	78	70	32	17
On site	19	3.3	289	199	0.8	72	88	31	22
On site	19	3.3	207	142	1	79	78	32	18
On site	19	3.3	200	137	1	79	77	32	18
On site	19	3.3	196	135	1	79	76	32	18
On site	19	3.3	194	133	1	80	76	32	18
On site	19	3.3	302	207	0.9	72	96	32	22
On site	19	3.3	399	274	1.2	77	133	35	31
On site	19	3.3	426	293	1.2	78	142	36	34
On site	20	3.5	153	105	1.1	87	68	31	20
On site	20	3.5	125	86	0.5	93	47	38	13



Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	20	3.5	155	106	1	83	65	31	19
On site	20	3.5	159	109	1.1	83	68	31	19
On site	20	3.5	93	64	0.5	93	51	37	11
On site	20	3.5	176	121	0.7	80	64	32	17
On site	20	3.5	164	113	1	82	68	31	19
On site	20	3.5	189	130	0.9	79	69	31	18
On site	20	3.5	178	122	1	81	70	31	18
On site	20	3.5	371	255	1.1	76	121	34	30
On site	21	3.7	99	68	0.5	99	42	39	12
On site	21	3.7	96	66	0.6	97	37	37	13
On site	21	3.7	103	71	0.5	100	41	40	12
On site	21	3.7	111	76	0.5	97	43	39	12
On site	21	3.7	123	85	0.5	93	47	38	12
On site	21	3.7	94	65	0.6	100	38	38	13
On site	21	3.7	107	74	0.5	99	43	40	12
On site	21	3.7	90	62	0.5	97	45	38	12
On site	21	3.7	160	110	1	82	64	31	18
On site	21	3.7	167	115	1	82	66	31	18
On site	21	3.7	179	123	0.9	80	66	31	18
On site	21	3.7	176	121	1	81	68	31	18
On site	21	3.7	380	261	1.1	78	122	35	33
On site	21	3.7	418	287	1.2	80	135	37	36
On site	22	3.8	98	67	0.5	100	39	40	11
On site	22	3.8	146	100	1	84	58	30	18
On site	22	3.8	150	103	1	83	61	30	18
On site	22	3.8	171	117	0.9	80	61	31	17
On site	22	3.8	163	112	1	81	62	31	18



Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	22	3.8	176	121	0.9	80	66	31	18
On site	22	3.8	589	405	1.4	84	201	43	53
On site	23	4	91	63	0.5	105	37	41	12
On site	23	4	90	62	0.5	106	37	41	12
On site	23	4	88	60	0.5	105	37	41	12
On site	23	4	155	106	1	82	59	30	18
On site	24	4.2	160	110	0.9	81	57	30	17
On site	25	4.4	145	100	0.9	83	54	30	17
On site	25	4.4	152	104	0.9	82	53	30	17
On site	25	4.4	160	110	0.9	81	56	30	17
On site	26	4.6	152	104	0.9	81	52	30	17
On site	27	4.7	147	101	0.9	82	50	30	17
On site	29	5.1	150	103	0.8	81	48	30	16
2m NW	21	3.7	159	109	1	87	69	31	20
8m SE	19	3.3	207	142	0.8	78	74	32	18
9m SW	20	3.5	123	85	0.6	91	53	36	15
11m S	19	3.3	91	63	0.5	87	55	34	12
11m SW	23	4	86	59	0.5	105	36	42	12
13m SW	23	4	92	63	0.6	106	36	41	12
14m S	20	3.5	85	58	0.5	97	47	37	12
15m S	17	3	257	177	0.5	73	78	33	17
16m N	20	3.5	171	117	1	82	69	31	19
17m S	18	3.2	143	98	0.5	79	72	33	15
19m S	17	3	255	175	0.5	74	76	33	17
20m S	17	3	197	135	0.5	75	78	33	17
20m E	15	2.6	361	248	1.3	73	138	34	21
24m E	15	2.6	369	254	1.2	72	137	34	22



Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
26m SW	21	3.7	104	71	0.5	97	44	39	13
27m NE	21	3.7	459	315	1.3	82	149	38	42
28m N	20	3.5	180	124	1	81	72	31	18
28m SW	18	3.2	132	91	0.8	89	63	34	17
30m NW	18	3.2	146	100	1.2	89	74	31	21
33m N	19	3.3	193	133	1	80	77	32	19
34m S	18	3.2	283	194	0.6	72	82	32	20
38m E	16	2.8	380	261	1.2	75	139	34	23
42m W	16	2.8	125	86	1.1	91	70	33	20
49m S	20	3.5	91	63	0.6	96	42	36	13

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

4

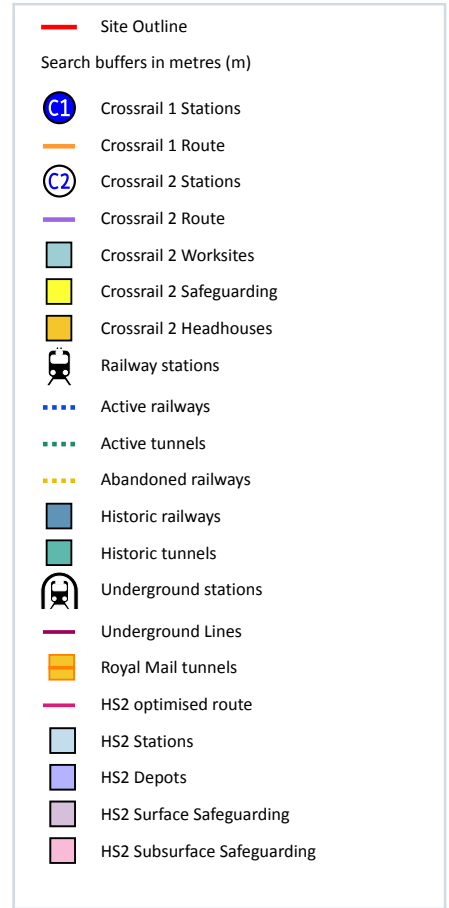
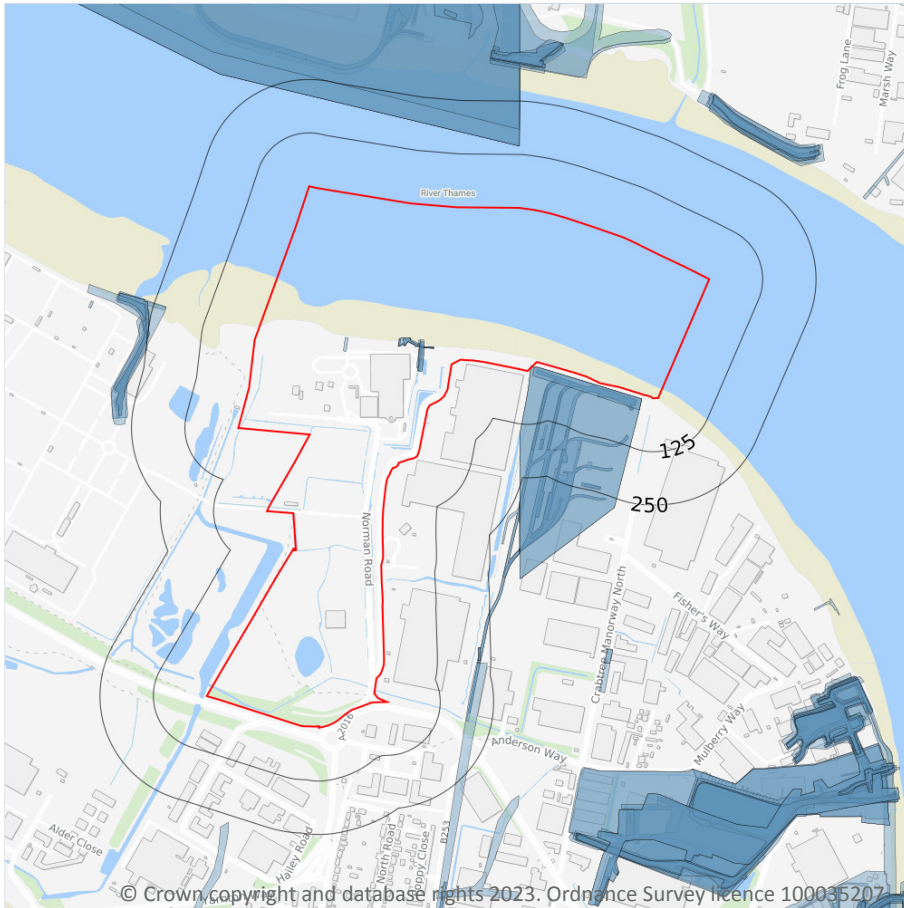
The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

Location	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Tin (mg/kg)	Sample Type
On site	16.4	0.5	73.0	78.4	33.0	260.0	16.1	Topsoil
On site	29.5	0.8	80.7	46.7	29.5	149.1	16.0	Topsoil
1m W	12.5	1.8	93.4	93.1	31.2	120.0	25.4	Topsoil
6m E	14.9	1.4	73.6	140.4	34.4	346.0	19.7	Topsoil

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

41

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 224 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1920	2500
On site	Railway Sidings	1957	2500
On site	Railway Sidings	1897	2500
On site	Railway Sidings	1963	1250
On site	Railway Sidings	1957	1250
On site	Railway Sidings	1898	10560
On site	Railway Sidings	1973	10000
On site	Railway Sidings	1967	10560
On site	Railway Sidings	1895	10560
4m E	Railway Sidings	1955	10560
12m E	Railway Sidings	1963	2500
12m E	Railway Sidings	1975	1250
12m E	Railway Sidings	1959	1250
51m E	Railway Sidings	1992	1250
54m E	Railway Sidings	1992	1250
128m E	Railway Sidings	1992	1250
130m E	Railway Sidings	1975	1250



Location	Land Use	Year of mapping	Mapping scale
133m E	Railway Sidings	1992	1250
145m NE	Railway Sidings	1983	10000
145m NE	Railway Sidings	1974	10000
145m NE	Railway Sidings	1969	10560
162m E	Railway Sidings	1975	1250
162m E	Railway Sidings	1959	1250
163m E	Railway Sidings	1959	1250
175m E	Railway Sidings	1970	1250
177m E	Railway Sidings	1984	1250
184m N	Railway Sidings	1949	10560
189m S	Railway Sidings	1974	10000
191m S	Railway Sidings	1982	1250
192m S	Railway Sidings	1985	1250
199m SE	Railway Sidings	1997	1250
218m S	Railway Sidings	1957	1250
219m S	Railway Sidings	1963	1250
220m S	Railway Sidings	1957	2500
220m W	Railway Sidings	1895	10560
221m W	Railway Sidings	1897	2500
235m SE	Railway Sidings	1970	1250
236m SE	Railway Sidings	1984	1250
237m SE	Railway Sidings	1997	1250
247m W	Railway Sidings	1899	10560
247m W	Railway Sidings	1895	10560

This data is sourced from Ordnance Survey/Groundsure.



22.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.



22.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



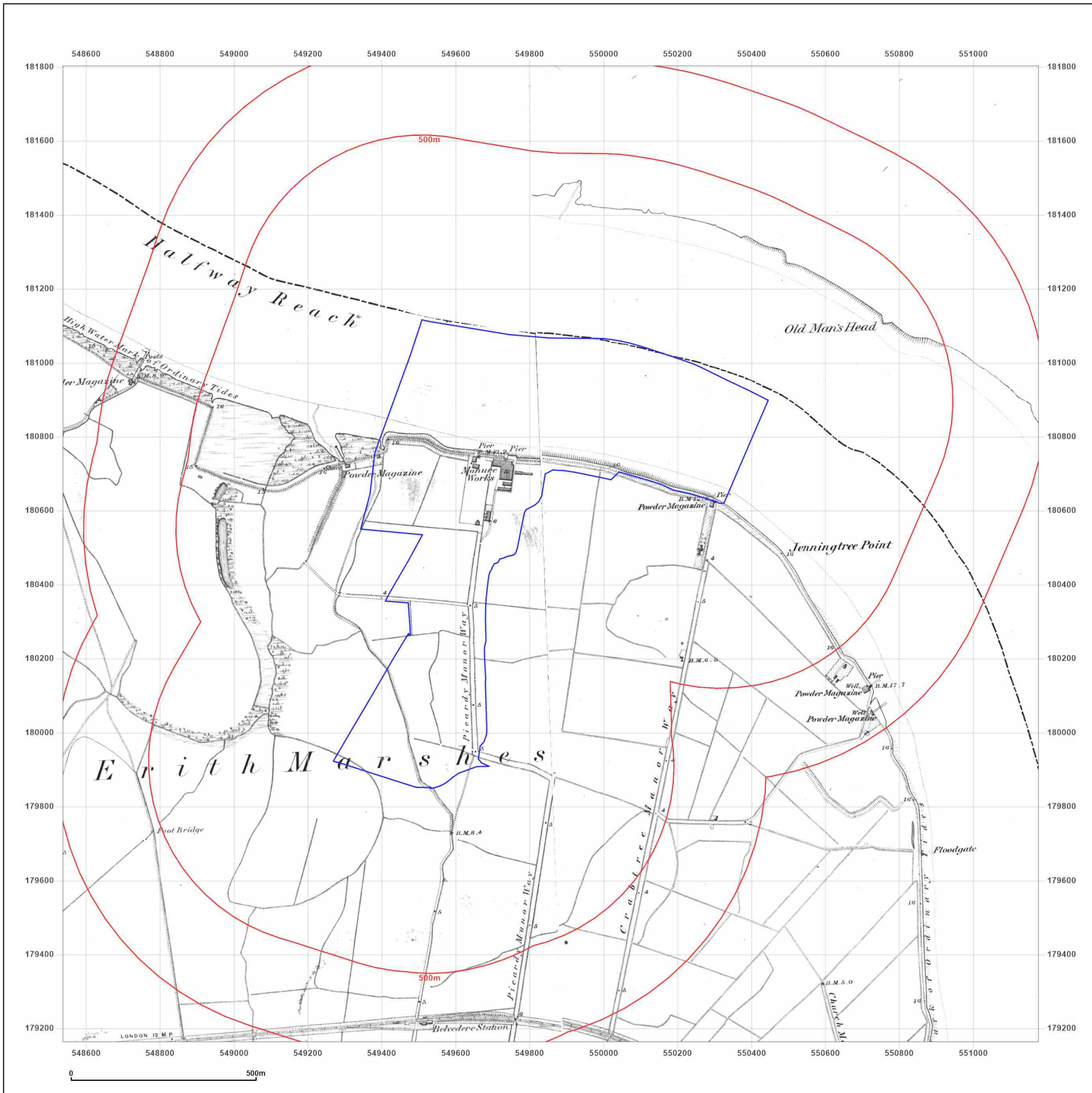
Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see [REDACTED]

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: [REDACTED]
[REDACTED].





Site Details:

549748.9002713361,180627.41
44474817

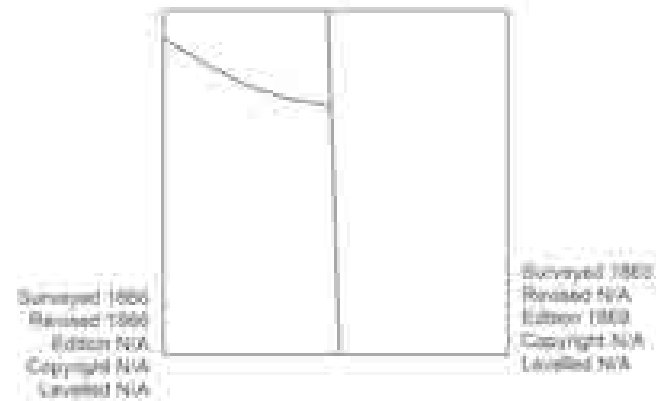
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Map Name: County Series

Map date: 1866-1869

Scale: 1:10,560

Printed at: 1:10,560

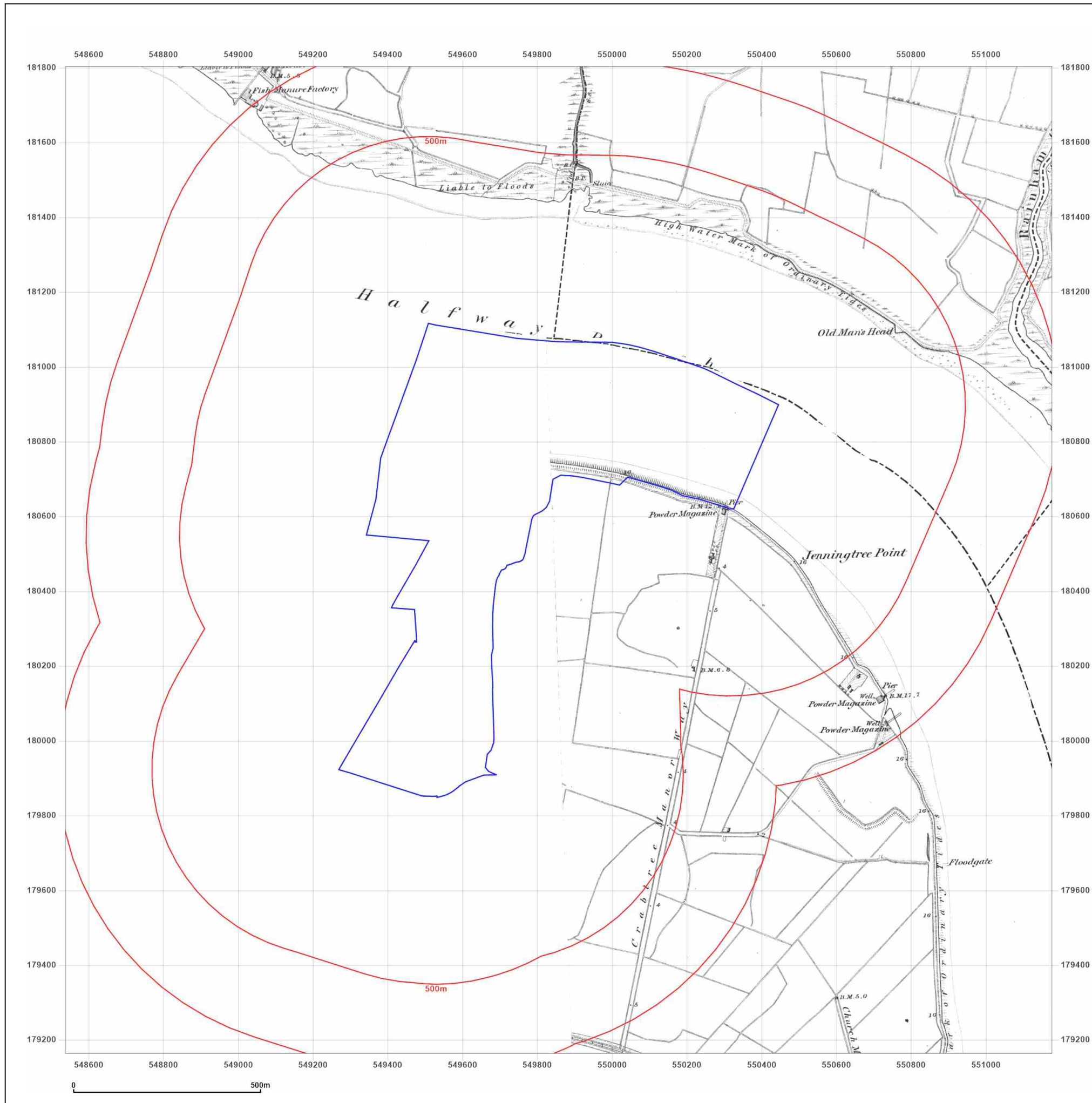


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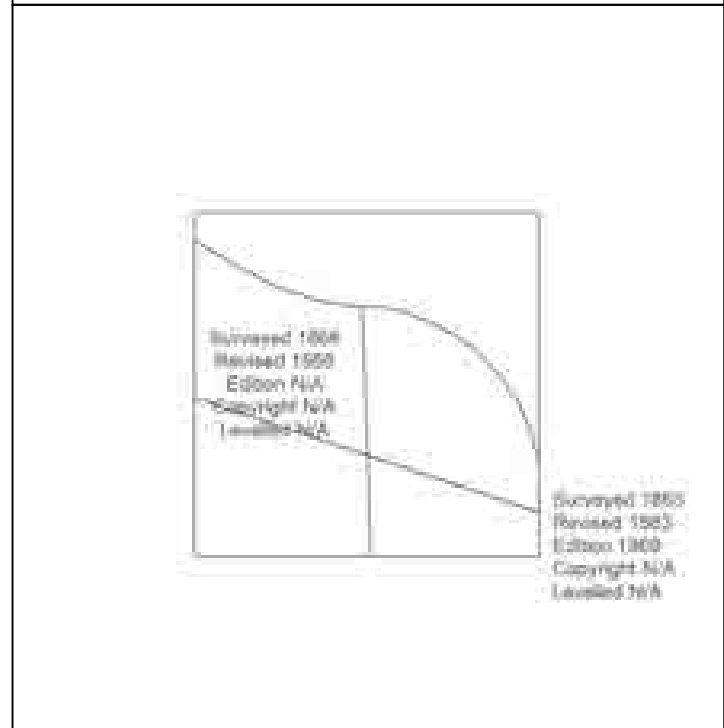
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Site Details:
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 44474817

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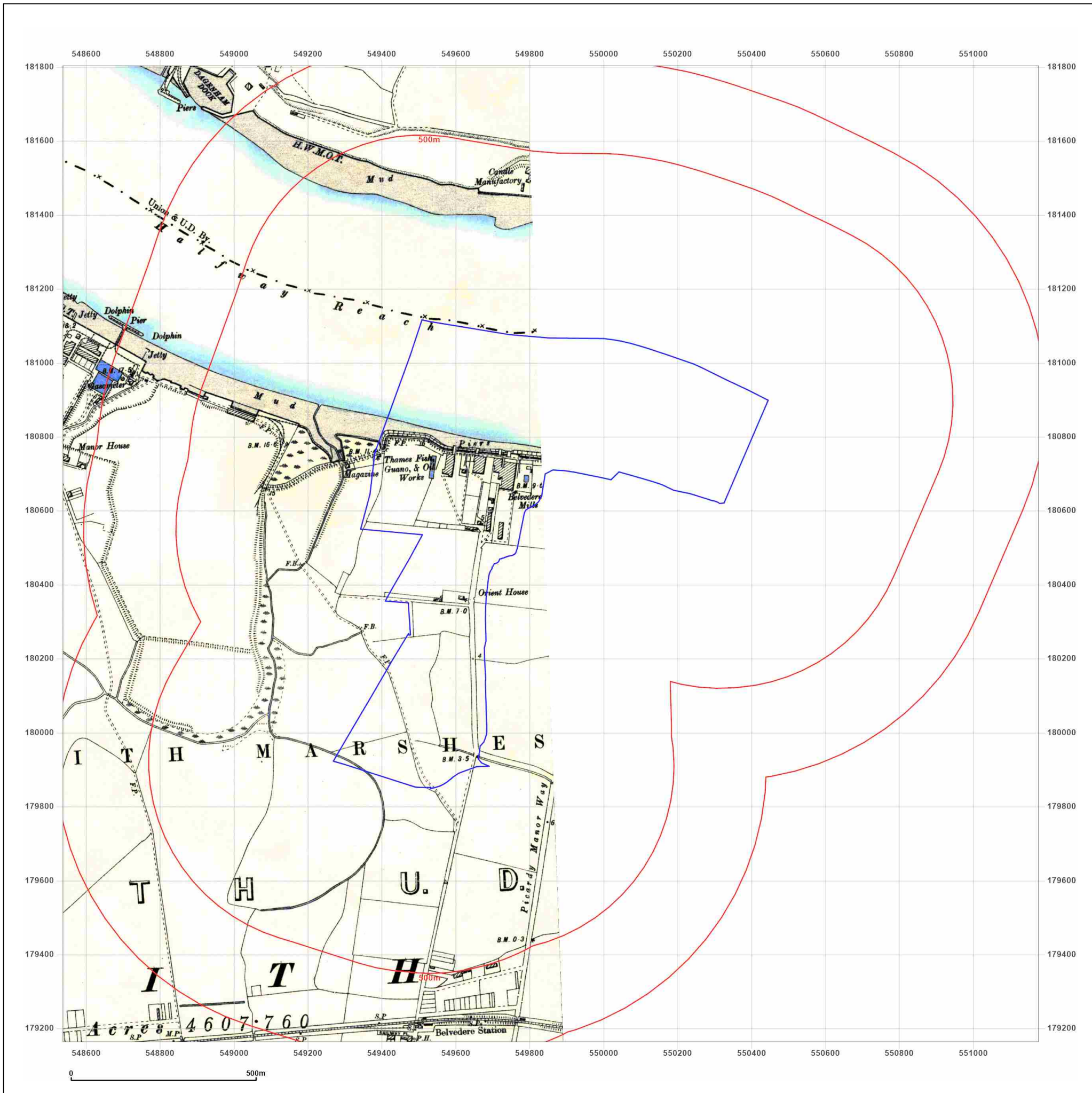
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Site Details:

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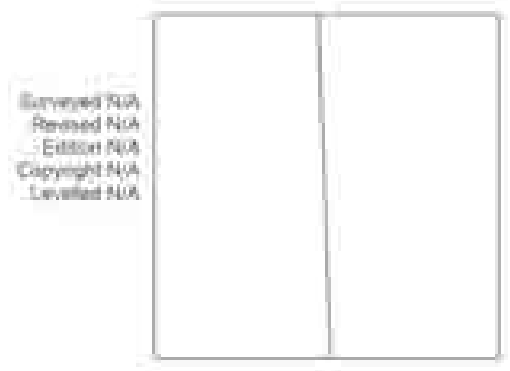
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Grid Ref: 549856, 180483

Map Name: County Series

Map date: 1888

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised N/A
Edited N/A
Copyright N/A
Levelled N/A

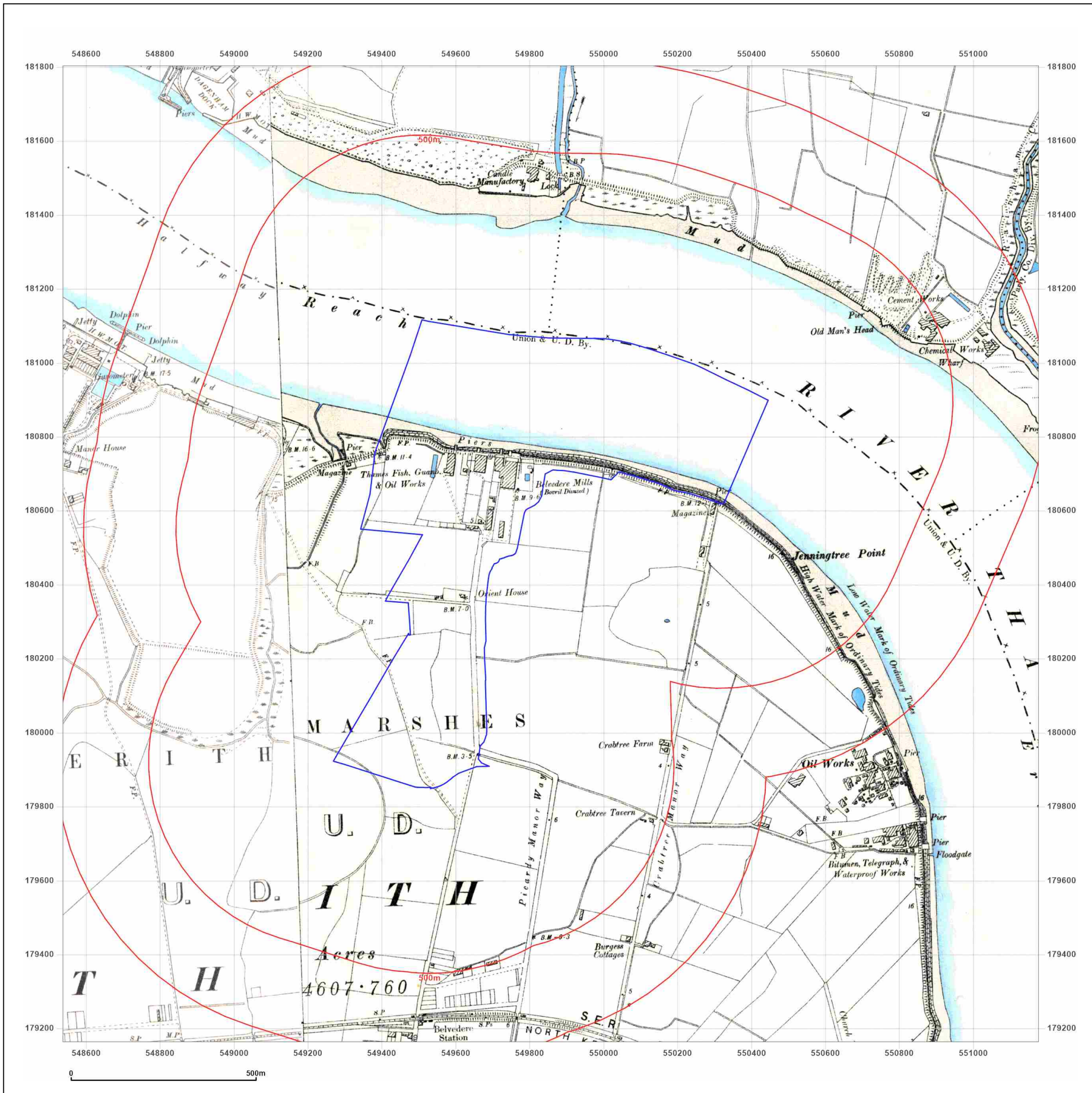


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Production date: 12 September 2023

Map legend available at: XXXXXXXXXX



Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: County Series

Map date: 1895

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1888
Revised 1905
Edition N/A
Copyright N/A
Licensed N/A

Surveyed 1888
Revised 1905
Edition N/A
Copyright N/A
Licensed N/A

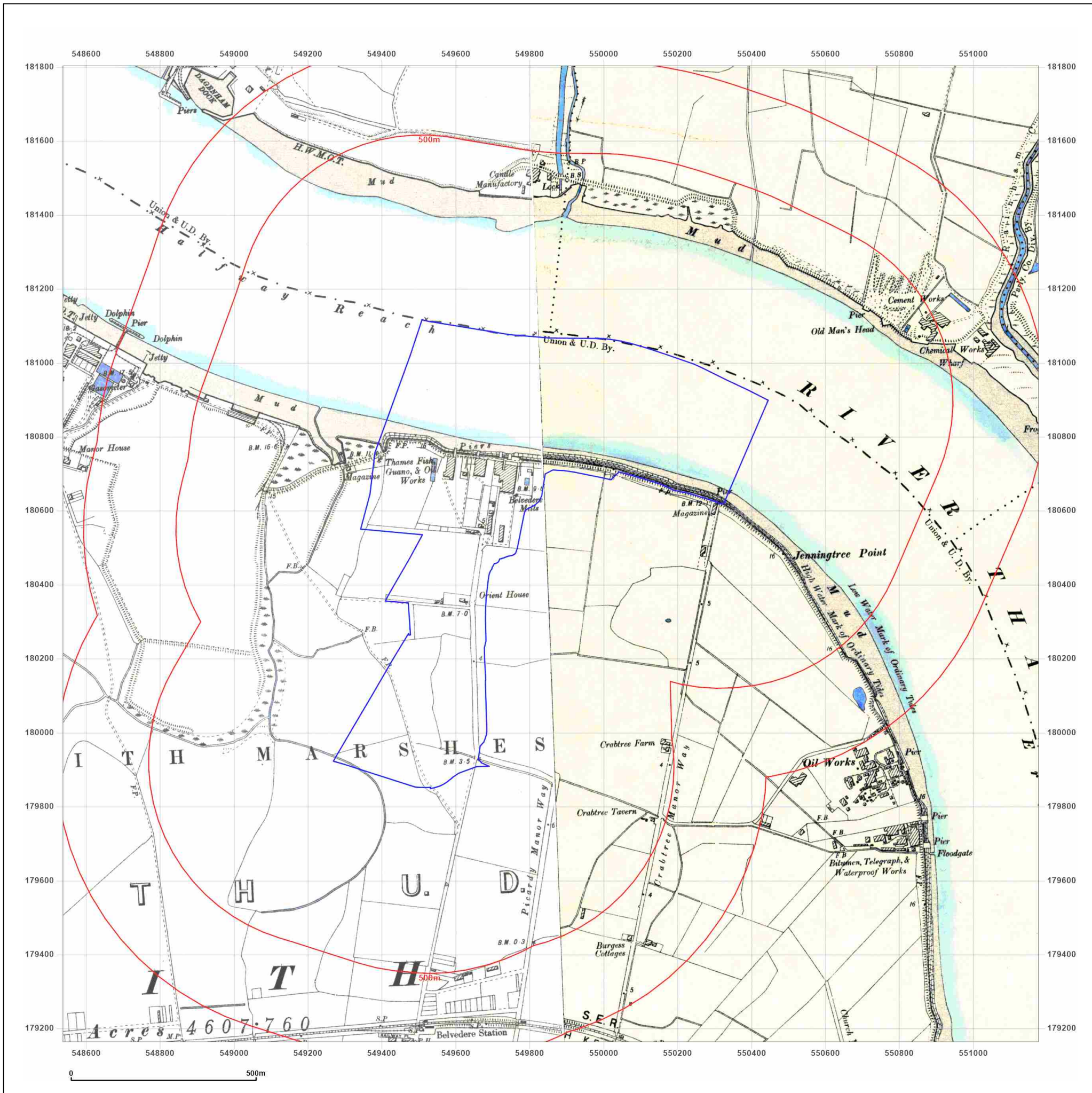


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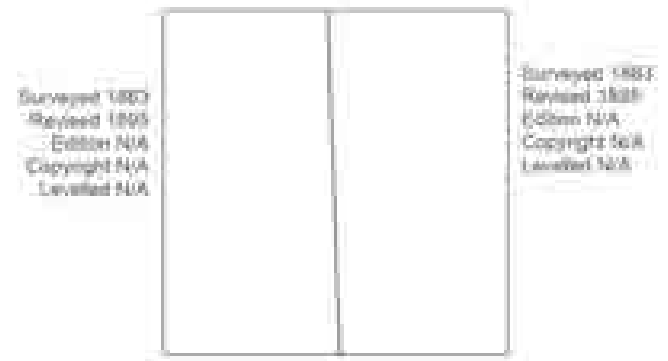
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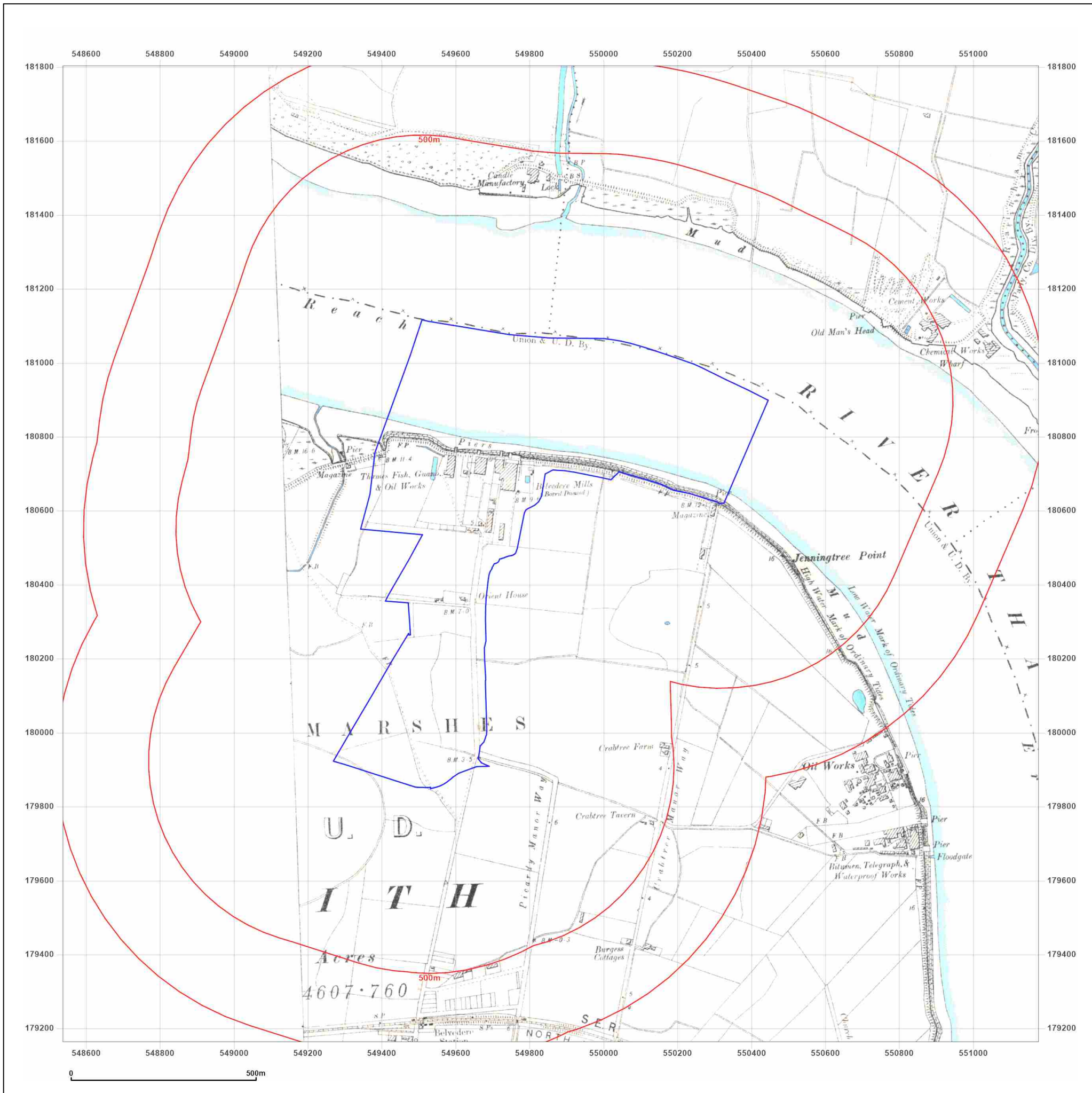


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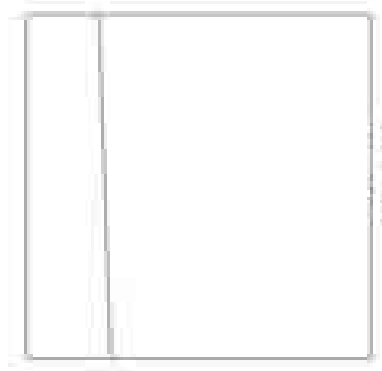
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Printed at: 1:10,560



Surveyed 1886
Revised 1888
Edition N/A
Copyright N/A
Levelled N/A

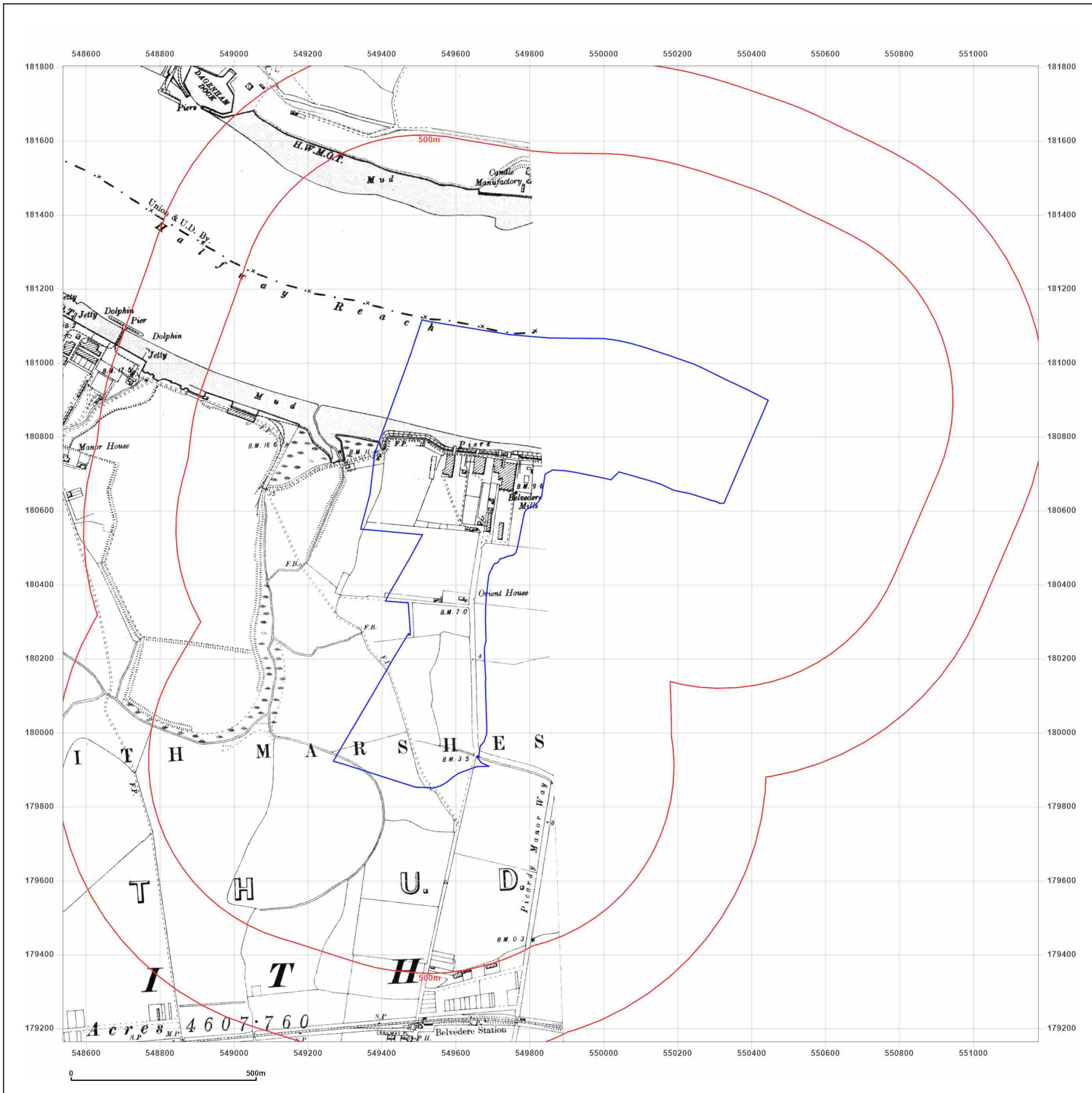


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Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
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Grid Ref: 549856, 180483

Map Name: County Series

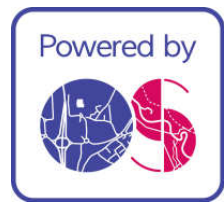
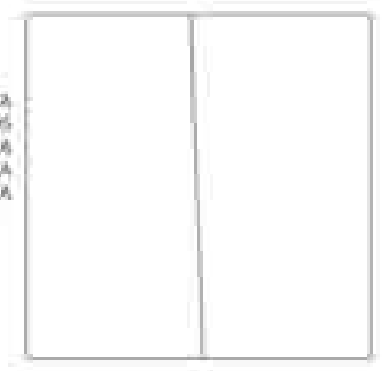
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Printed at: 1:10,560



Surveyed 1895
Revised 1895
Edition N/A
Copyright N/A
Levelled N/A

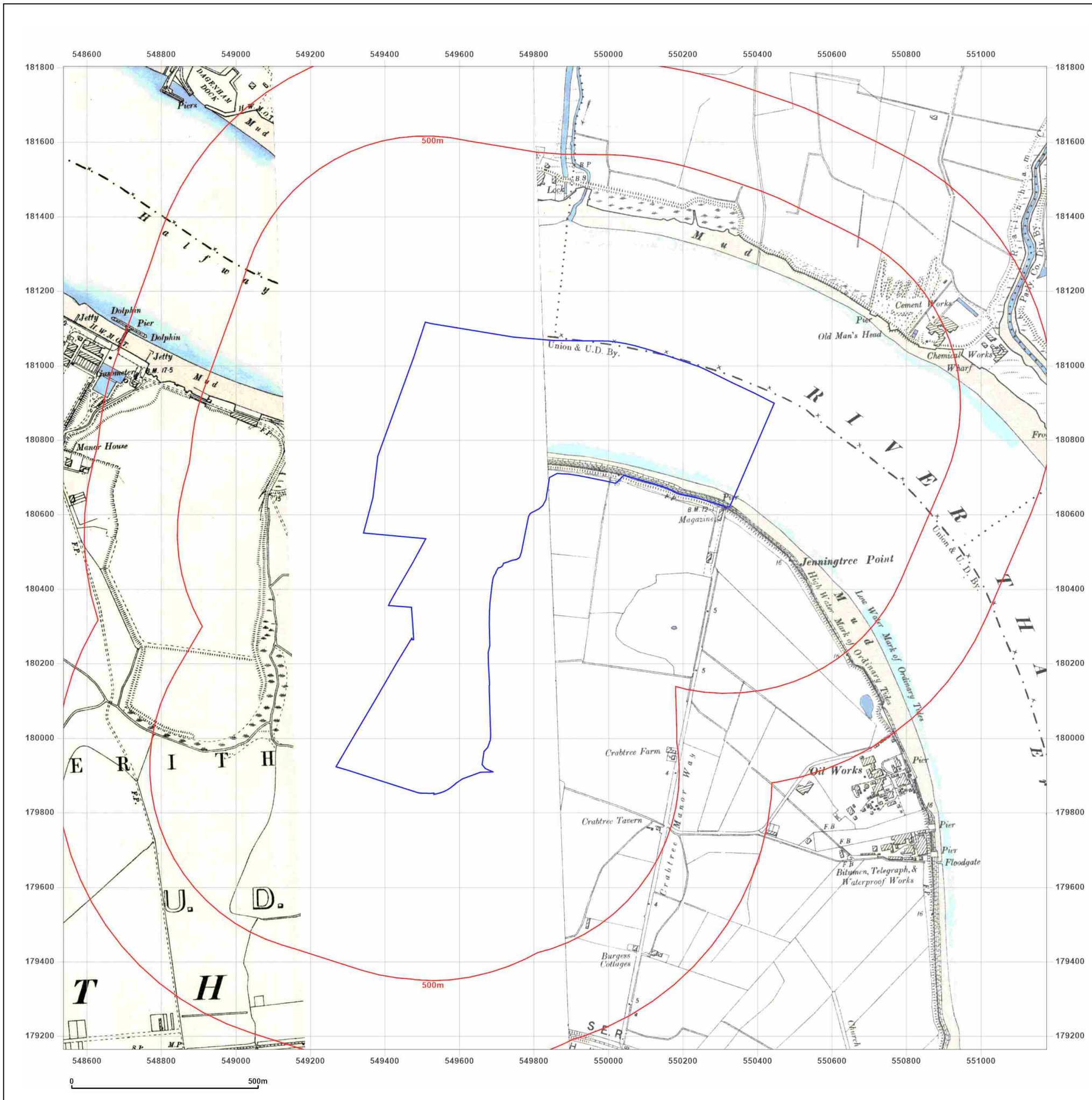


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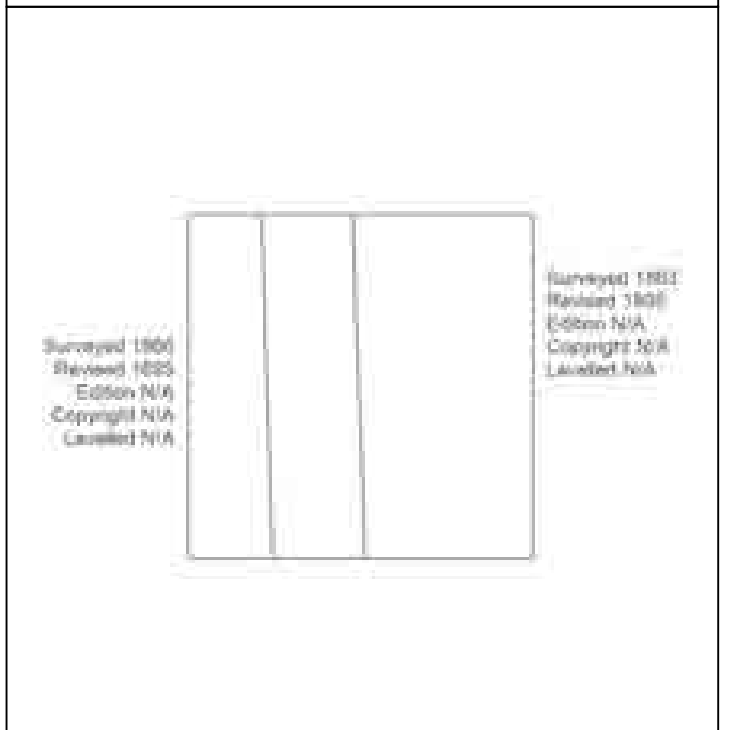
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Map Name: County Series

Map date: 1895-1899

Scale: 1:10,560

Printed at: 1:10,560

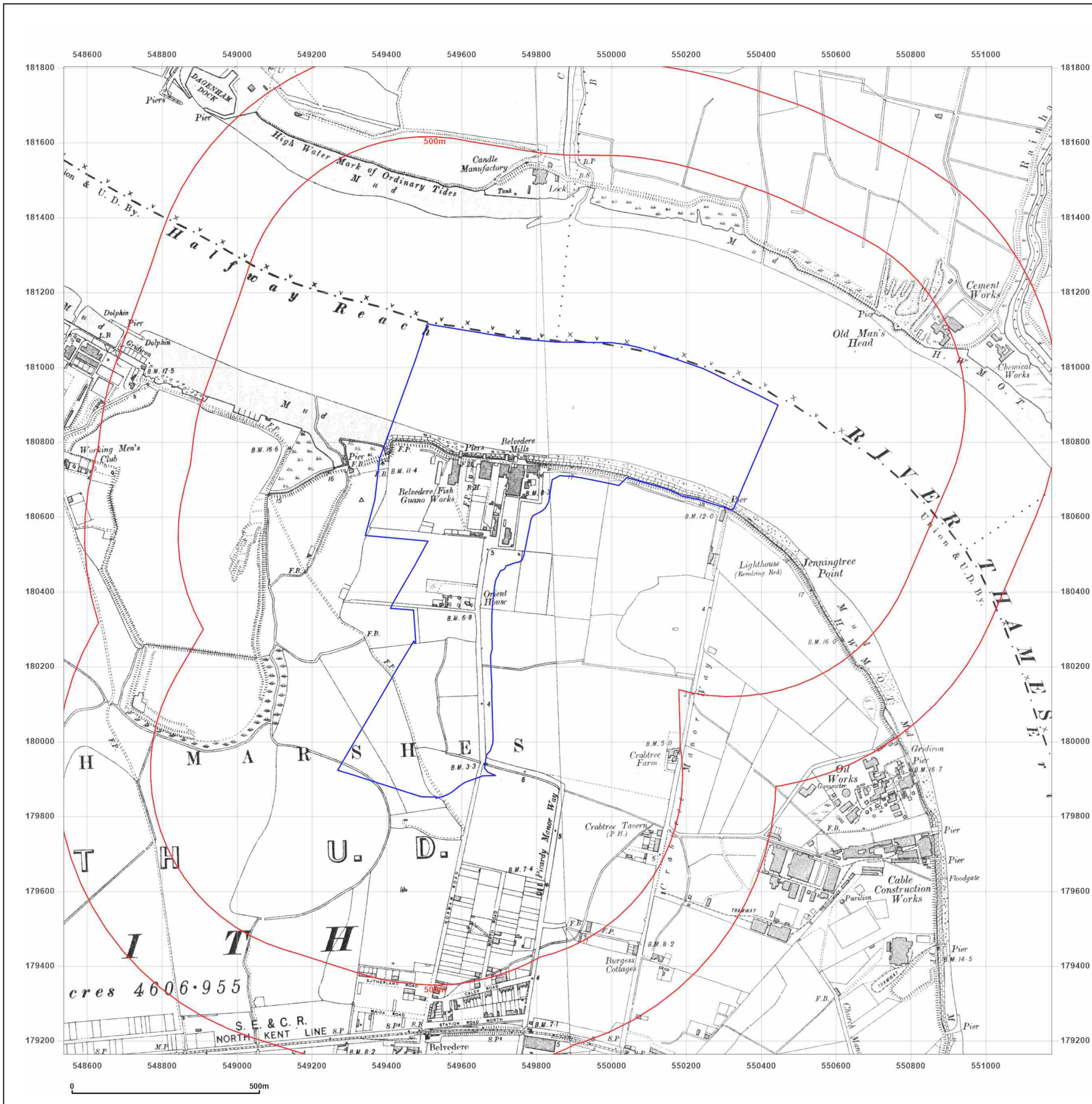


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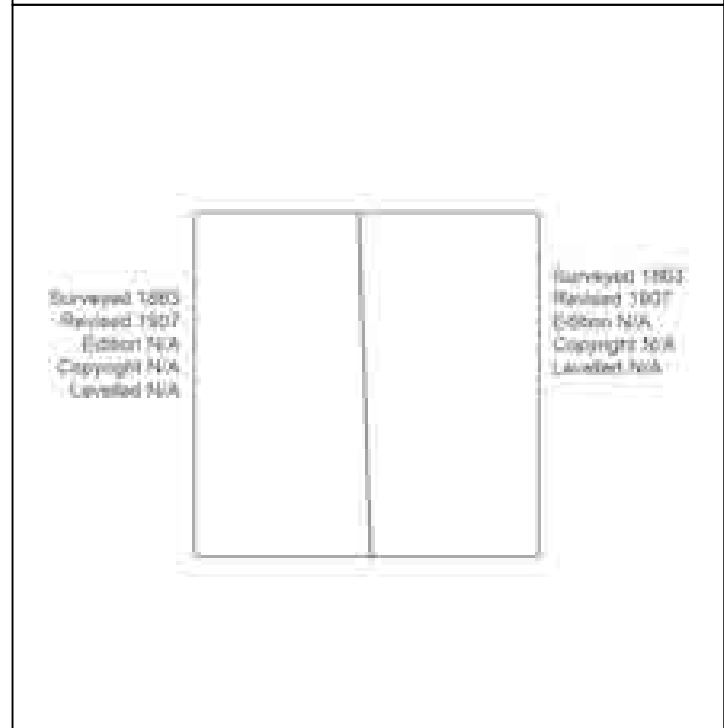
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Grid Ref: 549856, 180483

Map Name: County Series
Map date: 1907
Scale: 1:10,560
Printed at: 1:10,560



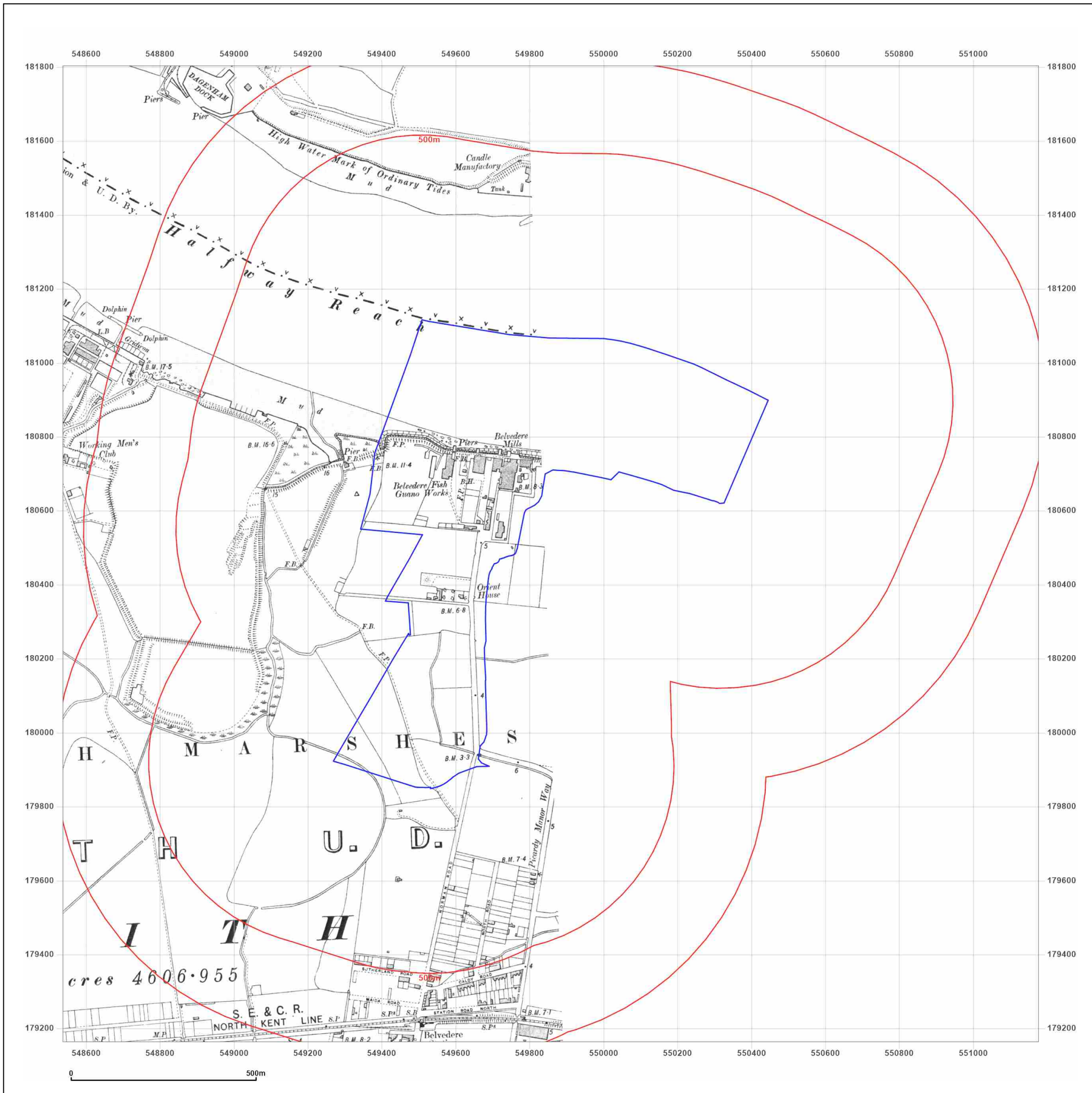
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44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
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Map Name: County Series

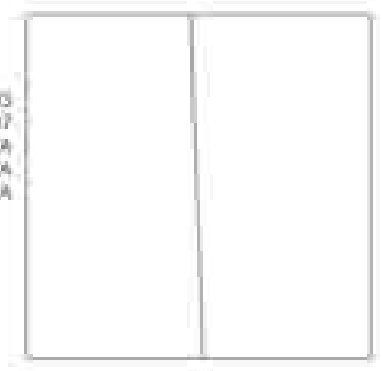
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Printed at: 1:10,560



Surveyed 1883
Revised 1907
Edition N/A
Copyright N/A
Licensed N/A

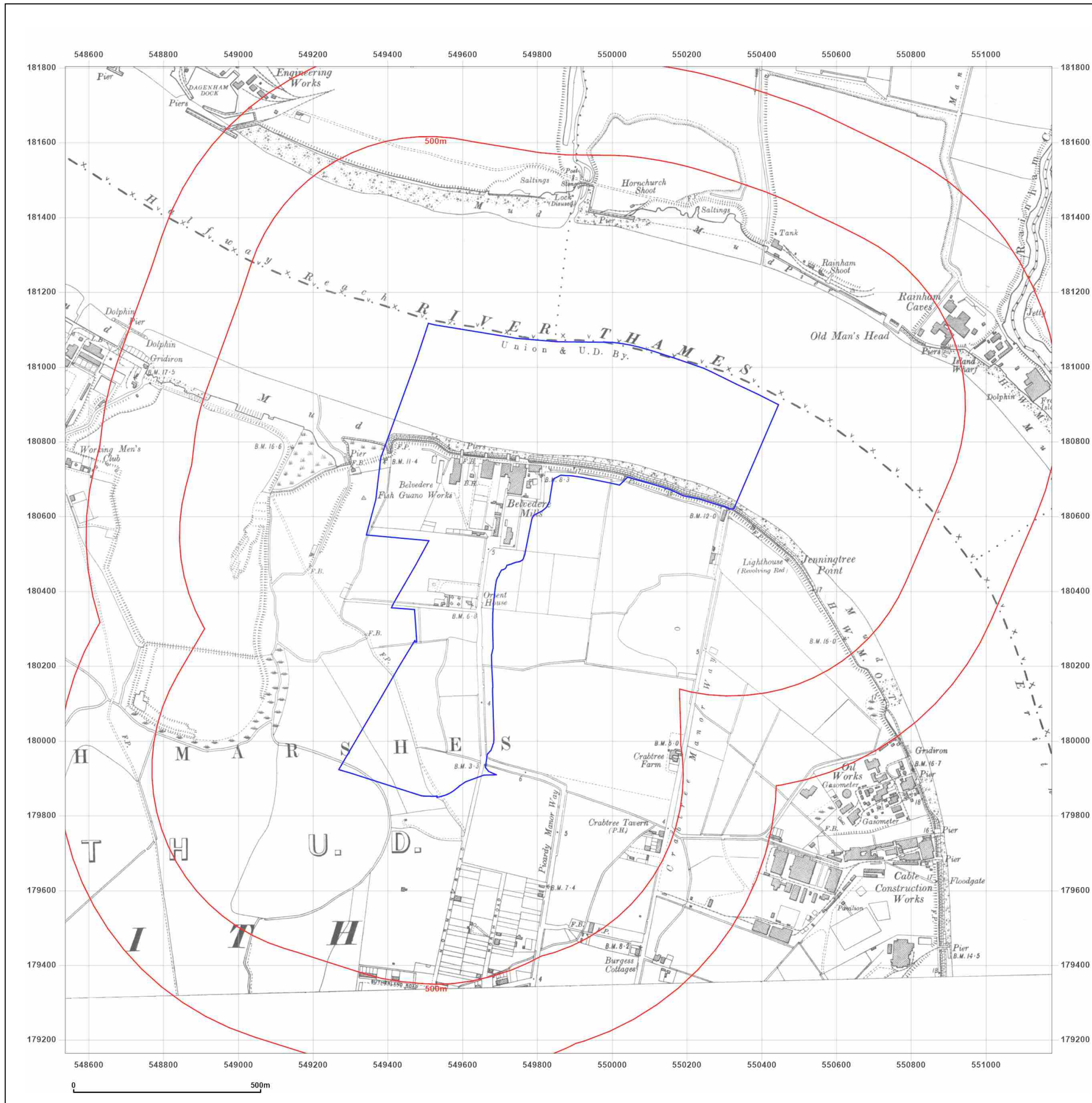


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Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: County Series
Map date: 1915
Scale: 1:10,560
Printed at: 1:10,560

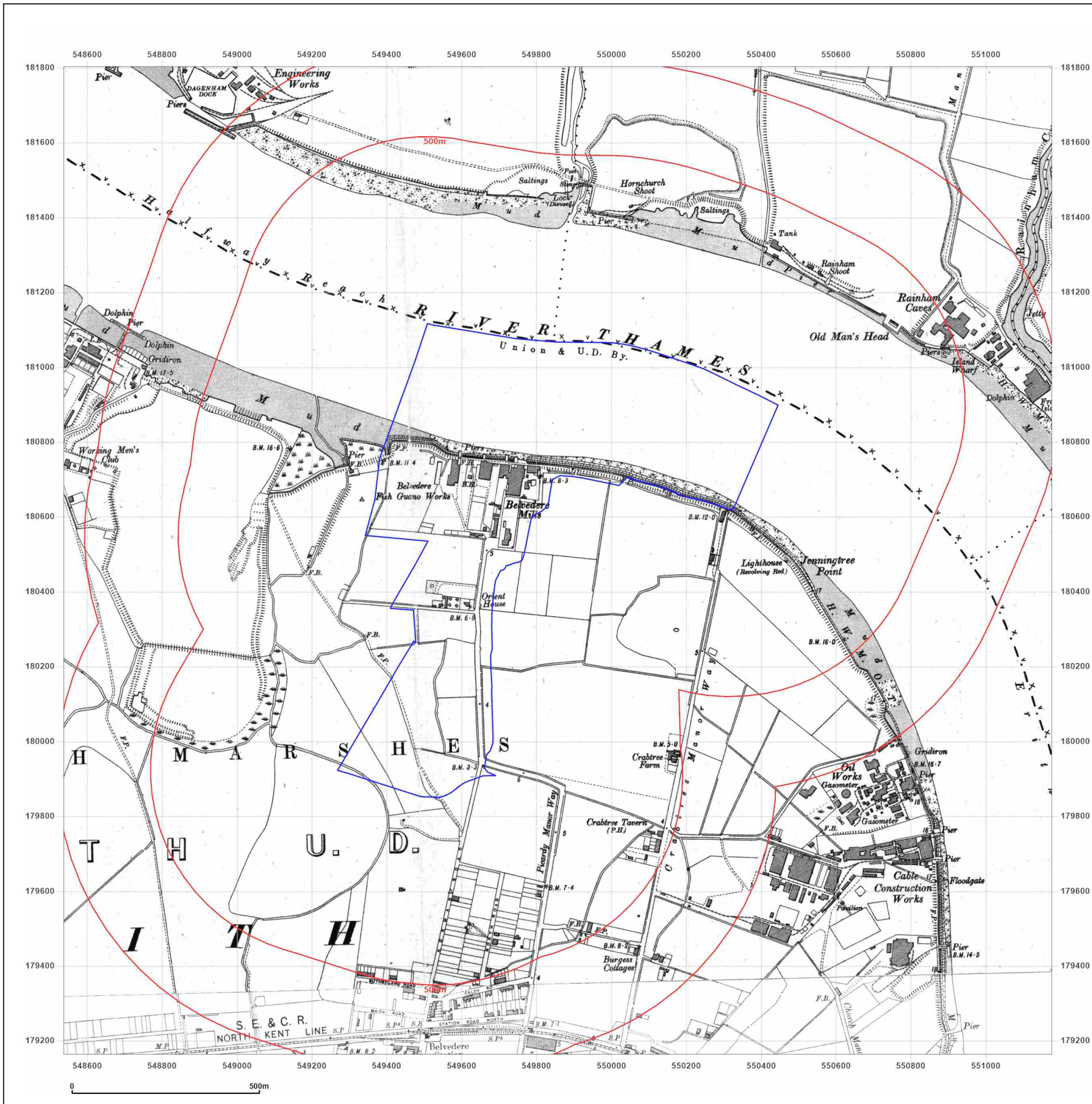


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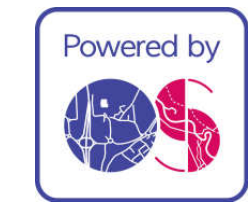
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Grid Ref: 549856, 180483

Map Name: County Series
Map date: 1918-1921
Scale: 1:10,560
Printed at: 1:10,560



Surveyed N.A.
 Revised 1918
 Edition N.A.
 Copyright N.A.
 Licensed N.A.

Surveyed 1854
 Revised 1921
 Edition N.A.
 Copyright N.A.
 Licensed N.A.

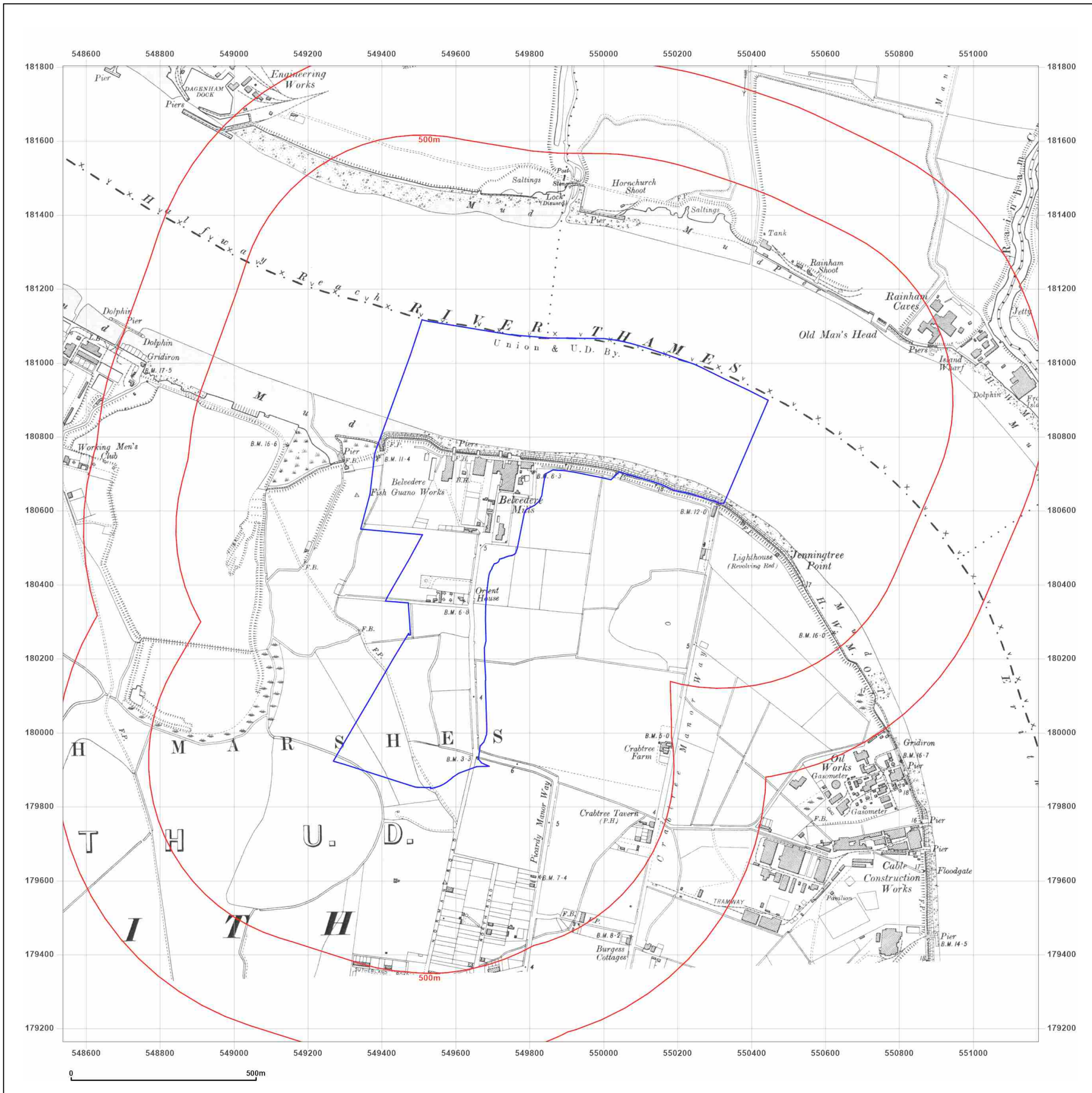


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Client Ref: Cory_
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Map Name: County Series

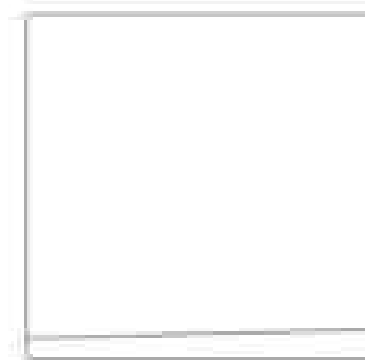
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Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1884
Revised 1901
Edition NW
Copyright N.A.
Licensed 2018

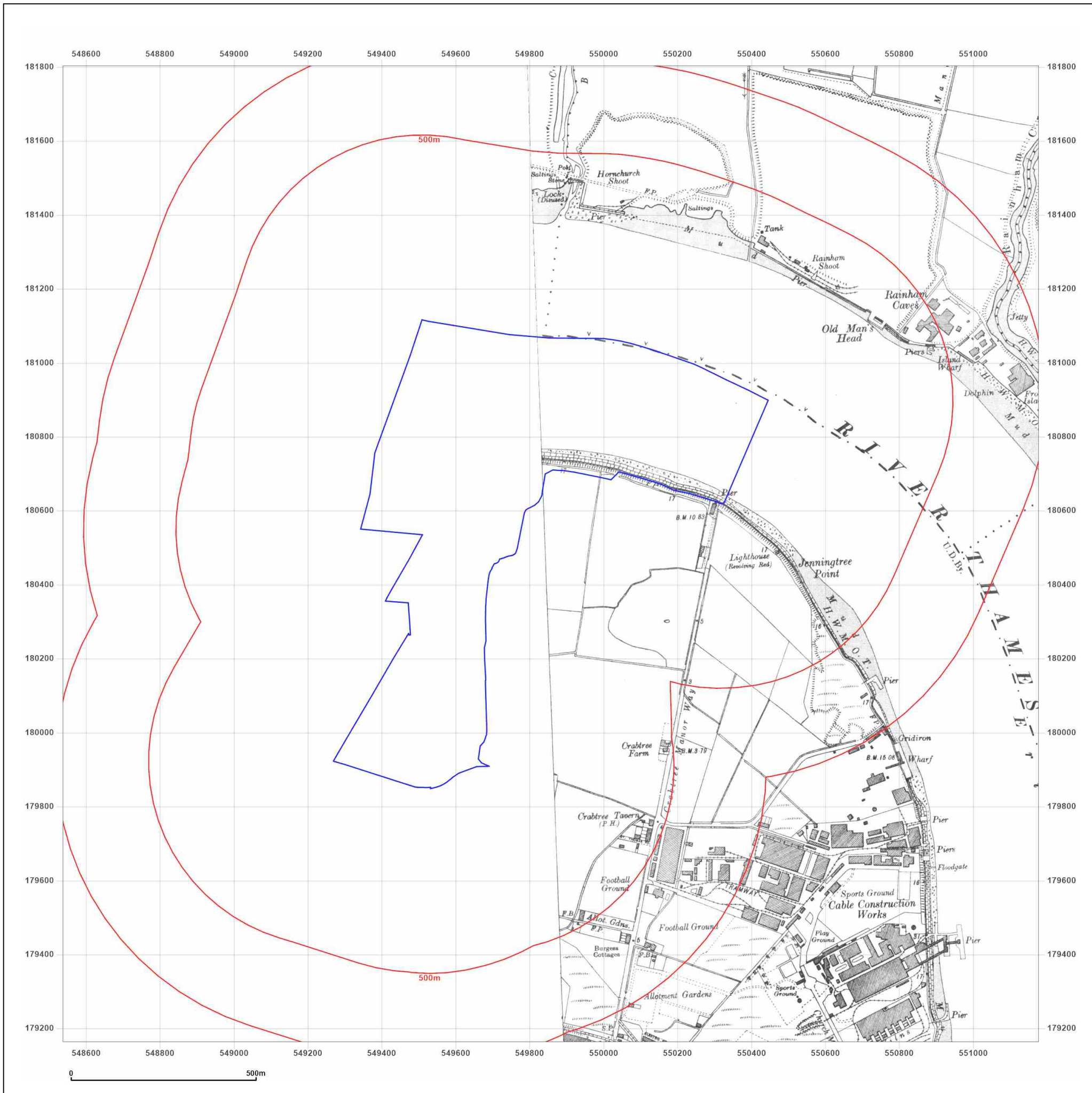


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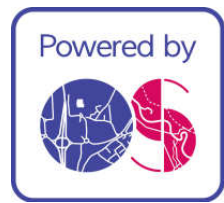
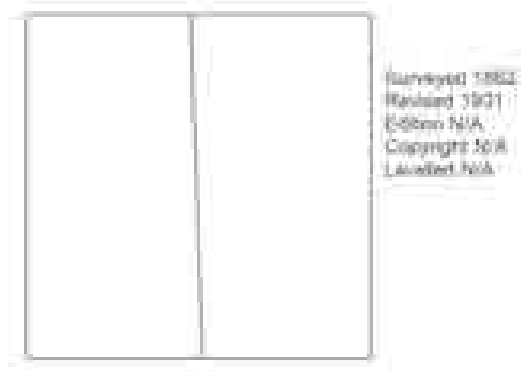
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Map Name: County Series

Map date: 1931

Scale: 1:10,560

Printed at: 1:10,560

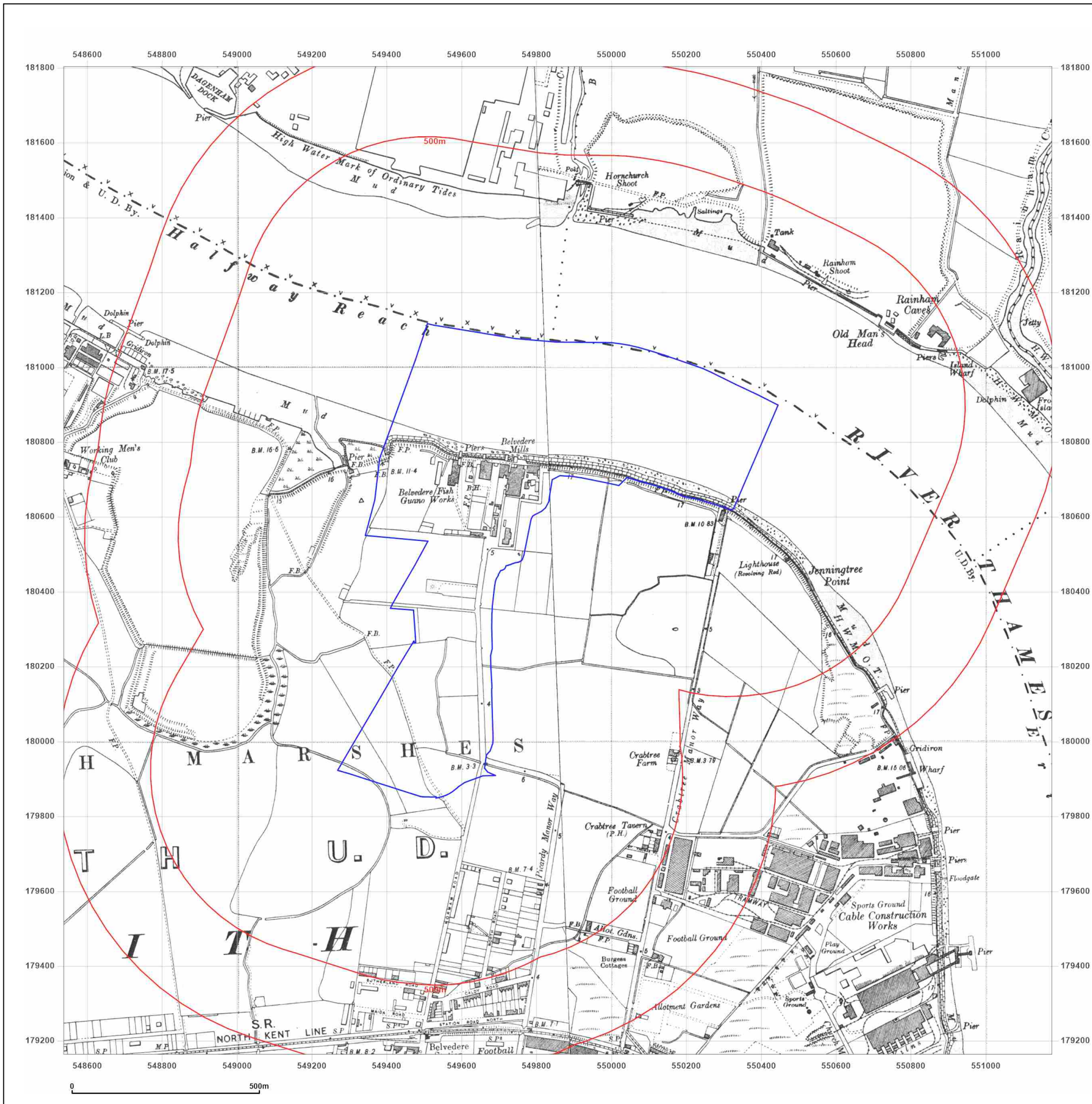


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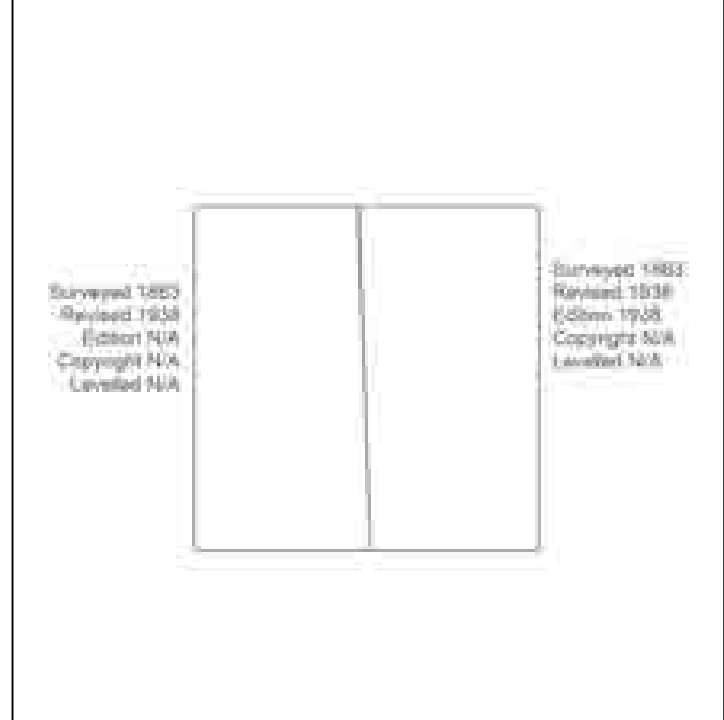
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Client Ref: Cory_
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Grid Ref: 549856, 180483

Map Name: County Series
Map date: 1938
Scale: 1:10,560
Printed at: 1:10,560

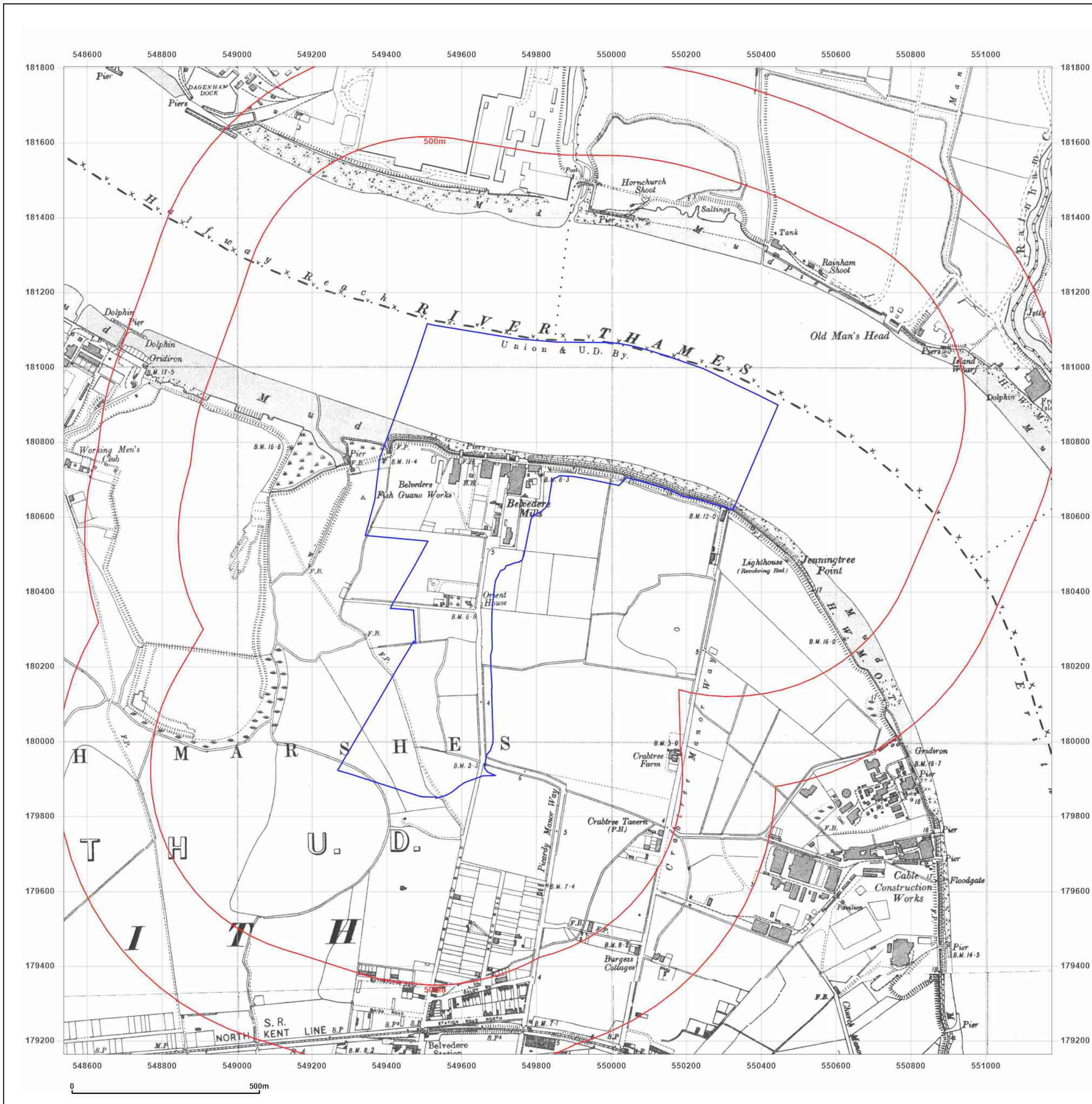


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Production date: 12 September 2023

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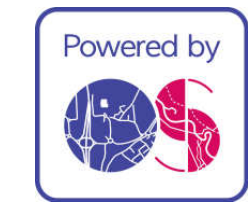
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Grid Ref: 549856, 180483

Map Name: County Series
Map date: 1938
Scale: 1:10,560
Printed at: 1:10,560



Surveyed 1884
 Revised 1938
 Edited 1998
 Copyright M.A.
 Licensed N/A

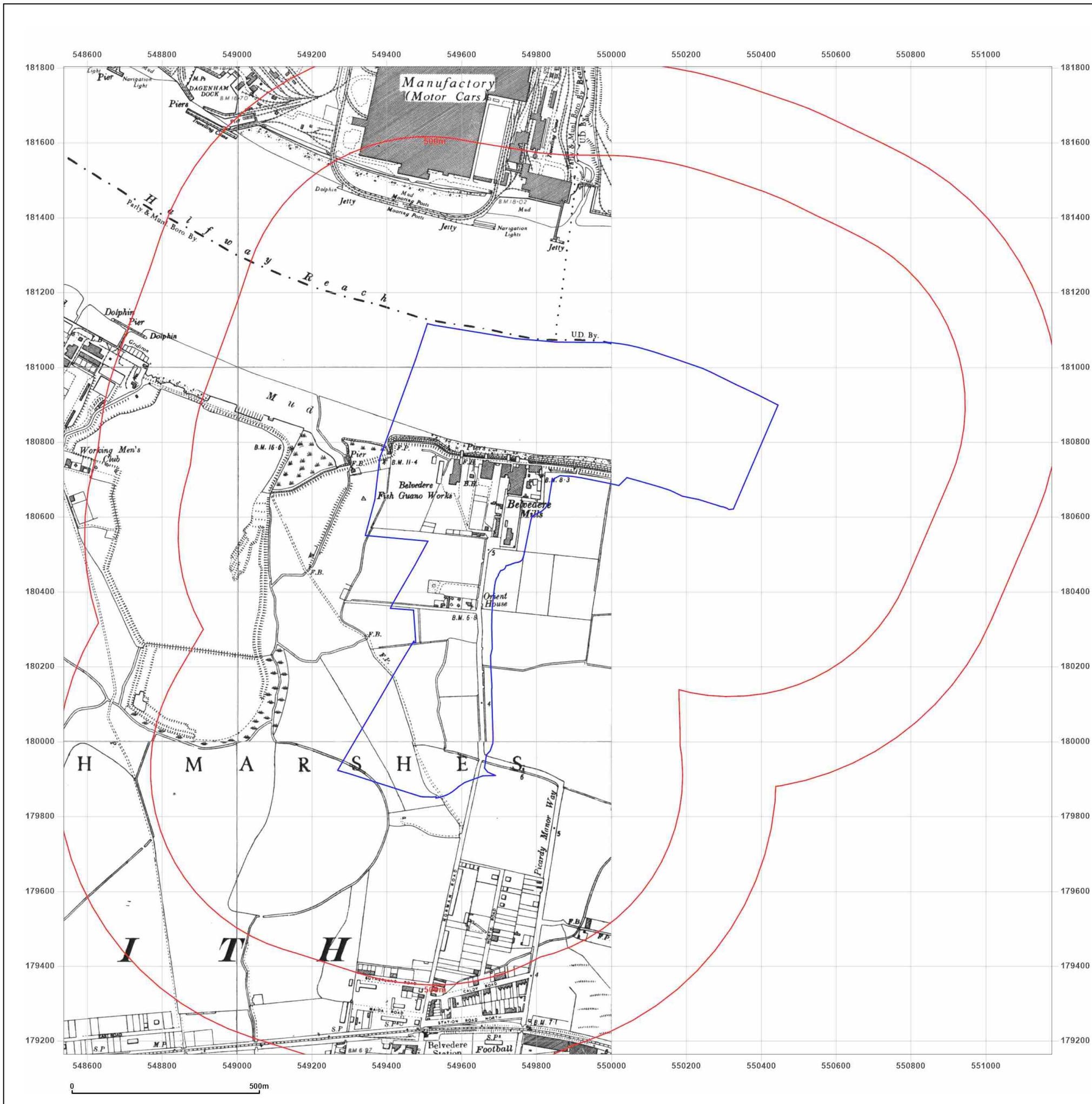


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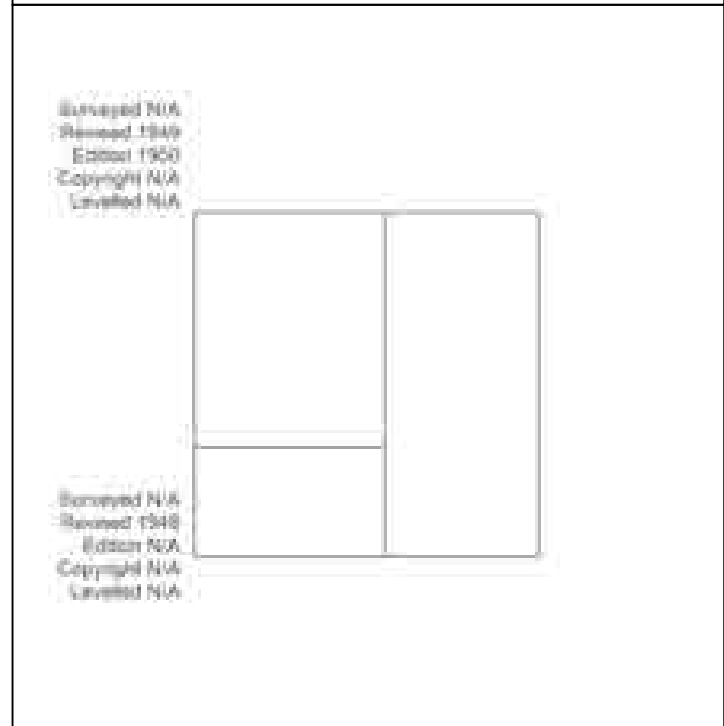
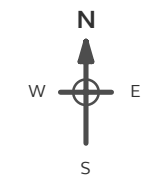
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Site Details:
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Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: Provisional
Map date: 1948-1950
Scale: 1:10,560
Printed at: 1:10,560

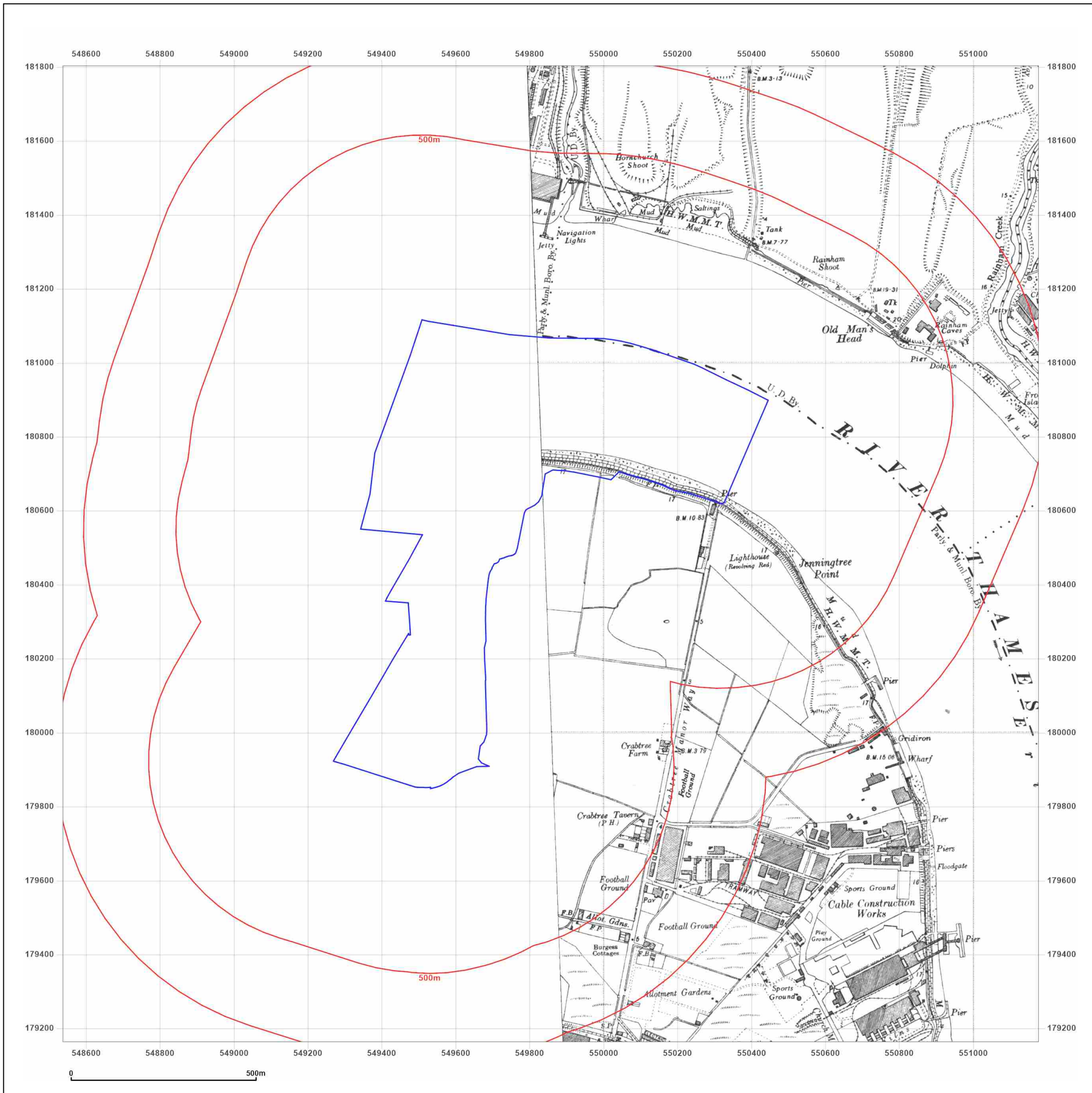


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44474817

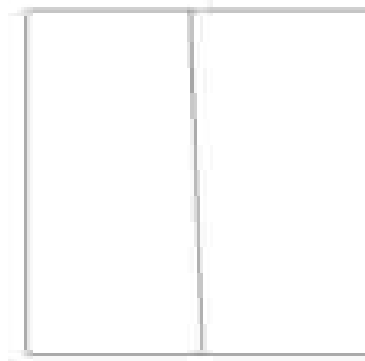
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Grid Ref: 549856, 180483

Map Name: County Series

Map date: 1951

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1883
Revised 1898
Ed. 1951
Copyright N/A
Landed 1929

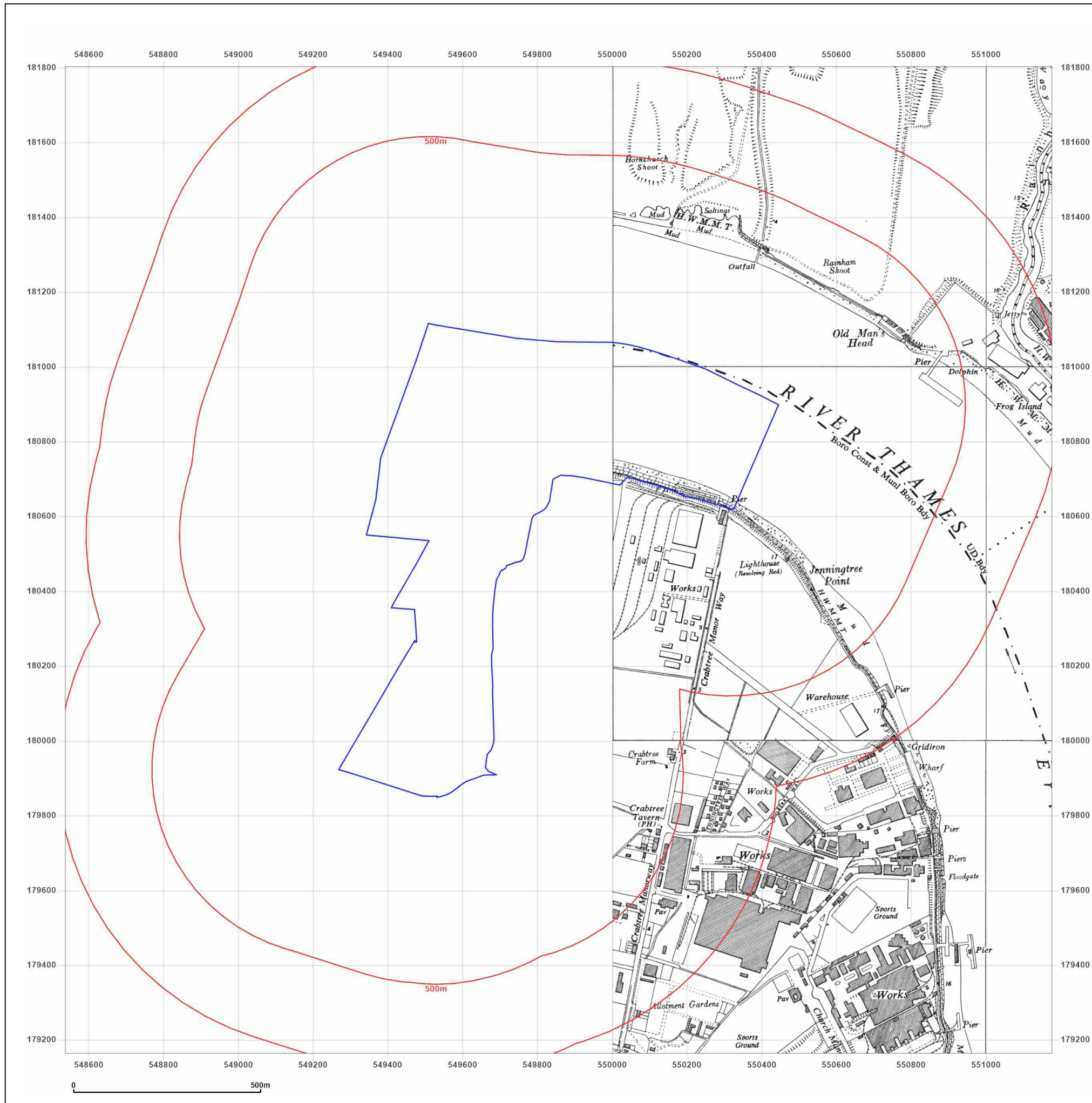


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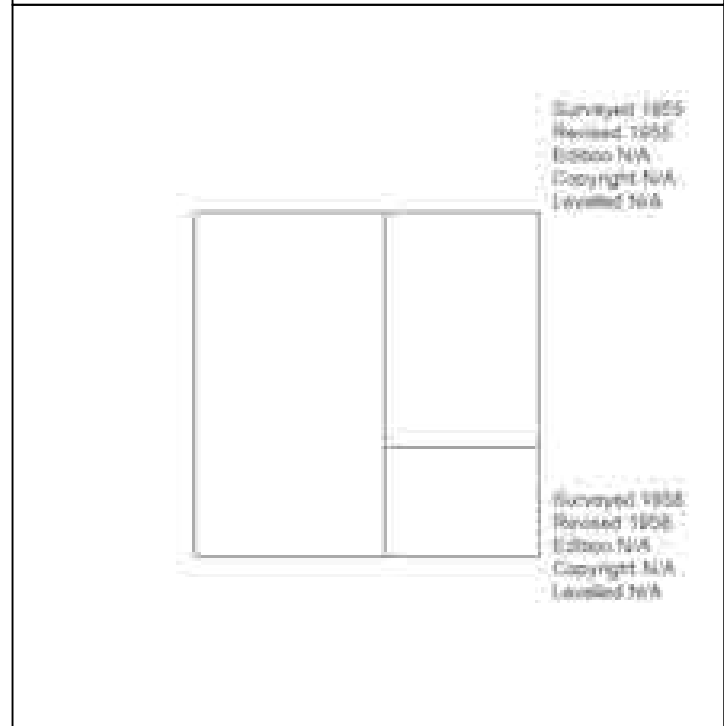
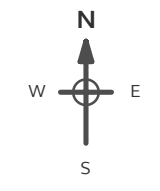
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Site Details:
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Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: Provisional
Map date: 1955-1958
Scale: 1:10,560
Printed at: 1:10,560



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Map legend available at:



Site Details:

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44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: Provisional

Map date: 1966-1969

Scale: 1:10,560

Printed at: 1:10,560



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<p>Surveyed 1968 Revised 1968 Edition N/A Copyright N/A Licensed N/A</p>	<p>Surveyed 1967 Revised 1967 Edition N/A Copyright N/A Licensed N/A</p>



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Site Details:

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Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: National Grid

Map date: 1973-1974

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1973 Revised 1974 Edition N/A Copyright N/A Labelled N/A	Surveyed 1973 Revised 1974 Edition N/A Copyright N/A Labelled N/A
Surveyed 1973 Revised 1974 Edition N/A Copyright N/A Labelled N/A	Surveyed 1973 Revised 1974 Edition N/A Copyright N/A Labelled N/A

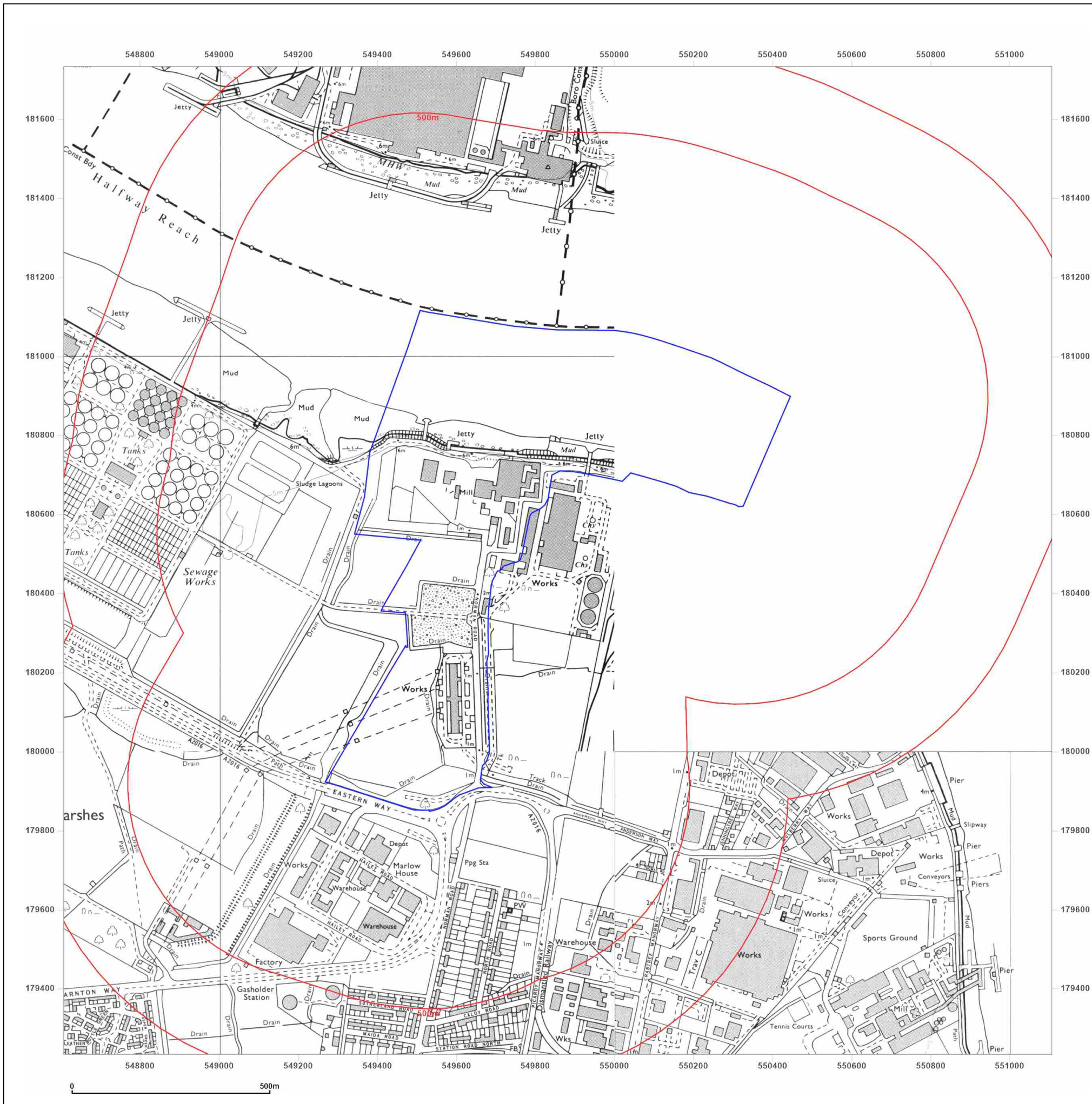


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Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: National Grid

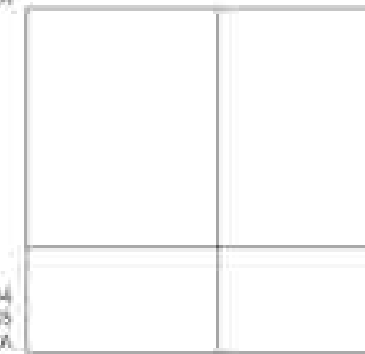
Map date: 1983-1985

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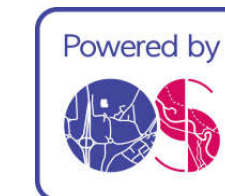


Surveyed 1983
Revised 1983
Edition N/A
Copyright N/A
Labelled N/A



Surveyed 1984
Revised 1985
Edition N/A
Copyright N/A
Labelled N/A

Surveyed 1984
Revised 1985
Edition N/A
Copyright N/A
Labelled N/A

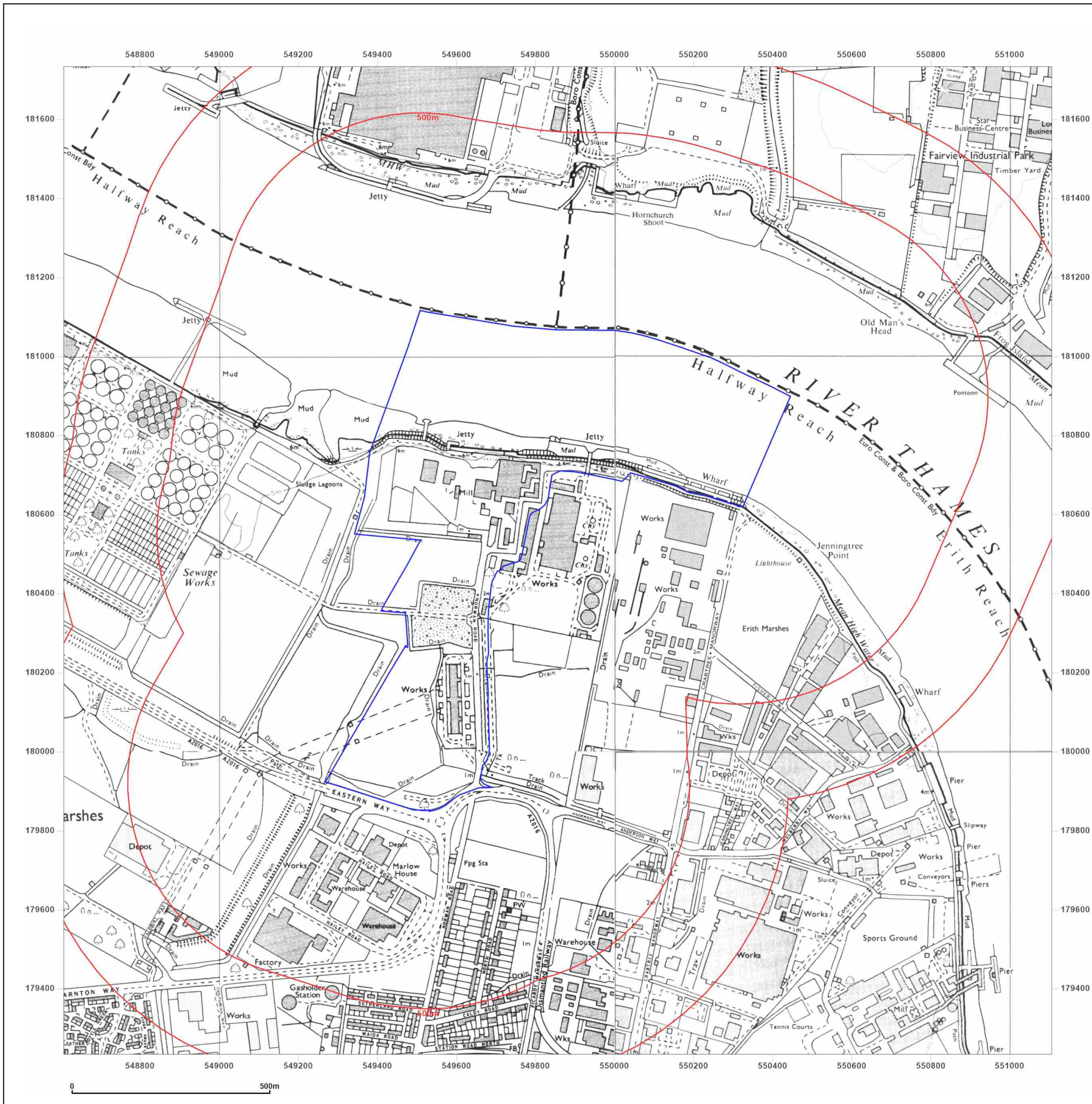


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Production date: 12 September 2023

Map legend available at:



Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: National Grid

Map date: 1992-1995

Scale: 1:10,000

Printed at: 1:10,000



<p>Surveyed 1983 Revised 1995 Edition N/A Copyright N/A Labeled N/A</p>	<p>Surveyed 1973 Revised 1995 Edition N/A Copyright N/A Labeled N/A</p>
<p>Surveyed 1944 Revised 1995 Edition N/A Copyright N/A Labeled N/A</p>	<p>Surveyed 1984 Revised 1995 Edition N/A Copyright N/A Labeled N/A</p>



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Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG
Grid Ref: 549856, 180483

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Map legend available at:



Site Details:

549748.9002713361,180627.41
44474817

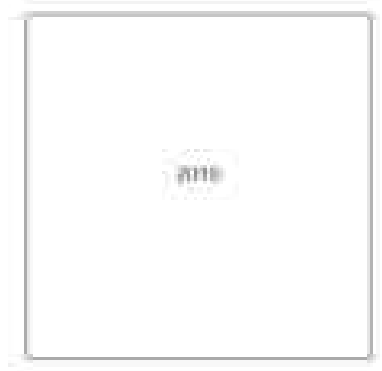
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Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

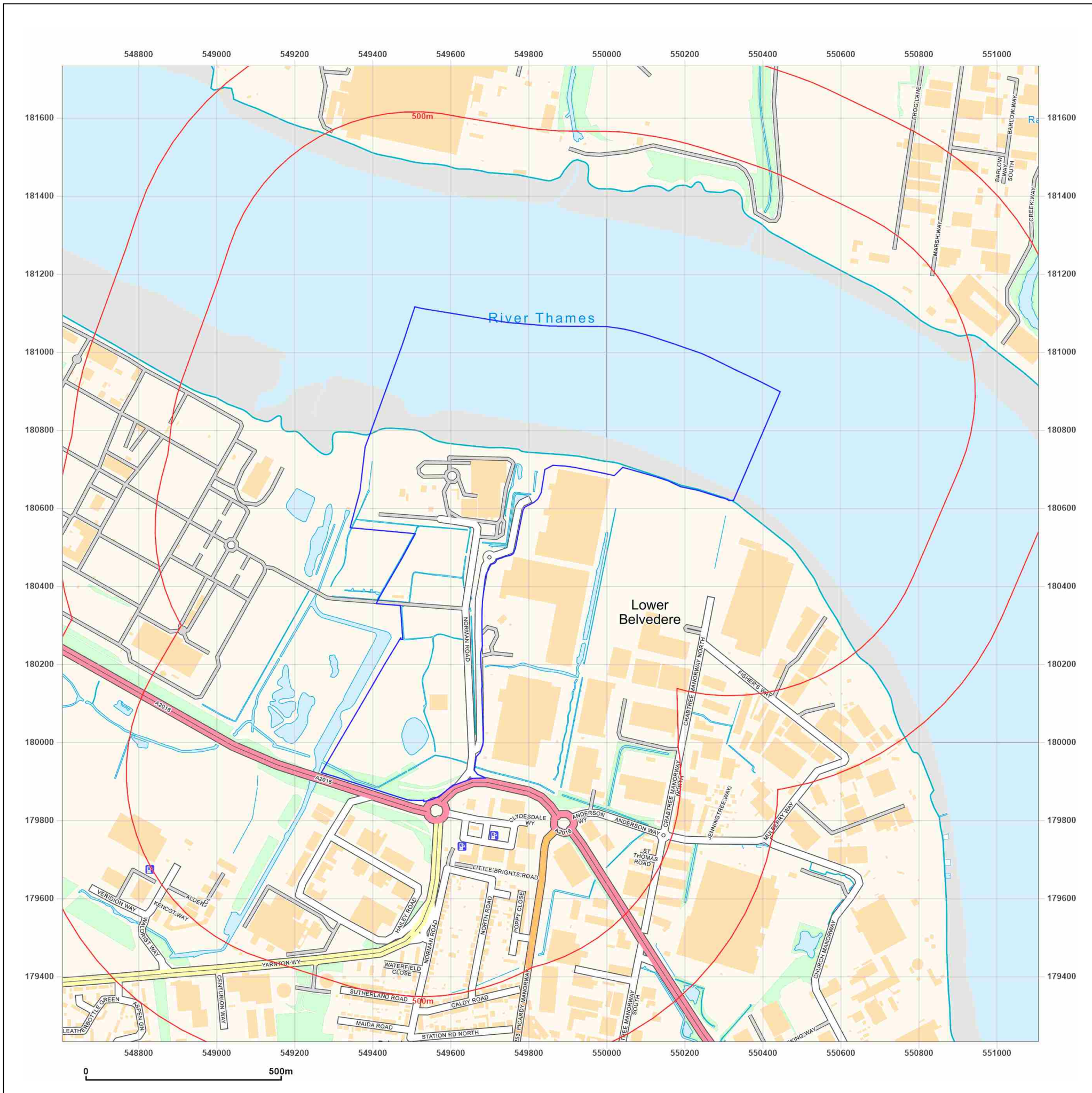


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Site Details:

549748.9002713361,180627.41
44474817

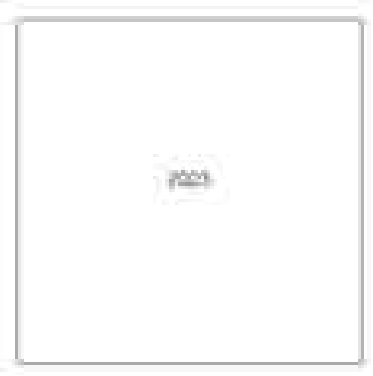
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Map Name: National Grid

Map date: 2023

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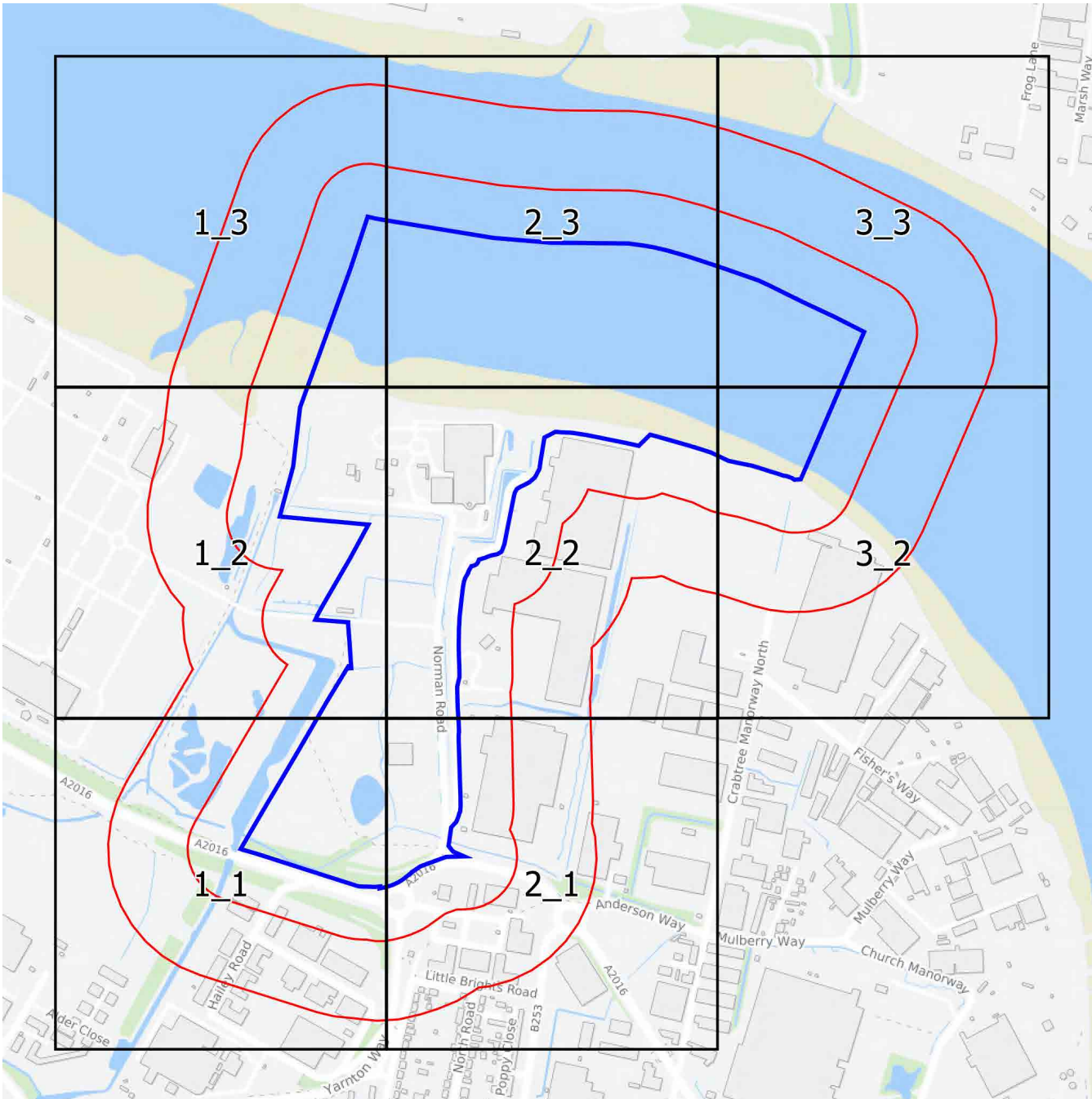


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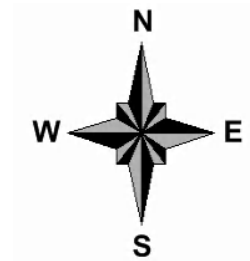
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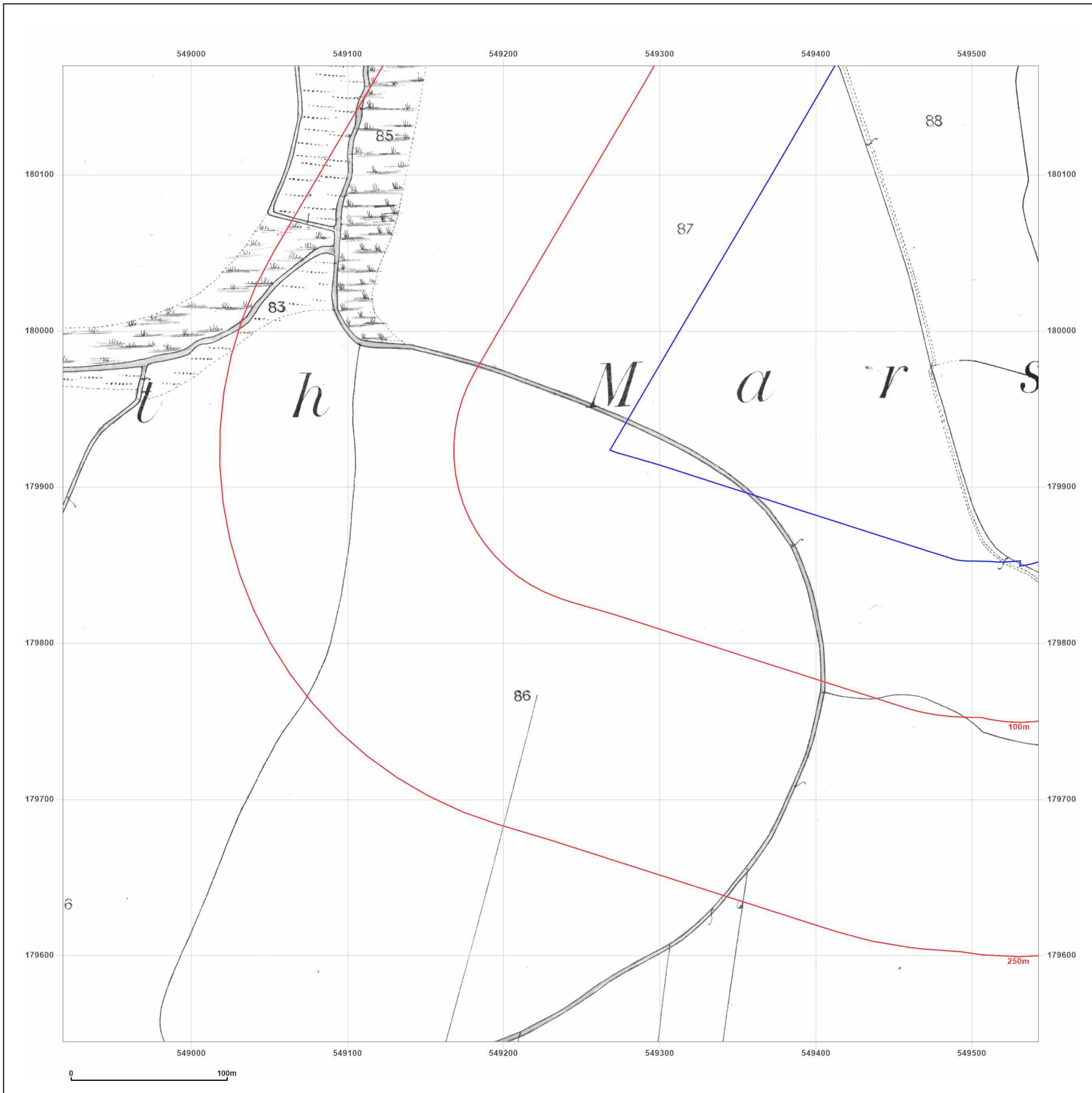
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1:2,500 Scale Grid Index

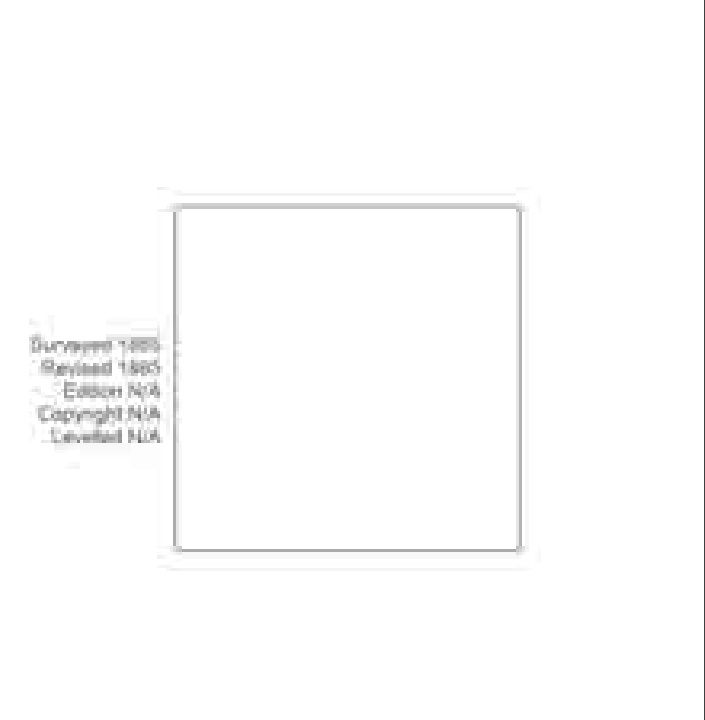




Site Details:
 549748.9002713361,180627.41
 44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_1
Grid Ref: 549230, 179857

Map Name: County Series
Map date: 1865
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1865
 Revised 1865
 Edition N/A
 Copyright N/A
 Levelled N/A

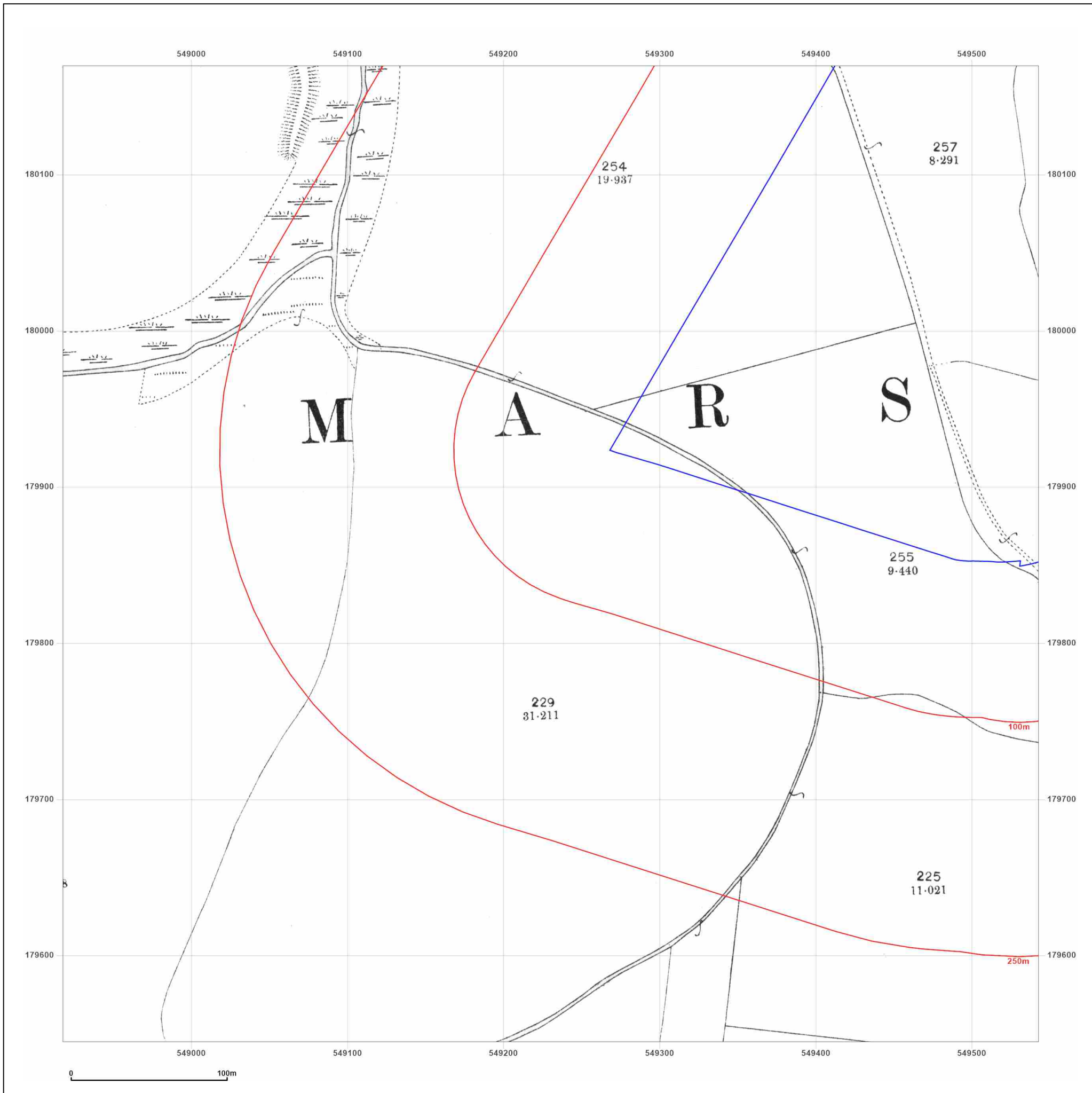


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Production date: 12 September 2023

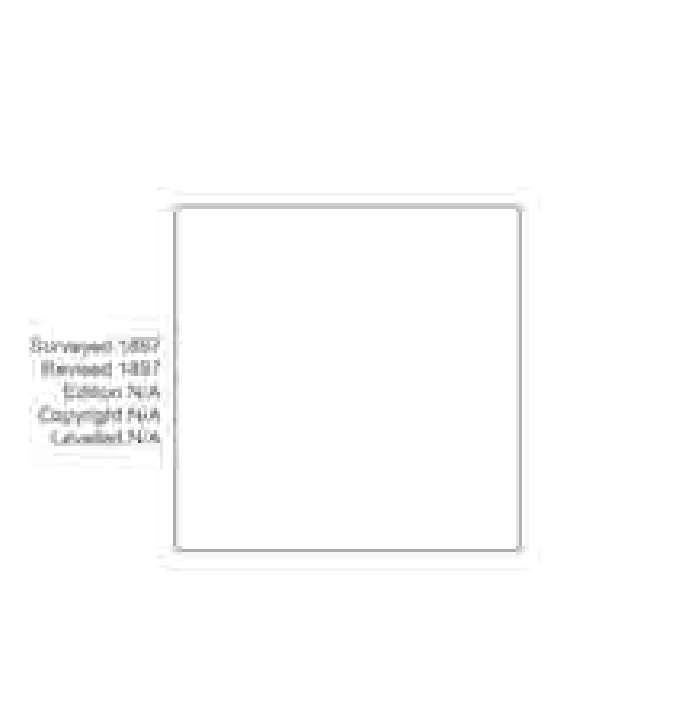
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Site Details:
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 44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_1
Grid Ref: 549230, 179857

Map Name: County Series
Map date: 1897
Scale: 1:2,500
Printed at: 1:2,500

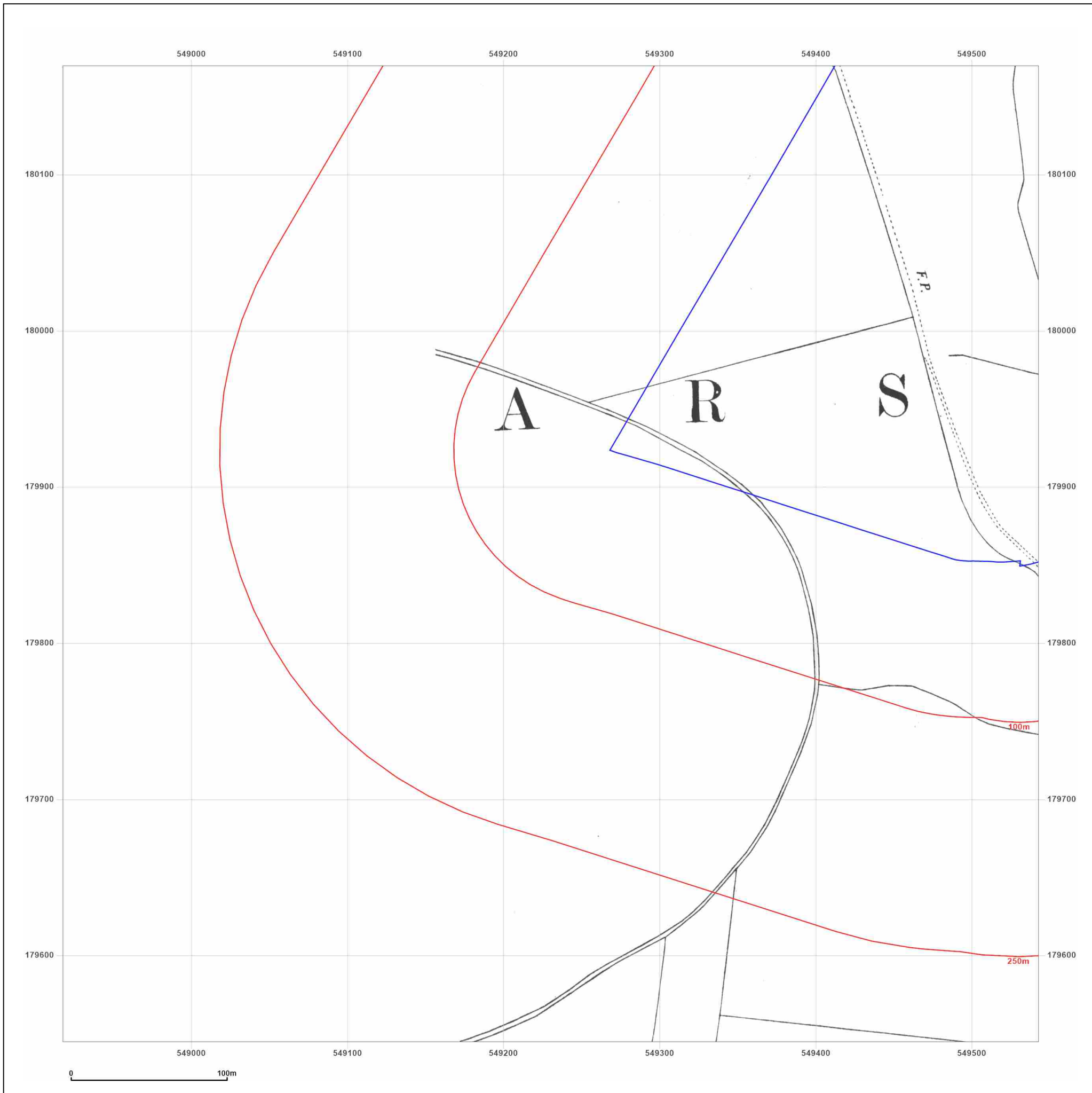


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Site Details:

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44474817

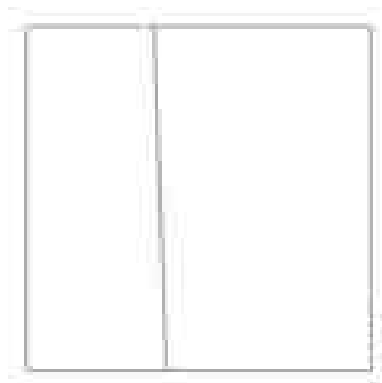
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Map Name: County Series

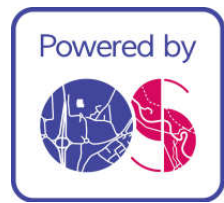
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Printed at: 1:2,500



Downloaded 18/07
Revised 18/07
Edwards N/A
Copyright N/A
Landed 11/18

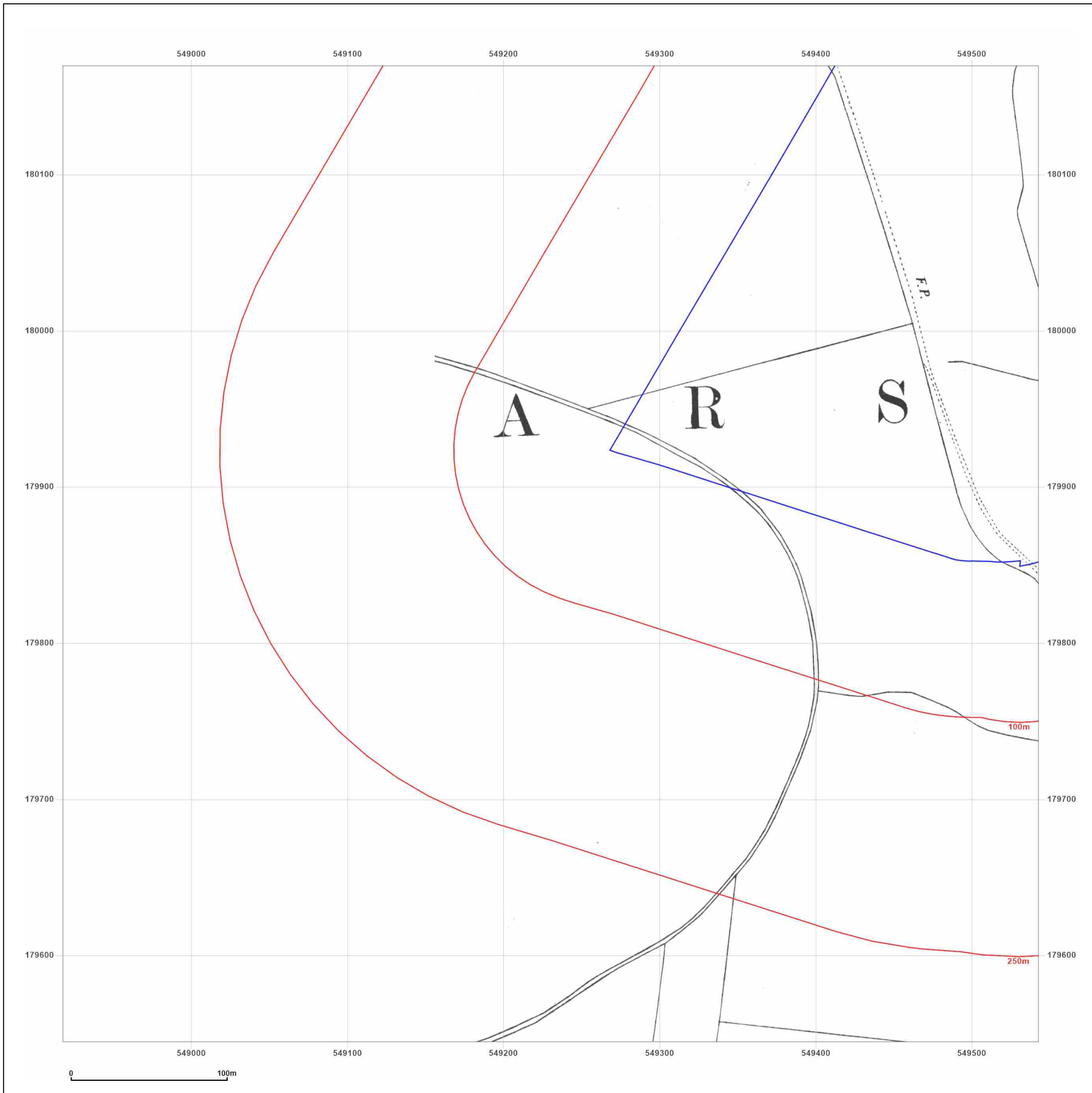


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Production date: 12 September 2023

Map legend available at: XXXXXXXXXX



Site Details:

549748.9002713361,180627.41
44474817

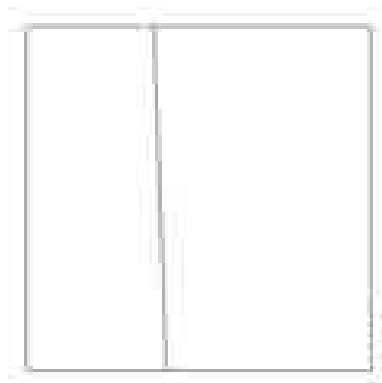
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Grid Ref: 549230, 179857

Map Name: County Series

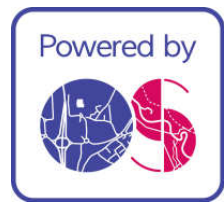
Map date: 1897

Scale: 1:2,500

Printed at: 1:2,500



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Revised 18/07
Edison N/A
Copyright N/A
Labeled N/A

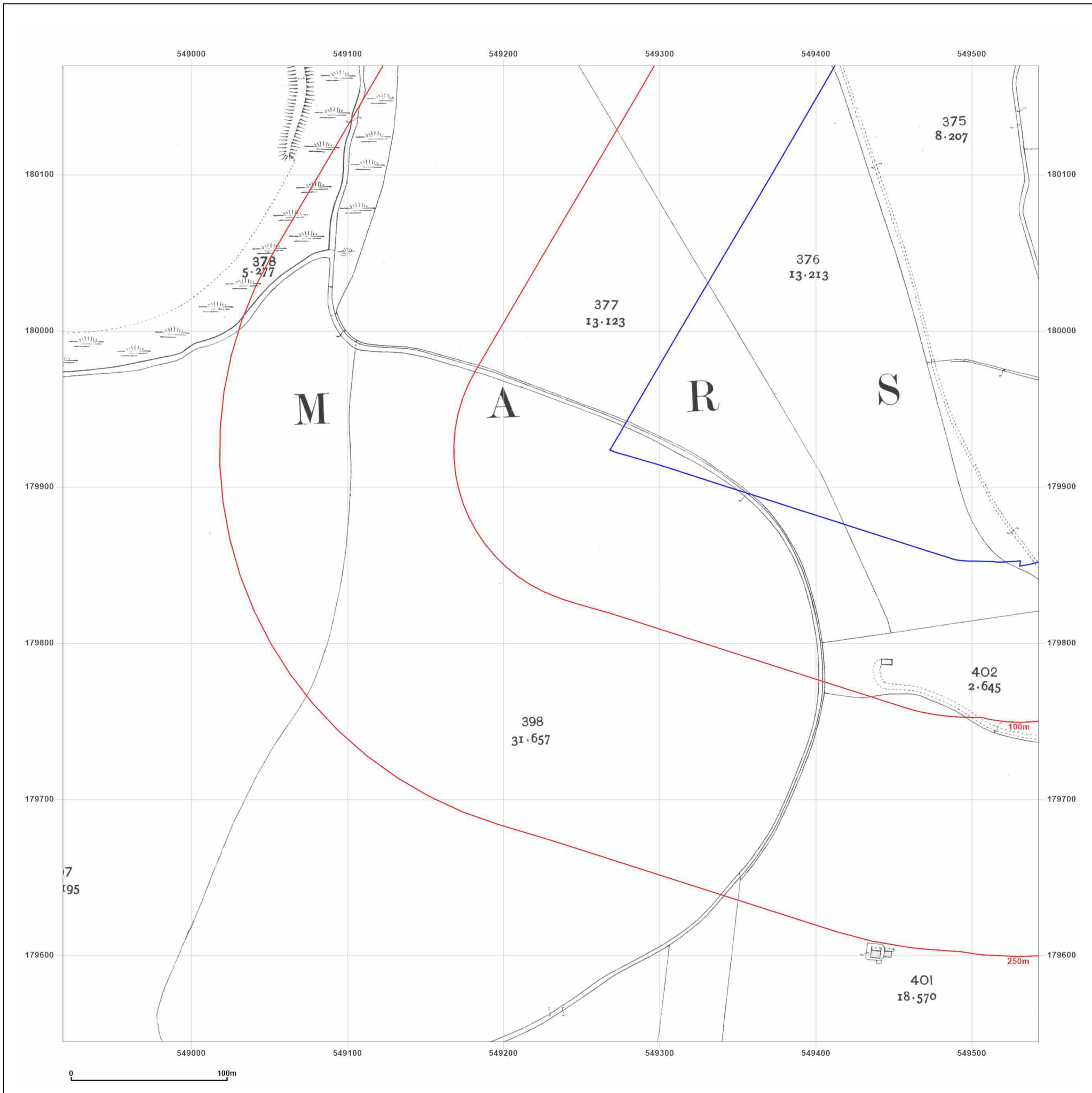


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Map legend available at: XXXXXXXXXX



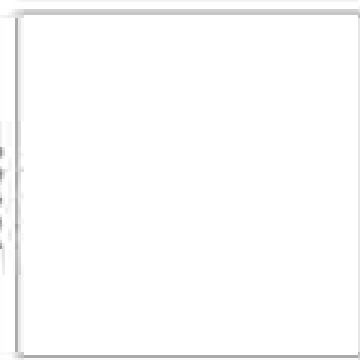
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 44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_1
Grid Ref: 549230, 179857

Map Name: County Series
Map date: 1909
Scale: 1:2,500
Printed at: 1:2,500



Surveyed 1880
 Revised 1909
 Edition N04
 Copyright F04
 Levelled N04

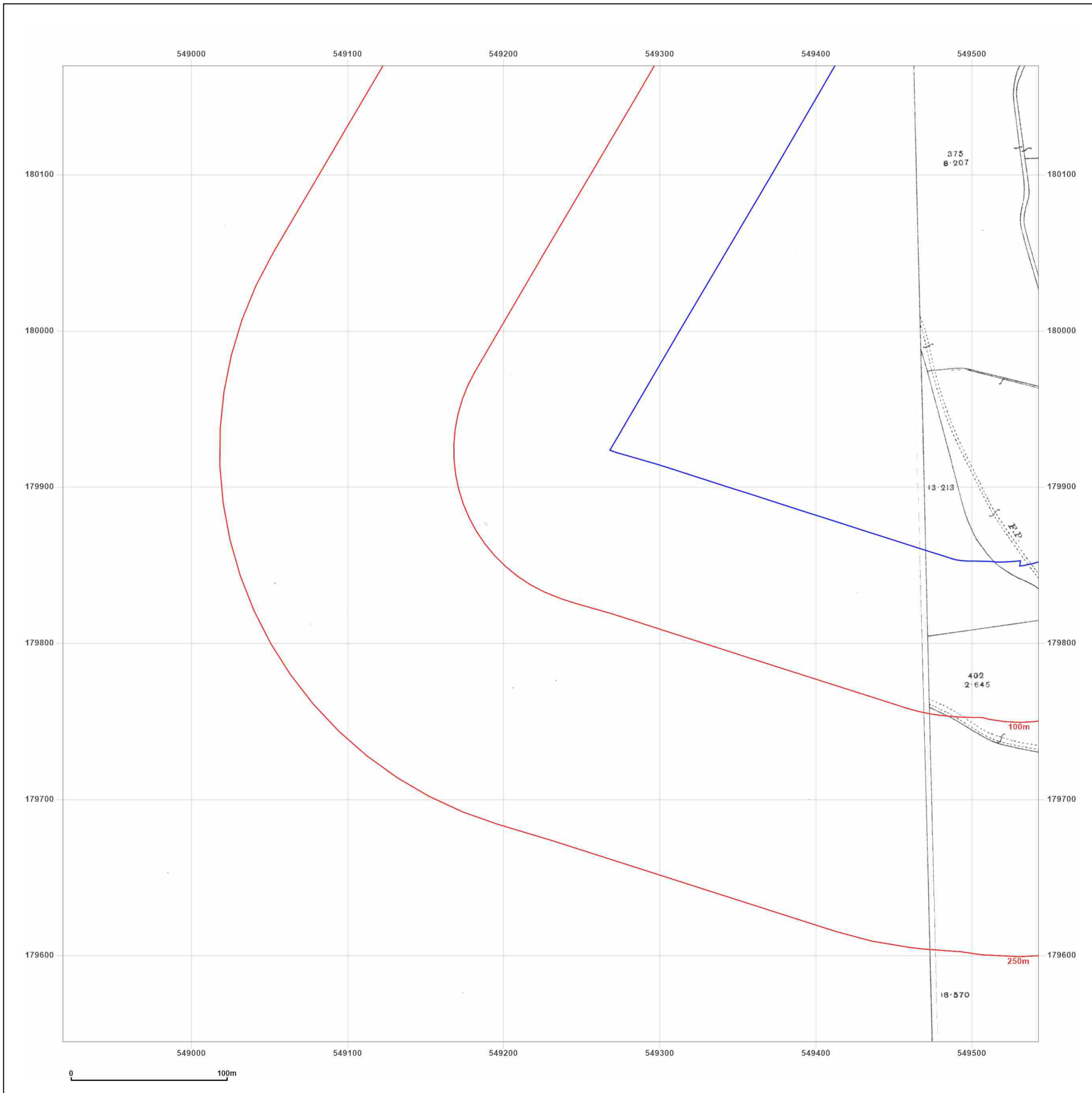


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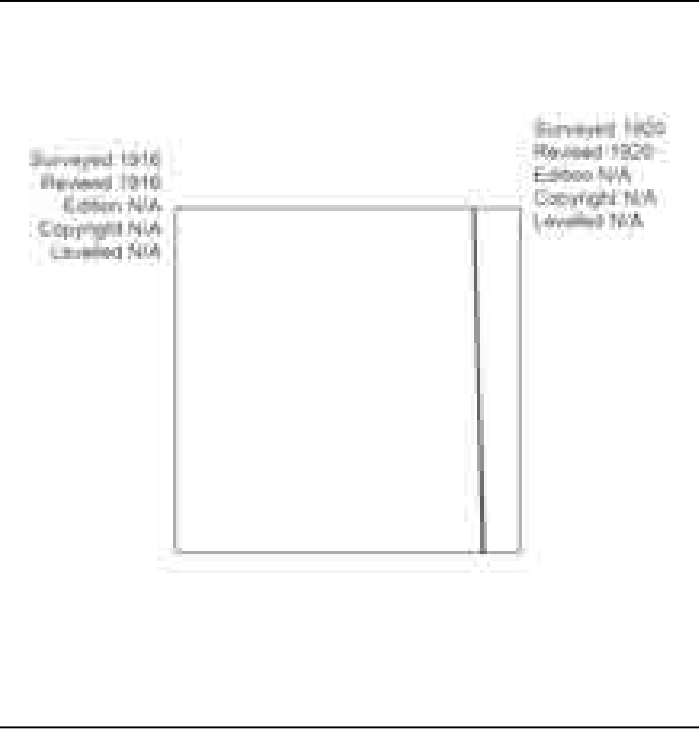
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Site Details:
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 44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_1
Grid Ref: 549230, 179857

Map Name: County Series
Map date: 1916-1920
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Printed at: 1:2,500

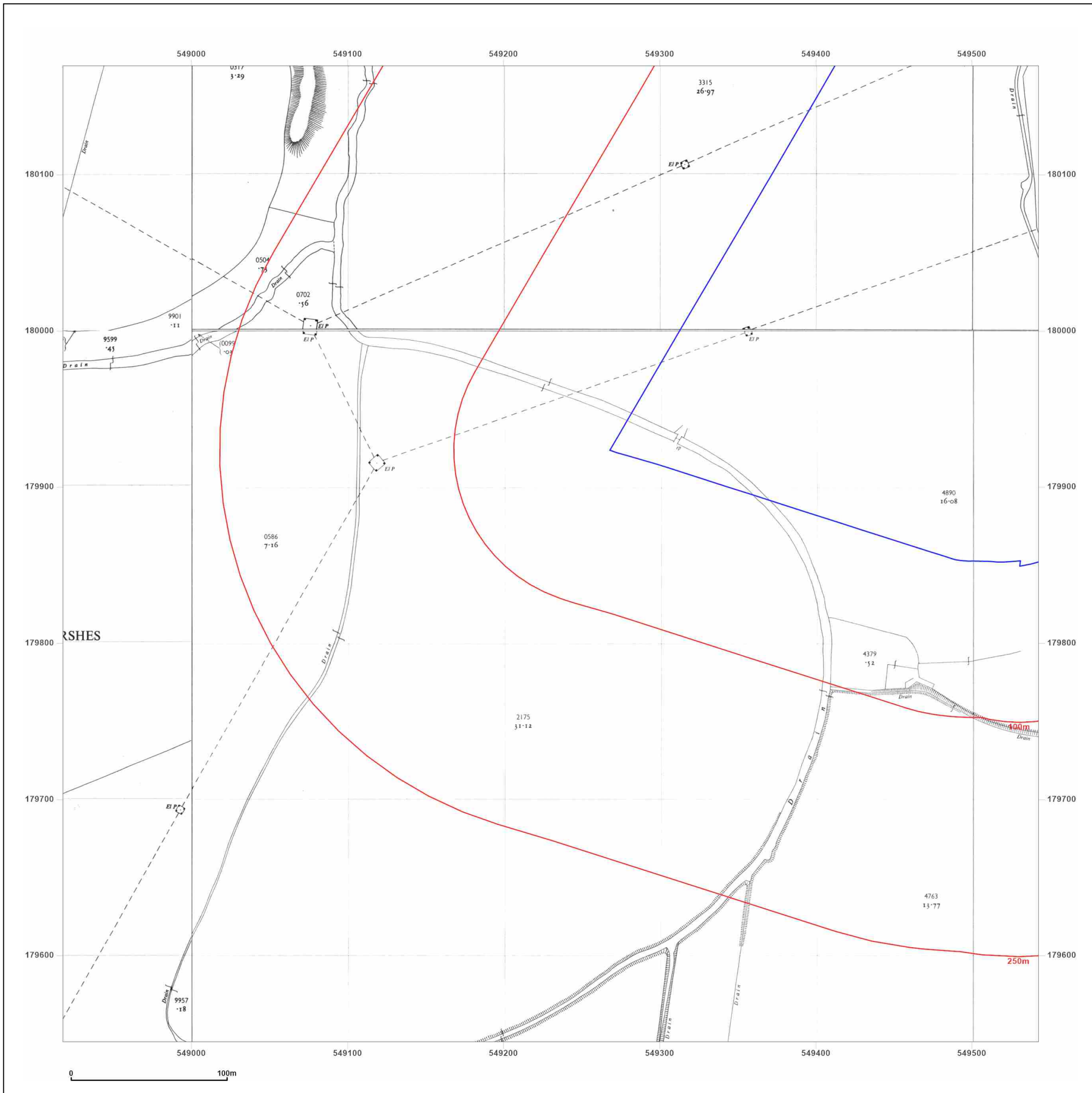


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Production date: 12 September 2023

Map legend available at: XXXXXXXXXX



Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_1
Grid Ref: 549230, 179857

Map Name: National Grid

Map date: 1957

Scale: 1:2,500

Printed at: 1:2,500



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Surveyed 1957 Revised 1957 Edition N/A Copyright N/A Limited N/A	Surveyed 1957 Revised 1957 Edition 1958 Copyright 1958 Limited 1953

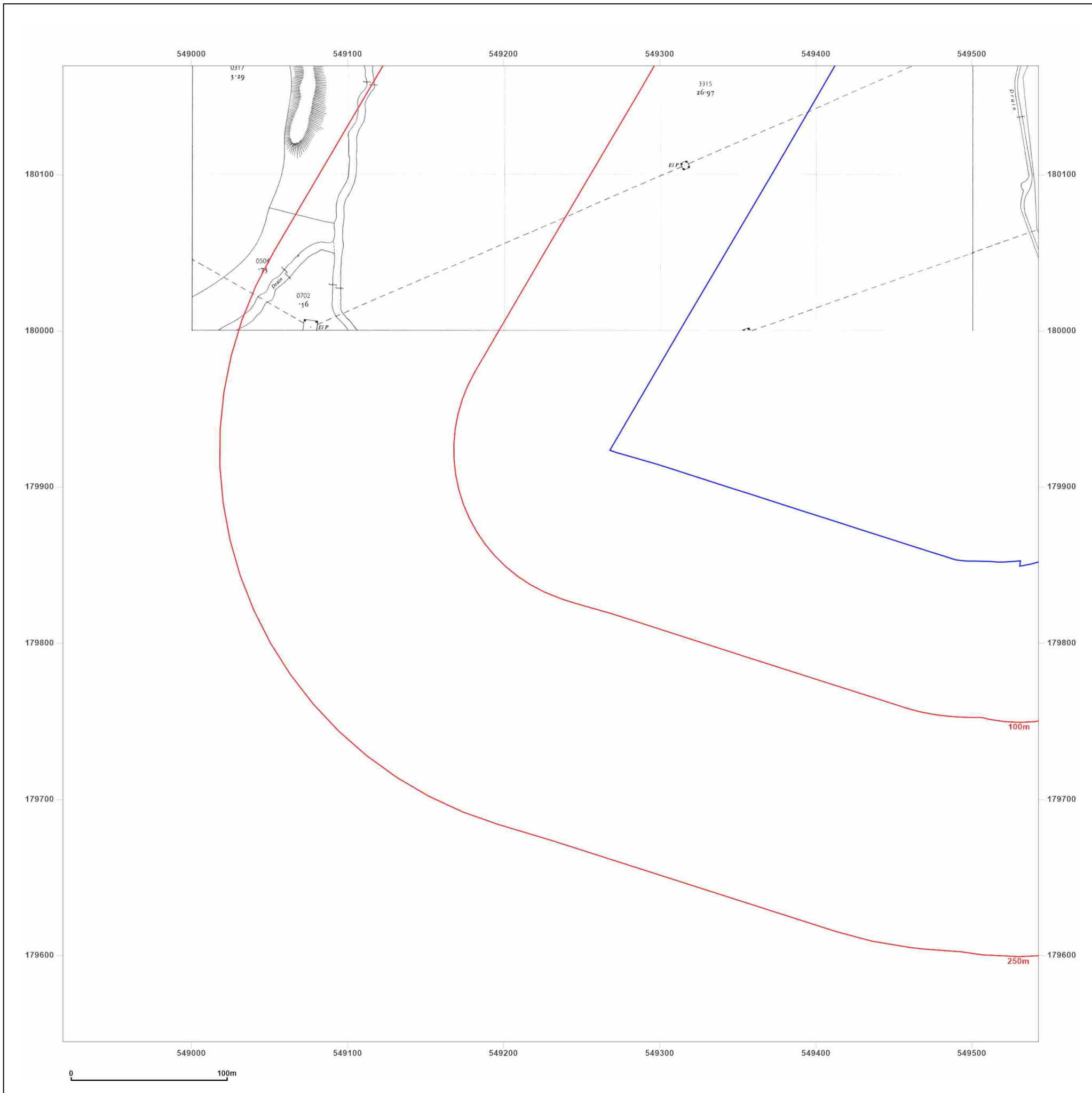


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Production date: 12 September 2023

Map legend available at:



Site Details:

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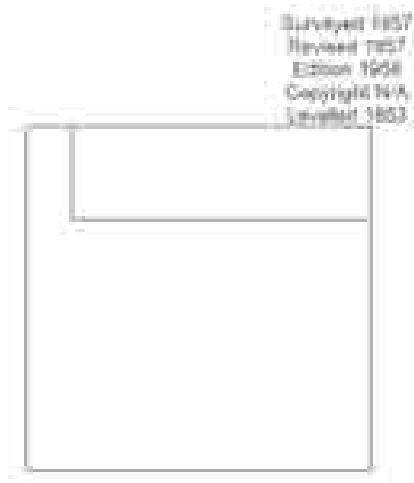
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Map Name: National Grid

Map date: 1957

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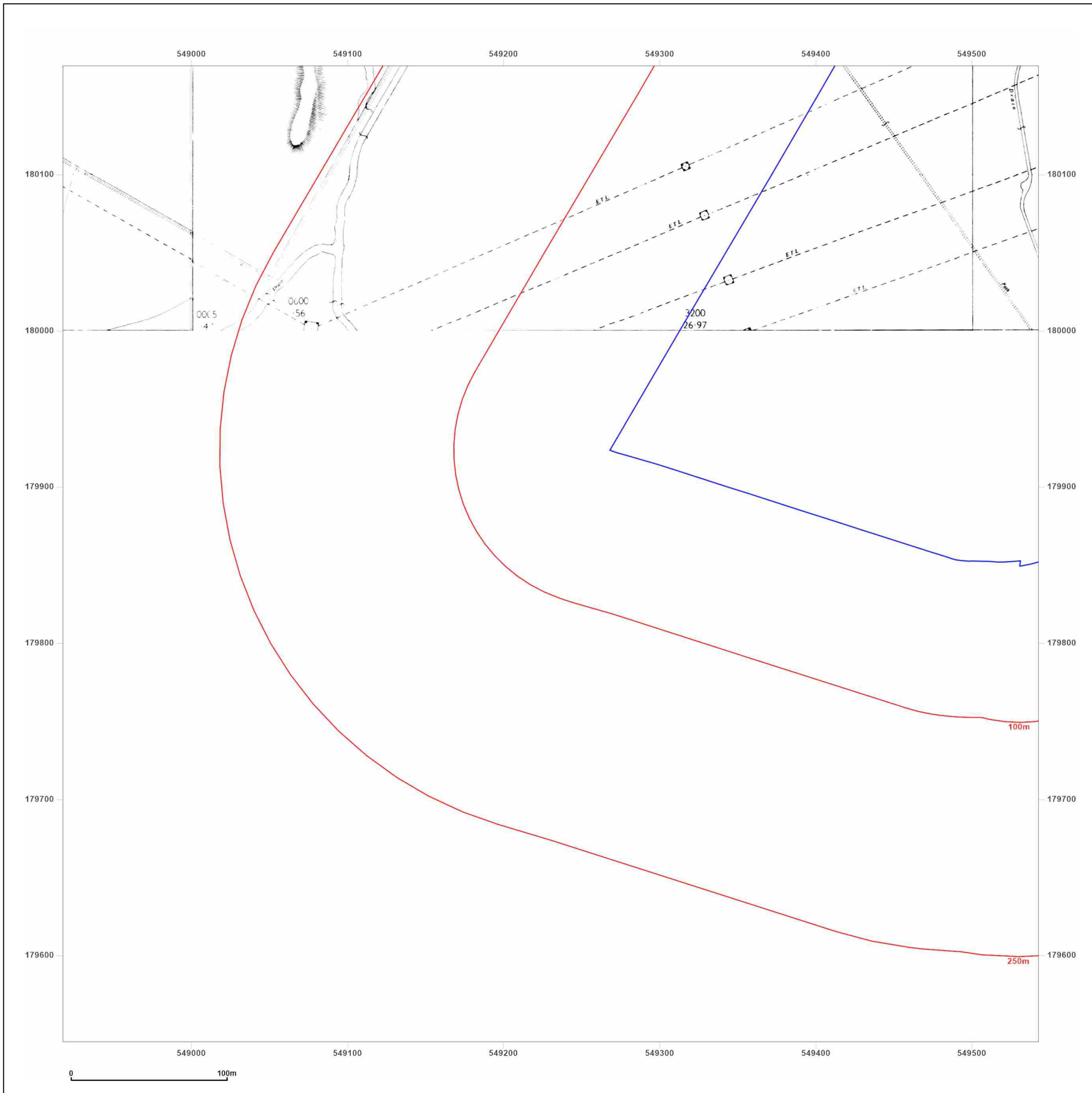


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44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_1
Grid Ref: 549230, 179857

Map Name: National Grid

Map date: 1970

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1957
Revised 1988
Edition 1970
Copyright N/A
Landed N/A

Surveyed N/A
Revised 1968
Edition N/A
Copyright 1970
Landed 1953

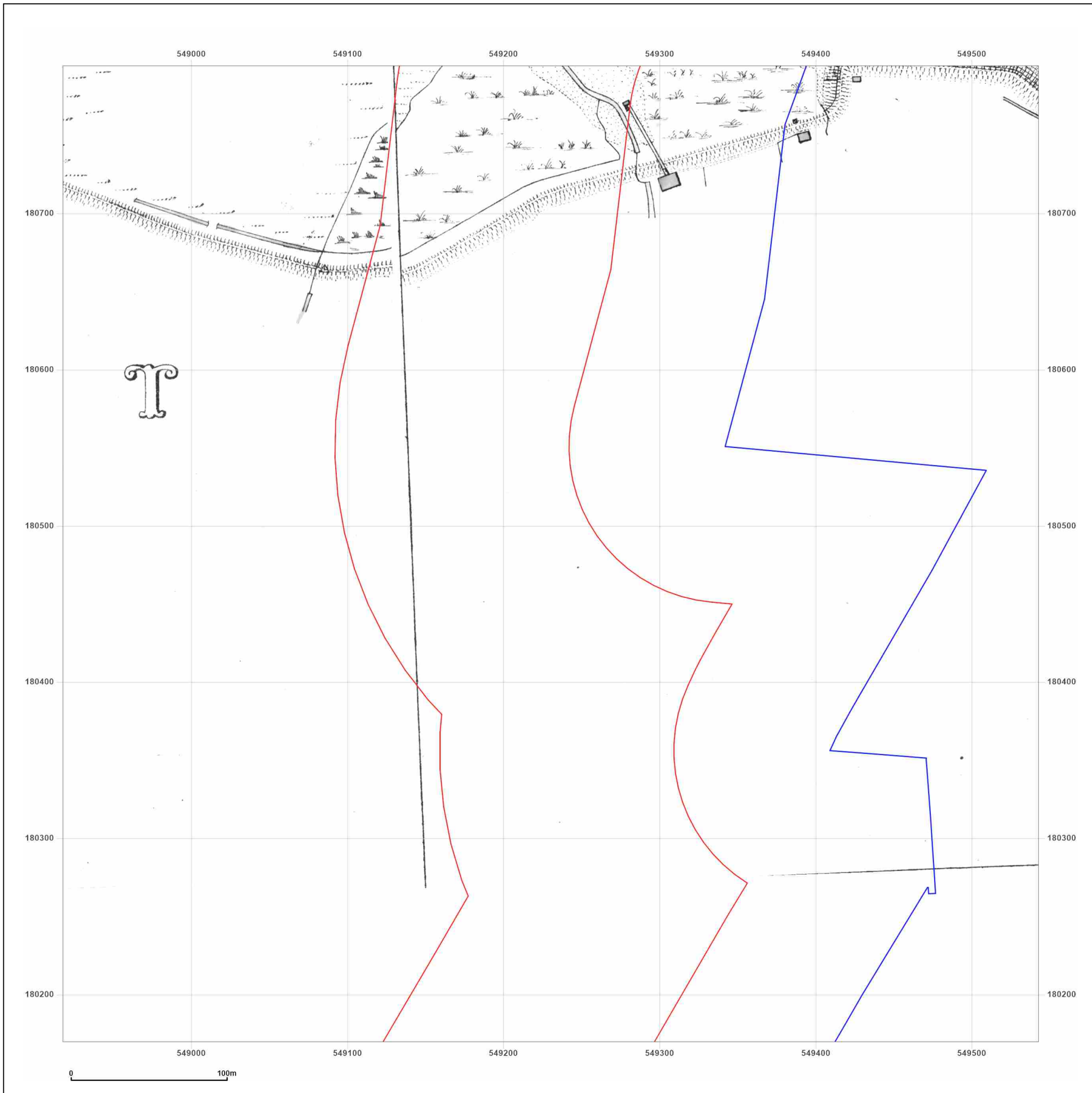


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Production date: 12 September 2023

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Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_2
Grid Ref: 549230, 180482

Map Name: County Series

Map date: 1864

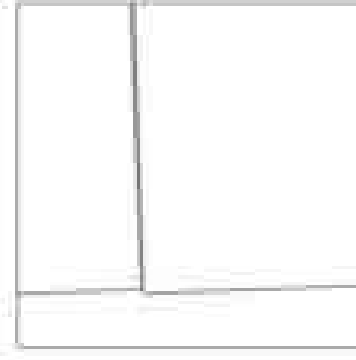
Scale: 1:2,500

Printed at: 1:2,500



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Revised 1864
Edition N/A
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Revised 1864
Edition N/A
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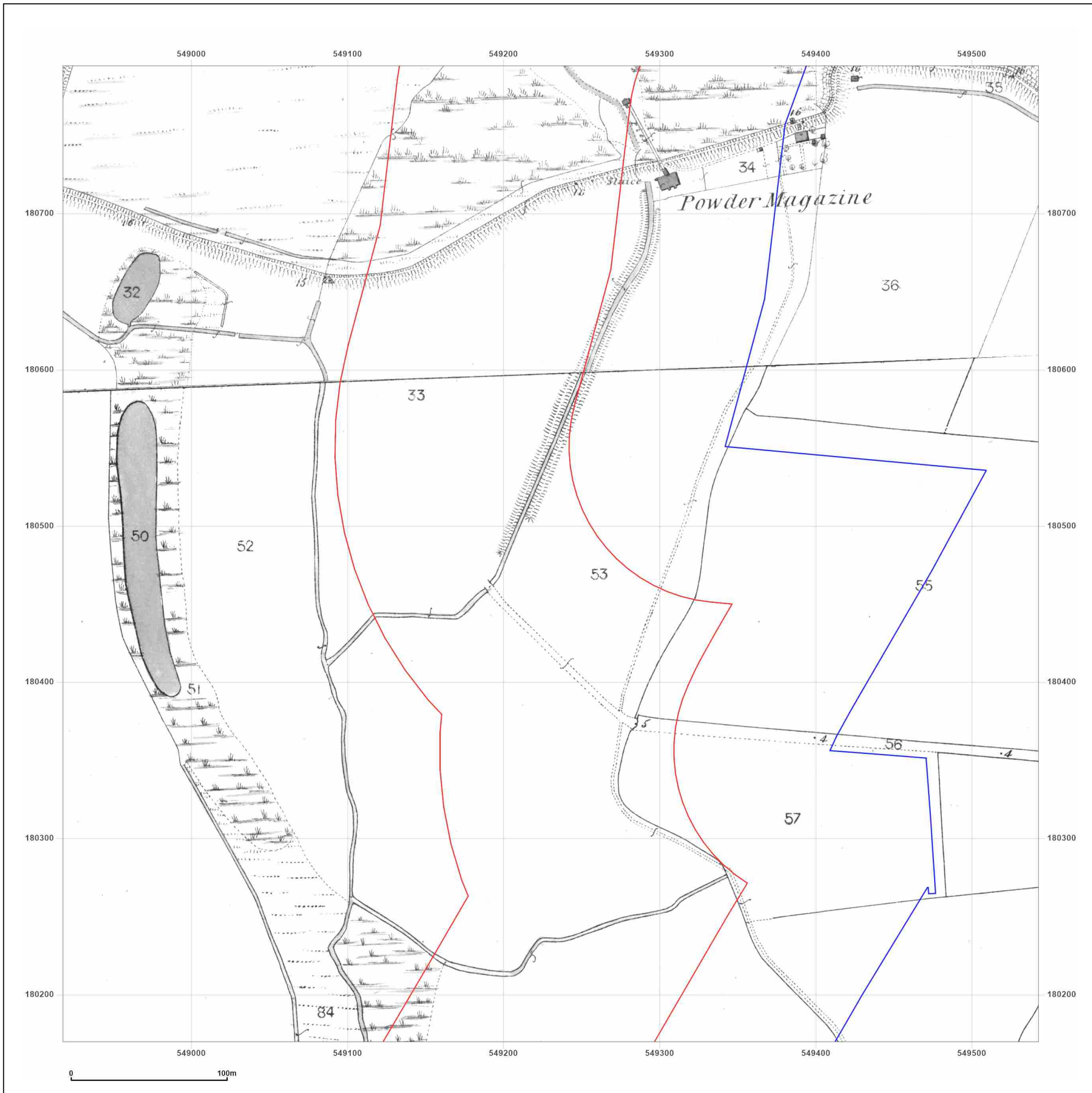


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44474817

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Grid Ref: 549230, 180482

Map Name: County Series

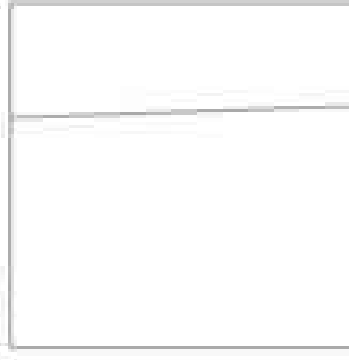
Map date: 1865

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1985
Edition N/A
Copyright N/A
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Surveyed 1885
Revised 1885
Edition N/A
Copyright N/A
Licensed N/A

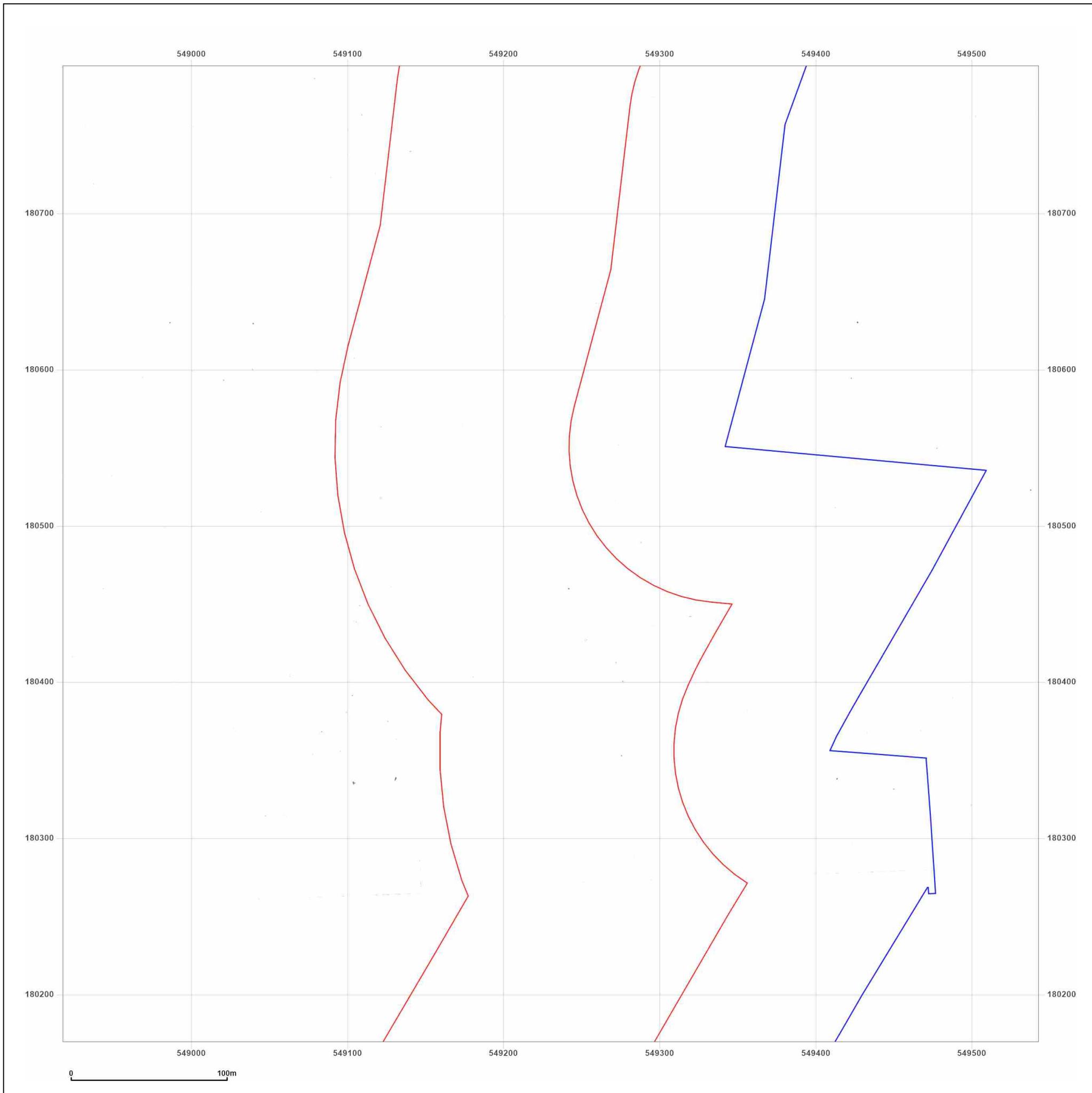


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Production date: 12 September 2023

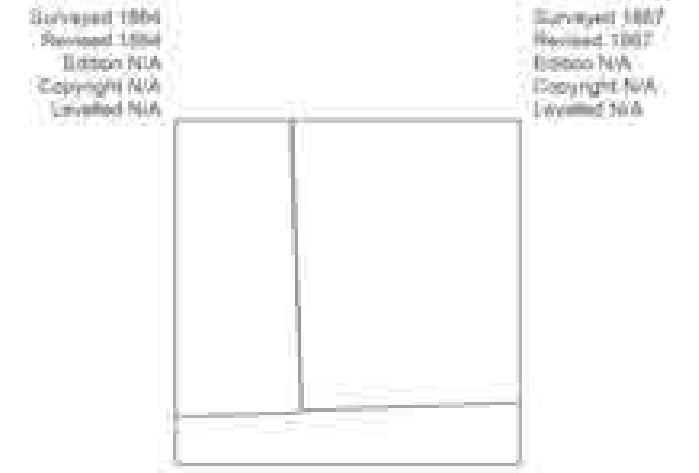
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Site Details:
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 44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_2
Grid Ref: 549230, 180482

Map Name: County Series
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Scale: 1:2,500
Printed at: 1:2,500



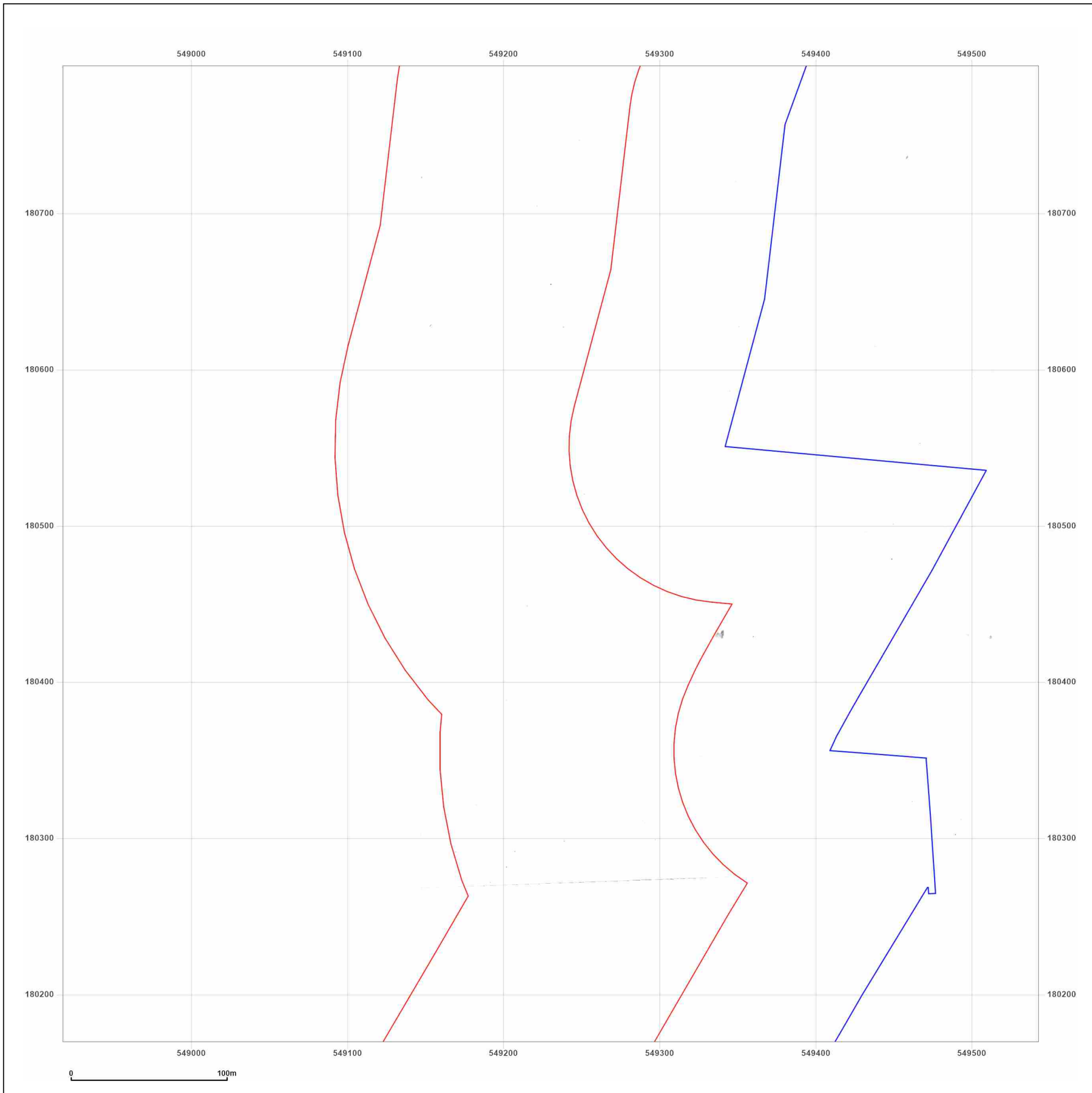
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Production date: 12 September 2023

Map legend available at:
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Site Details:

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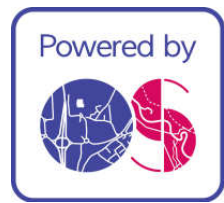
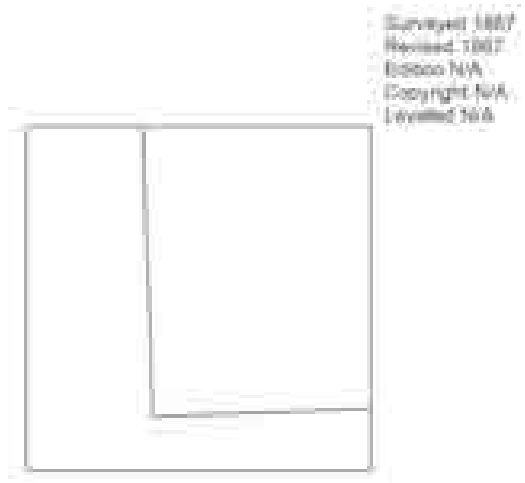
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Grid Ref: 549230, 180482

Map Name: County Series

Map date: 1867

Scale: 1:2,500

Printed at: 1:2,500

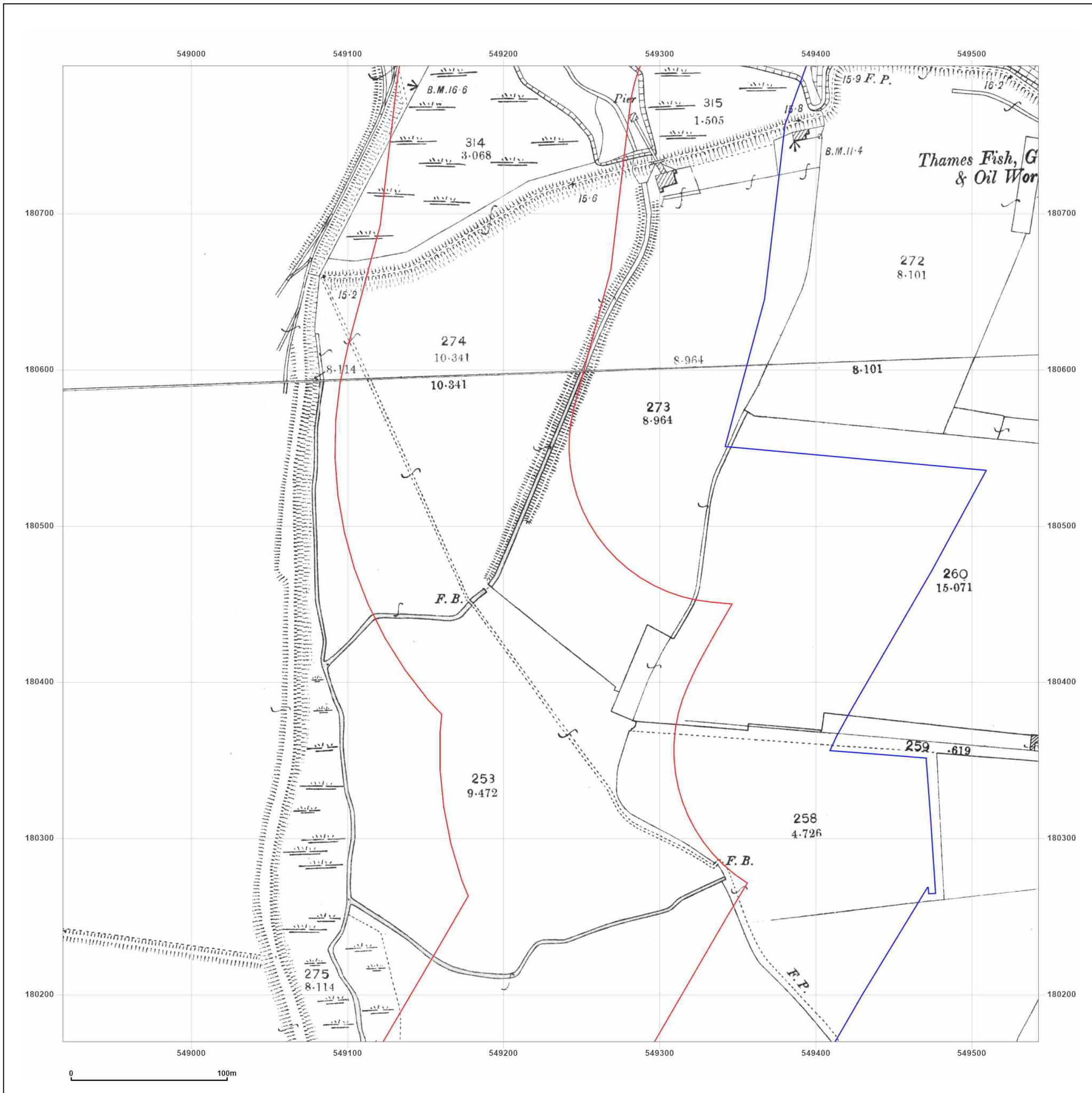


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Production date: 12 September 2023

Map legend available at: XXXXXXXXXX



Site Details:

549748.9002713361,180627.41
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Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_2
Grid Ref: 549230, 180482

Map Name: County Series

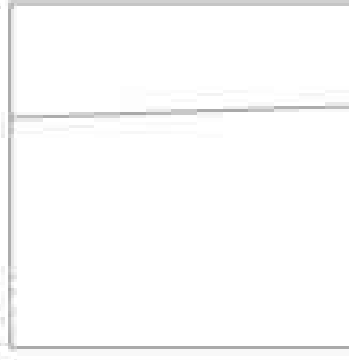
Map date: 1897

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1857
Revised 1857
Edition N/A
Copyright N/A
Licensed N/A



Surveyed 1857
Revised 1857
Edition N/A
Copyright N/A
Licensed N/A

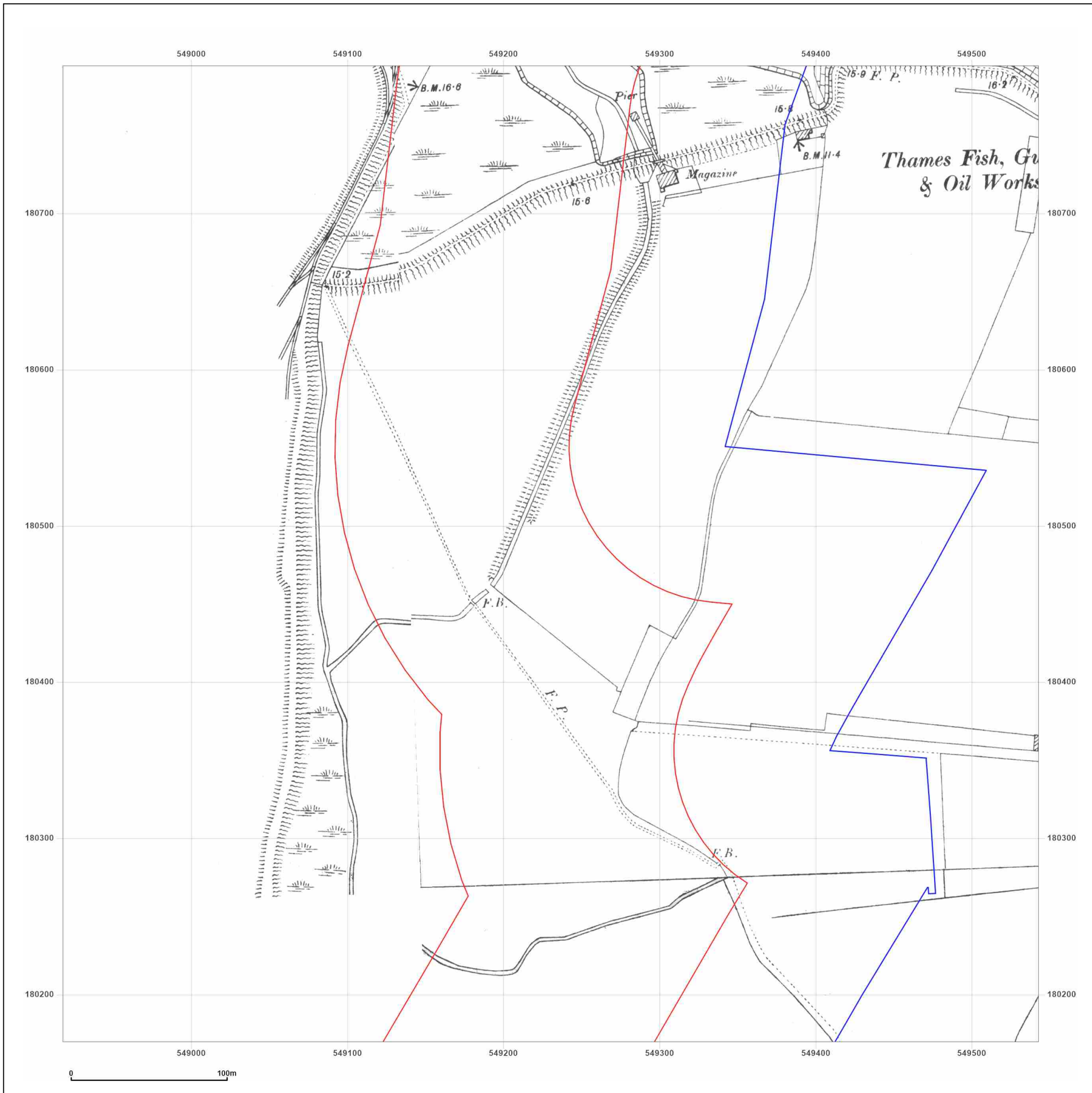


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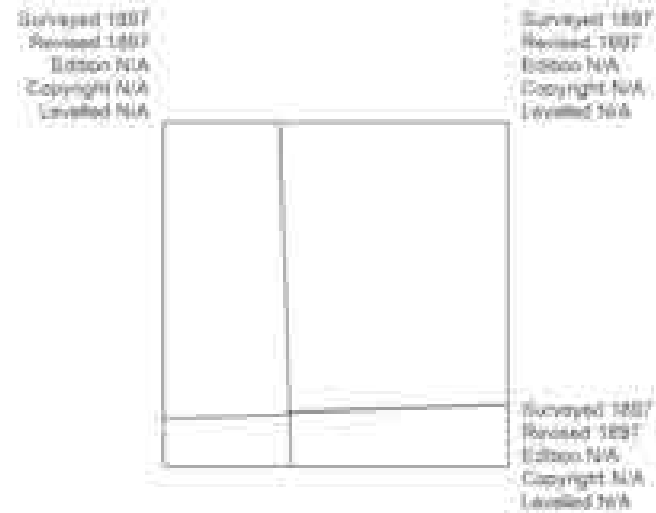
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Printed at: 1:2,500

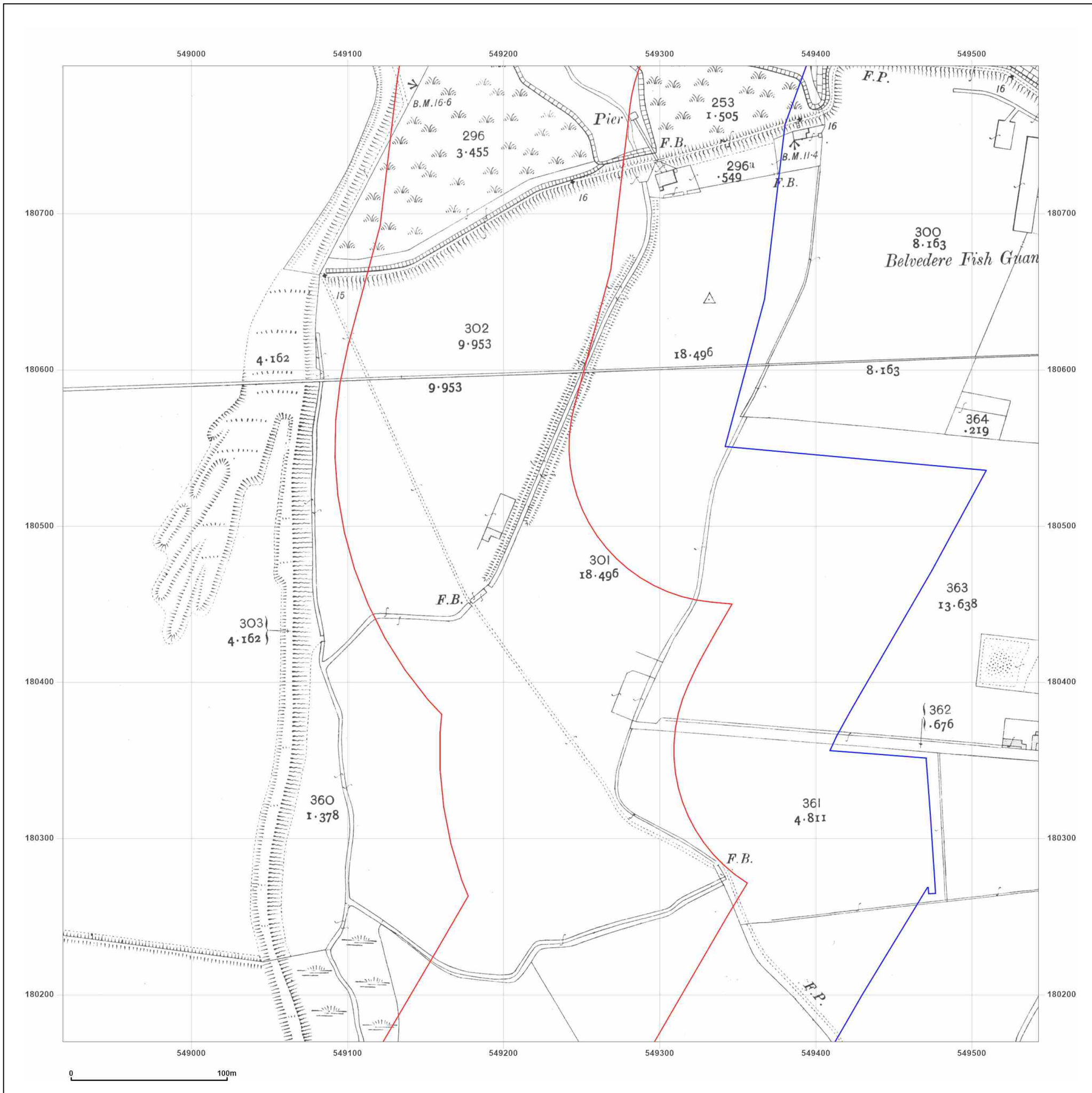


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Production date: 12 September 2023

Map legend available at: XXXXXXXXXX



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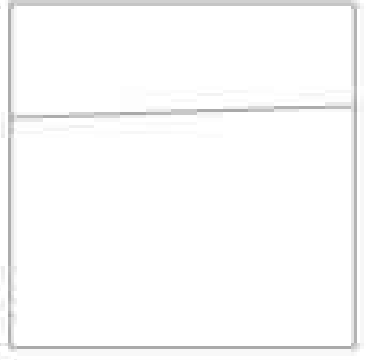
Map date: 1909

Scale: 1:2,500

Printed at: 1:2,500



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Edition N/A
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Revised 1900
Edition N/A
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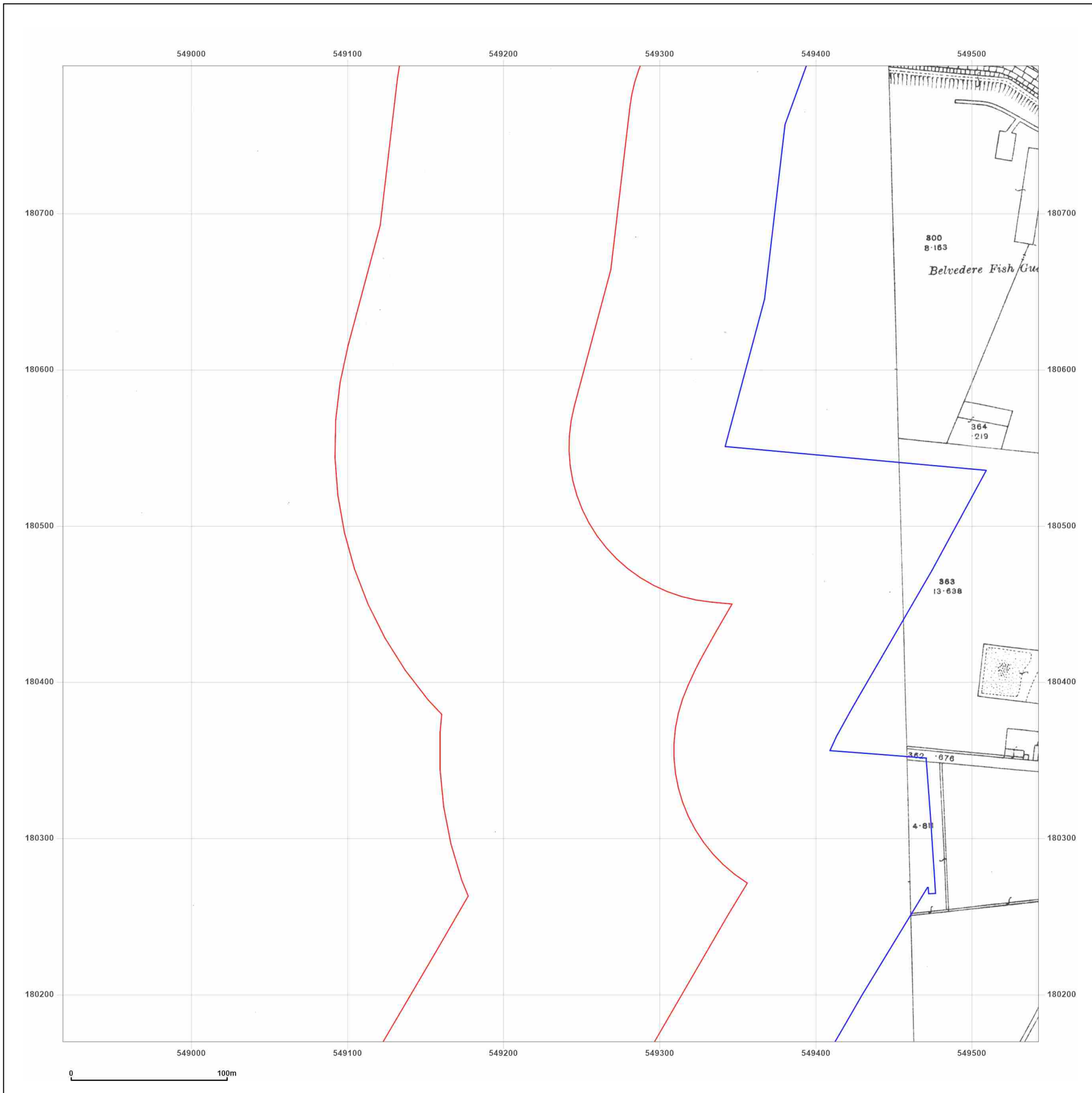


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Production date: 12 September 2023

Map legend available at:



Site Details:

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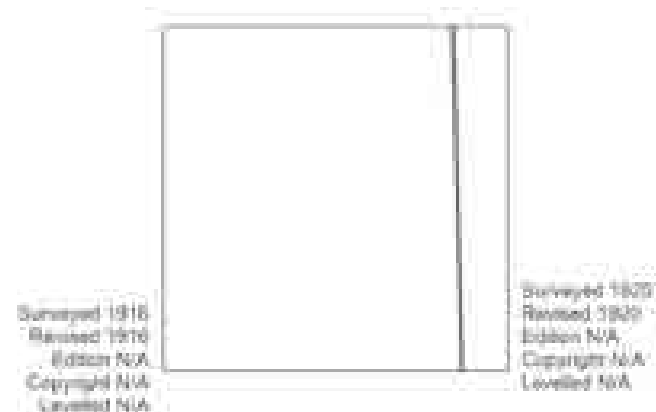
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Grid Ref: 549230, 180482

Map Name: County Series

Map date: 1916-1920

Scale: 1:2,500

Printed at: 1:2,500

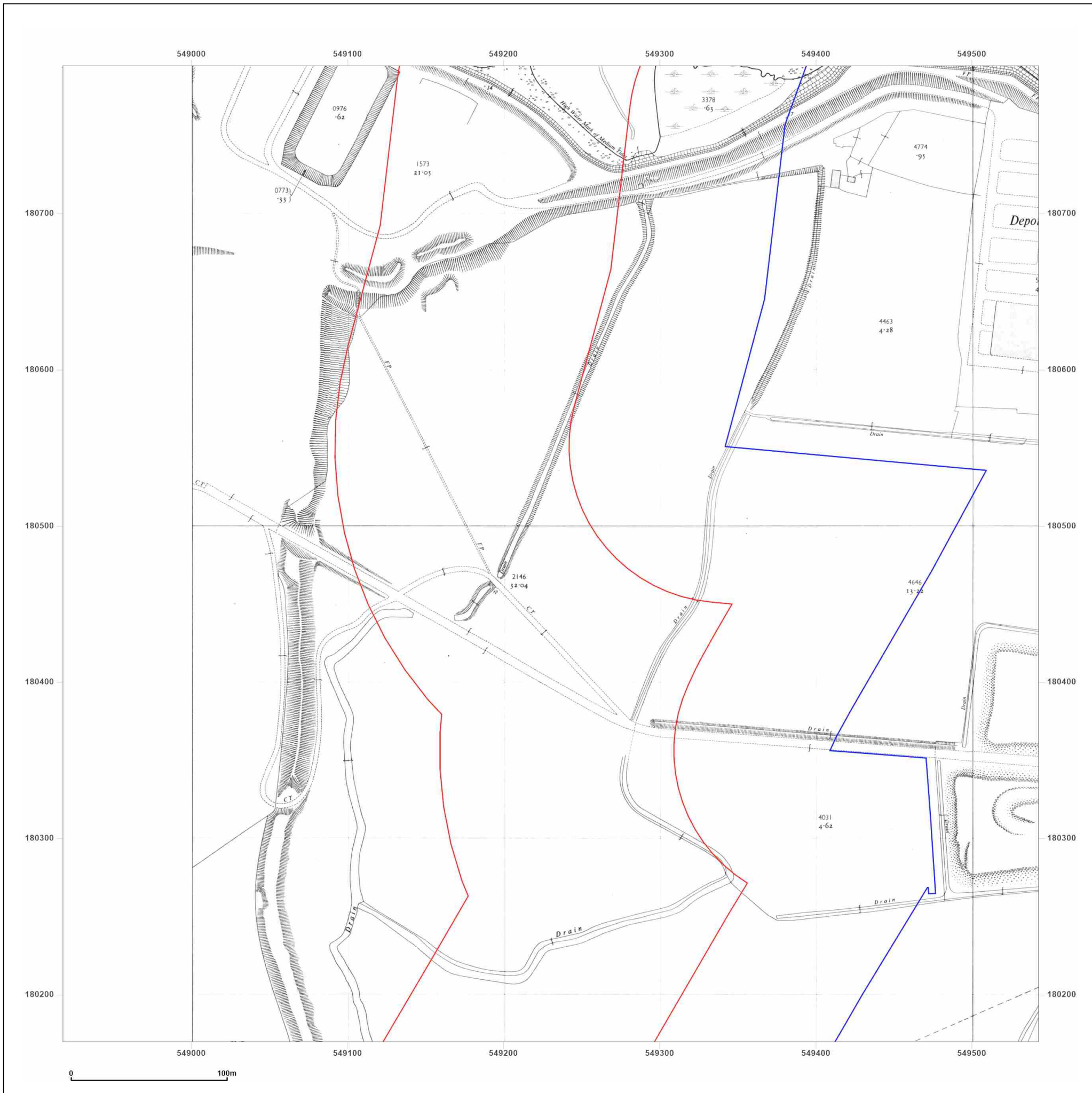


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Map legend available at: XXXXXXXXXX



Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_2
Grid Ref: 549230, 180482

Map Name: National Grid

Map date: 1957

Scale: 1:2,500

Printed at: 1:2,500



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Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_2
Grid Ref: 549230, 180482

Map Name: National Grid

Map date: 1957

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1957
Revised 1957
Edition N/A
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Surveyed 1957
Revised 1957
Edition 1958
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Map legend available at:



Site Details:

549748.9002713361,180627.41
44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_2
Grid Ref: 549230, 180482

Map Name: National Grid

Map date: 1970

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1907
Revised 1960
Edison 1970
Copyright N/A
Unrevised N/A

Surveyed N/A
Revised 1968
Edison N/A
Copyright 1970
Unrevised 1953

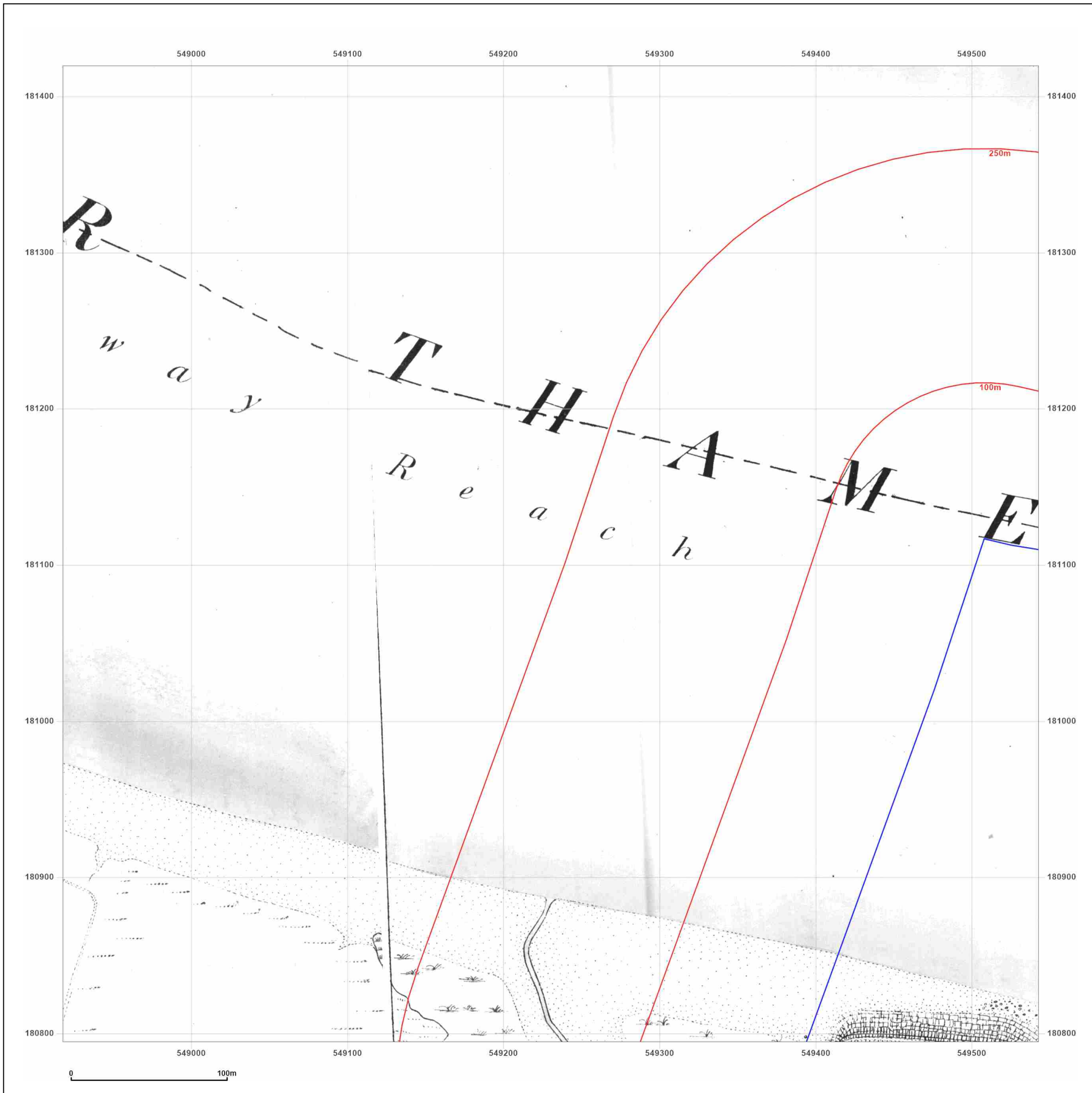


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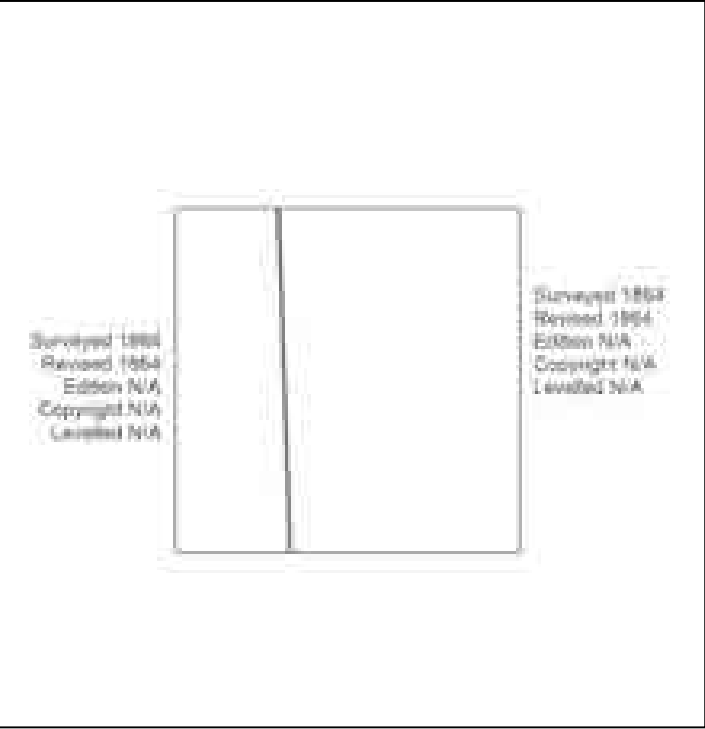
Map legend available at:



Site Details:
 549748.9002713361,180627.41
 44474817

Client Ref: Cory_
Report Ref: GS-Z2C-4A8-JYO-GRG_LS_1_3
Grid Ref: 549230, 181107

Map Name: County Series
Map date: 1864
Scale: 1:2,500
Printed at: 1:2,500



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Production date: 12 September 2023

Map legend available at:
 [Redacted]