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ON A408, SIPSON ROAD,  
SIPSON, WEST DRAYTON, UB7  
0HW

**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

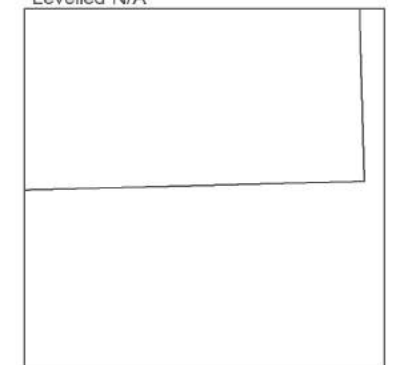
**Map date:** 1868

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1864  
Revised 1868  
Edition 1868  
Copyright N/A  
Levelled N/A

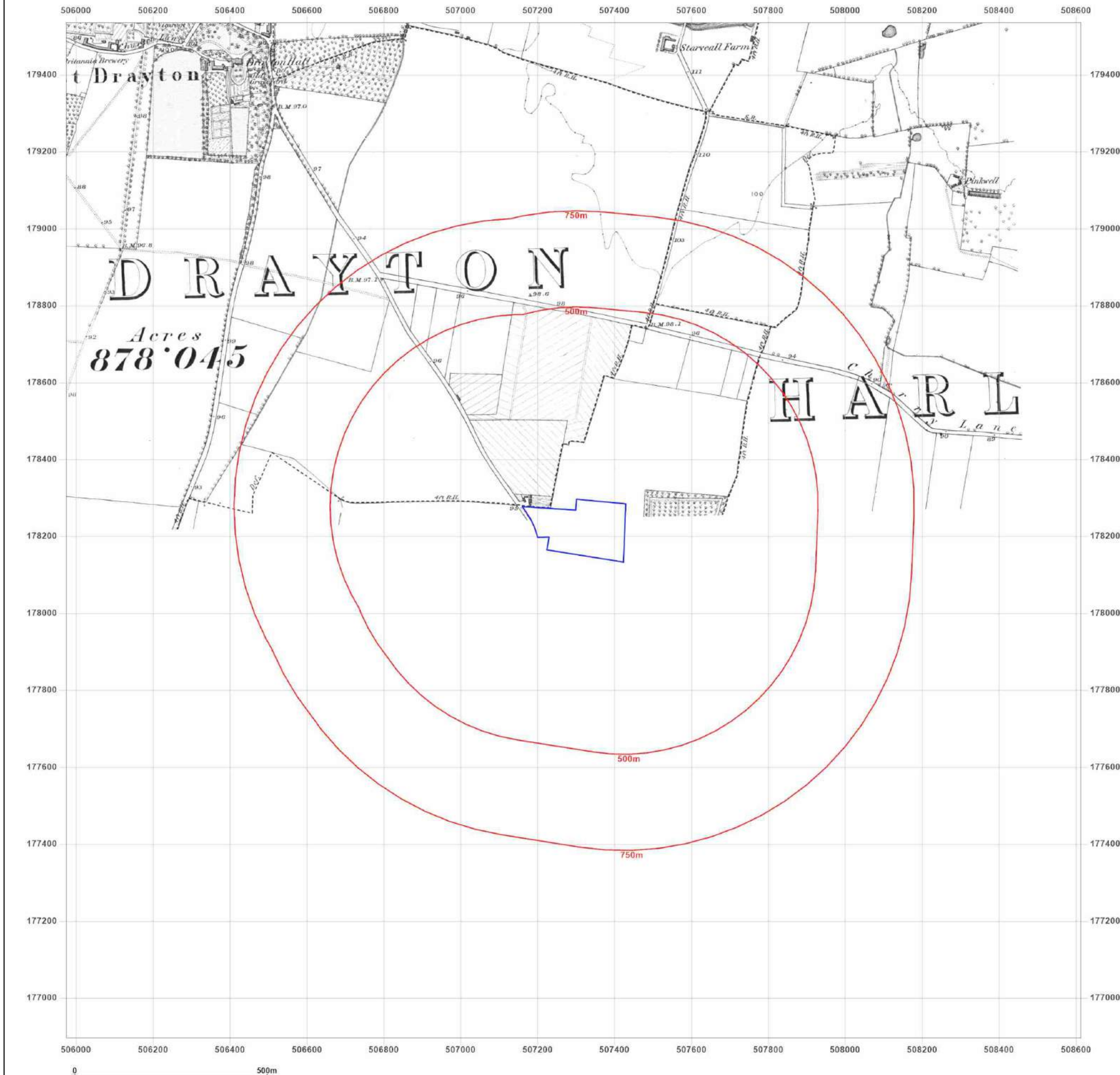


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1894-1895

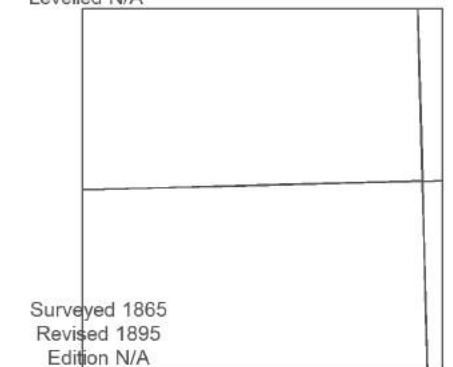
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**Printed at:** 1:10,560



Surveyed 1865  
Revised 1894  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1894  
Edition N/A  
Copyright N/A  
Levelled N/A



Surveyed 1865  
Revised 1895  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1894  
Edition N/A  
Copyright N/A  
Levelled N/A

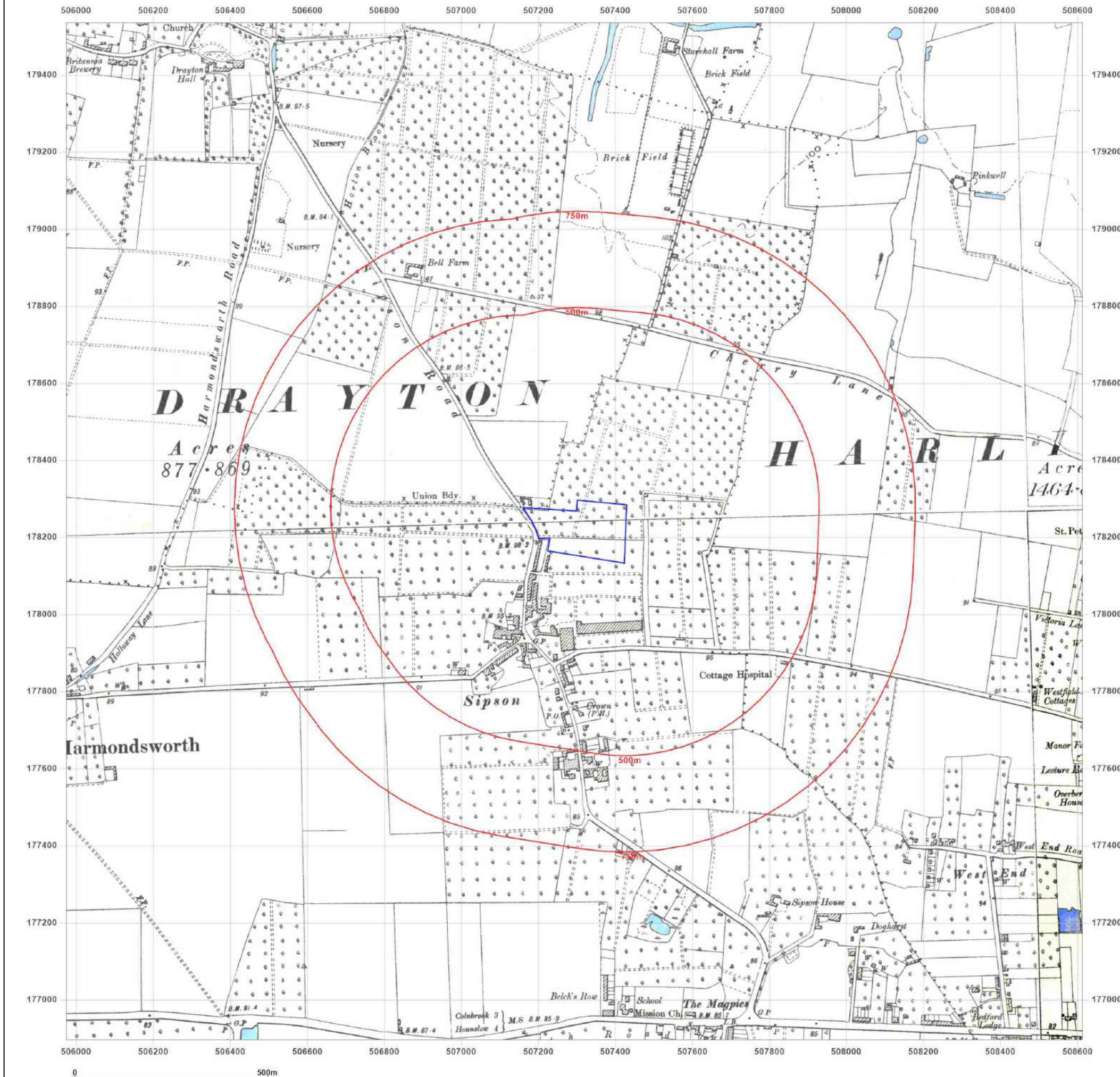


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1874  
Revised 1895  
Edition 1897  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1894  
Edition 1897  
Copyright N/A  
Levelled N/A

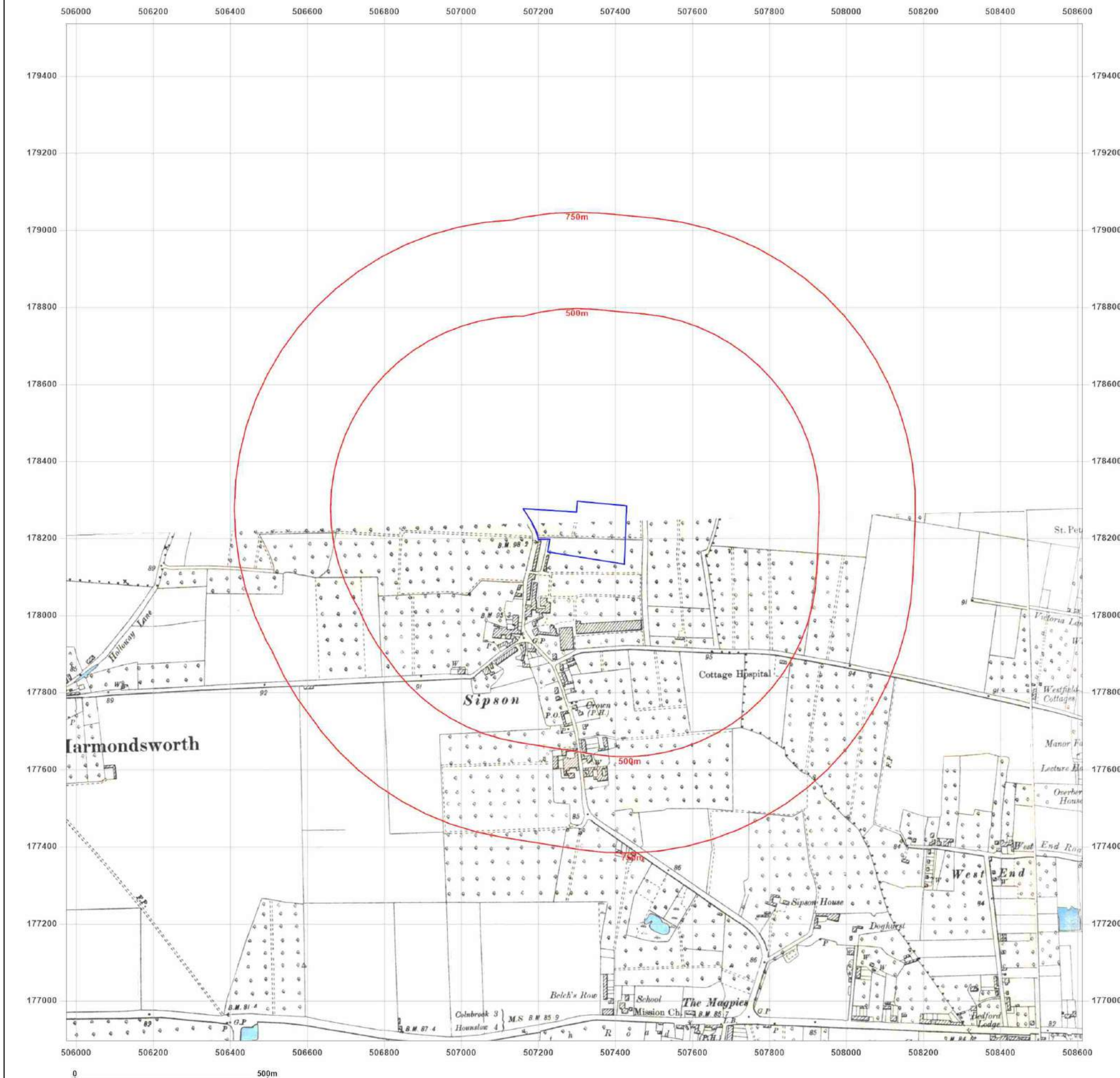


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1897

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1874  
Revised 1894  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1894  
Edition 1897  
Copyright N/A  
Levelled N/A

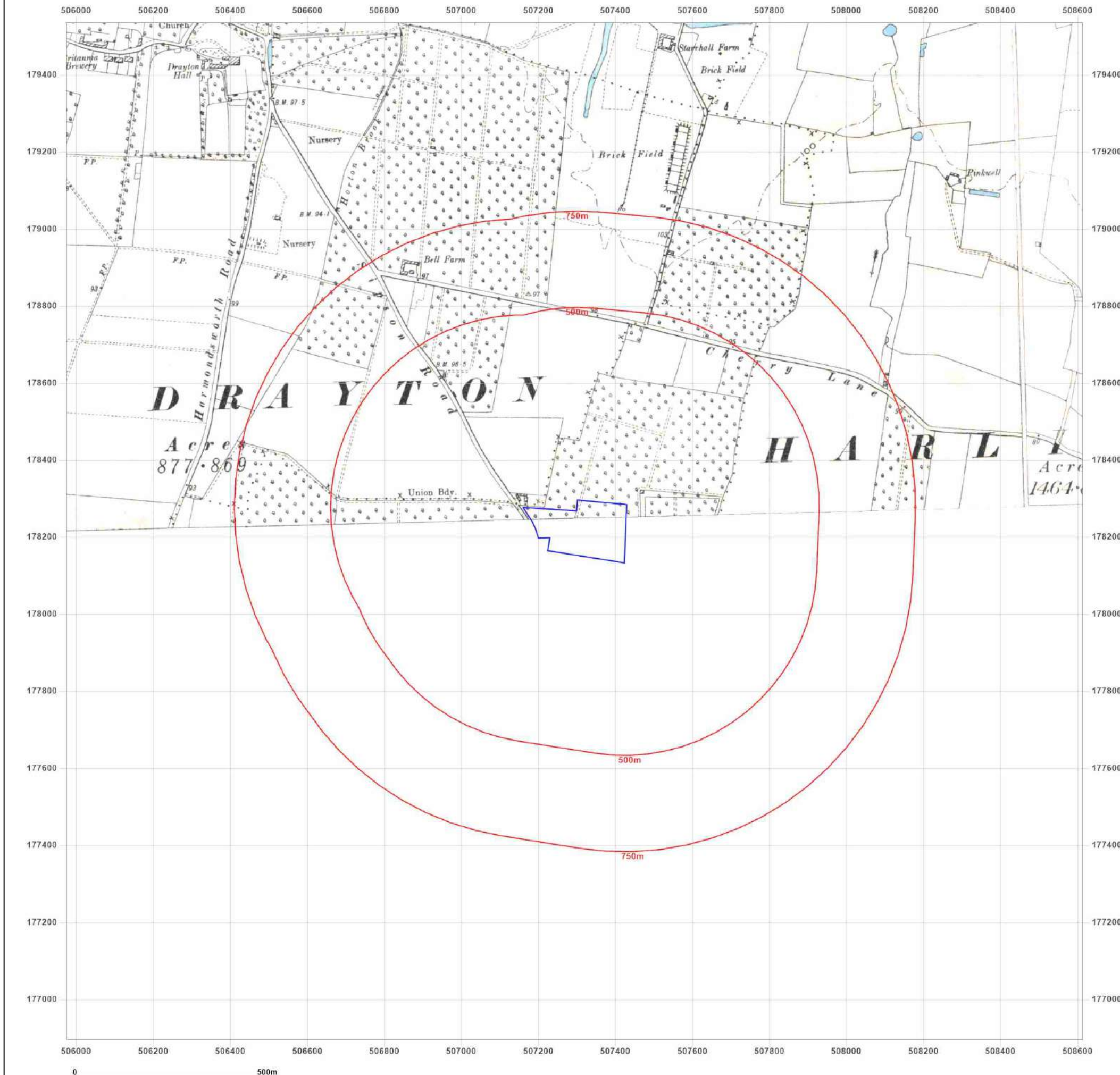


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**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1898-1900

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**Printed at:** 1:10,560



Surveyed 1875  
Revised 1898  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1875  
Revised 1900  
Edition N/A  
Copyright N/A  
Levelled N/A

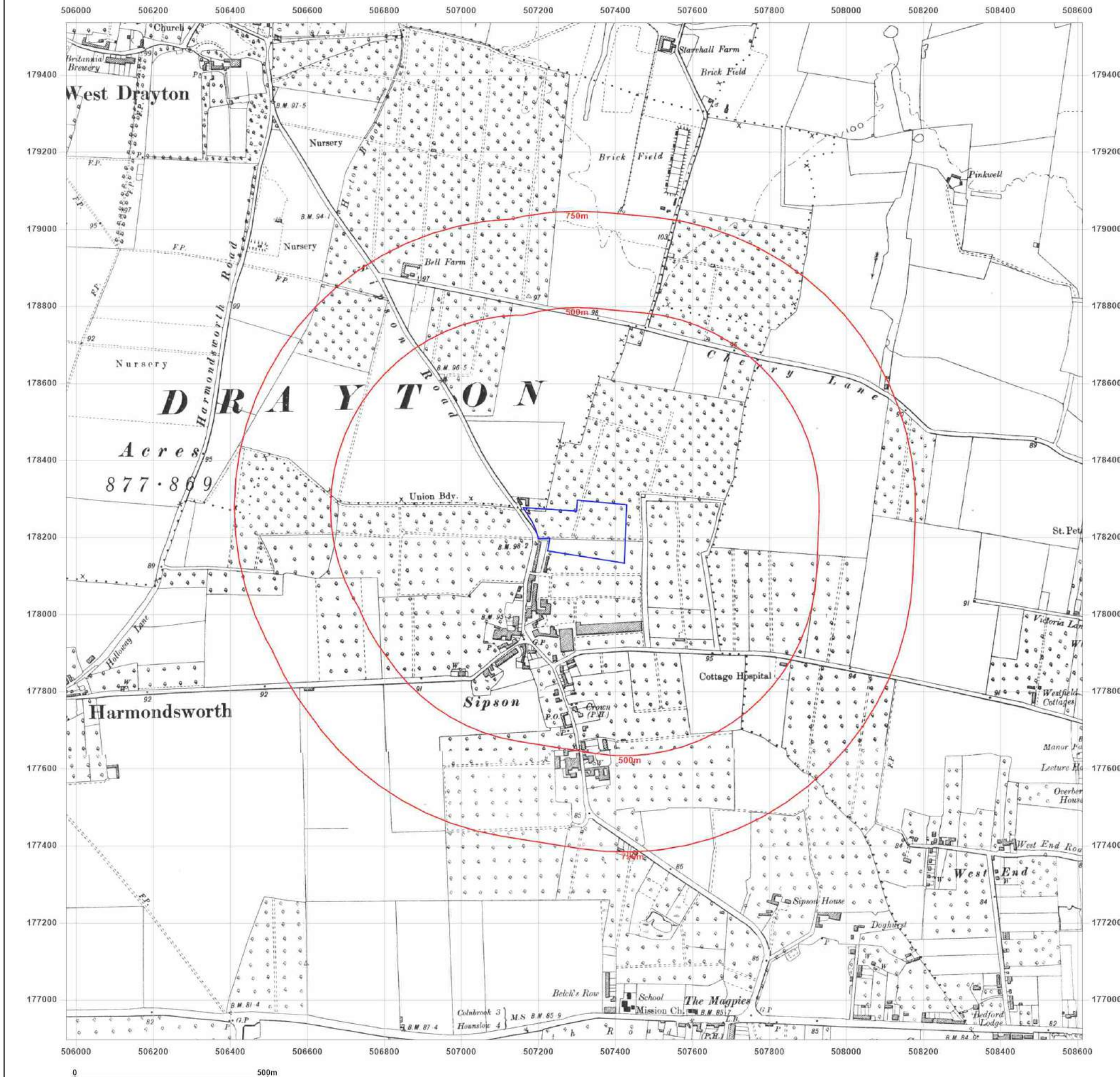


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1912

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1865  
Revised 1912  
Edition N/A  
Copyright N/A  
Levelled N/A

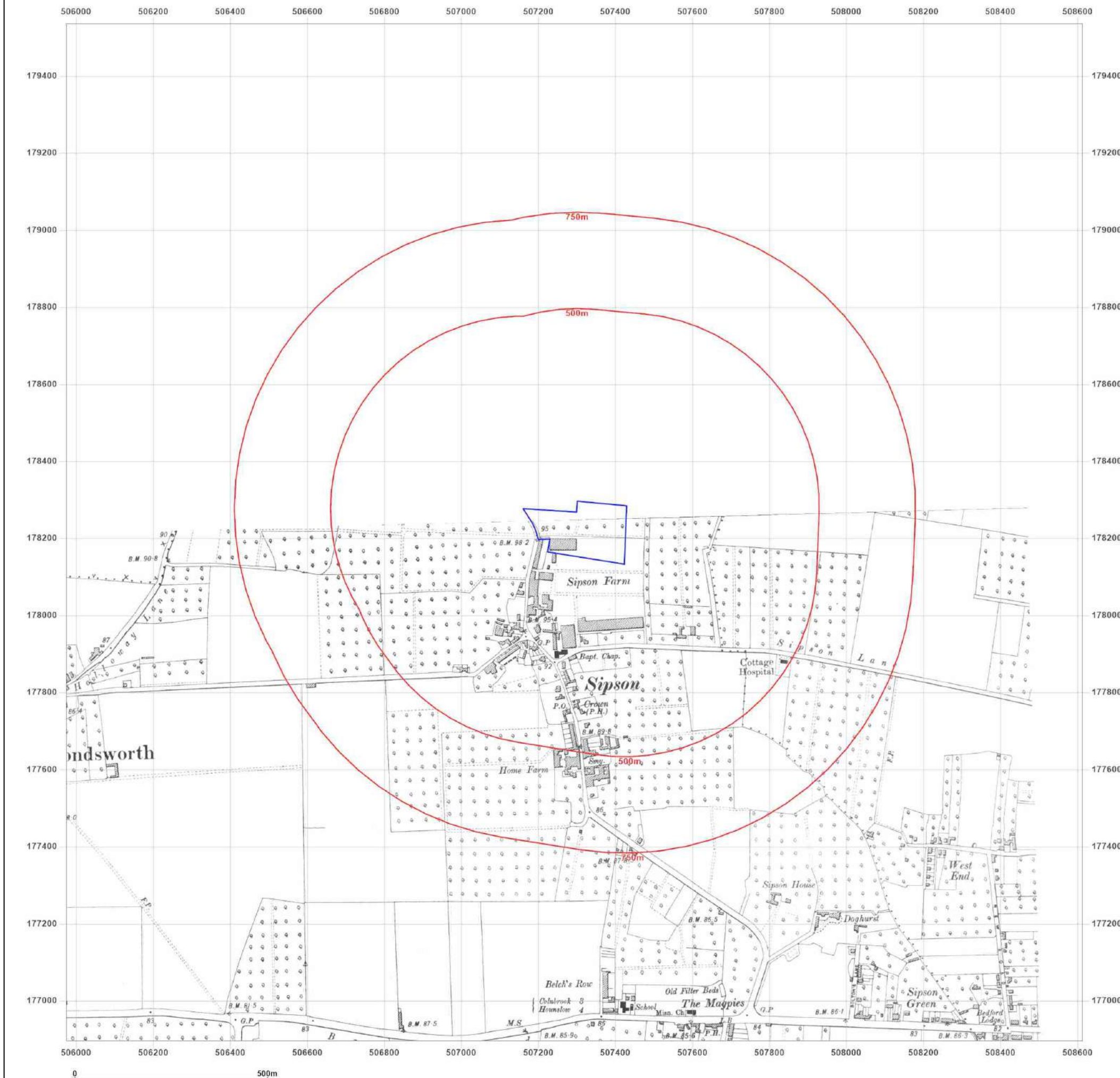


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1912-1913

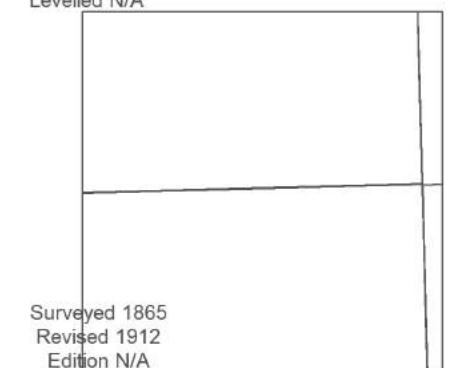
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**Printed at:** 1:10,560



Surveyed 1864  
Revised 1913  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1913  
Edition N/A  
Copyright N/A  
Levelled N/A



Surveyed 1865  
Revised 1912  
Edition N/A  
Copyright N/A  
Levelled N/A

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

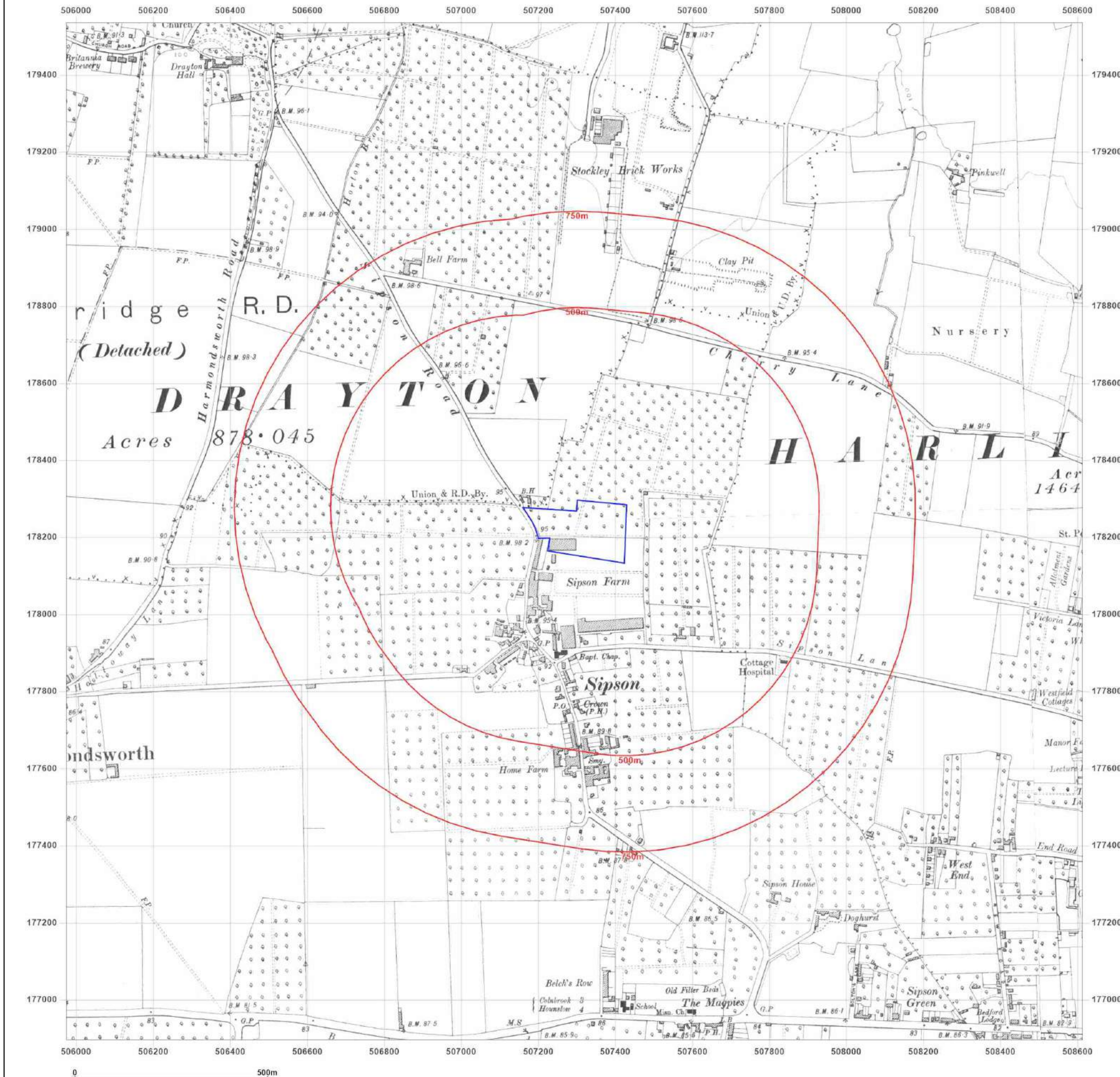


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**Map Name:** County Series

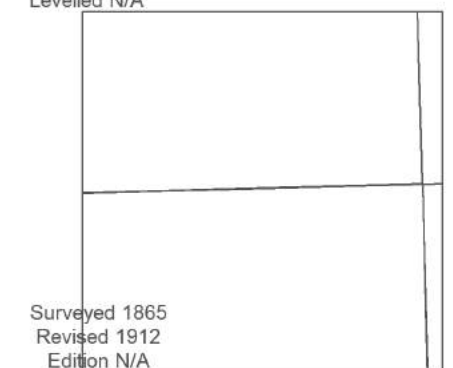
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**Printed at:** 1:10,560



Surveyed 1864  
Revised 1913  
Edition N/A  
Copyright N/A  
Levelled N/A



Surveyed 1865  
Revised 1912  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1866  
Revised 1912  
Edition N/A  
Copyright N/A  
Levelled N/A

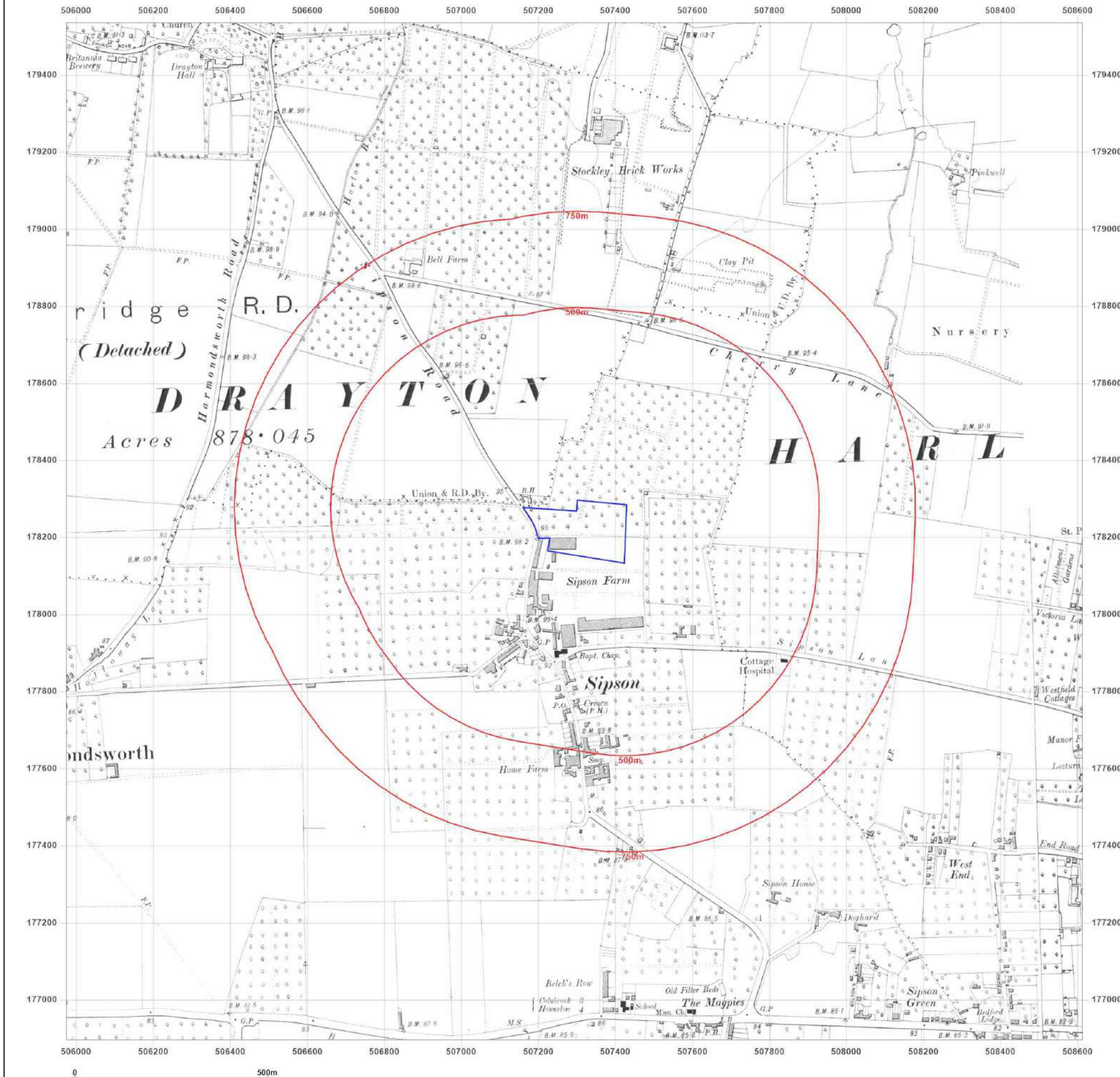


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1932

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1874  
Revised 1932  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1932  
Edition N/A  
Copyright N/A  
Levelled N/A

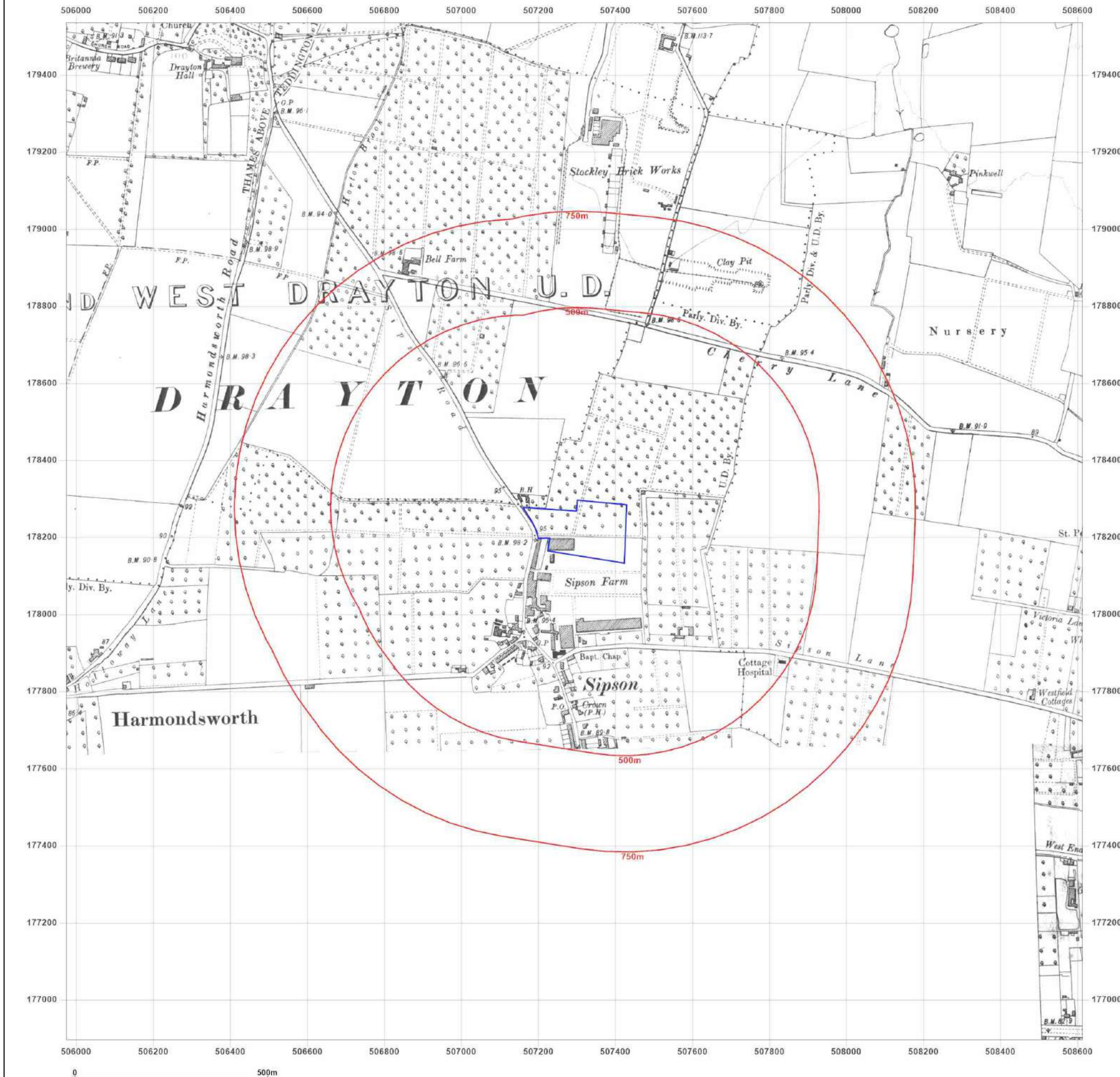


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1934-1935

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1864  
Revised 1935  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1935  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1934  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1935  
Edition N/A  
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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1935-1938

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1864  
Revised 1938  
Edition 1938  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1938  
Edition 1938  
Copyright N/A  
Levelled N/A

Surveyed 1865  
Revised 1935  
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Surveyed 1865  
Revised 1938  
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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** County Series

**Map date:** 1938

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1865  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

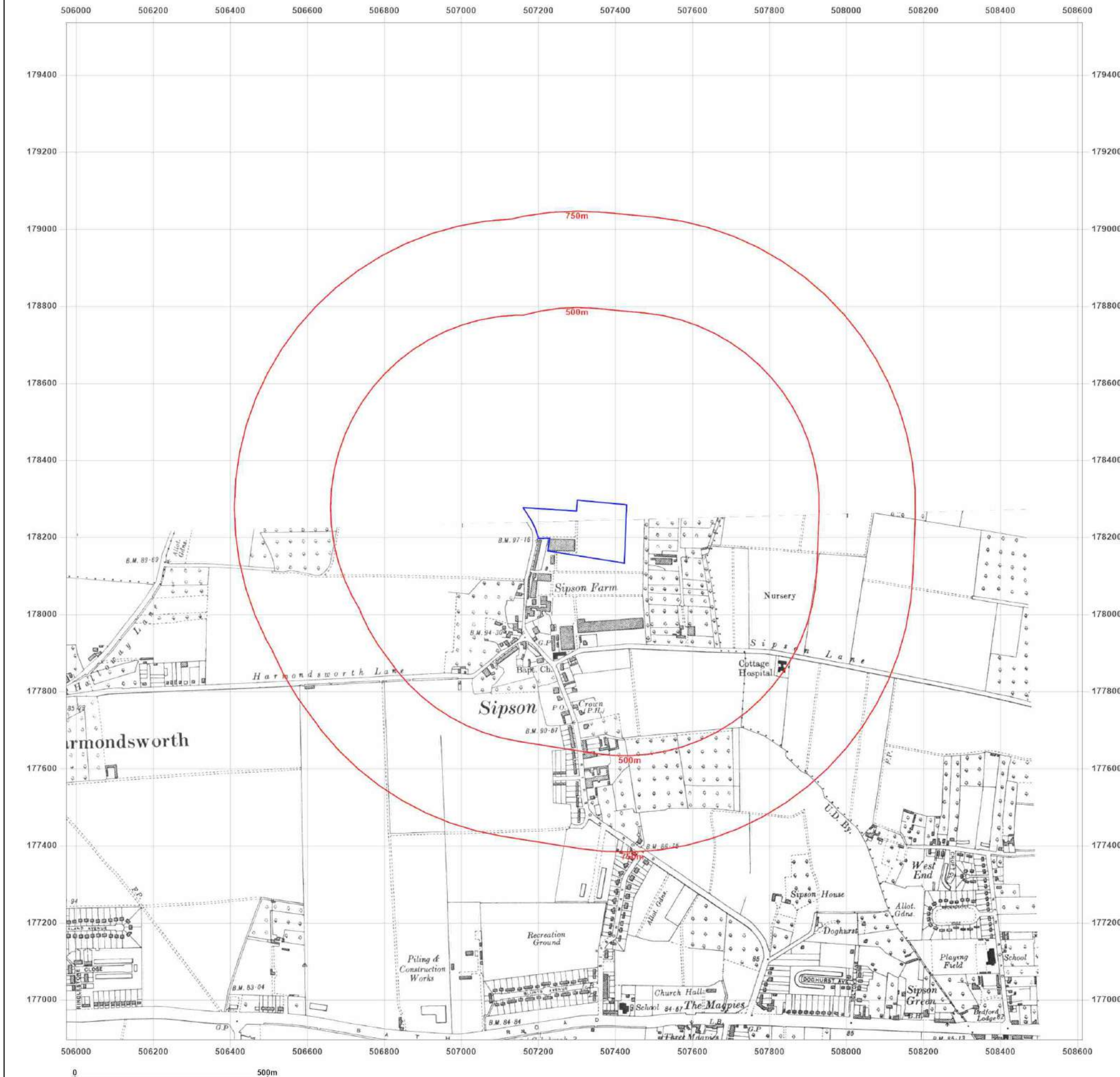


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** Provisional

**Map date:** 1960

**Scale:** 1:10,560

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**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** Provisional

**Map date:** 1964

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed N/A  
Revised 1964  
Edition N/A  
Copyright 1960  
Levelled N/A

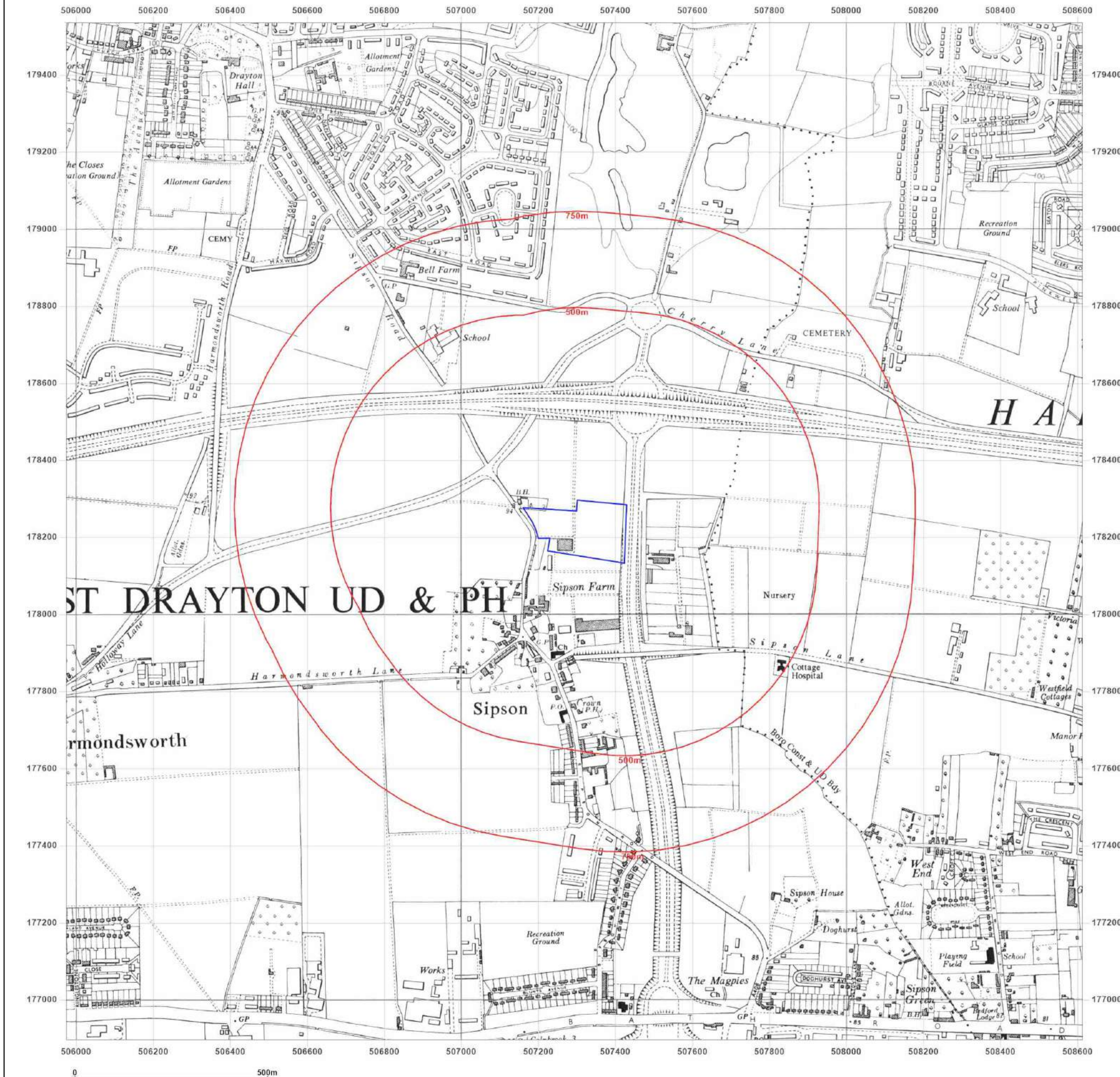


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** Provisional

**Map date:** 1970

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1968  
Revised 1970  
Edition N/A  
Copyright N/A  
Levelled N/A

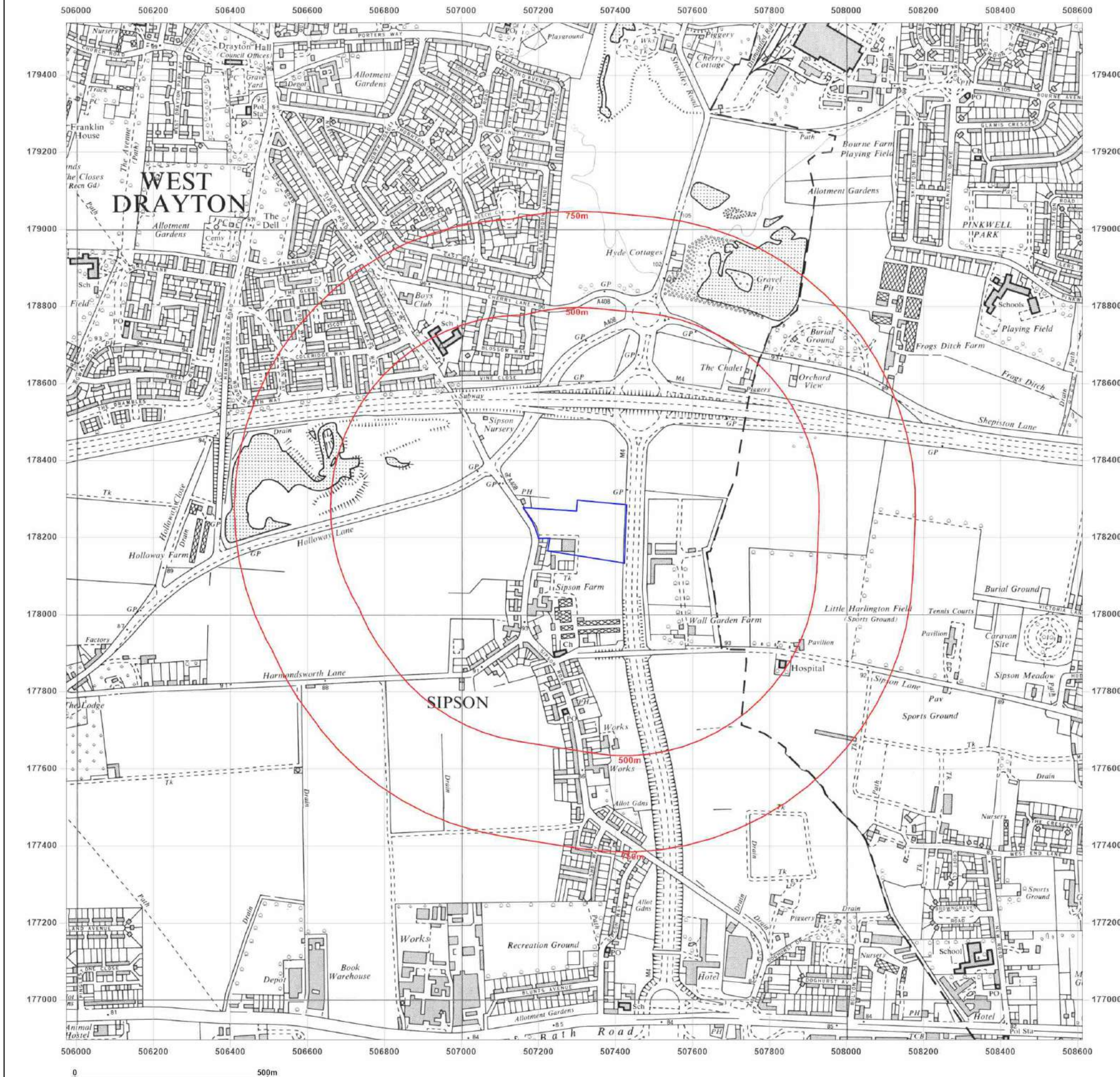


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**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** National Grid

**Map date:** 1974

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1974  
Revised 1974  
Edition N/A  
Copyright N/A  
Levelled N/A

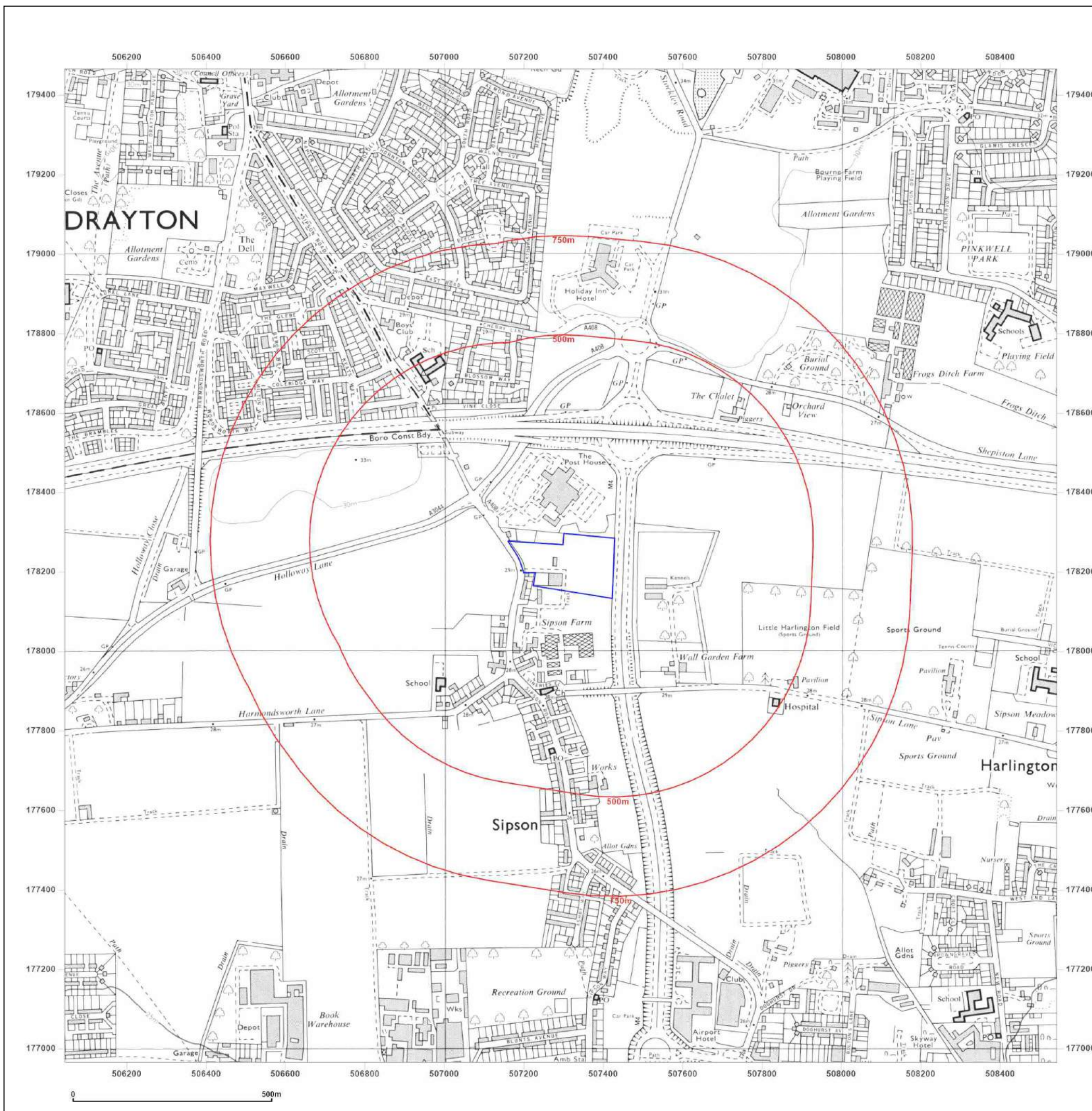


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**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** National Grid

**Map date:** 1987

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1982  
Revised 1987  
Edition N/A  
Copyright N/A  
Levelled N/A

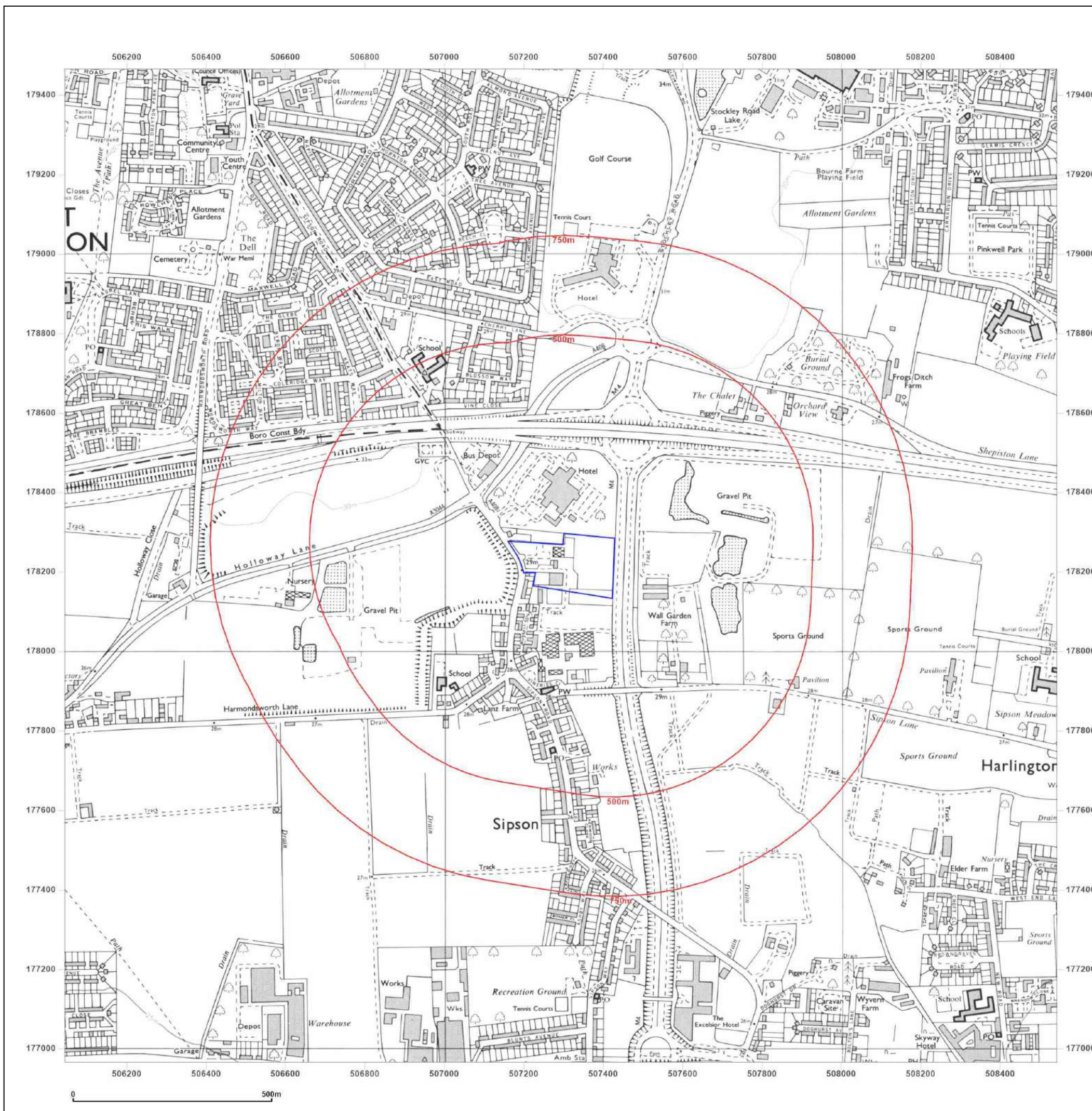


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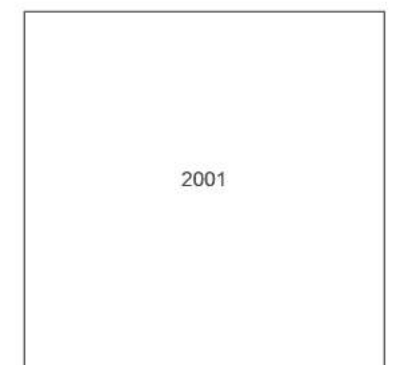
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**Grid Ref:** 507293, 178215

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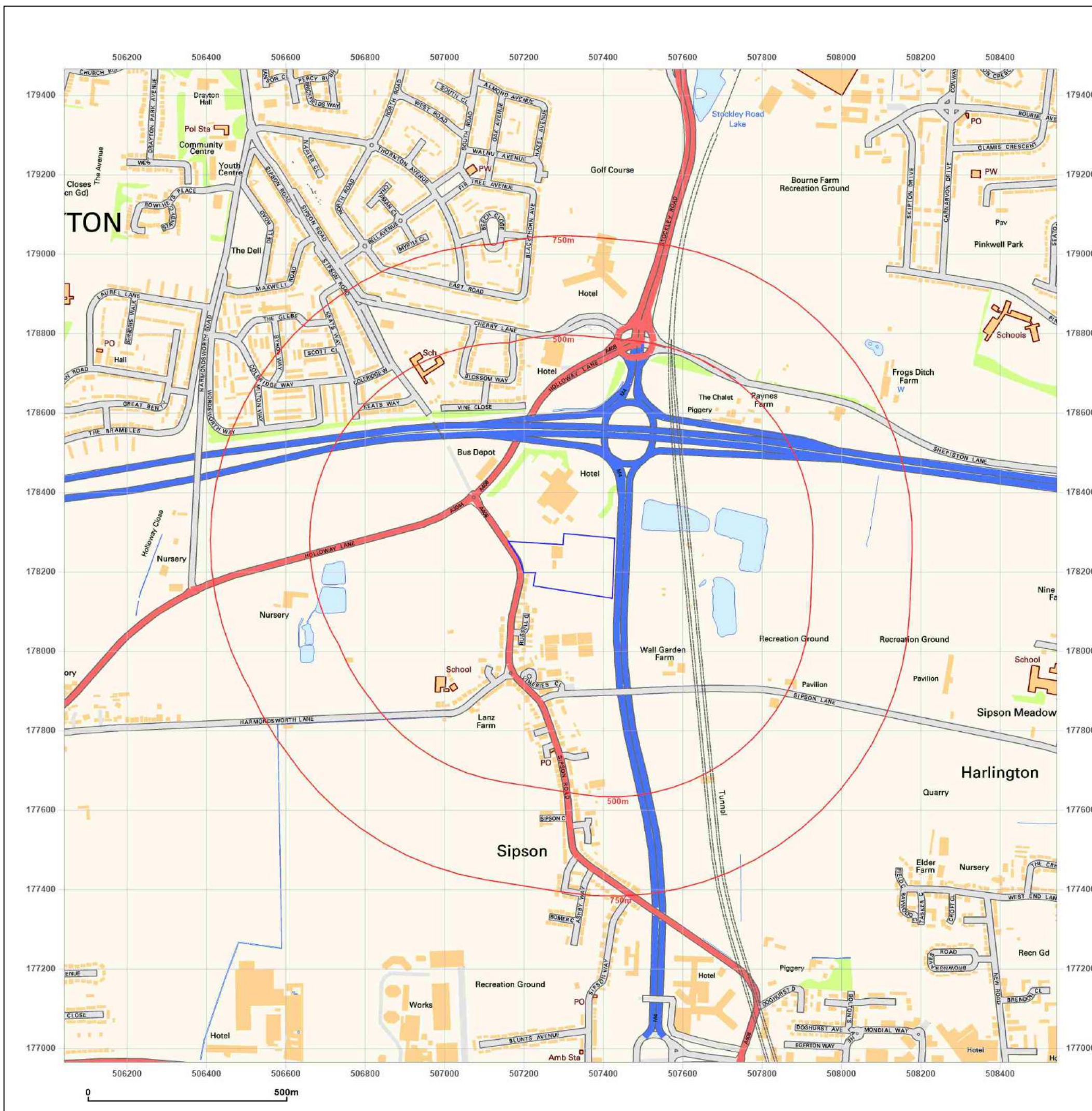


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SIPSON, WEST DRAYTON, UB7  
0HW

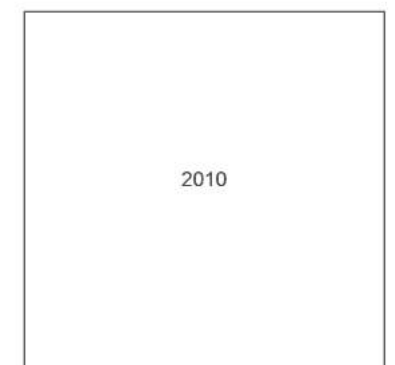
**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000

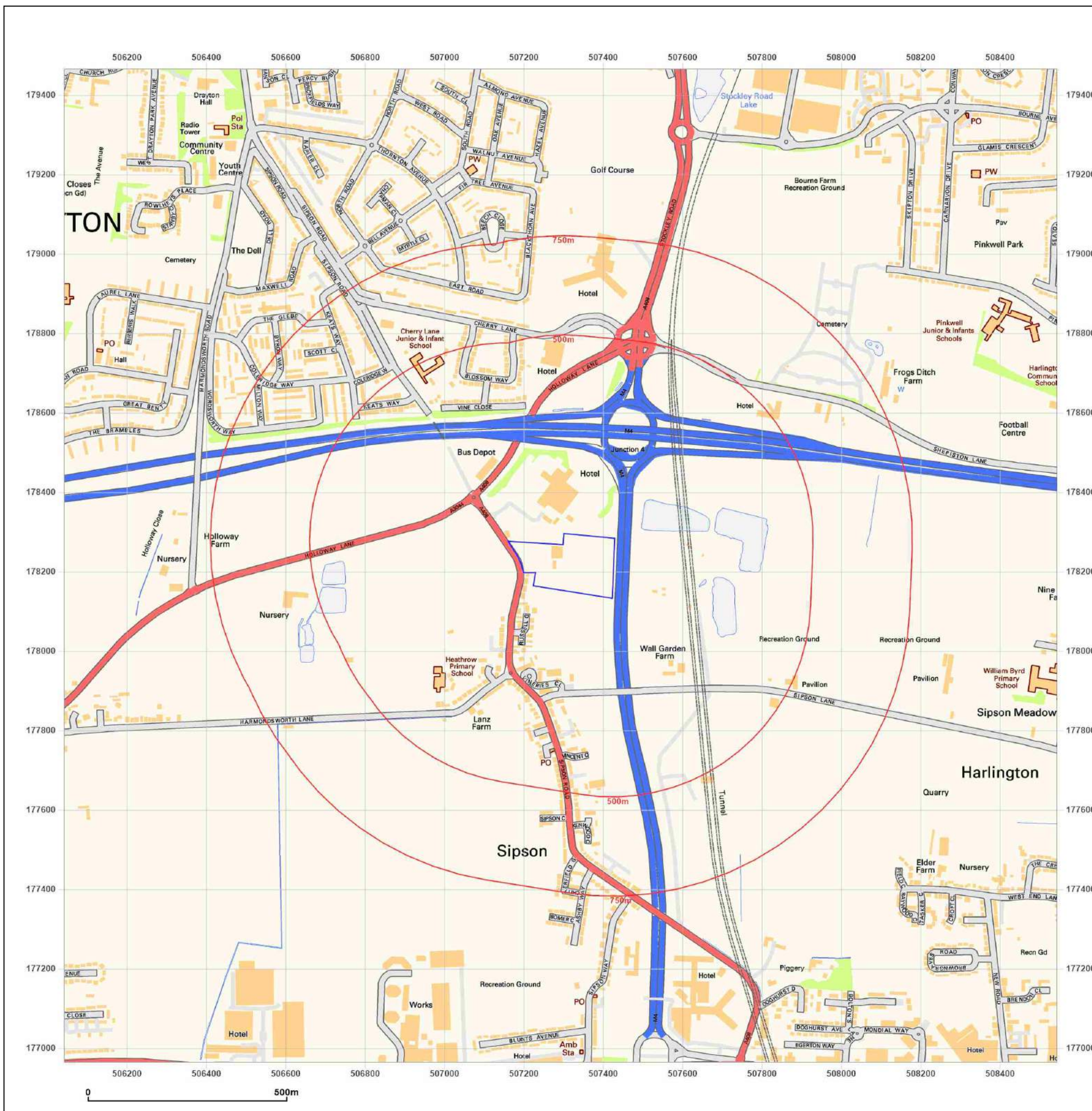


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Production date: 05 October 2023

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[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)





#### Site Details:

SHELTER 17M FROM THE  
PLOUGH, 239 SIPSON ROAD  
ON A408, SIPSON ROAD,  
SIPSON, WEST DRAYTON, UB7  
0HW

**Client Ref:** GWPR5637  
**Report Ref:** GS-EBC-UKP-NQT-HVJ  
**Grid Ref:** 507293, 178215

**Map Name:** National Grid

**Map date:** 2023

**Scale:** 1:10,000

**Printed at:** 1:10,000



2023



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Production date: 05 October 2023

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# APPENDIX E: GroundSure EnviroInsight and GeoInsight Datasheets



SHELTER 17M FROM THE PLOUGH, 239 SIPSON ROAD ON A408, SIPSON ROAD, SIPSON, WEST DRAYTON, UB7 0HW

## Order Details

**Date:** 05/10/2023  
**Your ref:** GWPR5637  
**Our Ref:** GS-KUA-9AC-RH4-W4P

## Site Details

**Location:** 507278 178192  
**Area:** 3.02 ha  
**Authority:** [London Borough of Hillingdon](#) ↗



**Summary of findings**

[p. 2](#) >

**Aerial image**

[p. 9](#) >

**OS MasterMap site plan**

[p.14](#) >

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Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755



## Summary of findings

Page	Section	<a href="#">Past land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">15 &gt;</a>	<a href="#">1.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	0	1	9	35	-
<a href="#">17 &gt;</a>	<a href="#">1.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	4	0	-
<a href="#">18 &gt;</a>	<a href="#">1.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	3	1	3	-
18	1.4	Historical petrol stations	0	0	0	0	-
19	1.5	Historical garages	0	0	0	0	-
19	1.6	Historical military land	0	0	0	0	-
Page	Section	<a href="#">Past land use - un-grouped &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">20 &gt;</a>	<a href="#">2.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	0	1	11	45	-
<a href="#">23 &gt;</a>	<a href="#">2.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	5	0	-
<a href="#">23 &gt;</a>	<a href="#">2.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	3	1	7	-
24	2.4	Historical petrol stations	0	0	0	0	-
24	2.5	Historical garages	0	0	0	0	-
Page	Section	<a href="#">Waste and landfill &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">25 &gt;</a>	<a href="#">3.1 &gt;</a>	<a href="#">Active or recent landfill &gt;</a>	0	1	2	3	-
26	3.2	Historical landfill (BGS records)	0	0	0	0	-
27	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<a href="#">27 &gt;</a>	<a href="#">3.4 &gt;</a>	<a href="#">Historical landfill (EA/NRW records) &gt;</a>	0	1	1	2	-
<a href="#">28 &gt;</a>	<a href="#">3.5 &gt;</a>	<a href="#">Historical waste sites &gt;</a>	0	0	0	2	-
<a href="#">29 &gt;</a>	<a href="#">3.6 &gt;</a>	<a href="#">Licensed waste sites &gt;</a>	0	0	3	21	-
<a href="#">35 &gt;</a>	<a href="#">3.7 &gt;</a>	<a href="#">Waste exemptions &gt;</a>	0	0	0	2	-
Page	Section	<a href="#">Current industrial land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">37 &gt;</a>	<a href="#">4.1 &gt;</a>	<a href="#">Recent industrial land uses &gt;</a>	0	1	9	-	-
38	4.2	Current or recent petrol stations	0	0	0	0	-
<a href="#">38 &gt;</a>	<a href="#">4.3 &gt;</a>	<a href="#">Electricity cables &gt;</a>	0	0	0	18	-
40	4.4	Gas pipelines	0	0	0	0	-
40	4.5	Sites determined as Contaminated Land	0	0	0	0	-





40	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
41	4.7	Regulated explosive sites	0	0	0	0	-
41	4.8	Hazardous substance storage/usage	0	0	0	0	-
41	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
<a href="#">41</a> >	<a href="#">4.10</a> >	<a href="#">Licensed industrial activities (Part A(1))</a> >	0	0	0	1	-
<a href="#">42</a> >	<a href="#">4.11</a> >	<a href="#">Licensed pollutant release (Part A(2)/B)</a> >	0	0	2	1	-
42	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<a href="#">42</a> >	<a href="#">4.13</a> >	<a href="#">Licensed Discharges to controlled waters</a> >	0	0	3	0	-
43	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
43	4.15	Pollutant release to public sewer	0	0	0	0	-
43	4.16	List 1 Dangerous Substances	0	0	0	0	-
44	4.17	List 2 Dangerous Substances	0	0	0	0	-
<a href="#">44</a> >	<a href="#">4.18</a> >	<a href="#">Pollution Incidents (EA/NRW)</a> >	0	0	0	2	-
44	4.19	Pollution inventory substances	0	0	0	0	-
45	4.20	Pollution inventory waste transfers	0	0	0	0	-
45	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<a href="#">Hydrogeology</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">46</a> >	<a href="#">5.1</a> >	<a href="#">Superficial aquifer</a> >	Identified (within 500m)				
<a href="#">48</a> >	<a href="#">5.2</a> >	<a href="#">Bedrock aquifer</a> >	Identified (within 500m)				
<a href="#">49</a> >	<a href="#">5.3</a> >	<a href="#">Groundwater vulnerability</a> >	Identified (within 50m)				
50	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
<a href="#">50</a> >	<a href="#">5.5</a> >	<a href="#">Groundwater vulnerability- local information</a> >	Identified (within 0m)				
<a href="#">51</a> >	<a href="#">5.6</a> >	<a href="#">Groundwater abstractions</a> >	0	0	1	0	22
<a href="#">57</a> >	<a href="#">5.7</a> >	<a href="#">Surface water abstractions</a> >	0	0	0	0	3
58	5.8	Potable abstractions	0	0	0	0	0
58	5.9	Source Protection Zones	0	0	0	0	-
59	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<a href="#">Hydrology</a> >	On site	0-50m	50-250m	250-500m	500-2000m
60	6.1	Water Network (OS MasterMap)	0	0	0	-	-



<a href="#">60</a> >	<a href="#">6.2</a> >	<a href="#">Surface water features</a> >	0	0	7	-	-
<a href="#">61</a> >	<a href="#">6.3</a> >	<a href="#">WFD Surface water body catchments</a> >	1	-	-	-	-
<a href="#">61</a> >	<a href="#">6.4</a> >	<a href="#">WFD Surface water bodies</a> >	0	0	0	-	-
<a href="#">62</a> >	<a href="#">6.5</a> >	<a href="#">WFD Groundwater bodies</a> >	1	-	-	-	-
Page	Section	<a href="#">River and coastal flooding</a> >	On site	0-50m	50-250m	250-500m	500-2000m
63	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
<a href="#">64</a> >	<a href="#">7.2</a> >	<a href="#">Historical Flood Events</a> >	0	0	4	-	-
64	7.3	Flood Defences	0	0	0	-	-
64	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
65	7.5	Flood Storage Areas	0	0	0	-	-
66	7.6	Flood Zone 2	None (within 50m)				
66	7.7	Flood Zone 3	None (within 50m)				
Page	Section	<a href="#">Surface water flooding</a> >					
<a href="#">67</a> >	<a href="#">8.1</a> >	<a href="#">Surface water flooding</a> >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	<a href="#">Groundwater flooding</a> >					
<a href="#">69</a> >	<a href="#">9.1</a> >	<a href="#">Groundwater flooding</a> >	Moderate (within 50m)				
Page	Section	<a href="#">Environmental designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
70	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
71	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
71	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
71	10.4	Special Protection Areas (SPA)	0	0	0	0	0
71	10.5	National Nature Reserves (NNR)	0	0	0	0	0
72	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
72	10.7	Designated Ancient Woodland	0	0	0	0	0
72	10.8	Biosphere Reserves	0	0	0	0	0
72	10.9	Forest Parks	0	0	0	0	0
73	10.10	Marine Conservation Zones	0	0	0	0	0
<a href="#">73</a> >	<a href="#">10.11</a> >	<a href="#">Green Belt</a> >	1	2	3	4	15
74	10.12	Proposed Ramsar sites	0	0	0	0	0





74	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
74	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
75	10.15	Nitrate Sensitive Areas	0	0	0	0	0
75	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
<a href="#">76 &gt;</a>	<a href="#">10.17 &gt;</a>	<a href="#">SSSI Impact Risk Zones &gt;</a>	2	-	-	-	-
77	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
78	11.1	World Heritage Sites	0	0	0	-	-
78	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
78	11.3	National Parks	0	0	0	-	-
78	11.4	Listed Buildings	0	0	0	-	-
79	11.5	Conservation Areas	0	0	0	-	-
79	11.6	Scheduled Ancient Monuments	0	0	0	-	-
79	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<a href="#">Agricultural designations &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">80 &gt;</a>	<a href="#">12.1 &gt;</a>	<a href="#">Agricultural Land Classification &gt;</a>	Grade 1 (within 250m)				
81	12.2	Open Access Land	0	0	0	-	-
81	12.3	Tree Felling Licences	0	0	0	-	-
81	12.4	Environmental Stewardship Schemes	0	0	0	-	-
81	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<a href="#">Habitat designations &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">82 &gt;</a>	<a href="#">13.1 &gt;</a>	<a href="#">Priority Habitat Inventory &gt;</a>	0	0	5	-	-
83	13.2	Habitat Networks	0	0	0	-	-
<a href="#">83 &gt;</a>	<a href="#">13.3 &gt;</a>	<a href="#">Open Mosaic Habitat &gt;</a>	0	0	1	-	-
83	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<a href="#">Geology 1:10,000 scale &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">84 &gt;</a>	<a href="#">14.1 &gt;</a>	<a href="#">10k Availability &gt;</a>	Identified (within 500m)				
<a href="#">85 &gt;</a>	<a href="#">14.2 &gt;</a>	<a href="#">Artificial and made ground (10k) &gt;</a>	0	2	9	8	-
<a href="#">87 &gt;</a>	<a href="#">14.3 &gt;</a>	<a href="#">Superficial geology (10k) &gt;</a>	1	1	4	9	-



88	14.4	Landslip (10k)	0	0	0	0	-
<a href="#">89 &gt;</a>	<a href="#">14.5 &gt;</a>	<a href="#">Bedrock geology (10k) &gt;</a>	1	0	0	0	-
90	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	<a href="#">Geology 1:50,000 scale &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">91 &gt;</a>	<a href="#">15.1 &gt;</a>	<a href="#">50k Availability &gt;</a>	Identified (within 500m)				
<a href="#">92 &gt;</a>	<a href="#">15.2 &gt;</a>	<a href="#">Artificial and made ground (50k) &gt;</a>	0	1	3	3	-
<a href="#">93 &gt;</a>	<a href="#">15.3 &gt;</a>	<a href="#">Artificial ground permeability (50k) &gt;</a>	0	1	-	-	-
<a href="#">94 &gt;</a>	<a href="#">15.4 &gt;</a>	<a href="#">Superficial geology (50k) &gt;</a>	1	1	3	5	-
<a href="#">95 &gt;</a>	<a href="#">15.5 &gt;</a>	<a href="#">Superficial permeability (50k) &gt;</a>	Identified (within 50m)				
95	15.6	Landslip (50k)	0	0	0	0	-
95	15.7	Landslip permeability (50k)	None (within 50m)				
<a href="#">96 &gt;</a>	<a href="#">15.8 &gt;</a>	<a href="#">Bedrock geology (50k) &gt;</a>	1	0	0	0	-
<a href="#">97 &gt;</a>	<a href="#">15.9 &gt;</a>	<a href="#">Bedrock permeability (50k) &gt;</a>	Identified (within 50m)				
97	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	<a href="#">Boreholes &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">98 &gt;</a>	<a href="#">16.1 &gt;</a>	<a href="#">BGS Boreholes &gt;</a>	1	3	10	-	-
Page	Section	<a href="#">Natural ground subsidence &gt;</a>					
<a href="#">100 &gt;</a>	<a href="#">17.1 &gt;</a>	<a href="#">Shrink swell clays &gt;</a>	Very low (within 50m)				
<a href="#">101 &gt;</a>	<a href="#">17.2 &gt;</a>	<a href="#">Running sands &gt;</a>	Very low (within 50m)				
<a href="#">103 &gt;</a>	<a href="#">17.3 &gt;</a>	<a href="#">Compressible deposits &gt;</a>	Moderate (within 50m)				
<a href="#">105 &gt;</a>	<a href="#">17.4 &gt;</a>	<a href="#">Collapsible deposits &gt;</a>	Low (within 50m)				
<a href="#">106 &gt;</a>	<a href="#">17.5 &gt;</a>	<a href="#">Landslides &gt;</a>	Very low (within 50m)				
<a href="#">107 &gt;</a>	<a href="#">17.6 &gt;</a>	<a href="#">Ground dissolution of soluble rocks &gt;</a>	Negligible (within 50m)				
Page	Section	<a href="#">Mining and ground workings &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">109 &gt;</a>	<a href="#">18.1 &gt;</a>	<a href="#">BritPits &gt;</a>	0	0	5	12	-
<a href="#">112 &gt;</a>	<a href="#">18.2 &gt;</a>	<a href="#">Surface ground workings &gt;</a>	0	1	7	-	-
113	18.3	Underground workings	0	0	0	0	0
113	18.4	Underground mining extents	0	0	0	0	-
<a href="#">113 &gt;</a>	<a href="#">18.5 &gt;</a>	<a href="#">Historical Mineral Planning Areas &gt;</a>	0	2	2	3	-





114	18.6	Non-coal mining	0	0	0	0	0
114	18.7	JPB mining areas	None (within 0m)				
115	18.8	The Coal Authority non-coal mining	0	0	0	0	-
<a href="#">115 &gt;</a>	<a href="#">18.9 &gt;</a>	<a href="#">Researched mining &gt;</a>	0	1	2	2	-
115	18.10	Mining record office plans	0	0	0	0	-
116	18.11	BGS mine plans	0	0	0	0	-
116	18.12	Coal mining	None (within 0m)				
116	18.13	Brine areas	None (within 0m)				
116	18.14	Gypsum areas	None (within 0m)				
116	18.15	Tin mining	None (within 0m)				
117	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
118	19.1	Natural cavities	0	0	0	0	-
118	19.2	Mining cavities	0	0	0	0	0
118	19.3	Reported recent incidents	0	0	0	0	-
118	19.4	Historical incidents	0	0	0	0	-
119	19.5	National karst database	0	0	0	0	-
Page	Section	<a href="#">Radon &gt;</a>					
<a href="#">120 &gt;</a>	<a href="#">20.1 &gt;</a>	<a href="#">Radon &gt;</a>	Less than 1% (within 0m)				
Page	Section	<a href="#">Soil chemistry &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">122 &gt;</a>	<a href="#">21.1 &gt;</a>	<a href="#">BGS Estimated Background Soil Chemistry &gt;</a>	1	1	-	-	-
<a href="#">122 &gt;</a>	<a href="#">21.2 &gt;</a>	<a href="#">BGS Estimated Urban Soil Chemistry &gt;</a>	8	6	-	-	-
<a href="#">123 &gt;</a>	<a href="#">21.3 &gt;</a>	<a href="#">BGS Measured Urban Soil Chemistry &gt;</a>	0	1	-	-	-
Page	Section	<a href="#">Railway infrastructure and projects &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
124	22.1	Underground railways (London)	0	0	0	-	-
124	22.2	Underground railways (Non-London)	0	0	0	-	-
<a href="#">125 &gt;</a>	<a href="#">22.3 &gt;</a>	<a href="#">Railway tunnels &gt;</a>	0	0	2	-	-
<a href="#">125 &gt;</a>	<a href="#">22.4 &gt;</a>	<a href="#">Historical railway and tunnel features &gt;</a>	0	0	3	-	-
125	22.5	Royal Mail tunnels	0	0	0	-	-

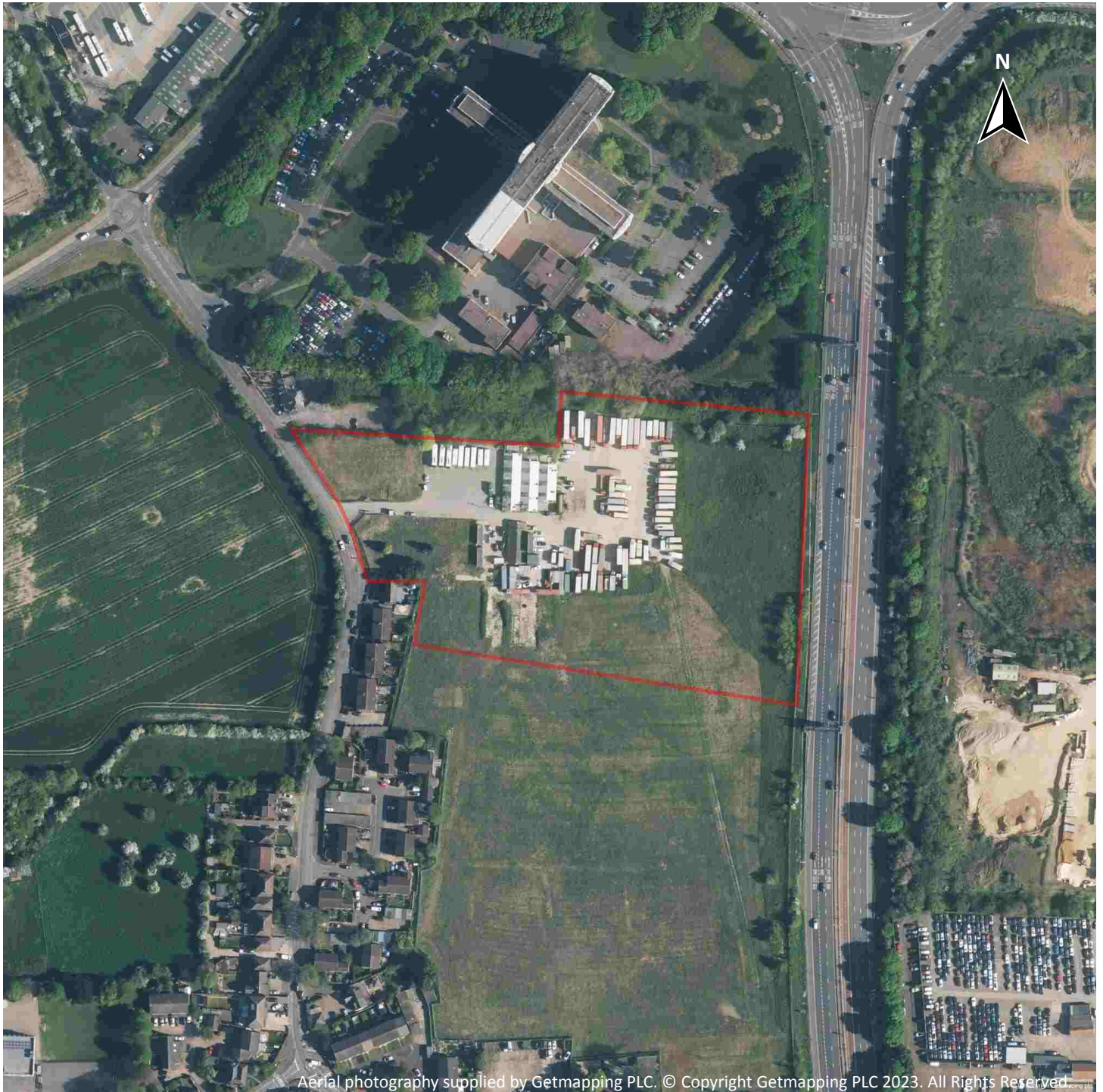




126	22.6	Historical railways	0	0	0	-	-
<a href="#">126</a> >	<a href="#">22.7</a> >	<a href="#">Railways</a> >	0	0	2	-	-
<a href="#">126</a> >	<a href="#">22.8</a> >	<a href="#">Crossrail 1</a> >	0	0	2	0	-
126	22.9	Crossrail 2	0	0	0	0	-
127	22.10	HS2	0	0	0	0	-



## Recent aerial photograph



Capture Date: 30/04/2022

Site Area: 3.02ha





## Recent site history - 2019 aerial photograph



Capture Date: 29/06/2019

Site Area: 3.02ha





## Recent site history - 2013 aerial photograph



Capture Date: 20/04/2013

Site Area: 3.02ha





## Recent site history - 2010 aerial photograph



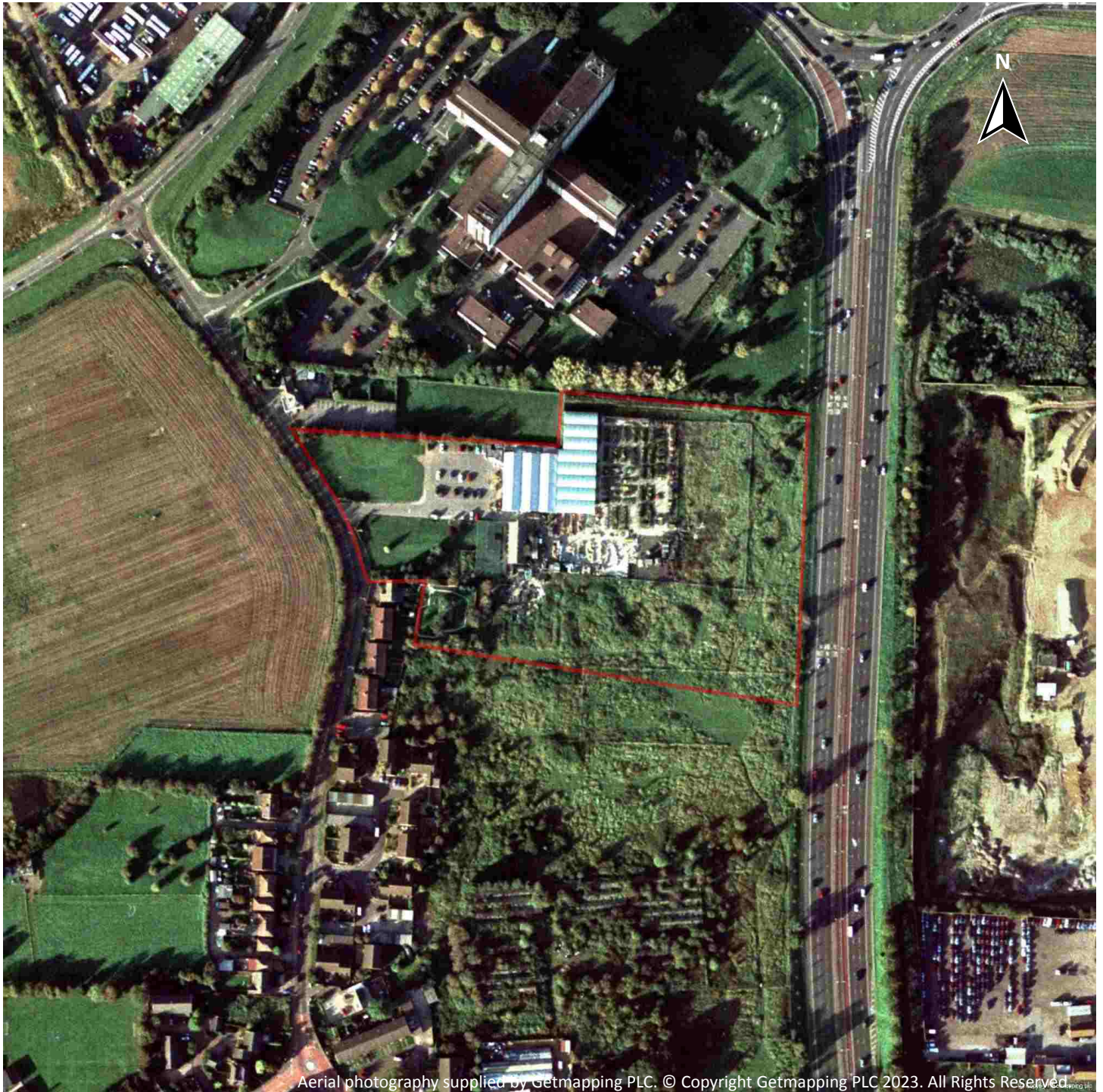
Capture Date: 12/09/2010

Site Area: 3.02ha





## Recent site history - 1999 aerial photograph



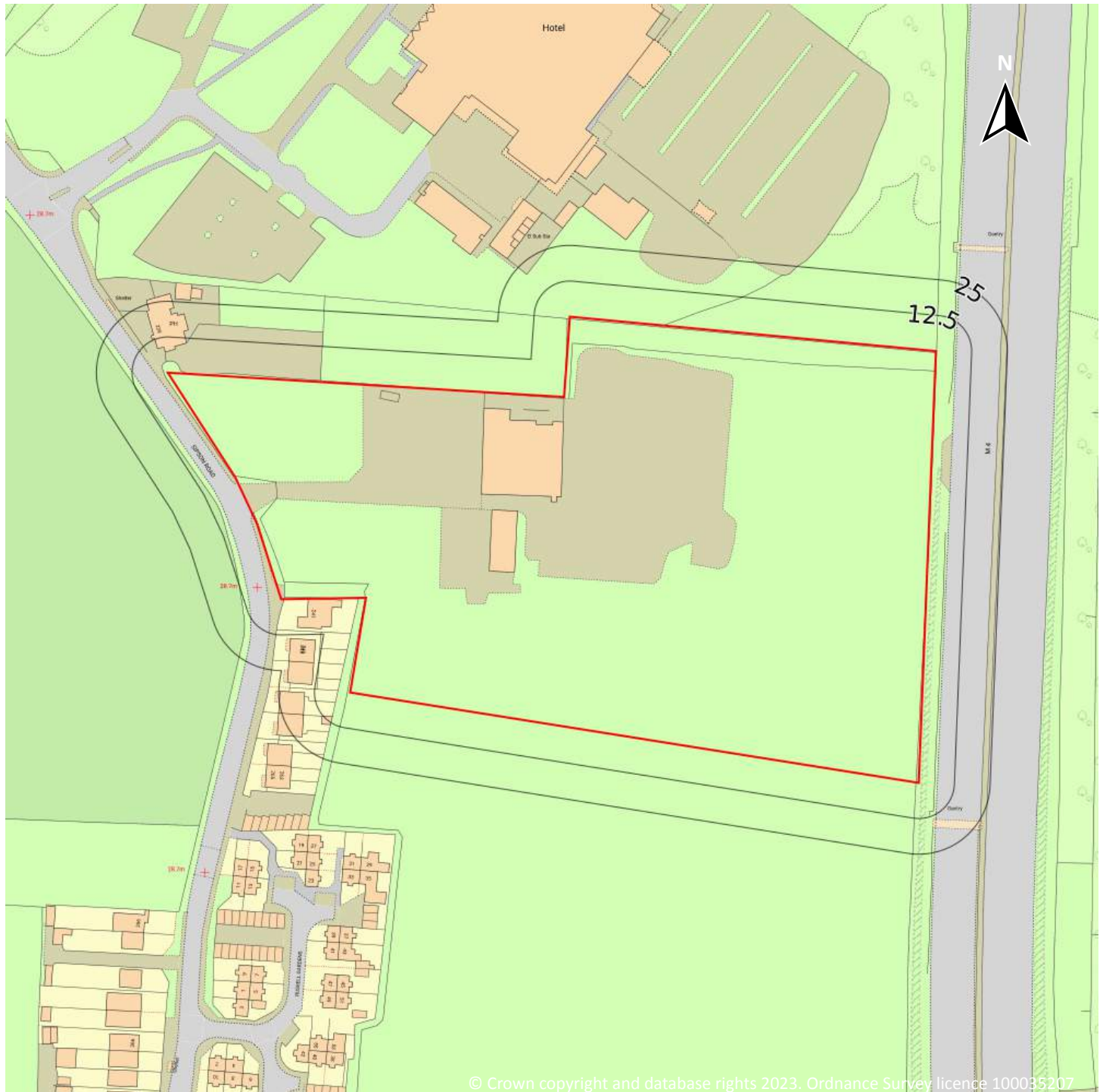
Capture Date: 29/08/1999

Site Area: 3.02ha





## OS MasterMap site plan



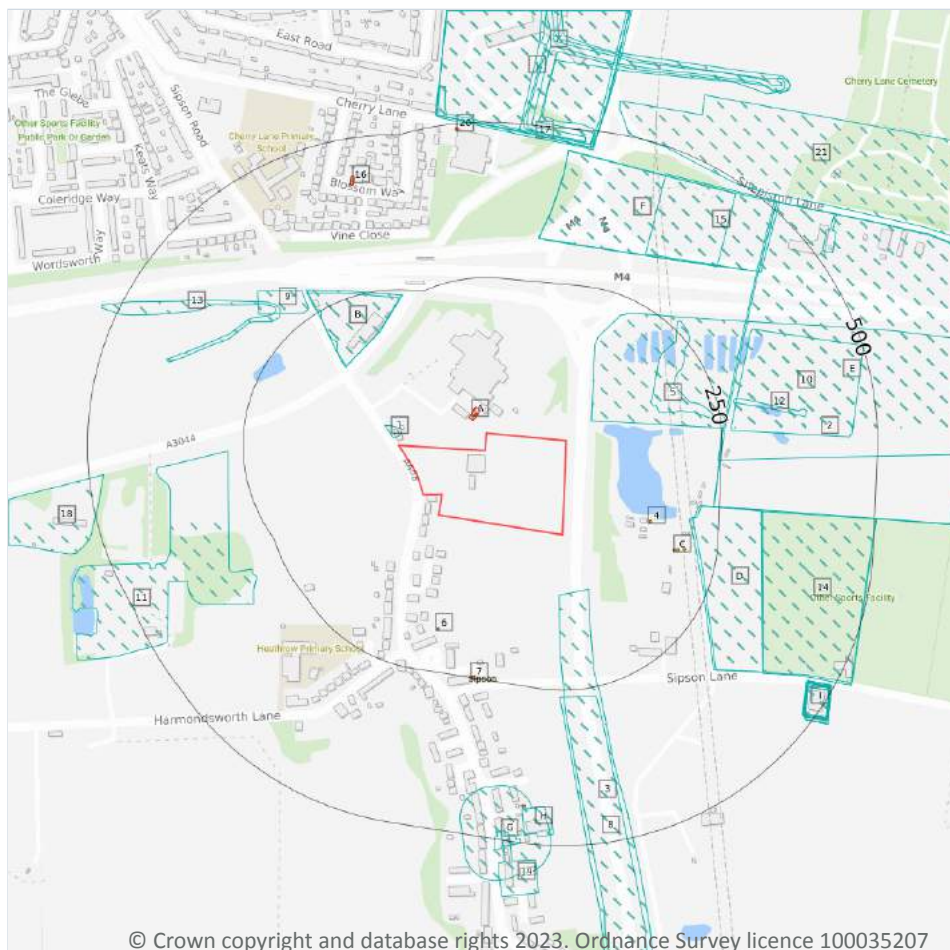
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Site Area: 3.02ha





## 1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

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### 1.1 Historical industrial land uses

#### Records within 500m

45

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
1	14m NW	Gravel Pit	1868	2138871





ID	Location	Land use	Dates present	Group ID
2	52m NE	Nursery	1964	2211866
3	94m SE	Cuttings	1970 - 1987	2189789
5	149m NE	Gravel Pit	1987	2138953
B	152m NW	Nursery	1970	2161326
B	153m NW	Bus Depot	1987	2162575
D	202m E	Nursery	1959	2207512
D	208m E	Nursery	1934	2206145
E	241m E	Nursery	1959	2175304
E	245m E	Nursery	1935	2172269
8	261m S	Cuttings	1964	2263010
9	261m NW	Gas Valve Compound	1987	2146448
10	266m E	Nursery	1938	2273512
11	274m W	Gravel Pit	1987	2138870
12	275m E	Gravel Pit	1987	2138954
13	281m NW	Unspecified Heap	1970	2136297
F	314m NE	Nursery	1935 - 1938	2258231
F	314m NE	Nursery	1959	2179546
14	319m E	Nursery	1935 - 1938	2187333
15	326m NE	Nursery	1938	2252425
G	413m S	Smithy	1912	2289888
H	438m S	Unspecified Works	1970 - 1987	2270324
I	458m SE	Cottage Hospital	1964	2208127
I	459m SE	Hospital	1959	2178353
I	459m SE	Hospital	1970 - 1974	2206214
I	459m SE	Cottage Hospital	1934	2244135
I	459m SE	Cottage Hospital	1912	2263041
I	459m SE	Cottage Hospital	1897	2295197
I	459m SE	Hospital	1935 - 1938	2208076





ID	Location	Land use	Dates present	Group ID
I	459m SE	Hospital	1895	2270471
I	459m SE	Hospital	1912	2282717
I	460m SE	Hospital	1938	2261892
I	464m SE	Hospital	1932	2188150
I	464m SE	Hospital	1898	2207270
17	470m N	Unspecified Ground Workings	1935	2133395
J	473m N	Brick Works	1938	2190340
J	473m N	Brick Works	1913	2265696
K	473m N	Railway Sidings	1913	2191375
J	473m N	Brick Works	1913	2290863
18	476m W	Nursery	1987	2161324
K	478m N	Railway Sidings	1932	2173759
K	482m N	Railway Sidings	1913	2185095
G	484m S	Smithy	1912	2207056
19	486m S	Unspecified Works	1970	2159611
21	492m NE	Cemetery	1964	2242166

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

### Records within 500m

4

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 15](#) >

ID	Location	Land use	Dates present	Group ID
4	139m E	Unspecified Tank	1999	363719
6	180m S	Unspecified Tank	1914 - 1935	398319





ID	Location	Land use	Dates present	Group ID
C	180m E	Unspecified Tank	1999	363718
C	196m E	Unspecified Tank	1999	363717

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.3 Historical energy features

**Records within 500m**

**7**

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	30m N	Electricity Substation	1978	252949
A	32m N	Electricity Substation	1983	254959
A	32m N	Electricity Substation	1995	254572
7	246m S	Electricity Substation	1992	243632
16	425m NW	Electricity Substation	1980 - 1995	266693
H	439m S	Electricity Substation	1992	243633
20	489m N	Electricity Substation	1992 - 1995	275916

*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

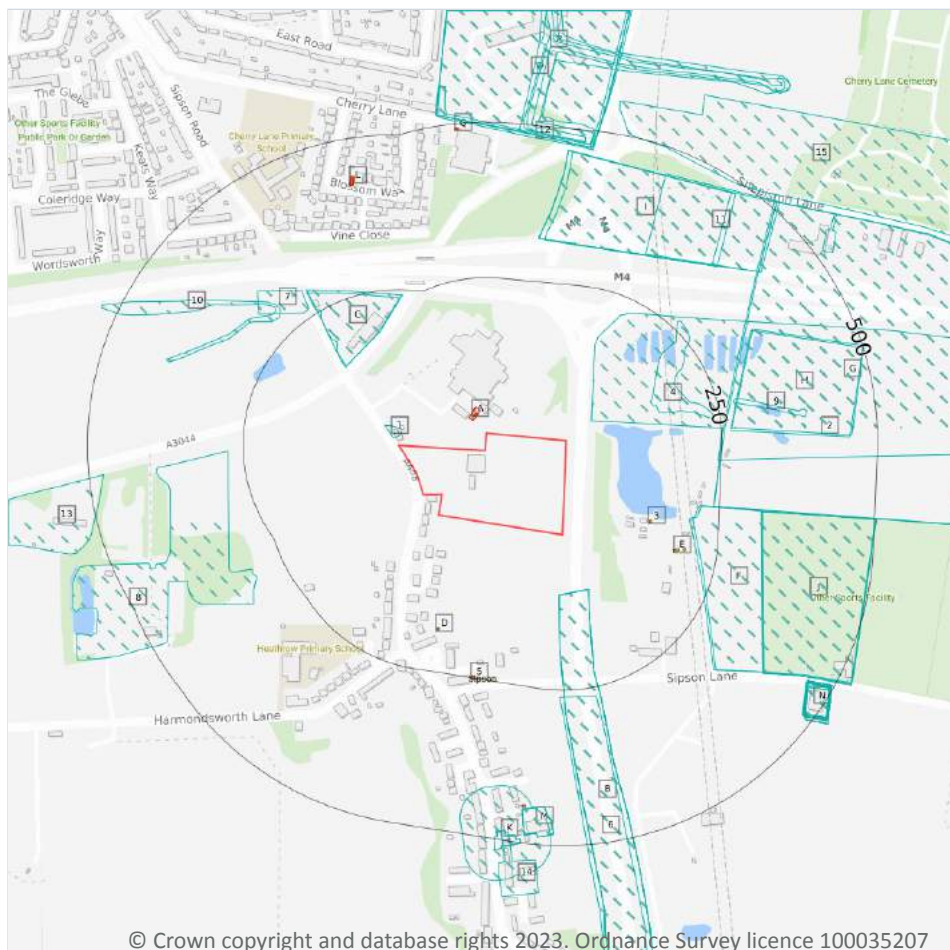
Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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





## 2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

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### 2.1 Historical industrial land uses

Records within 500m

57

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 20](#) >

ID	Location	Land Use	Date	Group ID
1	14m NW	Gravel Pit	1868	2138871
2	52m NE	Nursery	1964	2211866
B	94m SE	Cuttings	1970	2189789





ID	Location	Land Use	Date	Group ID
B	94m SE	Cuttings	1987	2189789
B	94m SE	Cuttings	1974	2189789
4	149m NE	Gravel Pit	1987	2138953
C	152m NW	Nursery	1970	2161326
C	153m NW	Bus Depot	1987	2162575
F	202m E	Nursery	1959	2207512
F	208m E	Nursery	1934	2206145
G	241m E	Nursery	1959	2175304
G	245m E	Nursery	1935	2172269
6	261m S	Cuttings	1964	2263010
7	261m NW	Gas Valve Compound	1987	2146448
H	266m E	Nursery	1938	2273512
H	266m E	Nursery	1938	2273512
8	274m W	Gravel Pit	1987	2138870
9	275m E	Gravel Pit	1987	2138954
10	281m NW	Unspecified Heap	1970	2136297
I	314m NE	Nursery	1938	2258231
I	314m NE	Nursery	1959	2179546
I	314m NE	Nursery	1935	2258231
J	319m E	Nursery	1938	2187333
J	319m E	Nursery	1935	2187333
J	319m E	Nursery	1938	2187333
11	326m NE	Nursery	1938	2252425
K	413m S	Smithy	1912	2289888
M	438m S	Unspecified Works	1970	2270324
M	438m S	Unspecified Works	1987	2270324
M	438m S	Unspecified Works	1974	2270324
N	458m SE	Cottage Hospital	1964	2208127



ID	Location	Land Use	Date	Group ID
N	459m SE	Hospital	1970	2206214
N	459m SE	Hospital	1974	2206214
N	459m SE	Hospital	1959	2178353
N	459m SE	Cottage Hospital	1897	2295197
N	459m SE	Cottage Hospital	1934	2244135
N	459m SE	Cottage Hospital	1912	2263041
N	459m SE	Cottage Hospital	1912	2263041
N	459m SE	Hospital	1938	2208076
N	459m SE	Hospital	1935	2208076
N	459m SE	Hospital	1912	2282717
N	459m SE	Hospital	1895	2270471
N	460m SE	Hospital	1938	2261892
N	464m SE	Hospital	1932	2188150
N	464m SE	Hospital	1898	2207270
12	470m N	Unspecified Ground Workings	1935	2133395
O	473m N	Brick Works	1938	2190340
O	473m N	Brick Works	1913	2265696
P	473m N	Railway Sidings	1913	2191375
O	473m N	Brick Works	1913	2290863
13	476m W	Nursery	1987	2161324
P	478m N	Railway Sidings	1932	2173759
P	482m N	Railway Sidings	1913	2185095
K	484m S	Smithy	1912	2207056
K	484m S	Smithy	1912	2207056
14	486m S	Unspecified Works	1970	2159611
15	492m NE	Cemetery	1964	2242166

*This data is sourced from Ordnance Survey / Groundsure.*





## 2.2 Historical tanks

### Records within 500m

5

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 20 >](#)

ID	Location	Land Use	Date	Group ID
3	139m E	Unspecified Tank	1999	363719
D	180m S	Unspecified Tank	1914	398319
D	180m S	Unspecified Tank	1935	398319
E	180m E	Unspecified Tank	1999	363718
E	196m E	Unspecified Tank	1999	363717

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

### Records within 500m

11

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 20 >](#)

ID	Location	Land Use	Date	Group ID
A	30m N	Electricity Substation	1978	252949
A	32m N	Electricity Substation	1983	254959
A	32m N	Electricity Substation	1995	254572
5	246m S	Electricity Substation	1992	243632
L	425m NW	Electricity Substation	1980	266693
L	425m NW	Electricity Substation	1988	266693
L	425m NW	Electricity Substation	1995	266693
L	425m NW	Electricity Substation	1992	266693
M	439m S	Electricity Substation	1992	243633



ID	Location	Land Use	Date	Group ID
Q	489m N	Electricity Substation	1995	275916
Q	489m N	Electricity Substation	1992	275916

*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**

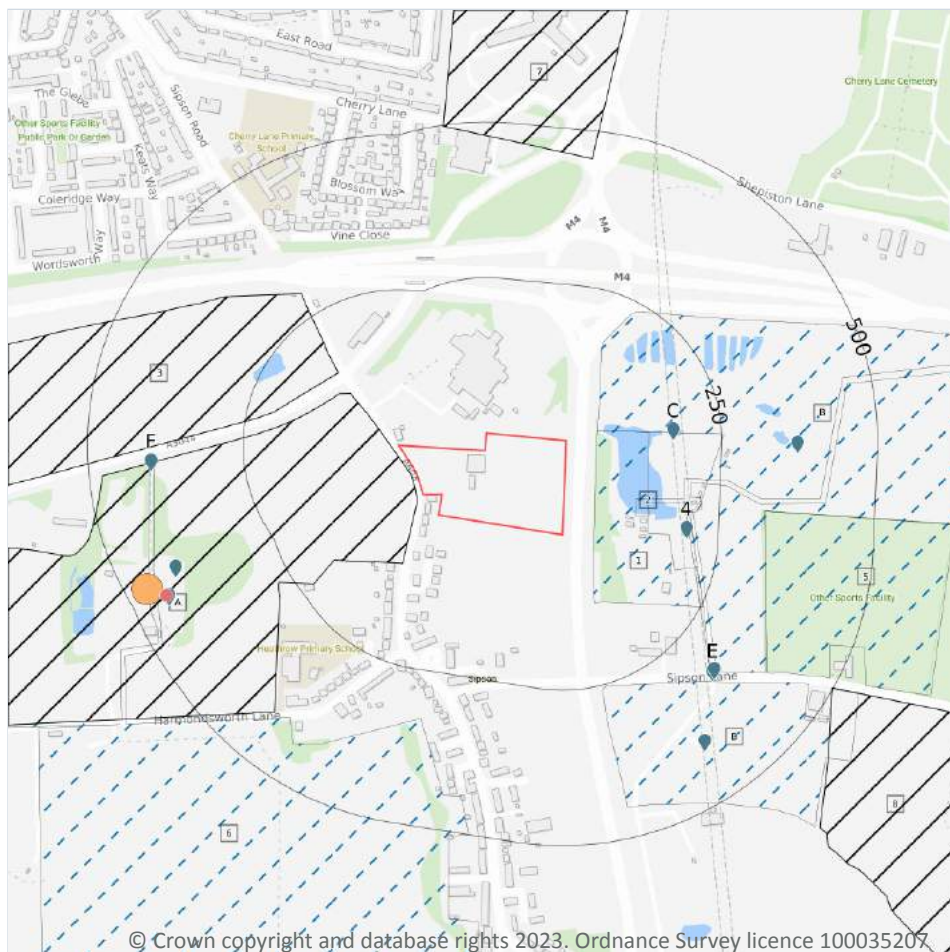
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*





## 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

### 3.1 Active or recent landfill

#### Records within 500m

6

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 25 >](#)

ID	Location	Details	
1	48m E	Operator: Henry Streeter ( Sand & Ballast ) Ltd Site Address: Henry Streeter (Sand & Ballast) Ltd, Wall Garden Farm, Sipson Lane, Sipson, Middlesex	WML Number: 80373 EPR Reference: STR006 Landfill type: A05: Landfill taking Non-Biodegradeable Wastes Status: Closure IPPC Reference: - EPR Number: EA/EPR/YP3591NE/A001



ID	Location	Details	
B	52m NE	Operator: Henry Streeter ( Sand & Ballast ) Ltd Site Address: Henry Streeter (Sand & Ballast) Ltd, North Of Sipson Lane, Harlington, Hayes, Middlesex, UB7 0JG	WML Number: 80067 EPR Reference: STR002 Landfill type: A06: Landfill taking other wastes Status: To PPC IPPC Reference: - EPR Number: EA/EPR/AP3496NQ/A003
2	114m E	Operator: Henry Streeter ( Sand & Ballast ) Ltd Site Address: Sipson Lane, Off Sipson Road, West Drayton, Middlesex, UB7 0JG	WML Number: 80594 EPR Reference: STR008 Landfill type: L05: Inert LF Status: Modified IPPC Reference: - EPR Number: EA/EPR/BT7183IA/V004
D	252m SE	Operator: Henry Streeter ( Sand & Ballast ) Ltd Site Address: Sipson Lane, Off Sipson Road, Sipson, West Drayton, Middlesex, UB7 0JG	WML Number: 80531 EPR Reference: HEN004 Landfill type: A05: Landfill taking Non-Biodegradeable Wastes Status: Modified IPPC Reference: - EPR Number: EA/EPR/TP3597NJ/V003
5	323m E	Operator: Henry Streeter ( Sand & Ballast ) Ltd Site Address: Henry Streeter (Sand & Ballast) Ltd, Little Harlington Field, Sipson Lane, Sipson, Middlesex, UB7 0JG	WML Number: 80070 EPR Reference: STR005 Landfill type: A05: Landfill taking Non-Biodegradeable Wastes Status: Closure IPPC Reference: - EPR Number: EA/EPR/AP3196NW/V003
6	327m S	Operator: SUEZ Recycling and Recovery UK Ltd Site Address: Harmondsworth Landfill Site, Holloway Lane, Sipson, Middlesex, ub7 0ae	WML Number: 0 EPR Reference: - Landfill type: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Status: Effective IPPC Reference: - EPR Number: -

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

### 3.2 Historical landfill (BGS records)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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

4

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 25 >](#)

ID	Location	Details		
A	8m W	Site Address: Holloway Lane Quarry, Holloway Lane Licence Holder Address: Stockley Road, West Drayton, Middlesex	Waste Licence: Yes Site Reference: 8HI028, DL118, HIL033 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/05/1983 Licence Surrender: 28/04/1994	Operator: - Licence Holder: Drinkwater Sabey Limited First Recorded 31/12/1983 Last Recorded: 30/04/1994
3	151m NW	Site Address: Holloway Lane North, Holloway Lane Licence Holder Address: -	Waste Licence: - Site Reference: 8HI029 Waste Type: Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: Gretaer London Council First Recorded 31/12/1963 Last Recorded: 31/12/1970
7	455m N	Site Address: Holiday Inn Golf Club, West Drayton, Hillingdon, London Licence Holder Address: -	Waste Licence: - Site Reference: 8HI026, HIL031 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: S W Boyer First Recorded 31/12/1951 Last Recorded: 31/12/1967



ID	Location	Details		
8	498m SE	Site Address: Imperial College, South of Sipson Lane, Harlington, Middlesex Licence Holder Address: -	Waste Licence: Yes Site Reference: STR030 Waste Type: - Environmental Permitting Regulations (Waste) Reference: TE1/L/STR004 Licence Issue: 05/06/1997 Licence Surrender: -	Operator: - Licence Holder: Henry Streeter (Sand and Ballast) Limited First Recorded 31/12/1997 Last Recorded: -

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

### 3.5 Historical waste sites

<b>Records within 500m</b>	<b>2</b>
----------------------------	----------

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 25 >](#)

ID	Location	Address	Further Details	Date
A	440m W	Site Address: Holloway Lane, Quarry, Sipson, WEST DRAYTON, Hillingdon, UB7 OAE	Type of Site: Waste Reclamation Planning application reference: 00/02598 Description: Scheme comprises conversion of former quarry carpark, to allow storage and sorting of waste materials. Installation of screening plant machinery. An application (ref: 00/02598) for Detailed Planning permission was submitted to Hillingdon L.B. on 29th November 2000. Data source: Historic Planning Application Data Type: Point	-
A	440m W	Site Address: Holloway Lane, Quarry, Holloway Lane, Drinkwater Sabey Ltd, Sipson, WEST DRAYTON, Hillingdon, UB7 OAE	Type of Site: Recycling Centre Planning application reference: 43155APP/2006/91 Description: Scheme comprises processing of inert waste materials involving screening and crushing for the purposes of recycling to produce restoration soils and hardcore aggregates. Construction - hardcore site works. An application (ref: 43155APP/2006/91) for Detailed Planning permission was submitted to Hillingdon L.B. Tender return date September 11th 2006 for a Traditional Contract. Programming and technical details have been given as an indication only. Tenders returned. Data source: Historic Planning Application Data Type: Point	-





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

### 3.6 Licensed waste sites

Records within 500m

24

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

Features are displayed on the Waste and landfill map on [page 25 >](#)

ID	Location	Details		
C	172m E	Site Name: Henry Streeter Wall Garden Farm, Sipson Site Address: Henry Streeter (Sand & Ballast) Ltd, Wall Garden Farm, Sipson Lane, Sipson, Middx Correspondence Address: Henry Streeter (Sand & Ballast) Ltd, 66, Purley Way, Croydon, Surrey, CR9 4BD	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STR006 EPR reference: - Operator: Henry Streeter (Sand & Ballast) Ltd Waste Management licence No: 80373 Annual Tonnage: 0	Issue Date: 15/05/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
C	172m E	Site Name: Wall Garden Farm, Sipson Site Address: Henry Streeter (Sand & Ballast) Limited, Wall Garden Farm, Sipson Lane, Sipson, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 647835 EPR reference: EA/EPR/YP3591NE Operator: Henry Streeter (Sand & Ballast) Limited Waste Management licence No: 80373 Annual Tonnage: 281340	Issue Date: 15/05/1998 Effective Date: 15/05/1998 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 15/05/1998 Status: Closure
4	198m E	Site Name: North Of Sipson Lane, Harlington Site Address: Henry Streeter (Sand & Ballast) Limited, North Of Sipson Lane, Harlington, Hayes, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 650305 EPR reference: EA/EPR/AP3496NQ Operator: Henry Streeter (Sand & Ballast) Limited Waste Management licence No: 80067 Annual Tonnage: 286000	Issue Date: 15/09/1993 Effective Date: 15/09/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 15/09/1993 Status: Expired



ID	Location	Details		
E	326m SE	Site Name: South Of Sipson Lane I I Site Address: Sipson Lane, Off Sipson Road, West Drayton, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Inert LF Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HEN004 EPR reference: TP3597NJ/V002 Operator: Henry Streeter ( Sand & Ballast ) Ltd Waste Management licence No: 80531 Annual Tonnage: 250000	Issue Date: 24/12/2001 Effective Date: - Modified: 28/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	326m SE	Site Name: South Of Sipson Lane I I Site Address: Sipson Lane, Off Sipson Road, Sipson, West Drayton, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking Non- Biodegradeable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HEN004 EPR reference: EA/EPR/TP3597NJ/V003 Operator: Henry Streeter ( Sand & Ballast ) Ltd Waste Management licence No: 80531 Annual Tonnage: 250000	Issue Date: 24/12/2001 Effective Date: - Modified: 29/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	326m SE	Site Name: South Of Sipson Lane I I Site Address: Henry Streeter (Sand & Ballast) Limited, Off Sipson Road, Sipson, West Drayton, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking Non- Biodegradeable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644149 EPR reference: EA/EPR/TP3597NJ Operator: Henry Streeter (Sand & Ballast) Limited Waste Management licence No: 80531 Annual Tonnage: 250000	Issue Date: 24/12/2001 Effective Date: 24/12/2001 Modified: 24/12/2001 Surrendered Date: - Expiry Date: - Cancelled Date: 24/12/2001 Status: Issued
E	326m SE	Site Name: Sipson Combined Inert Landfill Site Address: Henry Streeter (Sand & Ballast) Limited, Sipson Lane, West Drayton, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Inert LF Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 626936 EPR reference: EA/EPR/BT7183IA Operator: Henry Streeter (Sand & Ballast) Limited Waste Management licence No: 80594 Annual Tonnage: 250000	Issue Date: 04/06/2004 Effective Date: 04/06/2004 Modified: 31/03/2008 Surrendered Date: - Expiry Date: - Cancelled Date: 04/06/2004 Status: Issued





ID	Location	Details		
E	327m SE	Site Name: Little Harlington Field, Sipson Site Address: Henry Streeter (Sand & Ballast) Limited, Little Harlington Field, Sipson Lane, Sipson, Middlesex, UB7 0JG Correspondence Address: Henry Streeter (Sand & Ballast) Limited, 66, Purley Way, Croydon, Surrey, CR9 4BD	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STR005 EPR reference: - Operator: Henry Streeter (Sand & Ballast) Ltd Waste Management licence No: 80070 Annual Tonnage: 0	Issue Date: 07/04/1992 Effective Date: - Modified: 27/09/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	327m SE	Site Name: Little Harlington Field, Sipson Site Address: Henry Streeter (Sand & Ballast) Ltd, Little Harlington Field, Sipson Lane, Sipson, Middlesex, UB7 0JG Correspondence Address: Henry Streeter (Sand & Ballast) Ltd, 66, Purley Way, Croydon, Surrey, CR9 4BD	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STR005 EPR reference: - Operator: Henry Streeter (Sand & Ballast) Ltd Waste Management licence No: 80070 Annual Tonnage: 0	Issue Date: 07/04/1992 Effective Date: - Modified: 27/09/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	327m SE	Site Name: Little Harlington Field, Sipson Site Address: Henry Streeter (Sand & Ballast) Ltd, Little Harlington Field, Sipson Lane, Sipson, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STR005 EPR reference: EA/EPR/AP3196NW/V003 Operator: Henry Streeter ( Sand & Ballast ) Ltd Waste Management licence No: 80070 Annual Tonnage: 261000	Issue Date: 07/04/1992 Effective Date: - Modified: 27/09/1994 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	327m SE	Site Name: Little Harlington Field, Sipson Site Address: Henry Streeter (Sand & Ballast) Limited, Little Harlington Field, Sipson Lane, Sipson, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629719 EPR reference: EA/EPR/AP3196NW Operator: Henry Streeter (Sand & Ballast) Limited Waste Management licence No: 80070 Annual Tonnage: 261000	Issue Date: 07/04/1992 Effective Date: 07/04/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 07/04/1992 Status: Closure



ID	Location	Details		
B	371m E	Site Name: North Of Sipson Lane, Harlington Site Address: Henry Streeter (Sand & Ballast) Limited, (north of) Sipson Lane, Harlington, Hayes, Middlesex, UB7 0JG Correspondence Address: Henry Streeter (Sand & Ballast) Limited, 66, Purley Way, Croyden, Surrey, CR9 4BD	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STR002 EPR reference: - Operator: Henry Streeter (Sand & Ballast) Ltd Waste Management licence No: 80067 Annual Tonnage: 0	Issue Date: 15/09/1993 Effective Date: - Modified: 15/09/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	371m E	Site Name: North Of Sipson Lane, Harlington Site Address: Henry Streeter (Sand & Ballast) Ltd, North Of Sipson Lane, Harlington, Hayes, Middlesex, UB7 0JG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STR002 EPR reference: EA/EPR/AP3496NQ/A003 Operator: Henry Streeter ( Sand & Ballast ) Ltd Waste Management licence No: 80067 Annual Tonnage: 286000	Issue Date: 15/09/1993 Effective Date: - Modified: 15/09/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
F	399m W	Site Name: Harmondsworth Lane, Sipson Site Address: SITA Products & Services Ltd, Holloway Lane Quarry, Land South of Harmondsworth Lane, Sipson, West Drayton, Middlesex, UB7 0AE Correspondence Address: SITA Products & Services Ltd, The Pickeridge, Stoke Common Road, Fulmer, Bucks, SL3 6HA	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT005 EPR reference: - Operator: SITA Environment Ltd Waste Management licence No: 80026 Annual Tonnage: 695760	Issue Date: 18/07/1995 Effective Date: - Modified: 25/08/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified





ID	Location	Details		
F	399m W	Site Name: Harmondsworth Lane, Sipson Site Address: SITA Products & Services Ltd, Holloway Lane Quarry, Land South of Harmondsworth Lane, Sipson, West Drayton, Middlesex, UB7 0AE Correspondence Address: SITA Products & Services Ltd, The Pickeridge, Stoke Common Road, Fulmer, Bucks, SL3 6HA	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT005 EPR reference: - Operator: SITA Environment Limited Waste Management licence No: 80026 Annual Tonnage: 695760	Issue Date: 18/07/1995 Effective Date: - Modified: 25/08/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	399m W	Site Name: Harmondsworth L F S Sipson Site Address: SITA Products & Services Ltd, Harmondsworth Landfill, Holloway Lane, Sipson, West Drayton, Middlesex, UB7 0AE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT005 EPR reference: EA/EPR/NP3196NX/V005 Operator: SITA UK Ltd Waste Management licence No: 80026 Annual Tonnage: 360000	Issue Date: 18/07/1995 Effective Date: - Modified: 25/08/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC
D	404m SE	Site Name: Sipson South 2 Extension Site Address: Sipson Lane, West Drayton, Middx, UB7 0JG Correspondence Address: 66, Purley Way, Croydon, Surrey, CR9 4BD	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HEN004 EPR reference: - Operator: Henry Streeter (Sand & Ballast) Limited Waste Management licence No: 80531 Annual Tonnage: 250000	Issue Date: 24/12/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	404m SE	Site Name: Sipson South 2 Extension Site Address: Sipson Lane, West Drayton, Middx, UB7 0JG Correspondence Address: Paul Stockden, 66, Purley Way, Croydon, Surrey, CR9 4BD	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HEN004 EPR reference: - Operator: Henry Streeter (Sand & Ballast) Ltd Waste Management licence No: 80531 Annual Tonnage: 250000	Issue Date: 24/12/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	410m W	Site Name: Holloway Lane Mrf Site Address: Holloway Lane Quarry, Holloway Lane, Sipson, Middx, UB7 0AE Correspondence Address: Narborough Lodge, Huncote Road, Narborough, Leicester, Leics, LE9 5RQ	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT009 EPR reference: - Operator: SITA Environment Ltd Waste Management licence No: 80564 Annual Tonnage: 0	Issue Date: 20/09/2002 Effective Date: - Modified: 04/07/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	410m W	Site Name: Holloway Lane M R F Site Address: Holloway Lane Quarry, Holloway Lane, Sipson, Middx, UB7 0AE Correspondence Address: Narborough Lodge, Huncote Road, Narborough, Leicester, Leics, LE9 5RQ	Type of Site: Material Recycling Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT009 EPR reference: - Operator: SITA Environment Limited Waste Management licence No: 80564 Annual Tonnage: 0	Issue Date: 20/09/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	410m W	Site Name: Holloway Lane M R F Site Address: Holloway Lane Quarry, Holloway Lane, Sipson, West Drayton, Middlesex, UB7 0AE Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT009 EPR reference: EA/EPR/FP3697NH/V002 Operator: Sita Environment Ltd Waste Management licence No: 80564 Annual Tonnage: 149999	Issue Date: 20/09/2002 Effective Date: - Modified: 23/10/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified





ID	Location	Details		
A	440m W	Site Name: Holloway Lane Materials Recycling Facility Site Address: Holloway Lane M R F, Holloway Lane, Sipson, West Drayton, Middlesex, UB7 OAE Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT751 EPR reference: EA/EPR/KB3935RF/T001 Operator: Iver Recycling ( U K ) Limited Waste Management licence No: 80564 Annual Tonnage: 149999	Issue Date: 20/09/2002 Effective Date: 26/10/2012 Modified: 23/10/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	440m W	Site Name: Holloway Lane Materials Recycling Facility Site Address: Holloway Lane M R F, Holloway Lane, Sipson, West Drayton, Middlesex, UB7 OAE Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT751 EPR reference: EA/EPR/KB3935RF/T001 Operator: Iver Recycling ( U K ) Limited Waste Management licence No: 80564 Annual Tonnage: 149999	Issue Date: 20/09/2002 Effective Date: 26/10/2012 Modified: 23/10/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	440m W	Site Name: Holloway Lane Materials Recycling Facility Site Address: Powerday Plc, Holloway Lane M R F, Holloway Lane, Sipson, West Drayton, Middlesex, UB7 OAE Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 628905 EPR reference: EA/EPR/JB3400HB Operator: Powerday Plc Waste Management licence No: 80564 Annual Tonnage: 149999	Issue Date: 20/09/2002 Effective Date: 20/09/2002 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: 20/09/2002 Status: Issued

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

### 3.7 Waste exemptions

#### Records within 500m

2

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 25 >](#)



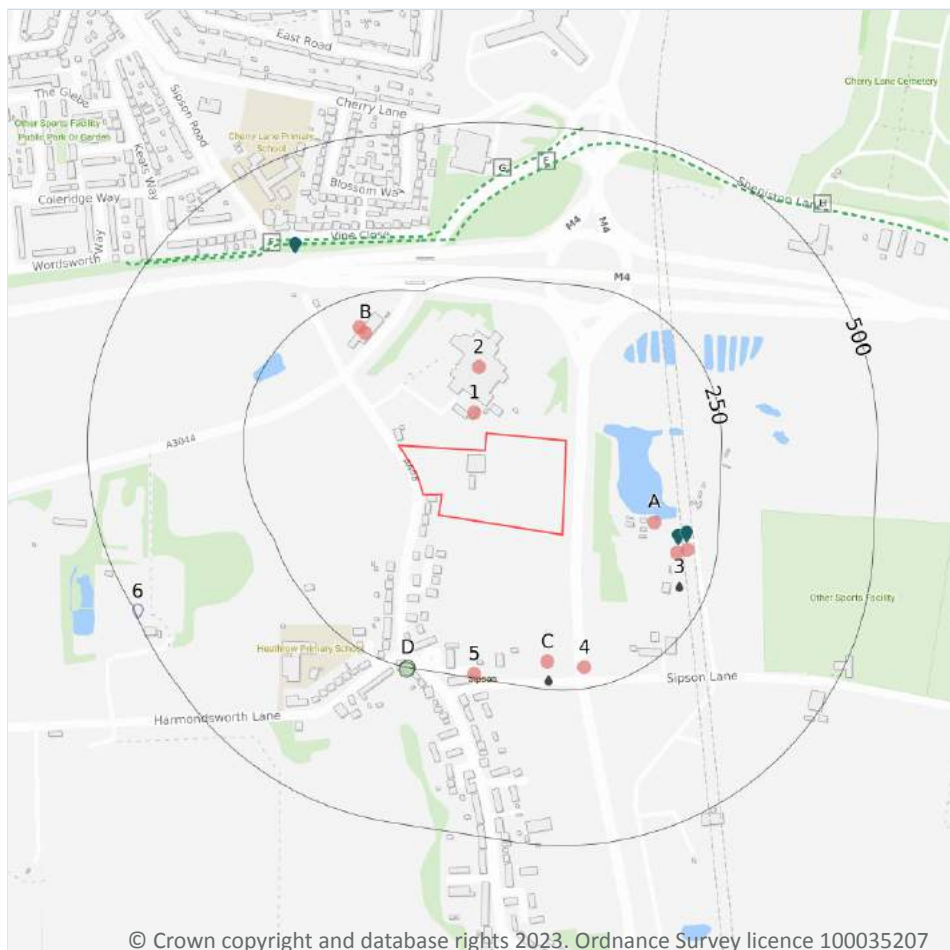
ID	Location	Site	Reference	Category	Sub-Category	Description
A	445m W	Holloway Lane Materials Recycling Facility Holloway Lane WEST DRAYTON Middlesex UB7 0AE	EPR/BF0303G B/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	445m W	Holloway Lane Materials Recycling Facility Holloway Lane WEST DRAYTON Middlesex UB7 0AE	EPR/VF0309GT /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)

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





## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Electricity cables
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

Records within 250m

10

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 37 >](#)

ID	Location	Company	Address	Activity	Category
1	38m N	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities
2	107m N	Green Motion	Holiday Inn Hotel, Sipson Road, Sipson, West Drayton, Greater London, UB7 0JU	Vehicle Hire and Rental	Hire Services
A	147m E	Tank	Greater London, UB7	Tanks (Generic)	Industrial Features



ID	Location	Company	Address	Activity	Category
A	186m E	Tank	Greater London, UB7	Tanks (Generic)	Industrial Features
B	189m NW	C C H Aviation Logistics	Heathrow Coach Centre, Sipson Road, West Drayton, Greater London, UB7 0HN	Airlines and Airline Services	Transport, Storage and Delivery
B	200m NW	Bus Depot	Greater London, UB7	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
A	203m E	Tank	Greater London, UB7	Tanks (Generic)	Industrial Features
C	206m S	Mast	Greater London, UB7	Telecommunications Features	Infrastructure and Facilities
4	217m SE	Gantry	Greater London, UB7	Travelling Cranes and Gantries	Industrial Features
5	243m S	Electricity Sub Station	Greater London, UB7	Electrical Features	Infrastructure and Facilities

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

<b>Records within 500m</b>	<b>0</b>
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Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

<b>Records within 500m</b>	<b>18</b>
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High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on [page 37 >](#)

ID	Location	Cable Set	Cable Route	Details	
E	315m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
E	315m N	IVER-NORTH HYDE 11 CABLE SECT 21	IVER - NORTH HYDE 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No





ID	Location	Cable Set	Cable Route	Details	
E	316m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
E	316m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	327m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	327m N	IVER-NORTH HYDE 11 CABLE SECT 20	IVER - NORTH HYDE 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
F	328m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	328m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	331m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
G	331m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	331m N	IVER-NORTH HYDE 12 CABLE SECT 20	IVER - NORTH HYDE 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? Not specified
G	331m N	IVER-NORTH HYDE 12 CABLE SECT 21	IVER - NORTH HYDE 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? Not specified
F	332m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
G	332m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
H	486m NE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified



ID	Location	Cable Set	Cable Route	Details	
H	486m NE	IVER-NORTH HYDE 11 CABLE SECT 22	IVER - NORTH HYDE 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
H	487m NE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
H	487m NE	-	-	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

0

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.

*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

0

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.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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.

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

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

1

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 37](#) >

ID	Location	Details	
6	496m W	Operator: SUEZ Recycling and Recovery UK Ltd Installation Name: Harmondsworth Landfill Site EPR/NP3139PK Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: NP3335RX Original Permit Number: NP3139PK	EPR Reference: - Issue Date: 05/12/2016 Effective Date: 05/12/2016 Last date noted as effective: 21/03/2023 Status: Superseded

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

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

### Records within 500m

**3**

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 37 >](#)

ID	Location	Address	Details	
A	185m E	London Concrete Sibson, Sipson Lane, Harlington, Hayes, Middlesex, UB7 0JG	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
A	198m E	Rmc South East West Drayton, Sipson Road, West Drayton, Middlesex, UB7 0JG	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
F	362m NW	Euro Garages Ltd, Euro Garages Heathrow North S/Stn, Shepiston Lane, Hayes, UB3 1LL	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement 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

**3**

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 37 >](#)





ID	Location	Address	Details	
3	205m SE	WALL GARDEN FARM, SIPSON LANE, SIPS, WALL GARDEN FARM, SIPSON LANE, S, IPSON, WEST DRAYTON, MIDDLESEX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTWC.2544 Permit Version: 1 Receiving Water: BRICEARTH AND RIVER GRAVEL	Status: TRANSFERRED FROM COPA 1974 Issue date: 21/06/1988 Effective Date: 21/06/1988 Revocation Date: 28/11/2006
C	234m S	Sipson Lane, West Drayton, Sipson Lane, West Drayton	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1912 Permit Version: 2 Receiving Water: Colne	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 13/10/2015
C	234m S	Sipson Lane, West Drayton, Sipson Lane, West Drayton	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.1912 Permit Version: 1 Receiving Water: COLNE	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010

*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

0

Discharges of Special Category Effluents to the public sewer.

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

#### 4.16 List 1 Dangerous Substances

Records within 500m

0

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.

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



## 4.17 List 2 Dangerous Substances

Records within 500m

0

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.

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

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

2

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 37](#) >

ID	Location	Details	
D	250m SW	Incident Date: 06/03/2003 Incident Identification: 141566 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Ammonia/Amine Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	253m SW	Incident Date: 08/02/2003 Incident Identification: 135719 Pollutant: Contaminated Water Pollutant Description: Landfill Leachate	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

## 4.19 Pollution inventory substances

Records within 500m

0

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.

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



## 4.20 Pollution inventory waste transfers

**Records within 500m****0**

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.

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

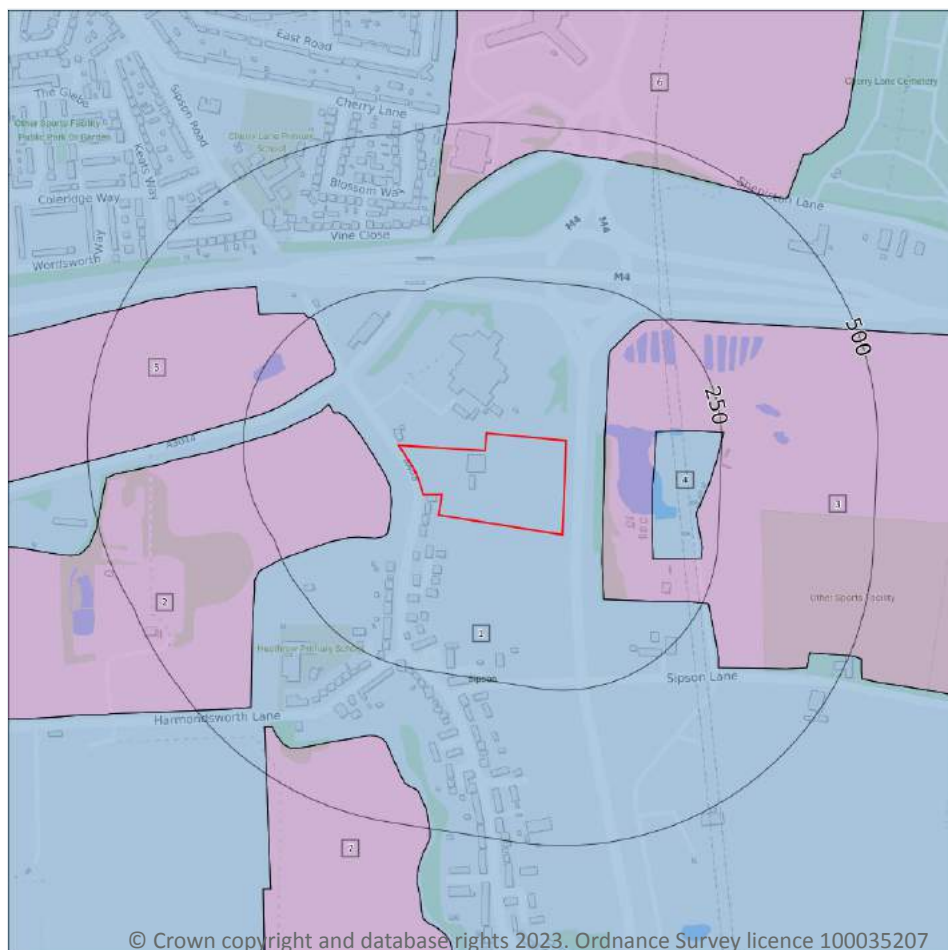
## 4.21 Pollution inventory radioactive waste

**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



- Site Outline
- Search buffers in metres (m)
- Principal
  - Secondary A
  - Secondary B
  - Secondary Undifferentiated
  - Unproductive
  - Unknown

### 5.1 Superficial aquifer

Records within 500m

7

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 46](#) >

ID	Location	Designation	Description
1	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	43m W	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers



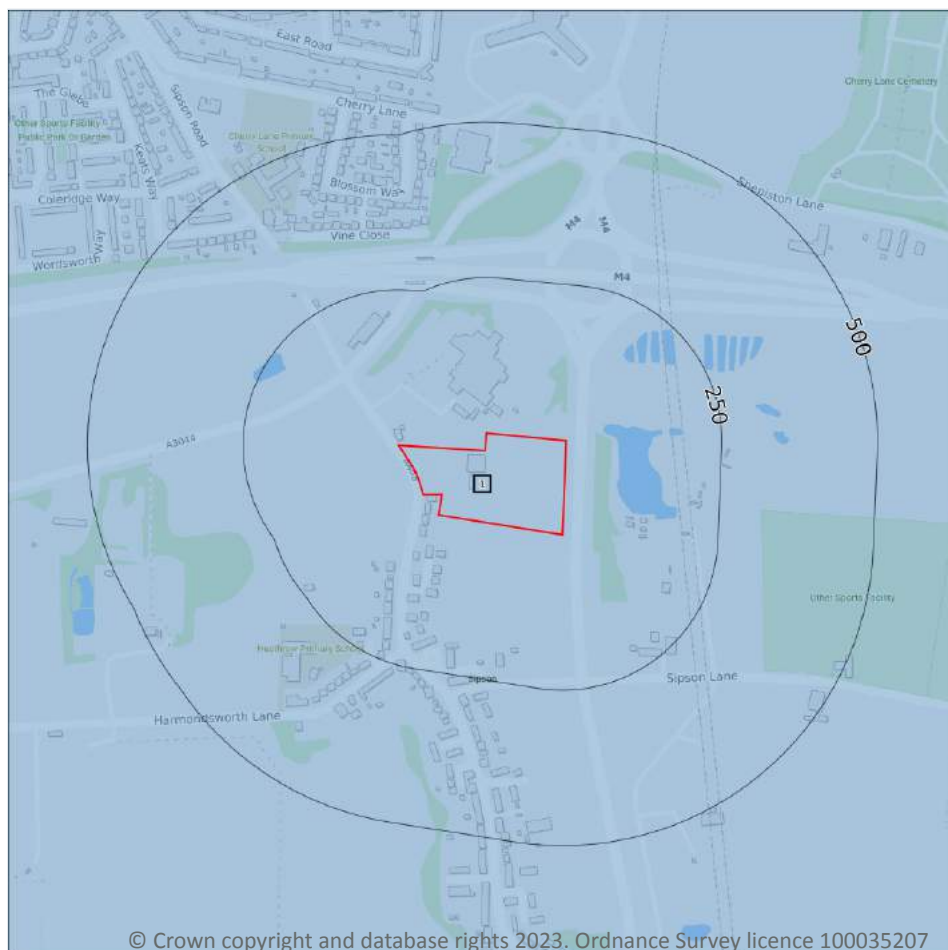


ID	Location	Designation	Description
3	62m E	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	141m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	156m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
6	334m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
7	369m SW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



## Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
  - Secondary A
  - Secondary B
  - Secondary Undifferentiated
  - Unproductive

## 5.2 Bedrock aquifer

### Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 48](#) >

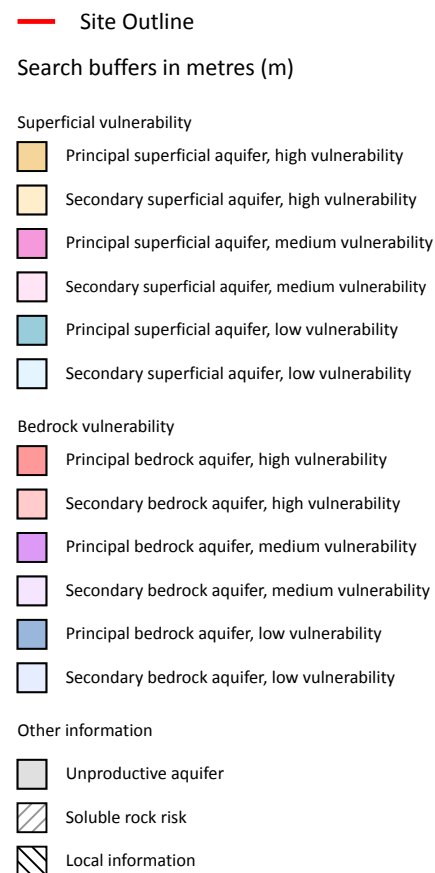
ID	Location	Designation	Description
1	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

*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

2

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 49](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Unproductive aquifer (may have productive aquifer beneath) <b>Combined classification:</b> Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	<b>Leaching class:</b> Intermediate <b>Infiltration value:</b> >70% <b>Dilution value:</b> 300-550mm/year	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Thickness:</b> 3-10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Flow mechanism:</b> Mixed
3	43m W	<b>Summary Classification:</b> Principal superficial aquifer - Medium Vulnerability <b>Combined classification:</b> Unproductive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> Intermediate <b>Infiltration value:</b> >70% <b>Dilution value:</b> 300-550mm/year	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Principal <b>Thickness:</b> 3-10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> High	<b>Vulnerability:</b> Unproductive <b>Aquifer type:</b> Unproductive <b>Flow mechanism:</b> Mixed

*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

0

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

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

## 5.5 Groundwater vulnerability- local information

### Records on site

1

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](mailto:enquiries@environment-agency.gov.uk) ↗.

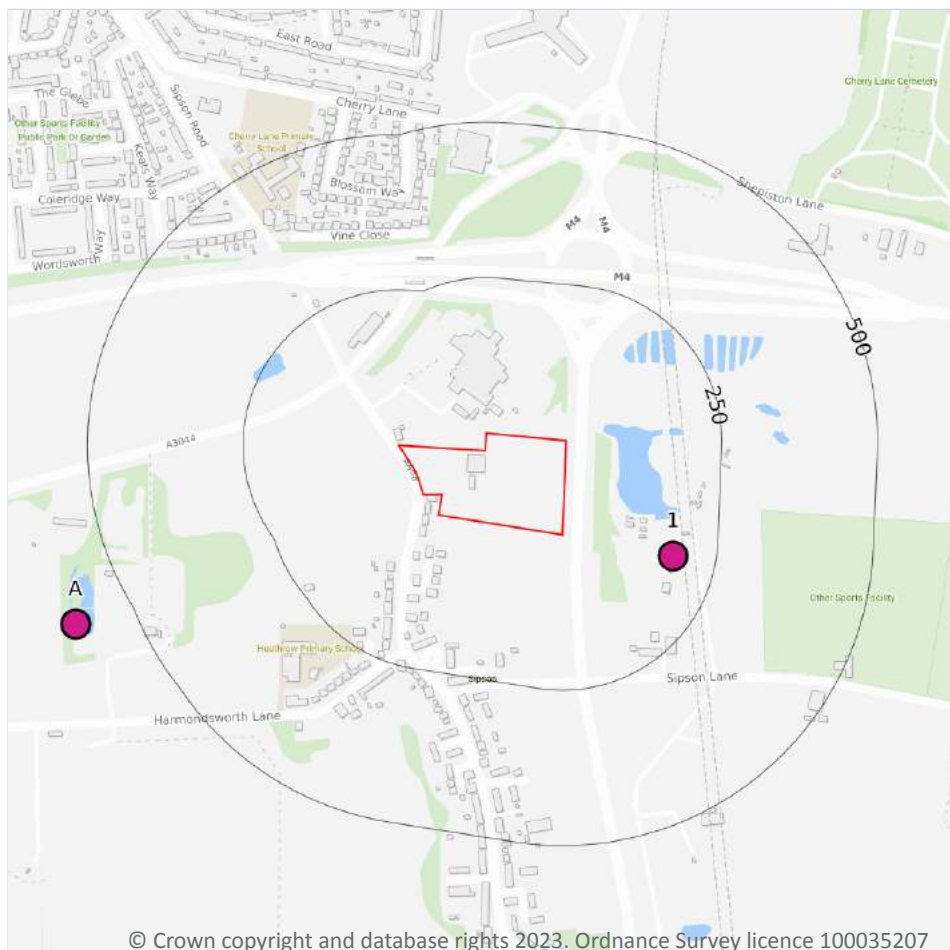
ID	Summary	Additional information
2	Highly vulnerable Principal superficial aquifer present in river terrace gravels	Principal superficial aquifer in river terrace gravels with only a thin cover of low permeability silts and/or alluvium (shown as unproductive)

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





## Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1  
Inner catchment
- Source Protection Zone 2  
Outer catchment
- Source Protection Zone 3  
Total catchment
- Source Protection Zone 4  
Zone of Special Interest
- Source Protection Zone 1c  
Inner catchment - confined aquifer
- Source Protection Zone 2c  
Outer catchment - confined aquifer
- Source Protection Zone 3c  
Total catchment - confined aquifer
- Drinking water abstraction licences  
Polygon features
- Drinking water abstraction licences  
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

### 5.6 Groundwater abstractions

Records within 2000m

23

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 51](#) >

ID	Location	Details	
1	180m SE	Status: Active Licence No: 28/39/36/0059 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: WET PIT AT SIPSON LANE, HARMONDSWORTH Data Type: Point Name: Harleyford Aggregates Limited Easting: 507600 Northing: 178100	Annual Volume (m <sup>3</sup> ): 649318 Max Daily Volume (m <sup>3</sup> ): 2455 Original Application No: NPS/WR/022219 Original Start Date: 06/12/1994 Expiry Date: - Issue No: 102 Version Start Date: 18/04/2016 Version End Date: -
A	593m W	Status: Historical Licence No: 28/39/36/0070 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: HARMONDSWORTH QUARRY, WEST DRAYTON-BOREHOLE A Data Type: Point Name: SITA PRODUCTS AND SERVICES LTD Easting: 506640 Northing: 177990	Annual Volume (m <sup>3</sup> ): 617760 Max Daily Volume (m <sup>3</sup> ): 2160 Original Application No: - Original Start Date: 28/01/2003 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 28/01/2003 Version End Date: -
A	593m W	Status: Historical Licence No: 28/39/36/0070 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: HARMONDSWORTH QUARRY, WEST DRAYTON-LAGOON Data Type: Point Name: SITA ENVIRONMENT LIMITED Easting: 506640 Northing: 177990	Annual Volume (m <sup>3</sup> ): 617760 Max Daily Volume (m <sup>3</sup> ): 2160 Original Application No: - Original Start Date: 28/01/2003 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 26/01/2009 Version End Date: -
-	1042m S	Status: Active Licence No: TH/039/0036/017 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT PARK INN HOTEL, BATH ROAD Data Type: Point Name: Park Hotel Heathrow Limited Easting: 507590 Northing: 177105	Annual Volume (m <sup>3</sup> ): 43800 Max Daily Volume (m <sup>3</sup> ): 120 Original Application No: NPS/WR/022592 Original Start Date: 29/09/2016 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 29/09/2016 Version End Date: -





ID	Location	Details	
-	1184m SW	Status: Active Licence No: 28/39/36/0023 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'C' AT HOME FARM, HARMONDSWORTH Data Type: Point Name: BARWICK Easting: 506460 Northing: 177260	Annual Volume (m <sup>3</sup> ): 28108 Max Daily Volume (m <sup>3</sup> ): 1309 Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/07/2001 Version End Date: -
-	1184m SW	Status: Active Licence No: 28/39/36/0023 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'C' AT HOME FARM, HARMONDSWORTH Data Type: Point Name: BARWICK Easting: 506460 Northing: 177260	Annual Volume (m <sup>3</sup> ): 28108 Max Daily Volume (m <sup>3</sup> ): 1309 Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/07/2001 Version End Date: -
-	1230m SW	Status: Active Licence No: 28/39/36/0023 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT HOME FARM, HARMONDSWORTH Data Type: Point Name: BARWICK Easting: 506130 Northing: 177590	Annual Volume (m <sup>3</sup> ): 28108 Max Daily Volume (m <sup>3</sup> ): 1309 Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/07/2001 Version End Date: -
-	1230m SW	Status: Active Licence No: 28/39/36/0023 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT HOME FARM, HARMONDSWORTH Data Type: Point Name: BARWICK Easting: 506130 Northing: 177590	Annual Volume (m <sup>3</sup> ): 28108 Max Daily Volume (m <sup>3</sup> ): 1309 Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/07/2001 Version End Date: -

ID	Location	Details	
-	1268m SW	Status: Historical Licence No: 28/39/36/0023 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'C' AT HOME FARM, HARMONSWORTH Data Type: Point Name: BARWICK Easting: 506400 Northing: 177200	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -
-	1268m SW	Status: Historical Licence No: 28/39/36/0023 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'C' AT HOME FARM, HARMONSWORTH Data Type: Point Name: BARWICK Easting: 506400 Northing: 177200	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -
-	1302m SW	Status: Historical Licence No: 28/39/36/0023 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT HOME FARM, HARMONSWORTH Data Type: Point Name: BARWICK Easting: 506100 Northing: 177500	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -
-	1302m SW	Status: Historical Licence No: 28/39/36/0023 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT HOME FARM, HARMONSWORTH Data Type: Point Name: BARWICK Easting: 506100 Northing: 177500	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -



ID	Location	Details	
-	1358m W	Status: Active Licence No: 28/39/36/0023 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT HOME FARM, HARMONDSWORTH Data Type: Point Name: BARWICK Easting: 505930 Northing: 177700	Annual Volume (m <sup>3</sup> ): 28108 Max Daily Volume (m <sup>3</sup> ): 1309 Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/07/2001 Version End Date: -
-	1358m W	Status: Active Licence No: 28/39/36/0023 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT HOME FARM, HARMONDSWORTH Data Type: Point Name: BARWICK Easting: 505930 Northing: 177700	Annual Volume (m <sup>3</sup> ): 28108 Max Daily Volume (m <sup>3</sup> ): 1309 Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/07/2001 Version End Date: -
-	1385m W	Status: Historical Licence No: 28/39/36/0023 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT HOME FARM, HARMONSWORTH Data Type: Point Name: BARWICK Easting: 505900 Northing: 177700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -
-	1385m W	Status: Historical Licence No: 28/39/36/0023 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT HOME FARM, HARMONSWORTH Data Type: Point Name: BARWICK Easting: 505900 Northing: 177700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 13/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 25/09/1996 Version End Date: -

ID	Location	Details	
-	1790m N	Status: Active Licence No: TH/039/0036/004/R01 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: Prologis UK CCCIX SARL Easting: 507412 Northing: 180084	Annual Volume (m <sup>3</sup> ): 3500 Max Daily Volume (m <sup>3</sup> ): 50 Original Application No: NPS/WR/026745 Original Start Date: 01/04/2019 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -
-	1813m NE	Status: Active Licence No: TH/039/0036/024 Details: Trickle Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: UNLINED LAGOON WITHIN GRAVELS AT STOCKLEY PARK, UXBRIDGE Data Type: Point Name: Stockley Park Estates Company Limited Easting: 508085 Northing: 179976	Annual Volume (m <sup>3</sup> ): 15606 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: NPS/NA/001732 Original Start Date: 07/09/2022 Expiry Date: 31/03/2038 Issue No: 1 Version Start Date: 07/09/2022 Version End Date: -
-	1939m N	Status: Historical Licence No: 28/39/36/0067 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT STOCKLEY PARK (PHASE 3) Data Type: Point Name: STOCKLEY PARK PHASE 3 LIMITED Easting: 507460 Northing: 180230	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 05/03/2001 Expiry Date: 31-Dec-09 Issue No: 1 Version Start Date: 05/03/2001 Version End Date: -
-	1939m N	Status: Historical Licence No: 28/39/36/0067 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: STOCKLEY PARK WEST LIMITED Easting: 507460 Northing: 180230	Annual Volume (m <sup>3</sup> ): 45411 Max Daily Volume (m <sup>3</sup> ): 604.8 Original Application No: - Original Start Date: 05/03/2001 Expiry Date: 31/12/2009 Issue No: 3 Version Start Date: 07/12/2007 Version End Date: -
-	1939m N	Status: Historical Licence No: TH/039/0036/004 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: Horton Road Limited Easting: 507460 Northing: 180230	Annual Volume (m <sup>3</sup> ): 45411 Max Daily Volume (m <sup>3</sup> ): 604.8 Original Application No: - Original Start Date: 02/02/2010 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 24/09/2015 Version End Date: -





ID	Location	Details	
-	1939m N	Status: Historical Licence No: TH/039/0036/004 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: STOCKLEY PARK (PHASE 3)- BOREHOLE A Data Type: Point Name: Prologis UK CCCIX SARL Easting: 507460 Northing: 180230	Annual Volume (m <sup>3</sup> ): 45411 Max Daily Volume (m <sup>3</sup> ): 604.8 Original Application No: - Original Start Date: 02/02/2010 Expiry Date: 31/03/2019 Issue No: 4 Version Start Date: 14/09/2018 Version End Date: -
-	1982m E	Status: Active Licence No: 28/39/36/0060 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: WET PIT AT HIGH STREET, HARLINGTON, MIDDLESEX Data Type: Point Name: Harleyford Aggregates Limited Easting: 509400 Northing: 178000	Annual Volume (m <sup>3</sup> ): 649318 Max Daily Volume (m <sup>3</sup> ): 2455 Original Application No: NPS/WR/027025 Original Start Date: 06/12/1994 Expiry Date: - Issue No: 103 Version Start Date: 23/01/2018 Version End Date: -

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

## 5.7 Surface water abstractions

### Records within 2000m

3

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 51 >](#)

ID	Location	Details	
-	1539m N	Status: Historical Licence No: 28/39/36/0038 Details: Dust suppression Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GRAND UNION CANAL FRONTAGE AT WEST DRAYTON Data Type: Line Name: BRITISH WATERWAYS BOARD Easting: 507700 Northing: 179800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 26/03/1976 Expiry Date: - Issue No: 100 Version Start Date: 28/02/1995 Version End Date: -



ID	Location	Details	
-	1640m N	Status: Historical Licence No: 28/39/36/0038 Details: Process Water Direct Source: THAMES SURFACE WATER - NON TIDAL Point: GRAND UNION CANAL AT STOCKLEY ROAD, WEST DRAYTON. Data Type: Line Name: Canal and River Trust Easting: 507770 Northing: 179890	Annual Volume (m <sup>3</sup> ): 24000 Max Daily Volume (m <sup>3</sup> ): 160 Original Application No: - Original Start Date: 26/03/1976 Expiry Date: - Issue No: 102 Version Start Date: 17/12/2007 Version End Date: -
-	1769m W	Status: Historical Licence No: 28/39/28/0530 Details: Make-Up or Top Up Water Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER COLNE AT PROSPECT PARK, WEST DRAYTON Data Type: Point Name: BRITISH AIRWAYS PLC Easting: 505390 Northing: 178300	Annual Volume (m <sup>3</sup> ): 7300 Max Daily Volume (m <sup>3</sup> ): 480 Original Application No: - Original Start Date: 09/05/1997 Expiry Date: 31/03/2007 Issue No: 100 Version Start Date: 24/03/1998 Version End Date: -

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

## 5.8 Potable abstractions

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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.

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

## 5.9 Source Protection Zones

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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

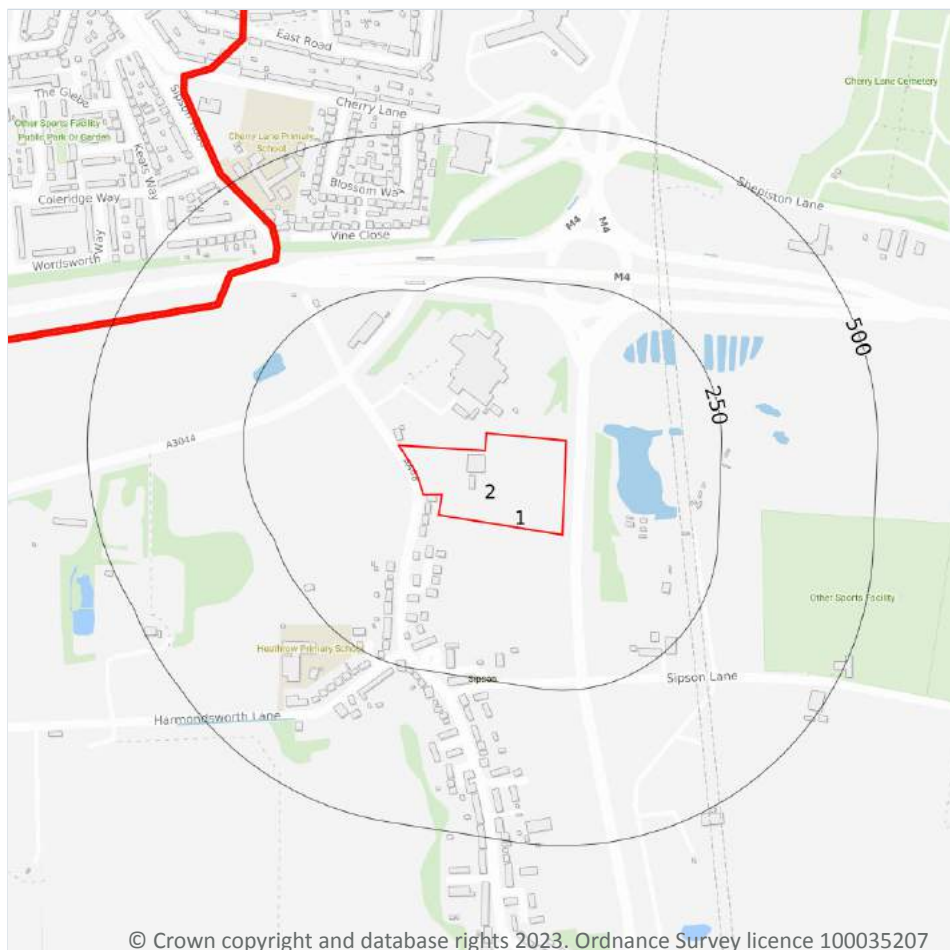
0

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



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

### 6.1 Water Network (OS MasterMap)

Records within 250m

0

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

*This data is sourced from the Ordnance Survey.*

### 6.2 Surface water features

Records within 250m

7

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 60 >](#)

*This data is sourced from the Ordnance Survey.*

### 6.3 WFD Surface water body catchments

<b>Records on site</b>	<b>1</b>
------------------------	----------

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 60 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Crane	GB106039023030	Crane Rivers and Lakes	London

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

### 6.4 WFD Surface water bodies

<b>Records identified</b>	<b>1</b>
---------------------------	----------

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 60 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2797m E	River	Crane	<a href="#">GB106039023030</a> ↗	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.

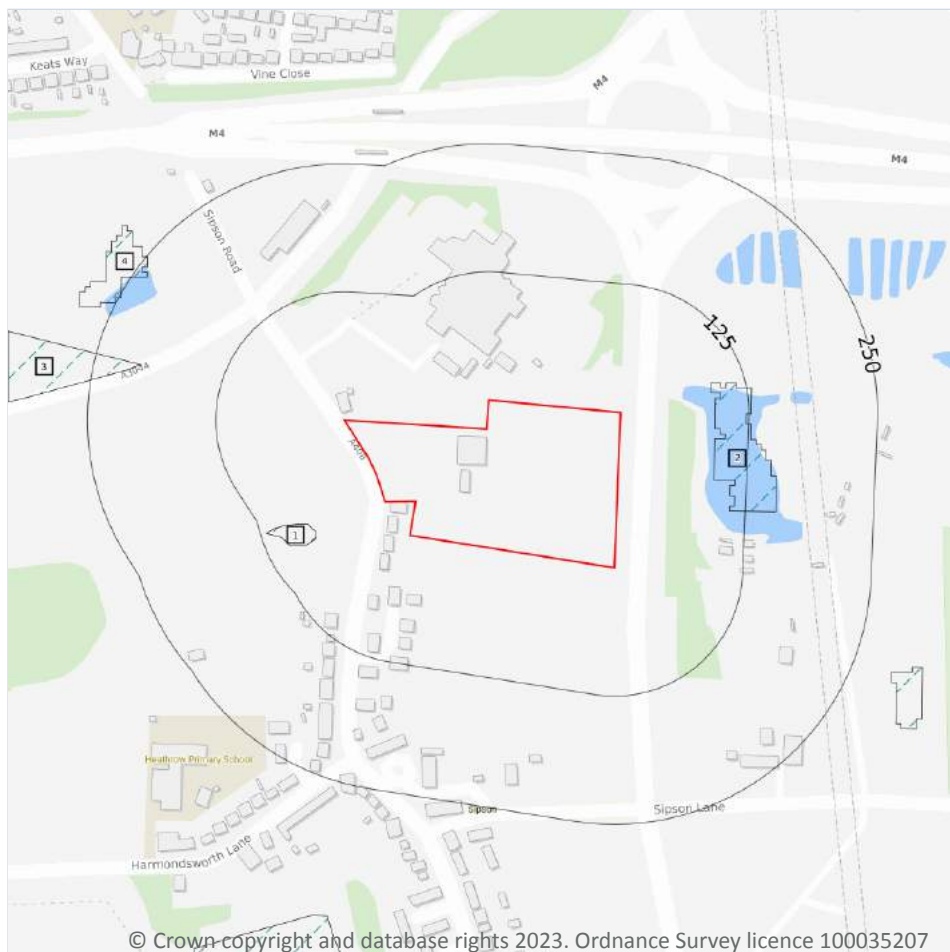
Features are displayed on the Hydrology map on [page 60](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Lower Thames Gravels	<a href="#">GB40603G000300</a> ↗	Poor	Good	Poor	2019

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



## 7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

### 7.1 Risk of flooding from rivers and the sea

#### Records within 50m

0

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).

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



## 7.2 Historical Flood Events

Records within 250m

4

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 63](#) >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	74m W	06januarynewyear2003	2002-12-23 2003-01-12	Sewer	Channel capacity exceeded (no raised defences)	Fluvial
2	90m NE	South West England	2014-01-30 2014-02-10	Unclassified	Unclassified	No data
3	205m W	06januarynewyear2003	2002-12-23 2003-01-12	Sewer	Channel capacity exceeded (no raised defences)	Fluvial
4	237m NW	South West England	2014-01-30 2014-02-10	Unclassified	Unclassified	No data

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

## 7.3 Flood Defences

Records within 250m

0

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.

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

## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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.

*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

0

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.

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

### 7.7 Flood Zone 3

Records within 50m

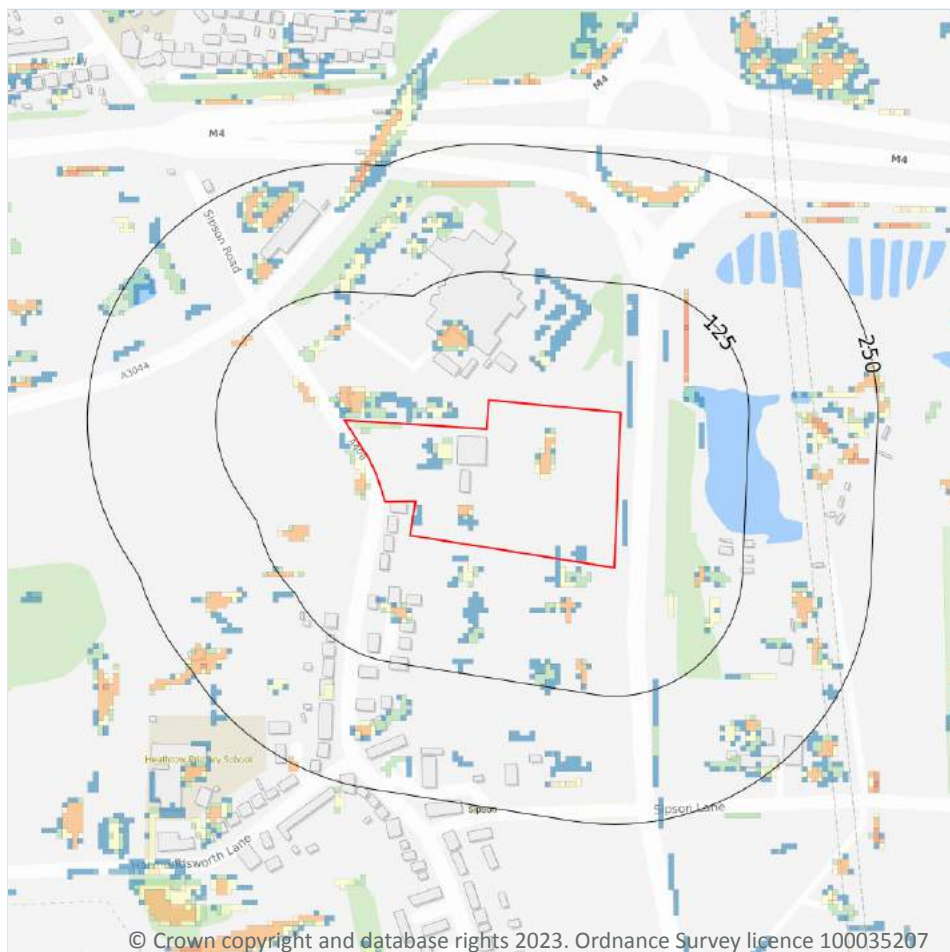
0

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.

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



## 8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

### 8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

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 67 >](#)

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.



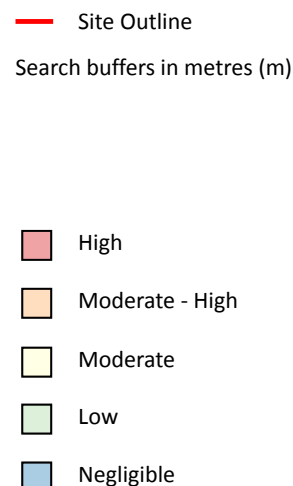
The table below shows the maximum flood depths for a range of return periods for the site.

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 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

*This data is sourced from Ambiantal Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

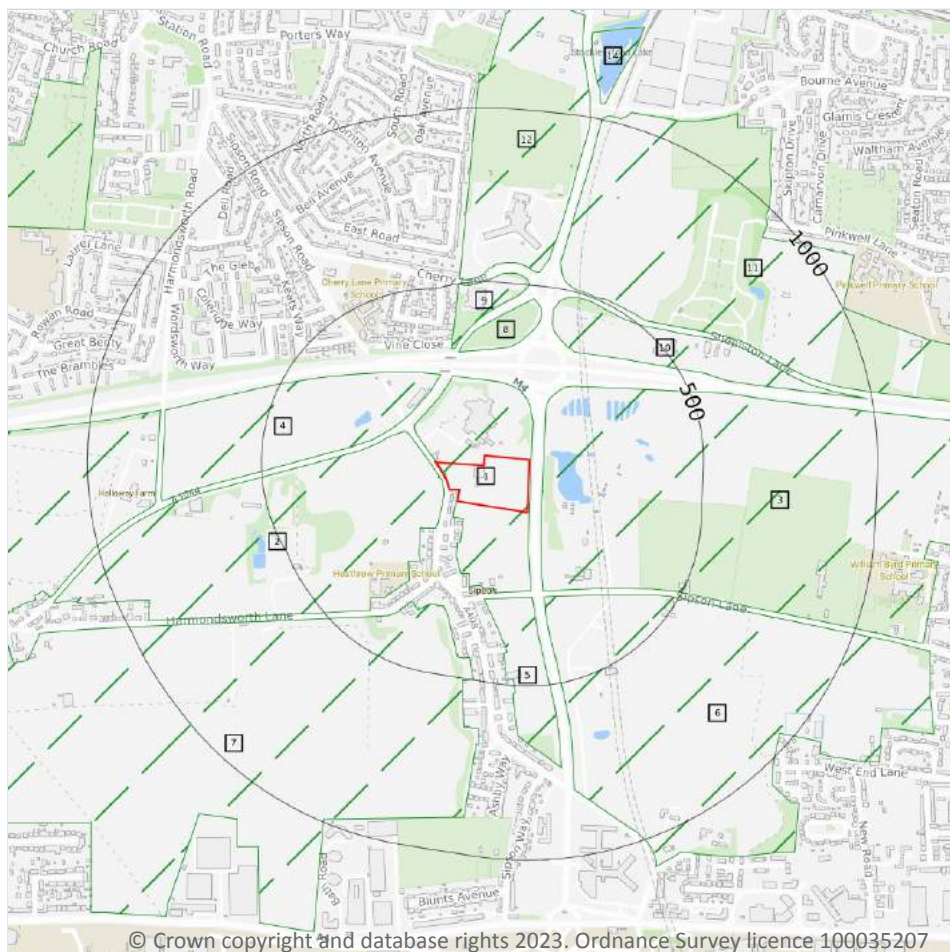
Moderate

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 69](#) >

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- ▨ Green Belt

### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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.

*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

0

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.

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

## 10.7 Designated Ancient Woodland

Records within 2000m

0

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.

*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****25**

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

Features are displayed on the Environmental designations map on [page 70 >](#)

ID	Location	Name	Local Authority name
1	On site	London	Hillingdon
2	11m W	London	Hillingdon
3	40m SE	London	Hillingdon
4	153m NW	London	Hillingdon
5	245m S	London	Hillingdon
6	248m SE	London	Hillingdon
7	302m SW	London	Hillingdon
8	303m N	London	Hillingdon
9	320m N	London	Hillingdon
10	337m NE	London	Hillingdon
11	504m NE	London	Hillingdon
12	508m N	London	Hillingdon
13	798m W	London	Hillingdon
14	1045m N	London	Hillingdon
15	1212m NW	London	Hillingdon
-	1374m E	London	Hillingdon
-	1448m E	London	Hillingdon
-	1492m E	London	Hillingdon





ID	Location	Name	Local Authority name
-	1652m N	London	Hillingdon
-	1657m N	London	Hillingdon
-	1733m W	London	Hillingdon
-	1765m E	London	Hillingdon
-	1784m W	London	Hillingdon
-	1890m NW	London	Hillingdon
-	1998m N	London	Hillingdon

*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

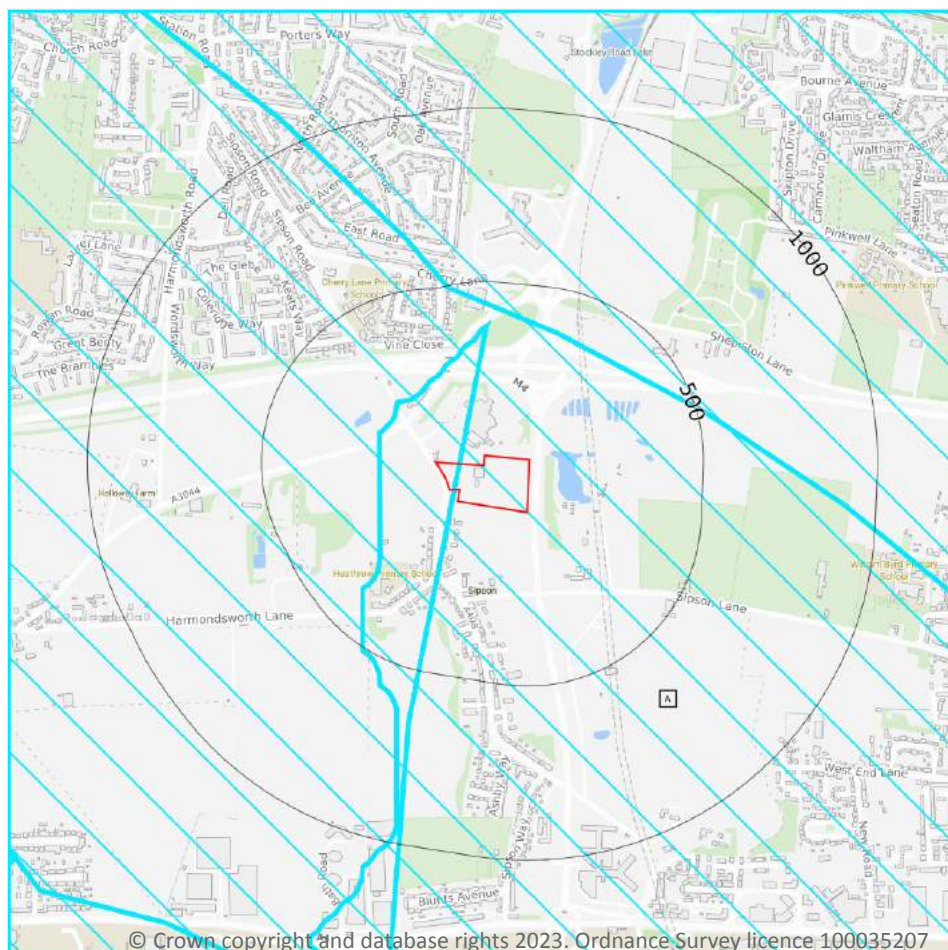
0

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.

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



## SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- ▨ SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

### 10.17 SSSI Impact Risk Zones

#### Records on site

2

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 76 >](#)



ID	Location	Type of developments requiring consultation
A	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t)</p> <p>Combustion - General combustion processes &gt;50MW 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>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream</p>
A	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t)</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

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

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.

*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

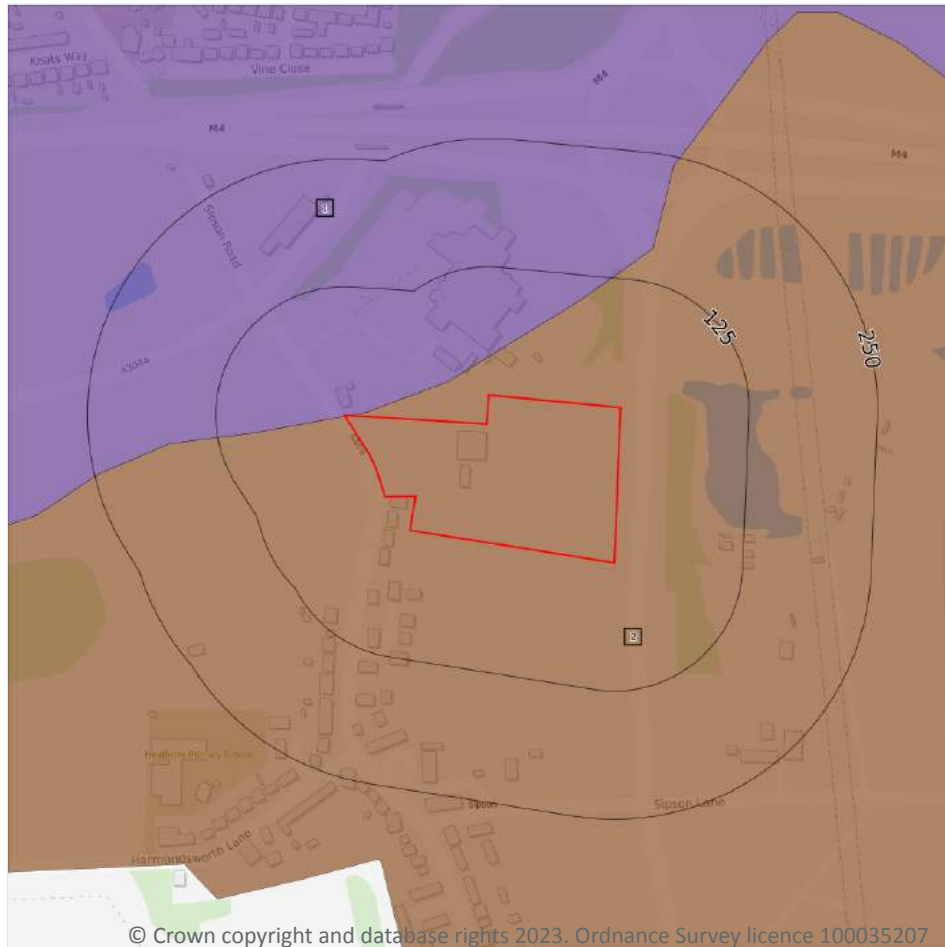
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the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



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

### 12.1 Agricultural Land Classification

Records within 250m

2

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 80](#) >

ID	Location	Classification	Description
1	On site	Urban	-
2	On site	Grade 1	Excellent quality agricultural land. Land with no or very minor limitations to agricultural use. A very wide range of agricultural and horticultural crops can be grown and commonly includes top fruit, soft fruit, salad crops and winter harvested vegetables. Yields are high and less variable than on land of lower quality.



*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

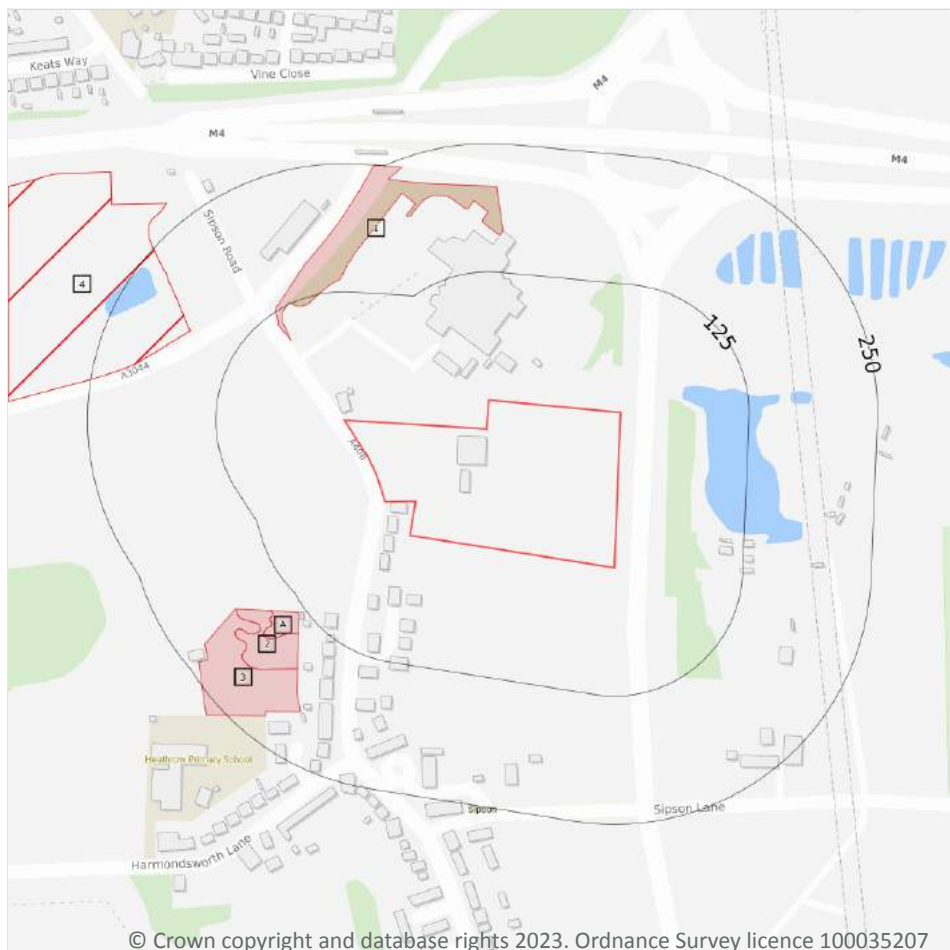
0

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



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

### 13.1 Priority Habitat Inventory

Records within 250m

5

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 82](#) >

ID	Location	Main Habitat	Other habitats
1	94m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	131m SW	No main habitat but additional habitats present	Additional: TORCH (INV 50%)
2	145m SW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
A	154m SW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset





ID	Location	Main Habitat	Other habitats
3	170m SW	No main habitat but additional habitats present	Additional: TORCH (INV 50%)

*This data is sourced from Natural England.*

## 13.2 Habitat Networks

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

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.

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

<b>Records within 250m</b>	<b>1</b>
----------------------------	----------

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 82 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
4	174m NW	BRITPITS ref: 18980	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

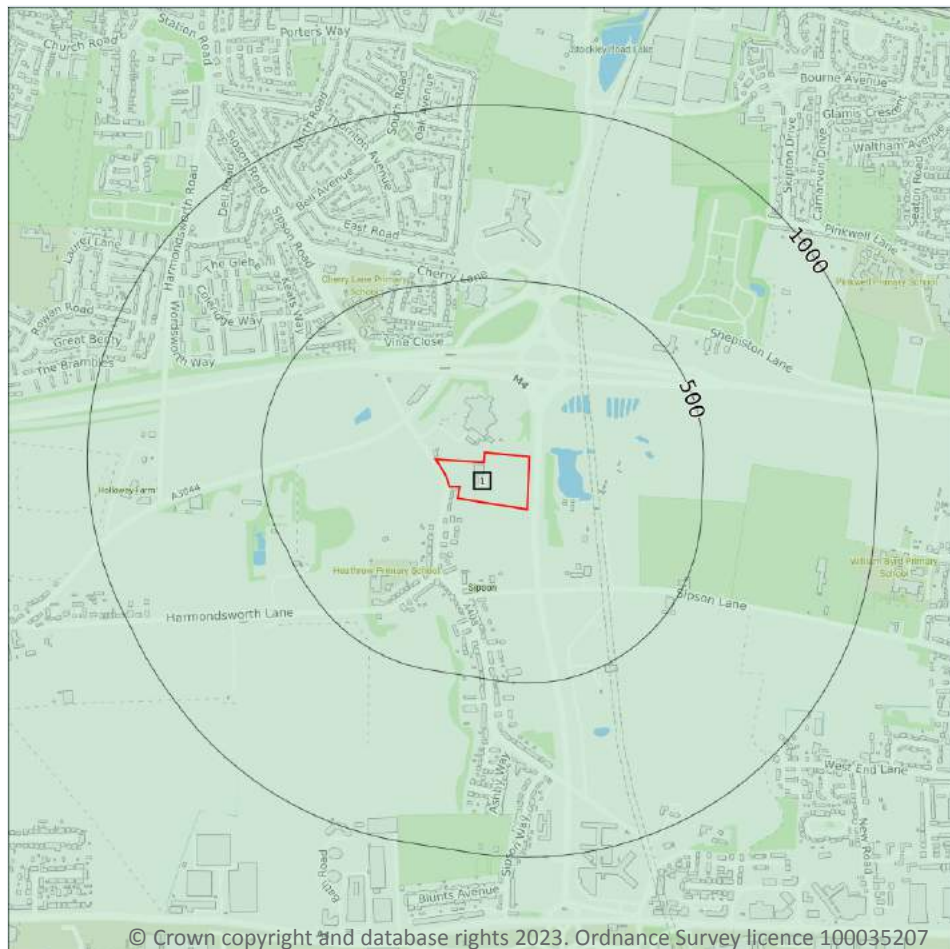
<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

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

1

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.

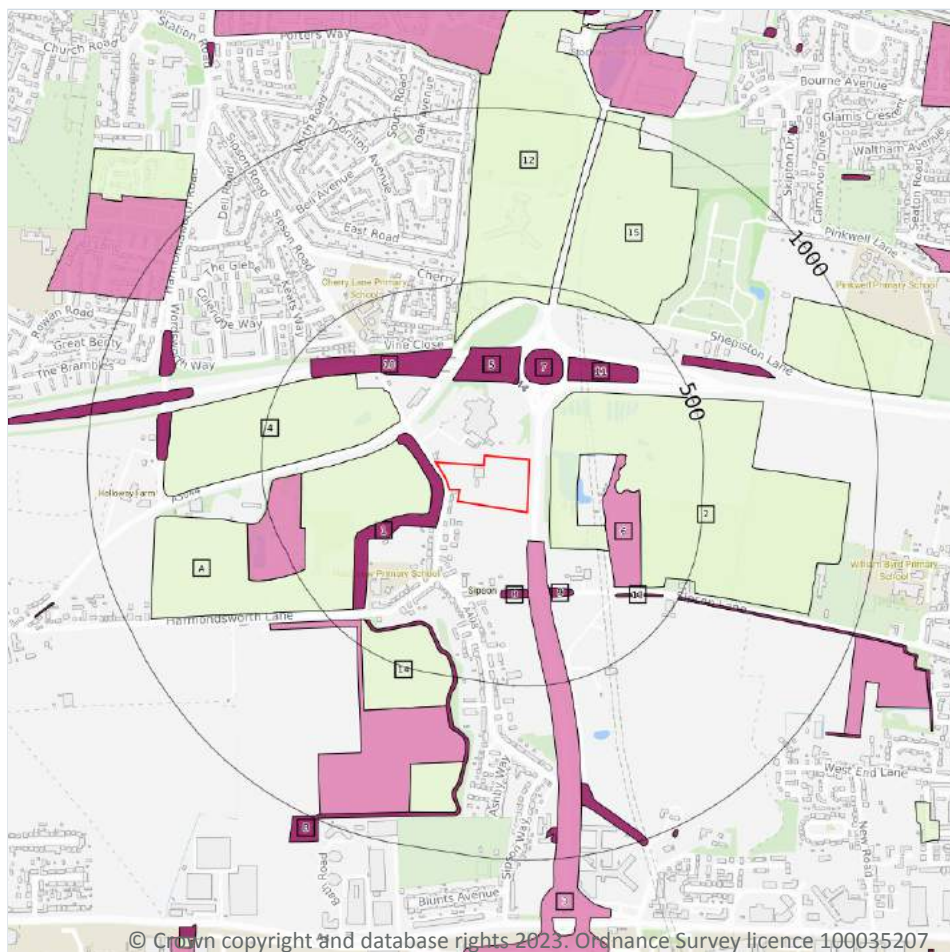
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 84](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TQ07NE

*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

### 14.2 Artificial and made ground (10k)

Records within 500m

19

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 85](#) >

ID	Location	LEX Code	Description	Rock description
1	12m W	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
A	43m W	WMGR-UNKNOWN	Infilled Ground	Unknown/unclassified Entry
2	61m E	WMGR-UNKNOWN	Infilled Ground	Unknown/unclassified Entry
3	82m SE	WGR-UNKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry



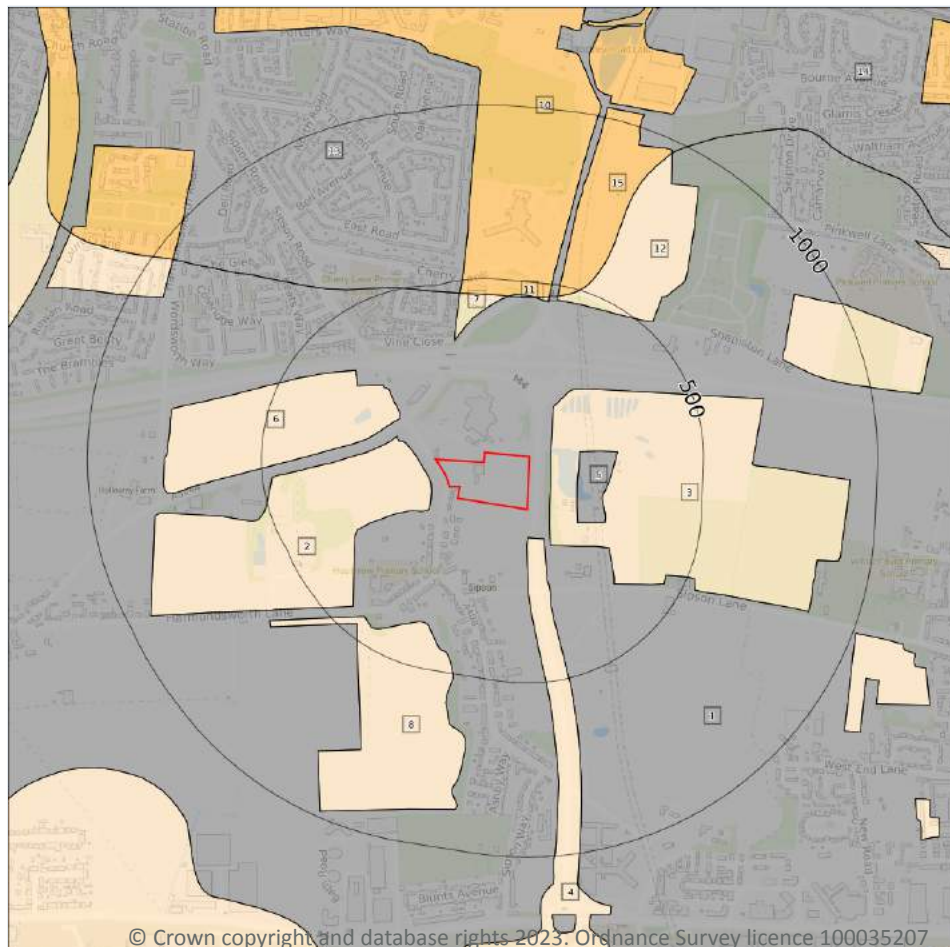


ID	Location	LEX Code	Description	Rock description
4	156m NW	WMGR-UNKNOWN	Infilled Ground	Unknown/unclassified Entry
5	213m N	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
6	213m E	WGR-UNKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry
7	220m NE	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
8	223m S	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
9	225m SE	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
10	243m NW	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
11	254m NE	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
12	334m N	WMGR-UNKNOWN	Infilled Ground	Unknown/unclassified Entry
13	346m SE	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
B	361m SW	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry
14	369m SW	WMGR-UNKNOWN	Infilled Ground	Unknown/unclassified Entry
A	387m W	WGR-UNKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry
B	440m SW	WGR-UNKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry
15	458m N	WMGR-UNKNOWN	Infilled Ground	Unknown/unclassified Entry

*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

15

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 87](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
2	43m W	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
3	61m E	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	82m SE	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
5	141m E	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
6	156m NW	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
7	334m N	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
8	369m SW	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
9	449m N	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
10	453m N	LHGR-XSV	Lynch Hill Gravel Member - Sand And Gravel	Sand And Gravel
11	453m N	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
12	458m N	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
13	464m N	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
14	464m N	LASI-Z	Langley Silt Member - Silt (unlithified Deposits Coding Scheme)	Silt
15	468m N	LHGR-XSV	Lynch Hill Gravel Member - Sand And Gravel	Sand And Gravel

*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

Records within 500m

0

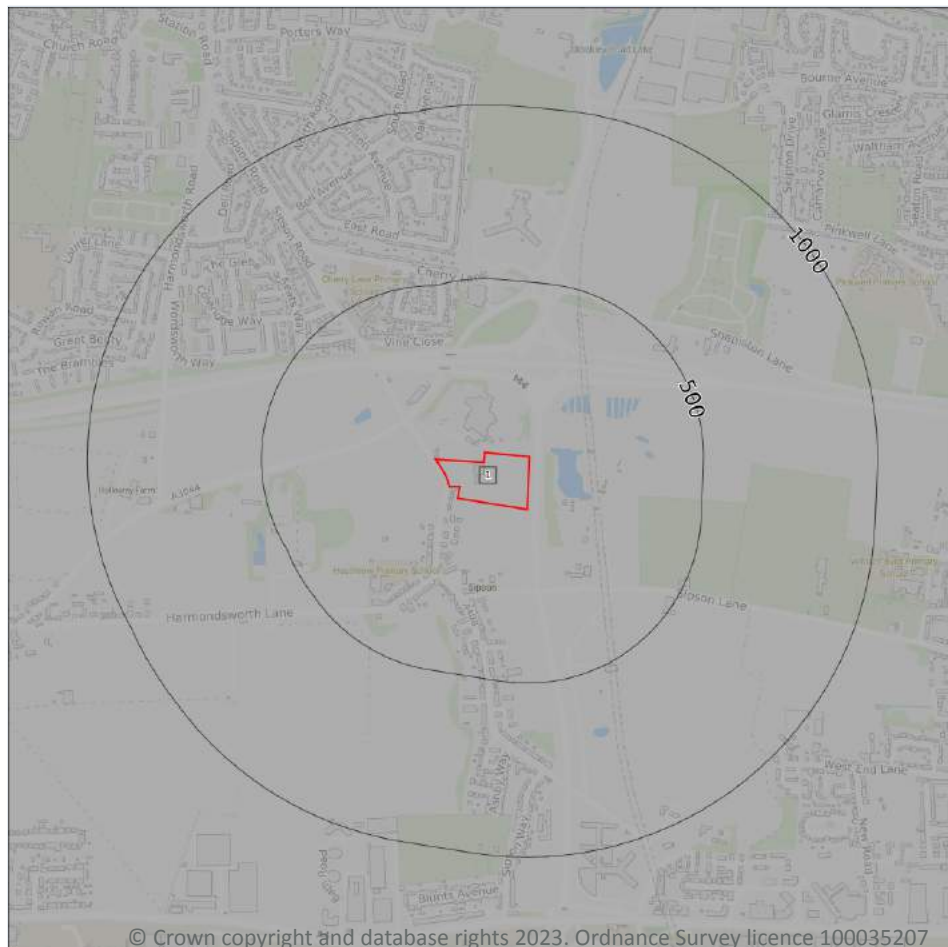
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*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

1

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 89](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LC-CLAY	London Clay Formation - Clay	Eocene Epoch

*This data is sourced from the British Geological Survey.*



## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

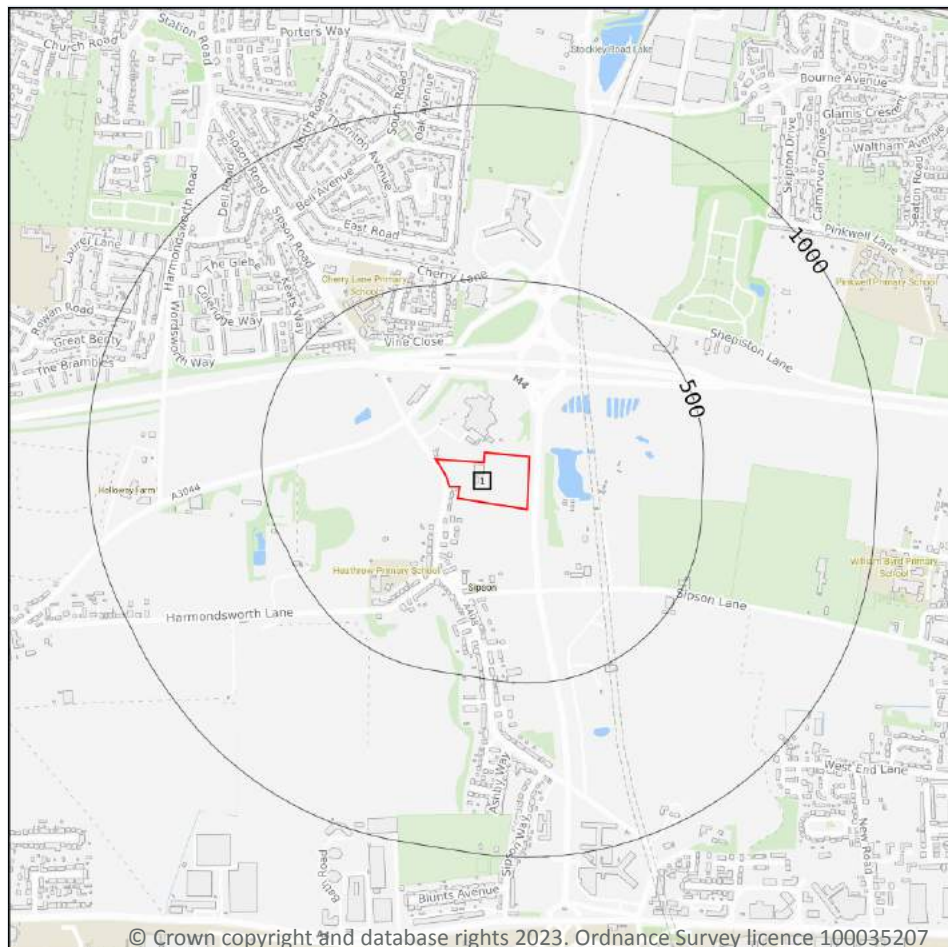
0

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

1

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 91](#) >

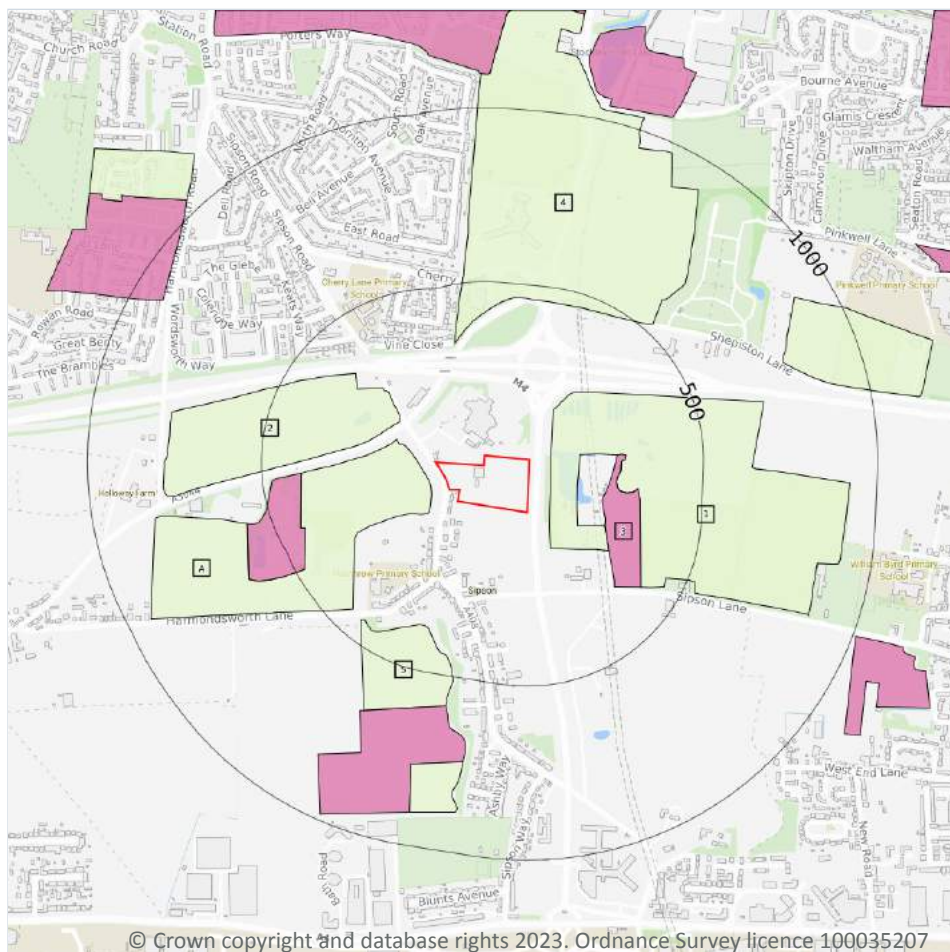
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW269_windsor_v4

*This data is sourced from the British Geological Survey.*





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



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

### 15.2 Artificial and made ground (50k)

#### Records within 500m

7

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 92](#) >

ID	Location	LEX Code	Description	Rock description
A	43m W	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
1	62m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	156m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	213m E	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID



ID	Location	LEX Code	Description	Rock description
4	334m N	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
5	369m SW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
A	388m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

#### Records within 50m

**1**

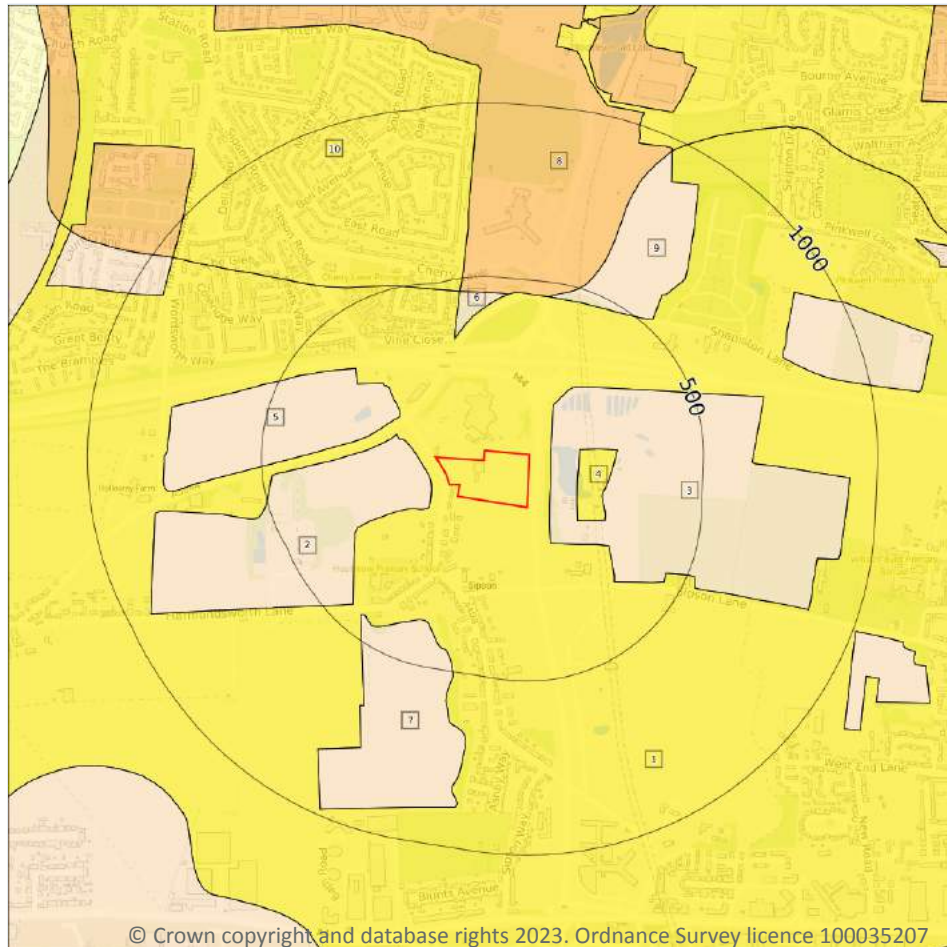
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
43m W	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

10

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 94](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT
2	43m W	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
3	62m E	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
4	141m E	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT





ID	Location	LEX Code	Description	Rock description
5	156m NW	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
6	334m N	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
7	369m SW	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
8	453m N	LHGR-XSV	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL
9	457m N	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
10	463m N	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT

*This data is sourced from the British Geological Survey.*

## 15.5 Superficial permeability (50k)

<b>Records within 50m</b>	<b>2</b>
---------------------------	----------

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
<b>On site</b>	<b>Mixed</b>	<b>Low</b>	<b>Very Low</b>
43m W	Intergranular	Very High	High

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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)

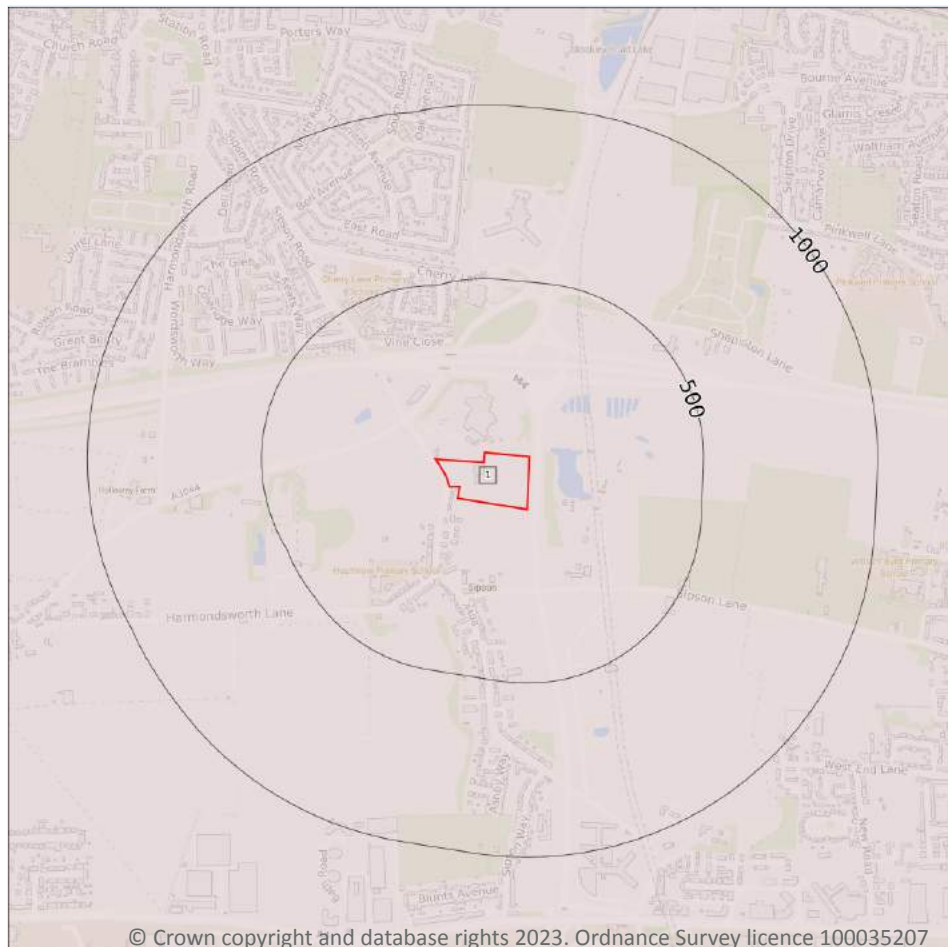
<b>Records within 50m</b>	<b>0</b>
---------------------------	----------

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

1

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 96](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

**Records within 50m****1**

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

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

**Records within 500m****0**

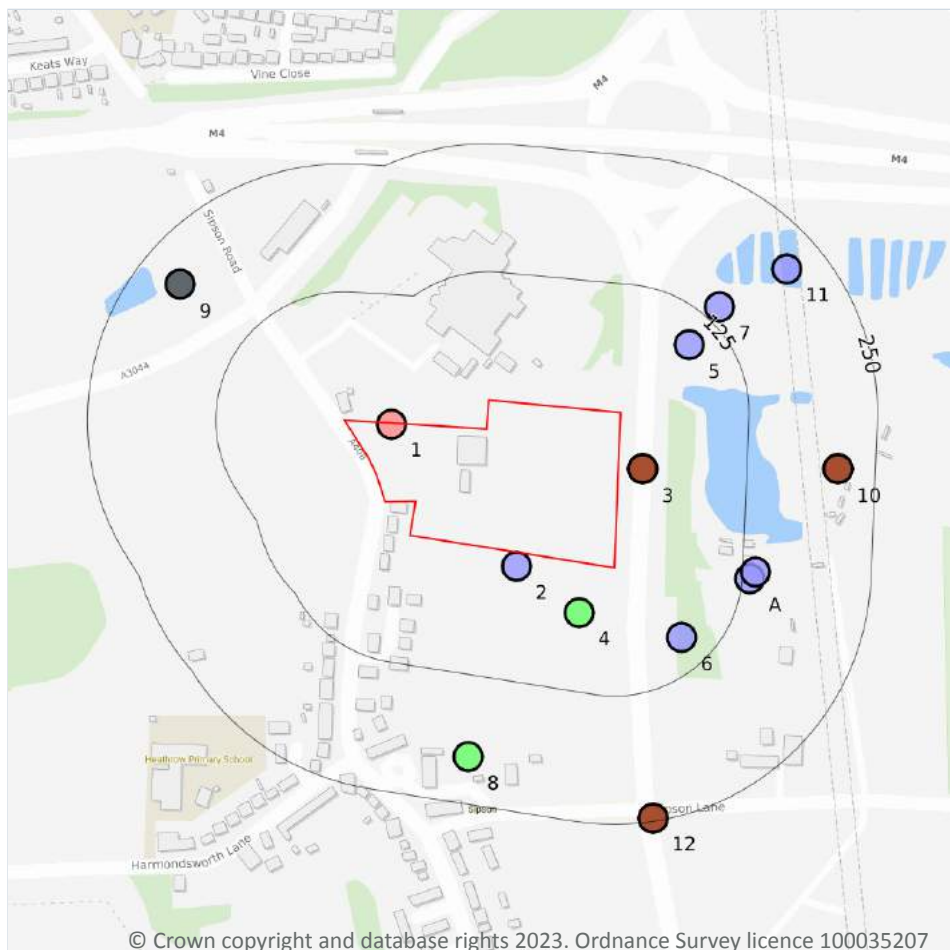
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*





## 16 Boreholes



— Site Outline  
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

### 16.1 BGS Boreholes

Records within 250m

14

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 98](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	507205 178274	HEATHROW SURFACE ACCESS H051	30.5	N	<a href="#">574165</a> ↗
2	14m S	507327 178135	HEATHROW SURFACE ACCESS STUDIES TP 242	4.5	N	<a href="#">574034</a> ↗
3	24m E	507450 178230	MOT CHISWICK-LANGLEY 43	-1.0	N	<a href="#">574088</a> ↗

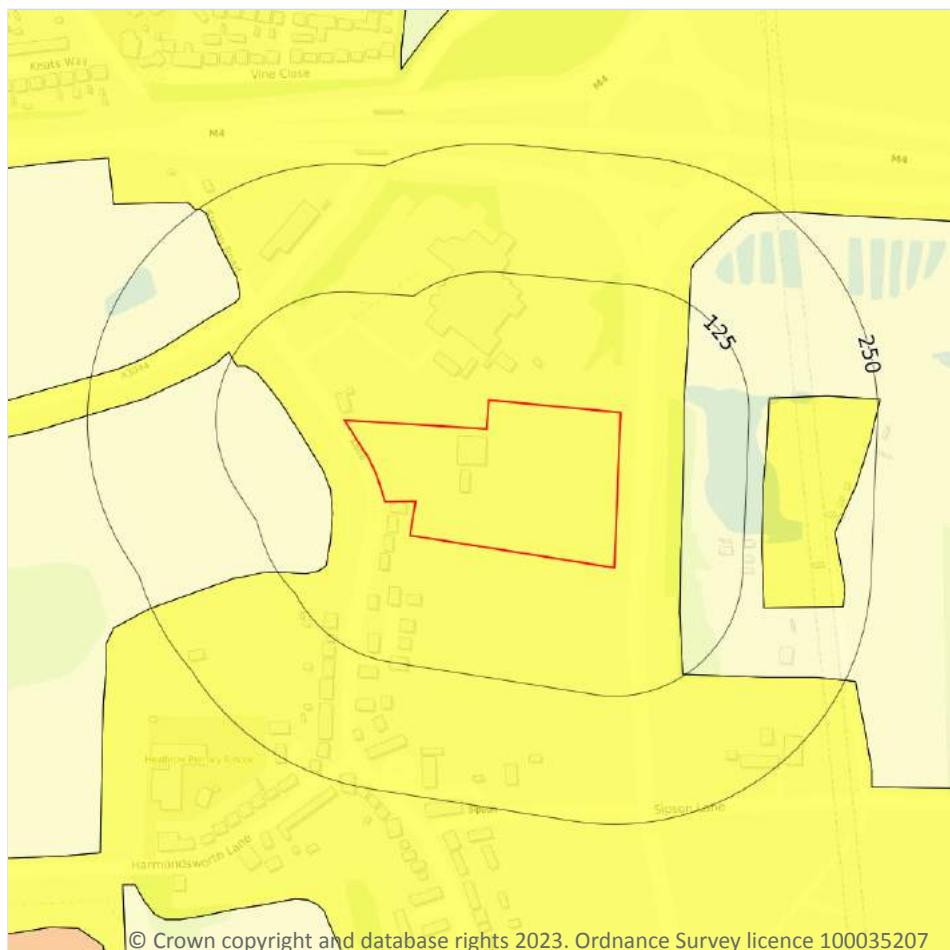


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	49m SE	507388 178090	HEATHROW SURFACE ACCESS H002	25.0	N	<a href="#">574164</a> ↗
5	94m NE	507495 178351	HEATHROW SURFACE ACCESS STUDIES TP 255	4.0	N	<a href="#">574044</a> ↗
6	94m SE	507488 178066	HEATHROW SURFACE ACCESS STUDIES TP 262	4.5	N	<a href="#">574052</a> ↗
A	132m E	507554 178123	HEATHROW SURFACE ACCESS STUDIES 261	9.0	N	<a href="#">574051</a> ↗
A	138m E	507560 178130	WALL GARDEN FARM	7.62	N	<a href="#">574261</a> ↗
7	141m NE	507525 178388	HEATHROW SURFACE ACCESS STUDIES 254	10.0	N	<a href="#">574043</a> ↗
8	204m S	507280 177950	SIPSON FARM	10.97	N	<a href="#">574269</a> ↗
9	207m NW	507000 178410	SIPSON ROAD WEST DRAYTON 1	-	Y	N/A
10	214m E	507640 178230	SIPSON LANE	-1.0	N	<a href="#">574262</a> ↗
11	214m NE	507590 178425	HEATHROW SURFACE ACCESS STUDIES TP 253	6.0	N	<a href="#">574042</a> ↗
12	247m SE	507460 177890	MOT CHISWICK-LANGLEY 52	-1.0	N	<a href="#">574087</a> ↗

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.1 Shrink swell clays

#### Records within 50m

2

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 100](#) >

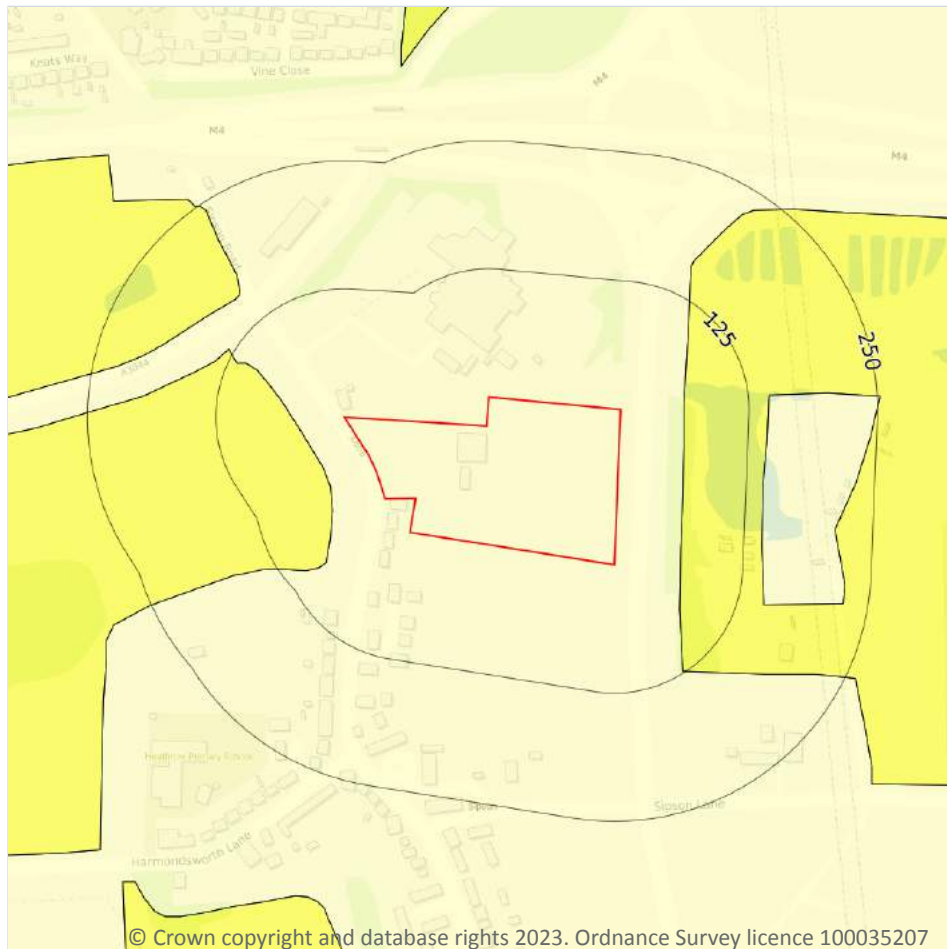
Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
43m W	Negligible	Ground conditions predominantly non-plastic.

*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

### 17.2 Running sands

#### Records within 50m

2

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 101](#) >

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

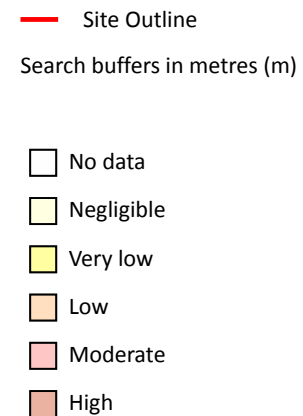
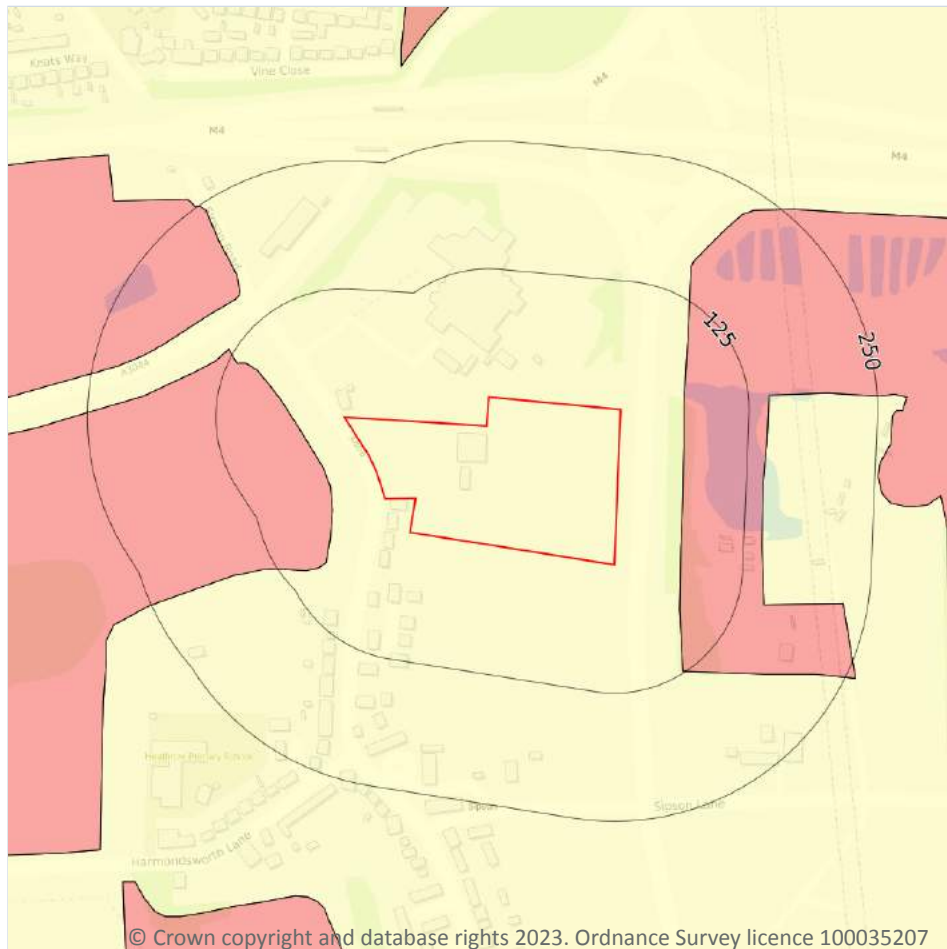


Location	Hazard rating	Details
43m W	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

#### Records within 50m

2

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 103 >](#)

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
43m W	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

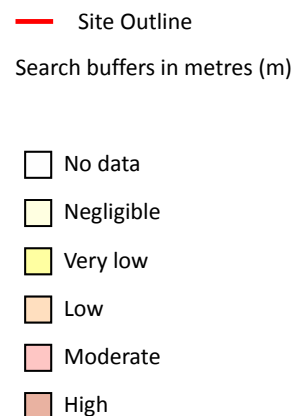
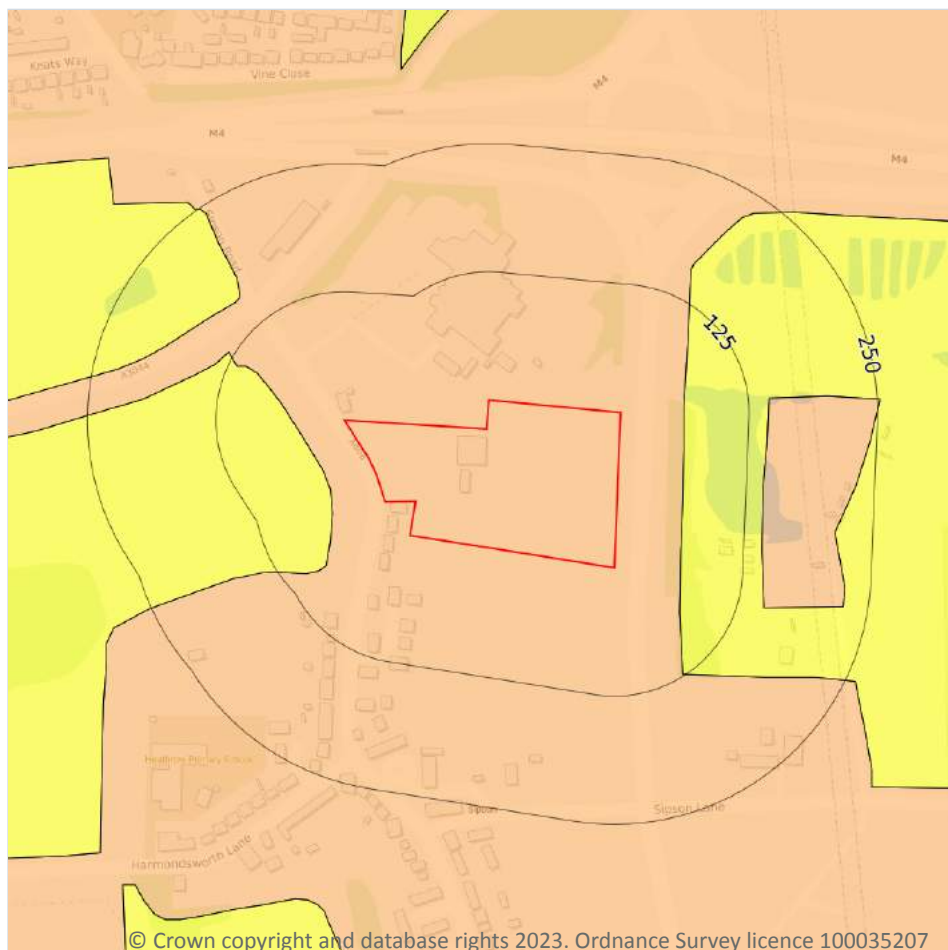




*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

#### Records within 50m

2

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.

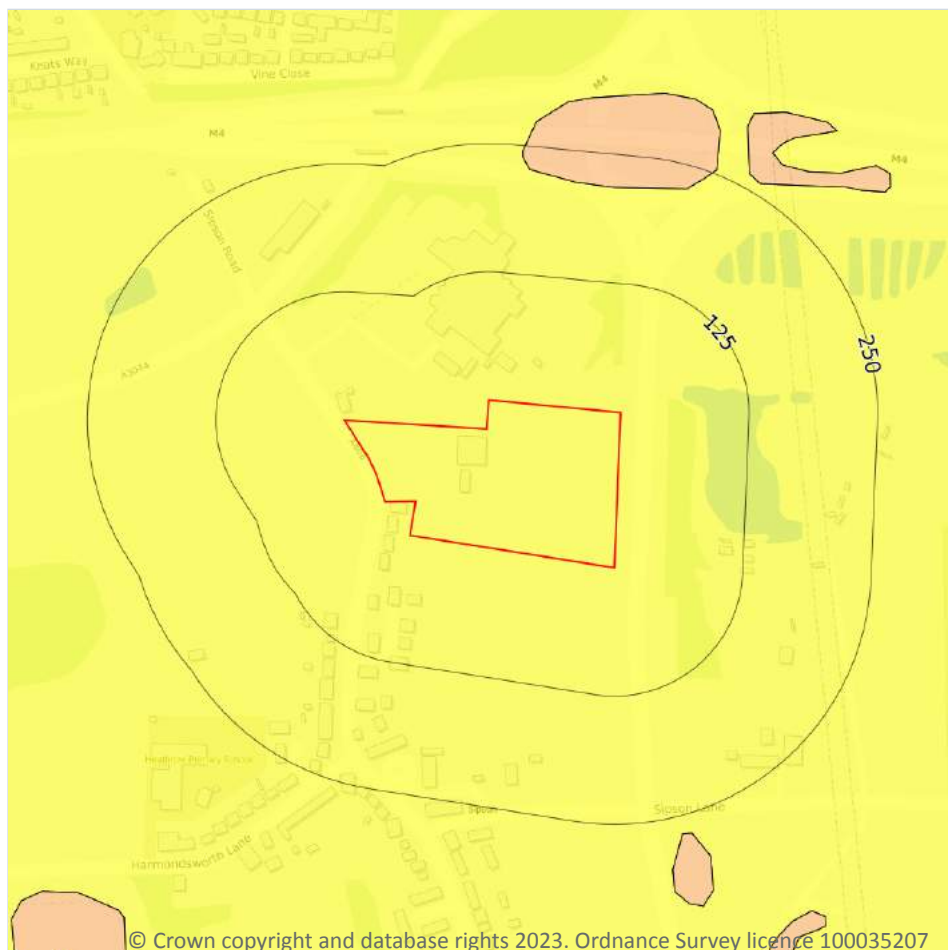
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 105 >](#)

Location	Hazard rating	Details
On site	Low	Deposits with potential to collapse when loaded and saturated are possibly present in places.
43m W	Very low	Deposits with potential to collapse when loaded and saturated are unlikely 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

### 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 106 >](#)

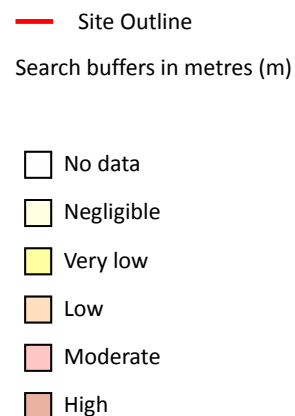
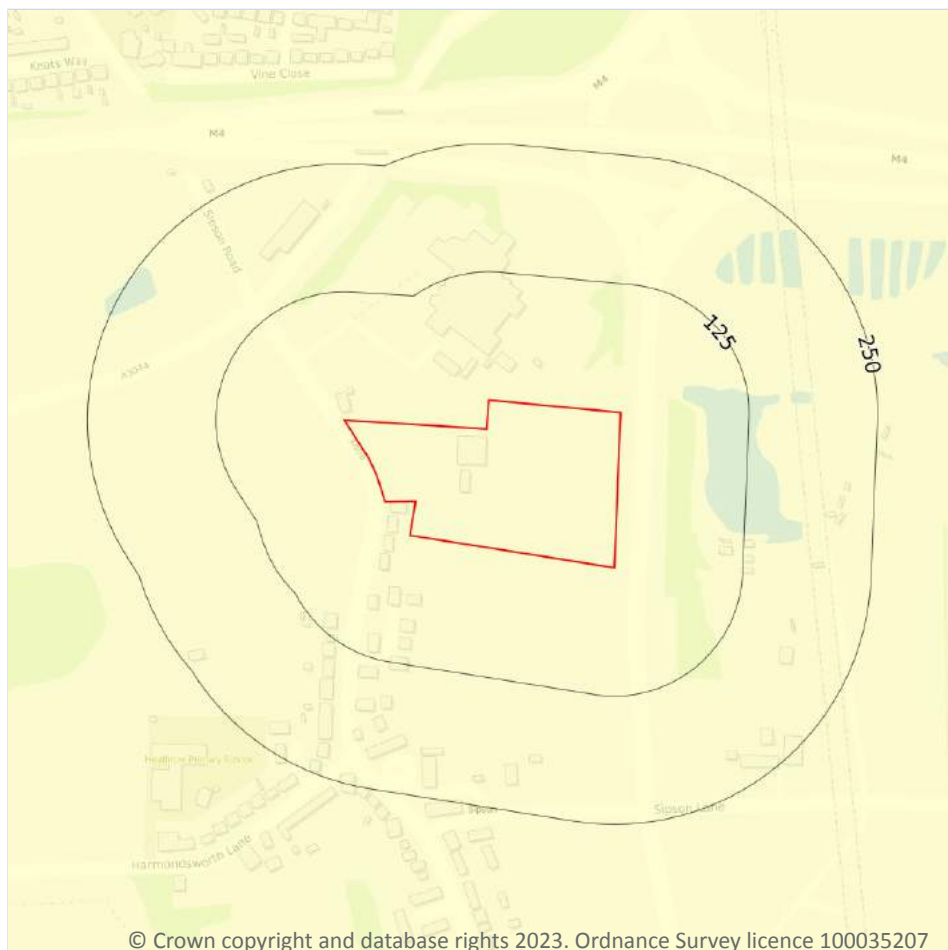
Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*





## Natural ground subsidence - Ground dissolution of soluble rocks



### 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 107 >](#)

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

17

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.

Features are displayed on the Mining and ground workings map on [page 109](#) >



ID	Location	Details	Description
2	98m E	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
4	158m SE	Name: Wall Garden Farm Quarry Address: Sipson, WEST DRAYTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
5	173m E	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Active	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which is actively extracting mineral products, or in the case of wharfs and rail depots, is actively handing minerals
D	197m NE	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
8	223m W	Name: Holloway Lane Quarry Address: WEST DRAYTON, Greater London Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	272m E	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
B	311m E	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
12	320m SE	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Inactive	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator. May be considered to have Active or Dormant planning permission
14	404m SW	Name: Holloway Lane Quarry Address: WEST DRAYTON, Greater London Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
15	431m SE	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Inactive	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator. May be considered to have Active or Dormant planning permission
16	436m E	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
17	448m SE	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Inactive	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator. May be considered to have Active or Dormant planning permission



ID	Location	Details	Description
F	448m W	Name: Holloway Lane Quarry Address: WEST DRAYTON, Greater London Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
19	475m E	Name: Sipson Lane Quarry Address: Sipson, HARLINGTON, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
21	494m SW	Name: Harmondsworth Lane Quarry Address: WEST DRAYTON, Greater London Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	496m W	Name: Holloway Lane Address: HARMONDSWORTH, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
22	498m W	Name: Holloway Lane Quarry Address: WEST DRAYTON, Greater London Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

*This data is sourced from the British Geological Survey.*

## 18.2 Surface ground workings

### Records within 250m

8

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 109](#) >





ID	Location	Land Use	Year of mapping	Mapping scale
1	14m NW	Gravel Pit	1868	1:10560
C	94m SE	Cuttings	1970	1:10560
C	94m SE	Cuttings	1987	1:10000
C	94m SE	Cuttings	1974	1:10000
D	149m NE	Gravel Pit	1987	1:10000
6	207m W	Pond	1987	1:10000
E	247m E	Pond	1987	1:10000
B	248m E	Pond	1987	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**

**7**

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.

Features are displayed on the Mining and ground workings map on [page 109](#) >

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
A	43m W	Holloway Lane	Sand and gravel	Surface mineral working	Application	Not available
B	44m NE	Sipson Lane	Sand and gravel	Surface mineral working	Valid	11/5/78
3	147m NW	Holloway Lane	Sand and gravel	Surface mineral working	Valid	30/4/63
7	213m E	Sipson Lane	Sand and gravel	Surface mineral working	Refused	Not available
13	321m SW	Harmondsworth Lane	Sand and gravel	Surface mineral working	Withdrawn	Not available
H	466m NE	West drayton	Sand and gravel	Surface mineral working	Valid	27/7/54, 1954, 1947
I	474m N	West drayton	Sand and gravel	Surface mineral working	Valid	1947

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

**Records within 1000m**

**0**

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).

*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****5**

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.

Location	Mineral type
43m W	Stone
62m E	Stone
156m NW	Stone
369m SW	Stone
433m SW	Stone

*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

0

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.

*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.

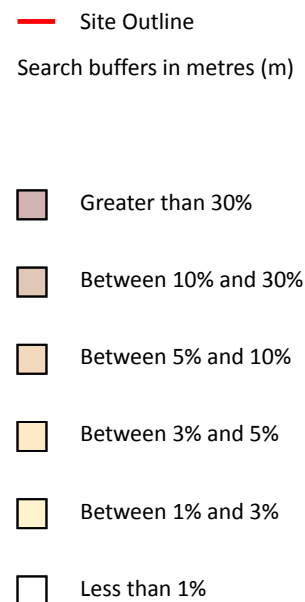
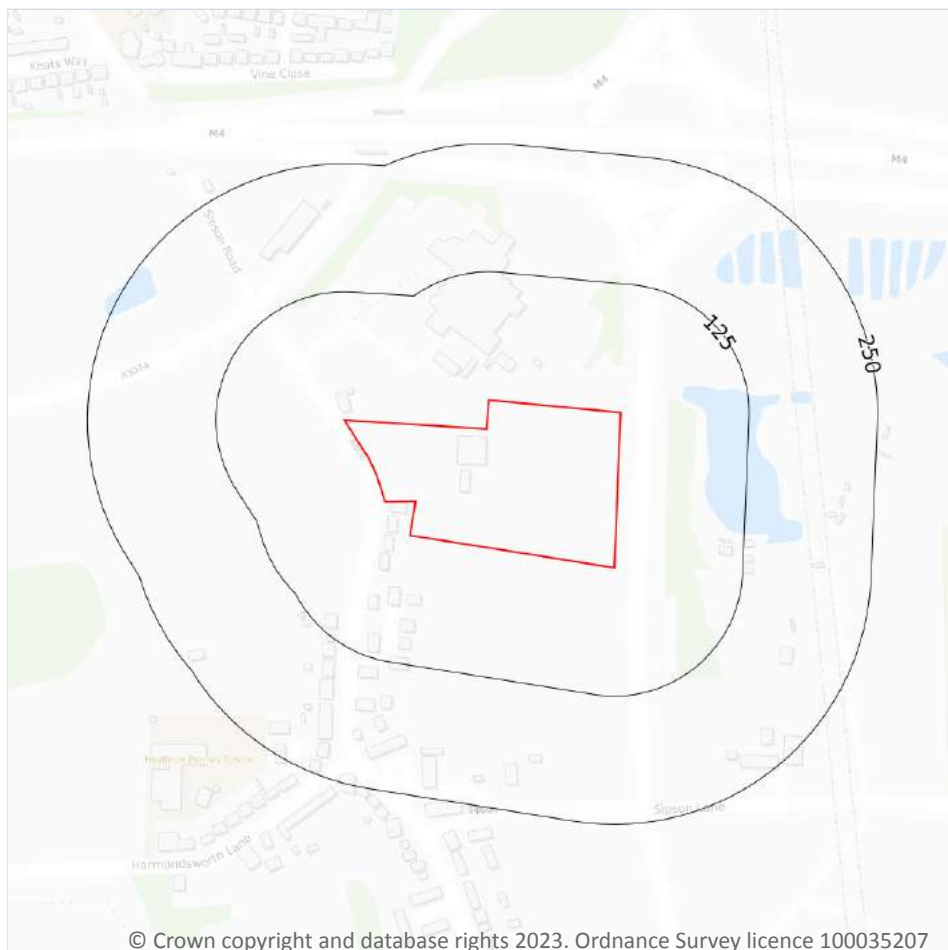
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 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 120 >](#)

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

2

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 km<sup>2</sup>. 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 km<sup>2</sup>; 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	No data	No data	No data	No data	No data	No data	No data
43m W	No data	No data	No data	No data	No data	No data	No data

*This data is sourced from the British Geological Survey.*

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

14

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 km<sup>2</sup>).

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	12	2.1	136	93	0.9	84	44	22	11
On site	12	2.1	128	88	0.9	85	43	22	10
On site	12	2.1	137	94	0.7	83	42	22	10
On site	12	2.1	134	92	0.7	83	42	22	10
On site	13	2.3	123	85	1.1	86	43	22	10
On site	13	2.3	115	79	1.1	87	41	21	10
On site	13	2.3	127	87	1	86	44	22	10



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)
<b>On site</b>	<b>13</b>	<b>2.3</b>	<b>120</b>	<b>82</b>	<b>1.1</b>	<b>86</b>	<b>42</b>	<b>21</b>	<b>10</b>
3m N	13	2.3	117	80	0.8	87	41	23	11
3m N	13	2.3	117	80	1	88	42	22	11
12m NE	13	2.3	118	81	0.7	86	40	23	10
22m NW	13	2.3	116	80	1.1	87	42	22	10
34m SE	12	2.1	143	98	0.7	83	44	22	11
37m SE	13	2.3	152	104	0.9	83	49	23	11

*This data is sourced from the British Geological Survey.*

## 21.3 BGS Measured Urban Soil Chemistry

<b>Records within 50m</b>	<b>1</b>
---------------------------	----------

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 km<sup>2</sup>.

Location	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Tin (mg/kg)	Sample Type
9m W	12.7	1.1	87.1	41.2	21.3	115.4	10.0	Topsoil

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- C2 Crossrail 1 Route
- C2 Crossrail 2 Stations
- C2 Crossrail 2 Route
- C2 Crossrail 2 Worksites
- C2 Crossrail 2 Safeguarding
- C2 Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- C2 HS2 Stations
- C2 HS2 Depots
- C2 HS2 Surface Safeguarding
- C2 HS2 Subsurface Safeguarding

### 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

**2**

Railway tunnels taken from contemporary Ordnance Survey mapping.

Features are displayed on the Railway infrastructure and projects map on [page 124 >](#)

Location	Type
170m E	Railway Tunnel
188m E	Railway Tunnel

*This data is sourced from the Ordnance Survey.*

## 22.4 Historical railway and tunnel features

### Records within 250m

**3**

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 124 >](#)

Location	Land Use	Year of mapping	Mapping scale
166m E	Tunnel	1999	1250
184m E	Tunnel	1999	1250
241m SE	Tunnel	1999	1250

*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****2**

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

Features are displayed on the Railway infrastructure and projects map on [page 124 >](#)

Location	Name	Type
169m E	Heathrow Link Line	rail
188m E	Heathrow Link Line	rail

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 1

**Records within 500m****2**

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.

Features are displayed on the Railway infrastructure and projects map on [page 124 >](#)

Location	Route Type
168m E	Tunnel Alignment
184m E	Tunnel Alignment

*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 <https://www.groundsure.com/sources-reference> ↗.

## Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-april-2023/> ↗.

