



Preliminary Risk Assessment Report

Henthorn Road, Clitheroe, BB7 2RL

For Gladman Developments Ltd

SHF.1132.306.GE.R.001.B



Contact Details:

Enzygo Geoenvironmental Ltd. (Bristol Office)
The Byre
Woodend Lane
Cromhall
Gloucestershire
GL12 8AA

tel: 01454 269237
email: steve.rhodes@enzygo.com
www: enzygo.com

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|-----------|----------------------------------------------------------------------------------------|
| Project: | Henthorn Road, Clitheroe, BB7 2RL |
| For: | Gladman Developments Ltd |
| Ref: | SHF.1132.306.GE.R.001.B |
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| Author: | Steve Rhodes <small>BSc (hons.) MSc DIC CEng CGeol MIMMM MI EnvSc FGS</small> Director |
| Reviewer: | Matt Ward <small>BSc (Hons.) FGS</small> Principal Consultant |

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1.0 INTRODUCTION

1.1 Background

1.1.1 Enzygo Geoenvironmental Limited has been commissioned to prepare a Preliminary Risk Assessment Report for a site at Henthorn Road, Clitheroe, BB7 2RL.

1.2 Proposed Development

1.2.1 The proposed development is for residential use. A site location plan is included in the drawings section of this report.

1.3 Objectives

1.3.1 The objectives of the study are to:

- Undertake a site walkover;
- Collect Desk Study Information, a copy of which is included in Appendix 1; and
- Provide a Preliminary Risk Assessment Report.

1.4 Risk Classification

1.4.1 Enzygo Geoenvironmental has utilised the available information, together with our experience to assess the likely risks to development from land quality issues. Definitions of the risk terms used are provided on the following table.

Table 1.4.1 Risk Classification

| Risk | Description |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dismissed | No contamination risk has been identified which is likely to affect development. |
| Low | No significant contaminated land risks have been encountered affecting development and a low risk that remediation will be required. |
| Low-Moderate | There are unlikely to be significant contaminated land issue associated with the site which will adversely affect its re-development. However, minor or localised contamination may be present requiring remediation. Remediation should be possible under a discovery strategy and with a call out service. |
| Moderate | Some potential contaminated land risks have been encountered or identified which may affect re- development. The risks identified are unlikely to affect the entire site or preclude development. Remediation is considered feasible as part of the development process. |
| Moderate-High | Some potentially significant contaminated land risks have been identified at the property that requires remediation. It is recommended that a separate remedial methodology is prepared supported by a site-specific risk assessment. |
| High | Significant potential contaminated land risks have been identified and remediation is required supported by further intrusive ground investigation, risk assessment and remedial design. |

1.4.2 Where adverse risks from ground instability are identified these are discussed within the report.

2.0 SITE SETTING

Table 2.0 Site Description

| Item | Description |
|-------------------------|-----------------------------------|
| Site Address | Henthorn Road, Clitheroe, BB7 2RL |
| National Grid Reference | 372959 440602 |

2.1 Current Site Description

- 2.1.1 The following site description has been compiled from the site investigation, together with current maps and aerial photographs. Photographs from the site inspection are included in Appendix 2.
- 2.1.2 The site comprises two fields separated by Henthorn Road, which bisects the site in a west to east direction.
- 2.1.3 The site slopes from south west up to the north east.
- 2.1.4 Both the northern and southern areas of the site are vegetated with grass and with occasional trees and bushes.
- 2.1.5 Overhead cables cross both parts of the site.
- 2.1.6 The Pendleton Brook forms the southern and south western boundary of the site.
- 2.1.7 A track is also present adjacent to the south and south western boundary.
- 2.1.8 A drain is present within the southern area of the site flowing east to west and discharging into the Pendleton Brook,
- 2.1.9 No evidence of potential contamination sources was noted on or adjacent to the site.

2.2 Surrounding Area

- 2.2.1 Land uses surrounding the site are summarised as follows:

Table 2.2.1 Land Use Surrounding the Area

| Direction | Land Use |
|------------|----------------------------------------------------------------|
| North East | Residential development. |
| North West | Residential property and fields. |
| South West | Pendleton Brook with woodland and fields beyond. |
| South East | Pendleton Brook with fields and sewage treatment works beyond. |

- 2.2.2 No evidence of potential contamination was noted adjacent to the site.

3.0 SITE HISTORY

3.1 Historical Maps

3.1.1 A review of historical Ordnance Survey maps and information pertinent to the site and within a 250m radius is summarised below:

Table 3.1.1 Historical Maps

| Potentially Contaminative Historical Land Use | | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Map Edition | Site | Surrounding Area |
| 1884 | Fields separated by Henthorn Road. Pendleton Brook along the south and south western boundaries. Drain shown within the southern area of the site. | Fields 5m S & SW. Woodland and fields W. Residential property 0m N. River 100m NW. Sewage works 150m SE. Railway line 150m E. |
| 1894 | No significant change. | No significant change. |
| 1908 | No significant change. | Pond and residential properties 150m SW. |
| 1912 | No significant change. | Tank 130m SW. Sewage treatment works SE enlarged. |
| 1932 | No significant change. | Earthworks 30m SW. Sewage treatment works SE further enlarged & now 100m SE. |
| 1950 | No significant change. | No significant change. |
| 1964 | No significant change. | Residential property 0m W. Sewage works 230m SW. |
| 1978 | No significant change. | Residential development 130m E. |
| 1993 | No significant change. | Sewage works SE no longer shown and consolidated into works 100m S. |
| 1995 | No significant change. | No significant change. |
| 2001 | No significant change. | No significant change. |
| 2003 | No significant change. | No significant change. |
| 2010 | No significant change. | No significant change. |
| 2025 | No significant change. | Residential developments 0m NE. |

3.1.2 The ponds, railway line and sewage works are considered to be located too far from the site to pose a significant risk and they are separated from the site by the Pendleton Brook which should act as a barrier to potential pollutant migration.

3.1.3 The earthworks appear to be flood defence and are not considered a significant risk.

4.0 ENVIRONMENTAL SETTING

4.1 Ground Conditions

4.1.1 The British Geological Survey (BGS) indicates that the site is underlain by the following geological sequence:

Table 4.1.1 Geological Sequence

| Geological | Type | Descriptions | Aquifer Classification |
|------------|---------------------------------------------|------------------------------|-----------------------------|
| Drift. | Glacial Till. | Diamicton. | Secondary Undifferentiated. |
| | Alluvium. | Clay, Silt, Sand and Gravel. | Secondary A. |
| Solid. | Clitheroe Limestone and Mudstone Formation. | Mudstone. | Secondary A |

4.1.2 The Alluvium is shown within the southern area of the site associated with the Pendleton Brook.

4.1.3 A fault is present crossing the site in a south west to north east direction which exposes Permian sandstone and mudstone in the south west corner of the site.

4.1.4 BGS records indicate no Made Ground on or adjacent to the site.

4.1.5 There are no records of landslips on or near the site.

4.1.6 Published records of background soil chemistry for the site show no exceedances of residential GAC values.

4.1.7 There are no BGS borehole records available close to the site.

4.2 Groundwater

4.2.1 The permeability of the Glacial Till is recorded as low to high reflecting the mixed lithology of the soils. The permeability of the Alluvium is very low to high. Permeability of the solid geology is low to very high fracture flow.

4.2.2 The Ground Sure Report indicates the site is not located within a Source Protection Zone.

4.2.3 There are no groundwater abstraction licences within 2000m of the site.

4.3 Coal Mining

4.3.1 The Groundsure report has identified that the site is not within an area of potential coal mining.

4.4 Non Coal Mining and Cavities

4.4.1 No other mining activities are identified on or near to the site.

4.4.2 No mining cavities are identified at or near the site.

4.5 Ground Workings

4.5.1 Ground workings within 250m of the site are limited to the sewage works, ponds and earthworks identified from historical maps. No new significant risks are identified.

4.5.2 A summary of ground workings indicates that the sewage treatment works extend on to site but there is no evidence of this from the large scale maps. This potential risk is therefore dismissed.

4.6 Natural Cavities

4.6.1 No natural cavities are identified within 250m of the site.

4.7 Hydrology

4.7.1 A surface water course is identified along the south and south western boundary of the site.

4.7.2 A drain is shown in site which discharges into the Pembleton Brook.

4.7.3 There are no surface water abstractions within 500m of the site.

4.8 Radon Risk Potential

4.8.1 The Groundsure Geolnsight Report indicates that the southern area of the site is within an area requiring basic radon protection measures.

4.9 Natural Hazards Finding

4.9.1 BGS information presented within the Groundsure report has identified the following ground conditions:

Table 4.9.1 Natural Hazards

| Hazard | Risk Designation (Groundsure) |
|---------------------------|-------------------------------|
| Collapsible Ground | Negligible/Very Low. |
| Compressible Ground | Negligible/Moderate. |
| Ground Dissolution | Negligible/Very Low. |
| Landslide | Very Low. |
| Running Sand | Very Low/Low. |
| Swelling / Shrinking Clay | Very Low. |

4.9.2 A moderate risk of compressible ground is identified within the southern area of the site associated with Alluvium. This should be investigated to allow design of suitable foundations.

4.9.3 No other significant risks are identified.

4.10 Sensitive Land Uses

4.10.1 The site comprises a field and so is considered to be of moderate sensitivity.

4.10.2 No historical features are identified on the site.

4.11 Environmental Sensitivity

4.11.1 Overall the site is currently considered to be of low environmental sensitivity due to the following:

- The underlying soils comprise Secondary aquifers;
- There is a surface water course on the boundary of the site and a drain on site;

- The site is not located within a Source Protection Zone;
- There are no groundwater abstractions within 2000m of the site.

4.11.2 The proposed end use of the site is residential and as such future sensitivity will be high for end users.

4.12 Industrial Land Uses

4.12.1 No significant industrial uses are identified within 250m of the site.

4.12.2 The Groundsure Report indicates that there are no fuel stations within 250m of the site.

4.12.3 Records indicate no high pressure underground oil or gas pipelines within 250m of the site.

4.12.4 No new risks are identified from the register of industrial land uses.

4.13 Regulatory Database

4.13.1 The following information has been obtained from a commercially available environmental database.

Table 4.13.1 Regulatory Database

| Environmental Permits, Incidents and Registers | 0-250m | 250-500m | Details |
|---------------------------------------------------------------------------------------------------------------------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site determined as contaminated land | 0 | 0 | Not applicable. |
| Authorised industrial processes | 0 | 0 | Not applicable. |
| Enforcements, prohibitions or prosecutions | 0 | 0 | Not applicable. |
| Pollution Incidents | 4 | 8 | Nearest is Category 3 (Minor) impact to water from inert material 9m SW. As the material is inert it is not considered a significant risk to the site. |
| Consents issued under the Planning (Hazardous Substances) Act 1990 | 0 | 0 | Not applicable. |
| Control of Major Accident Hazard (COMAH)/ Notification of Installations Handling Hazardous Substances (NIHHS) sites | 0 | 0 | Not applicable. |
| Records of Licensed Discharge Consents | 17 | 14 | Trade effluent and sewage discharges, the nearest being 15m W. Not considered a significant risk. |

4.13.2 No significant risks are identified from the regulatory data base.

4.14 Landfill Sites

4.14.1 There is one historic landfill within 250m of the site. This is located 131m south and was licensed for household, commercial and industrial waste. This landfill appears to be associated with the sewage treatment works. This is unlikely to be a significant risk to the site as it is separated by the Pendleton Brook which should act as a barrier to potential ground gas migration.

4.14.2 No waste activities are identified on site.

4.15 Previous Investigation

4.15.1 No ground investigation information has been provided.

5.0 PRELIMINARY ASSESSMENT

5.1 Preliminary Conceptual Model

5.1.1 Based on the information obtained the following Preliminary Conceptual Model has been prepared:

Table 5.1.1 Preliminary Conceptual Model

| Source | Location | Exposure Pathway | Potential Receptor | Probability of Exposure | Details |
|------------------------------------|----------------------------------|----------------------------------|-----------------------|-------------------------|------------------------------------------------------------------------------|
| Human Health | | | | | |
| Asbestos, metals and hydrocarbons. | Potential on-site sources | Ingestion dermal and inhalation. | Construction Workers. | Dismissed. | No significant source identified. |
| | | | Site users. | Dismissed. | |
| Asbestos, metals and hydrocarbons. | Unforeseen Contamination. | Ingestion dermal and inhalation. | Construction Workers. | Dismissed. | Normal construction PPE will address risk under CDM. |
| | | | Site users. | Very Low. | No significant source identified. Discovery strategy proposed. |
| Hydrocarbon and metals. | Migration from off-site sources. | Ingestion dermal and inhalation. | Construction Workers. | Dismissed. | No significant sources identified. |
| | | | Site users. | | |
| Ground Gas. | Landfill. | Inhalation & Explosive. | Construction Workers. | Dismissed. | No confined access expected. |
| | | | Site users. | Very Low. | Historic landfill within 250m but separated from the site by a water course. |
| | Made Ground | Inhalation & Explosive. | Construction Workers. | Dismissed | No significant source identified. |
| | | | Site users. | | |
| Radon | Natural | Inhalation. | Site users. | Low. | Basic Radon Measures proposed. |
| Groundwater | | | | | |
| Hydrocarbon and metals. | Unforeseen Contamination. | Vertical Migration. | Groundwater. | Dismissed | No source identified. |
| Surface Water | | | | | |
| Hydrocarbon and metals. | Unforeseen Contamination. | Horizontal Migration. | River Network. | Dismissed | No source identified. |
| Environmental Receptors | | | | | |
| On site contaminants | | Ingestion dermal and inhalation. | Ecology. | Dismissed. | No sensitive ecology designation on site. |
| | | Direct. | Archaeology. | Dismissed. | None present. |
| | | Direct. | Geology. | Dismissed. | None present. |
| | | Phytotoxic. | Woodland. | Dismissed. | No significant source. |
| | | Phytotoxic. | Crops. | Dismissed. | No significant source. |
| | | Ingestion dermal and inhalation. | Livestock. | Dismissed. | No significant source. |
| Building Services | | | | | |
| On site contaminants | | Direct. | Historic Buildings. | Dismissed. | No receptors. |
| | | Direct. | Proposed Buildings. | Dismissed. | No source identified. |
| | | Permeate into pipework. | Water Pipes. | Dismissed. | No significant source. |

5.1.2 No significant risks are identified.

6.0 DISCUSSION AND RECOMMENDATIONS

6.1 Land Quality

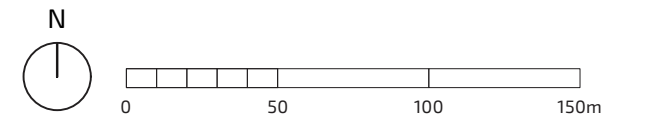
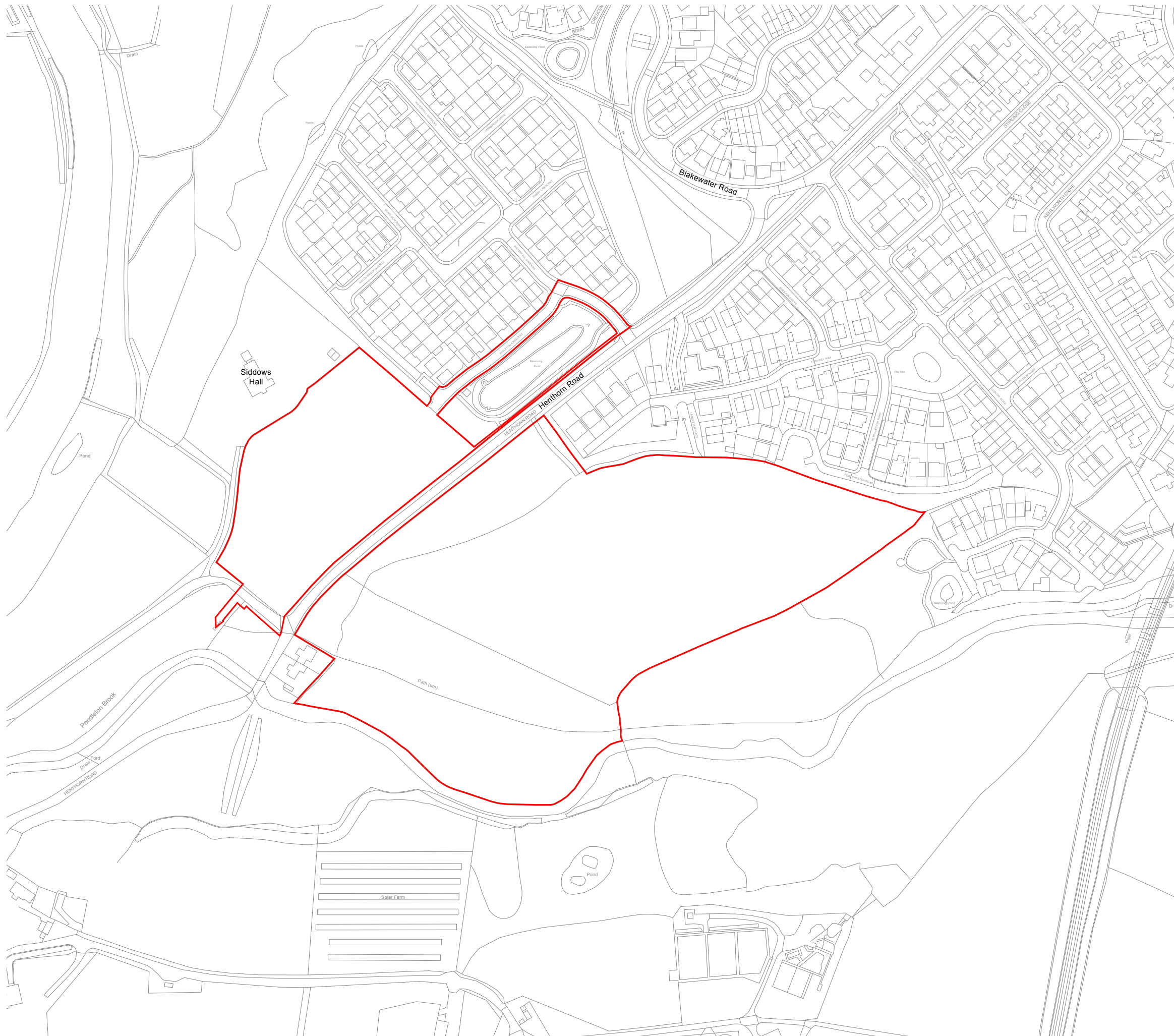
- 6.1.1 No significant contamination risks are identified in relation to the proposed development and no further assessment is considered necessary.
- 6.1.2 There is the potential for ground gas associated with a historic off-site landfill but this is very low and if present can easily be addressed through the use of conventional ground gas protection measures.
- 6.1.3 Basic Radon protection measures are recommended for units developed within the southern area of the site. This should comprise a suitable radon membrane installed within the ground floor slab, which is suitable jointed and sealed to the cavity tray.
- 6.1.4 If unforeseen contamination is encountered during construction works such as localised spillage or presence of localised Made Ground, an Environmental consultant will be available on a 'call out' basis to undertake an assessment of risk. If 'unforeseen contamination' is encountered the discovery strategy will be removal of the source.

6.2 Preliminary Ground Engineering Assessment

- 6.2.1 Conventional strip foundations should generally be suitable.
- 6.2.2 There is a risk that deeper foundations may be required within the southern area of the site associated with the Alluvium. This maybe deeper strip footings, ground improvement or potentially localised piling.
- 6.2.3 Soakaway drainage is unlikely to be feasible based on presence of Glacial Till below the site.
- 6.2.4 There is a low risk of clay heave adjacent to trees.

6.3 Recommendations

- 6.3.1 No further contamination investigation is considered necessary at the site prior to planning. It is considered that ground gas assessment should be undertaken as part of the ground investigation for engineering design but given the very low risk it is considered that this can be undertake post planning under a suitably worded planning condition.
- 6.3.2 A geotechnical ground investigation is recommended to support design of foundations and pavements.



Key
 Site Boundary **7.17ha**

| | | | |
|-----|----------|----------------------|-------------|
| P04 | 11/12/25 | Sheet Scale Changed. | JED / OFD |
| rev | date | description | drwn / chkd |

client
Gladman Developments Ltd.
 project
**Land off Henthorn Road,
 Clitheroe**

title
Site Location Plan scale
 1:2500 @ A3

| | | |
|---------------------------|--------|-----|
| number | status | rev |
| 9053-FPCR-XX-XX-DR-L-0002 | S3 | P04 |

Appendix 1 – Desk Study Information

unspecified

Order Details

Date: 07/02/2025
Your ref: EMS_1001304_1247621
Our Ref: EMS-1001304_1267339

Site Details

Location: 372959 440602
Area: 7.0 ha
Authority: [Ribble Valley Borough Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Summary of findings

| Page | Section | Past land use > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-------------------------|--------------------------|---------------------------------------------------------------|---------|-------|---------|----------|-----------|
| 15 > | 1.1 > | Historical industrial land uses > | 2 | 2 | 27 | 23 | - |
| 18 > | 1.2 > | Historical tanks > | 0 | 0 | 18 | 1 | - |
| 19 > | 1.3 > | Historical energy features > | 0 | 0 | 0 | 2 | - |
| 19 | 1.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 19 | 1.5 | Historical garages | 0 | 0 | 0 | 0 | - |
| 20 | 1.6 | Historical military land | 0 | 0 | 0 | 0 | - |
| Page | Section | Past land use - un-grouped > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 21 > | 2.1 > | Historical industrial land uses > | 2 | 3 | 38 | 26 | - |
| 24 > | 2.2 > | Historical tanks > | 0 | 0 | 22 | 2 | - |
| 25 > | 2.3 > | Historical energy features > | 0 | 0 | 0 | 5 | - |
| 26 | 2.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 26 | 2.5 | Historical garages | 0 | 0 | 0 | 0 | - |
| Page | Section | Waste and landfill > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 27 > | 3.1 > | Active or recent landfill > | 0 | 0 | 1 | 0 | - |
| 28 > | 3.2 > | Historical landfill (BGS records) > | 0 | 0 | 0 | 1 | - |
| 28 > | 3.3 > | Historical landfill (LA/mapping records) > | 0 | 0 | 0 | 1 | - |
| 28 > | 3.4 > | Historical landfill (EA/NRW records) > | 0 | 0 | 1 | 0 | - |
| 29 > | 3.5 > | Historical waste sites > | 0 | 0 | 3 | 2 | - |
| 30 > | 3.6 > | Licensed waste sites > | 0 | 0 | 0 | 13 | - |
| 33 > | 3.7 > | Waste exemptions > | 0 | 0 | 1 | 9 | - |
| Page | Section | Current industrial land use > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 35 > | 4.1 > | Recent industrial land uses > | 0 | 2 | 6 | - | - |
| 36 | 4.2 | Current or recent petrol stations | 0 | 0 | 0 | 0 | - |
| 36 | 4.3 | Electricity cables | 0 | 0 | 0 | 0 | - |
| 36 | 4.4 | Gas pipelines | 0 | 0 | 0 | 0 | - |
| 37 | 4.5 | Sites determined as Contaminated Land | 0 | 0 | 0 | 0 | - |



| 37 | 4.6 | Control of Major Accident Hazards (COMAH) | 0 | 0 | 0 | 0 | - |
|----------------|------------------|-----------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 37 | 4.7 | Regulated explosive sites | 0 | 0 | 0 | 0 | - |
| 37 | 4.8 | Hazardous substance storage/usage | 0 | 0 | 0 | 0 | - |
| 37 | 4.9 | Historical licensed industrial activities (IPC) | 0 | 0 | 0 | 0 | - |
| 38 > | 4.10 > | <u>Licensed industrial activities (Part A(1)) ></u> | 0 | 0 | 0 | 7 | - |
| 39 | 4.11 | Licensed pollutant release (Part A(2)/B) | 0 | 0 | 0 | 0 | - |
| 39 | 4.12 | Radioactive Substance Authorisations | 0 | 0 | 0 | 0 | - |
| 39 > | 4.13 > | <u>Licensed Discharges to controlled waters ></u> | 0 | 1 | 16 | 14 | - |
| 45 | 4.14 | Pollutant release to surface waters (Red List) | 0 | 0 | 0 | 0 | - |
| 45 | 4.15 | Pollutant release to public sewer | 0 | 0 | 0 | 0 | - |
| 45 > | 4.16 > | <u>List 1 Dangerous Substances ></u> | 0 | 0 | 0 | 2 | - |
| 46 > | 4.17 > | <u>List 2 Dangerous Substances ></u> | 0 | 0 | 0 | 1 | - |
| 46 > | 4.18 > | <u>Pollution Incidents (EA/NRW) ></u> | 0 | 3 | 1 | 8 | - |
| 47 | 4.19 | Pollution inventory substances | 0 | 0 | 0 | 0 | - |
| 48 | 4.20 | Pollution inventory waste transfers | 0 | 0 | 0 | 0 | - |
| 48 | 4.21 | Pollution inventory radioactive waste | 0 | 0 | 0 | 0 | - |
| Page | Section | <u>Hydrogeology ></u> | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 49 > | 5.1 > | <u>Superficial aquifer ></u> | Identified (within 500m) | | | | |
| 51 > | 5.2 > | <u>Bedrock aquifer ></u> | Identified (within 500m) | | | | |
| 53 > | 5.3 > | <u>Groundwater vulnerability ></u> | Identified (within 50m) | | | | |
| 55 > | 5.4 > | <u>Groundwater vulnerability- soluble rock risk ></u> | Identified (within 0m) | | | | |
| 55 | 5.5 | Groundwater vulnerability- local information | None (within 0m) | | | | |
| 56 | 5.6 | Groundwater abstractions | 0 | 0 | 0 | 0 | 0 |
| 57 > | 5.7 > | <u>Surface water abstractions ></u> | 0 | 0 | 0 | 0 | 14 |
| 60 | 5.8 | Potable abstractions | 0 | 0 | 0 | 0 | 0 |
| 61 | 5.9 | Source Protection Zones | 0 | 0 | 0 | 0 | - |
| 61 | 5.10 | Source Protection Zones (confined aquifer) | 0 | 0 | 0 | 0 | - |
| Page | Section | <u>Hydrology ></u> | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 62 > | 6.1 > | <u>Water Network (OS MasterMap) ></u> | 6 | 4 | 12 | - | - |



| 64 > | 6.2 > | Surface water features > | 1 | 6 | 6 | - | - |
|----------------------|------------------------|------------------------------------------------------------|----------------------------------------------|-------|---------|----------|-----------|
| 65 > | 6.3 > | WFD Surface water body catchments > | 1 | - | - | - | - |
| 65 > | 6.4 > | WFD Surface water bodies > | 1 | 0 | 0 | - | - |
| 65 > | 6.5 > | WFD Groundwater bodies > | 1 | - | - | - | - |
| Page | Section | River and coastal flooding > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 67 > | 7.1 > | Risk of flooding from rivers and the sea > | High (within 50m) | | | | |
| 68 | 7.2 | Historical Flood Events | 0 | 0 | 0 | - | - |
| 68 | 7.3 | Flood Defences | 0 | 0 | 0 | - | - |
| 68 | 7.4 | Areas Benefiting from Flood Defences | 0 | 0 | 0 | - | - |
| 68 | 7.5 | Flood Storage Areas | 0 | 0 | 0 | - | - |
| 69 > | 7.6 > | Flood Zone 2 > | Identified (within 50m) | | | | |
| 70 > | 7.7 > | Flood Zone 3 > | Identified (within 50m) | | | | |
| Page | Section | Surface water flooding > | | | | | |
| 71 > | 8.1 > | Surface water flooding > | 1 in 30 year, Greater than 1.0m (within 50m) | | | | |
| Page | Section | Groundwater flooding > | | | | | |
| 73 > | 9.1 > | Groundwater flooding > | Low (within 50m) | | | | |
| Page | Section | Environmental designations > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 74 | 10.1 | Sites of Special Scientific Interest (SSSI) | 0 | 0 | 0 | 0 | 0 |
| 75 | 10.2 | Conserved wetland sites (Ramsar sites) | 0 | 0 | 0 | 0 | 0 |
| 75 | 10.3 | Special Areas of Conservation (SAC) | 0 | 0 | 0 | 0 | 0 |
| 75 | 10.4 | Special Protection Areas (SPA) | 0 | 0 | 0 | 0 | 0 |
| 75 | 10.5 | National Nature Reserves (NNR) | 0 | 0 | 0 | 0 | 0 |
| 76 | 10.6 | Local Nature Reserves (LNR) | 0 | 0 | 0 | 0 | 0 |
| 76 > | 10.7 > | Designated Ancient Woodland > | 0 | 0 | 0 | 0 | 1 |
| 76 | 10.8 | Biosphere Reserves | 0 | 0 | 0 | 0 | 0 |
| 76 | 10.9 | Forest Parks | 0 | 0 | 0 | 0 | 0 |
| 77 | 10.10 | Marine Conservation Zones | 0 | 0 | 0 | 0 | 0 |
| 77 | 10.11 | Green Belt | 0 | 0 | 0 | 0 | 0 |
| 77 | 10.12 | Proposed Ramsar sites | 0 | 0 | 0 | 0 | 0 |



| 77 | 10.13 | Possible Special Areas of Conservation (pSAC) | 0 | 0 | 0 | 0 | 0 |
|----------------|-------------------|-----------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 77 | 10.14 | Potential Special Protection Areas (pSPA) | 0 | 0 | 0 | 0 | 0 |
| 78 | 10.15 | Nitrate Sensitive Areas | 0 | 0 | 0 | 0 | 0 |
| 78 | 10.16 | Nitrate Vulnerable Zones | 0 | 0 | 0 | 0 | 0 |
| 79 > | 10.17 > | <u>SSSI Impact Risk Zones ></u> | 1 | - | - | - | - |
| 80 | 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 |
| 81 | 11.1 | World Heritage Sites | 0 | 0 | 0 | - | - |
| 81 | 11.2 | Area of Outstanding Natural Beauty | 0 | 0 | 0 | - | - |
| 81 | 11.3 | National Parks | 0 | 0 | 0 | - | - |
| 81 | 11.4 | Listed Buildings | 0 | 0 | 0 | - | - |
| 82 | 11.5 | Conservation Areas | 0 | 0 | 0 | - | - |
| 82 | 11.6 | Scheduled Ancient Monuments | 0 | 0 | 0 | - | - |
| 82 | 11.7 | Registered Parks and Gardens | 0 | 0 | 0 | - | - |
| Page | Section | <u>Agricultural designations ></u> | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 83 > | 12.1 > | <u>Agricultural Land Classification ></u> | Grade 3 (within 250m) | | | | |
| 84 | 12.2 | Open Access Land | 0 | 0 | 0 | - | - |
| 84 | 12.3 | Tree Felling Licences | 0 | 0 | 0 | - | - |
| 84 | 12.4 | Environmental Stewardship Schemes | 0 | 0 | 0 | - | - |
| 84 > | 12.5 > | <u>Countryside Stewardship Schemes ></u> | 0 | 0 | 1 | - | - |
| Page | Section | <u>Habitat designations ></u> | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 85 > | 13.1 > | <u>Priority Habitat Inventory ></u> | 0 | 2 | 6 | - | - |
| 86 | 13.2 | Habitat Networks | 0 | 0 | 0 | - | - |
| 86 | 13.3 | Open Mosaic Habitat | 0 | 0 | 0 | - | - |
| 86 | 13.4 | Limestone Pavement Orders | 0 | 0 | 0 | - | - |
| Page | Section | <u>Geology 1:10,000 scale ></u> | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 87 > | 14.1 > | <u>10k Availability ></u> | Identified (within 500m) | | | | |
| 88 | 14.2 | Artificial and made ground (10k) | 0 | 0 | 0 | 0 | - |
| 89 | 14.3 | Superficial geology (10k) | 0 | 0 | 0 | 0 | - |

| 89 | 14.4 | Landslip (10k) | 0 | 0 | 0 | 0 | - |
|--------------------------|----------------------------|---------------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 90 | 14.5 | Bedrock geology (10k) | 0 | 0 | 0 | 0 | - |
| 90 | 14.6 | Bedrock faults and other linear features (10k) | 0 | 0 | 0 | 0 | - |
| Page | Section | Geology 1:50,000 scale > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 91 > | 15.1 > | 50k Availability > | Identified (within 500m) | | | | |
| 92 | 15.2 | Artificial and made ground (50k) | 0 | 0 | 0 | 0 | - |
| 92 | 15.3 | Artificial ground permeability (50k) | 0 | 0 | - | - | - |
| 93 > | 15.4 > | Superficial geology (50k) > | 3 | 0 | 0 | 1 | - |
| 94 > | 15.5 > | Superficial permeability (50k) > | Identified (within 50m) | | | | |
| 94 | 15.6 | Landslip (50k) | 0 | 0 | 0 | 0 | - |
| 94 | 15.7 | Landslip permeability (50k) | None (within 50m) | | | | |
| 95 > | 15.8 > | Bedrock geology (50k) > | 2 | 0 | 0 | 0 | - |
| 96 > | 15.9 > | Bedrock permeability (50k) > | Identified (within 50m) | | | | |
| 96 > | 15.10 > | Bedrock faults and other linear features (50k) > | 1 | 0 | 0 | 0 | - |
| Page | Section | Boreholes > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 97 > | 16.1 > | BGS Boreholes > | 0 | 0 | 3 | - | - |
| Page | Section | Natural ground subsidence > | | | | | |
| 99 > | 17.1 > | Shrink swell clays > | Very low (within 50m) | | | | |
| 100 > | 17.2 > | Running sands > | Low (within 50m) | | | | |
| 102 > | 17.3 > | Compressible deposits > | Moderate (within 50m) | | | | |
| 104 > | 17.4 > | Collapsible deposits > | Very low (within 50m) | | | | |
| 105 > | 17.5 > | Landslides > | Very low (within 50m) | | | | |
| 106 > | 17.6 > | Ground dissolution of soluble rocks > | Very low (within 50m) | | | | |
| Page | Section | Mining and ground workings > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 108 | 18.1 | BritPits | 0 | 0 | 0 | 0 | - |
| 109 > | 18.2 > | Surface ground workings > | 2 | 3 | 25 | - | - |
| 110 | 18.3 | Underground workings | 0 | 0 | 0 | 0 | 0 |
| 110 | 18.4 | Underground mining extents | 0 | 0 | 0 | 0 | - |
| 110 | 18.5 | Historical Mineral Planning Areas | 0 | 0 | 0 | 0 | - |



| 111 > | 18.6 > | Non-coal mining > | 1 | 0 | 0 | 1 | 0 |
|-----------------------|------------------------|-----------------------------------------------------------|-------------------------------|-------|---------|----------|-----------|
| 111 | 18.7 | JPB mining areas | None (within 0m) | | | | |
| 111 | 18.8 | The Coal Authority non-coal mining | 0 | 0 | 0 | 0 | - |
| 112 | 18.9 | Researched mining | 0 | 0 | 0 | 0 | - |
| 112 | 18.10 | Mining record office plans | 0 | 0 | 0 | 0 | - |
| 112 | 18.11 | BGS mine plans | 0 | 0 | 0 | 0 | - |
| 112 | 18.12 | Coal mining | None (within 0m) | | | | |
| 112 | 18.13 | Brine areas | None (within 0m) | | | | |
| 113 | 18.14 | Gypsum areas | None (within 0m) | | | | |
| 113 | 18.15 | Tin mining | None (within 0m) | | | | |
| 113 | 18.16 | Clay mining | None (within 0m) | | | | |
| Page | Section | Ground cavities and sinkholes | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 114 | 19.1 | Natural cavities | 0 | 0 | 0 | 0 | - |
| 114 | 19.2 | Mining cavities | 0 | 0 | 0 | 0 | 0 |
| 114 | 19.3 | Reported recent incidents | 0 | 0 | 0 | 0 | - |
| 114 | 19.4 | Historical incidents | 0 | 0 | 0 | 0 | - |
| Page | Section | Radon > | Between 3% and 5% (within 0m) | | | | |
| 116 > | 20.1 > | Radon > | Between 3% and 5% (within 0m) | | | | |
| Page | Section | Soil chemistry > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 118 > | 21.1 > | BGS Estimated Background Soil Chemistry > | 13 | 3 | - | - | - |
| 119 | 21.2 | BGS Estimated Urban Soil Chemistry | 0 | 0 | - | - | - |
| 119 | 21.3 | BGS Measured Urban Soil Chemistry | 0 | 0 | - | - | - |
| Page | Section | Railway infrastructure and projects > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 120 | 22.1 | Underground railways (London) | 0 | 0 | 0 | - | - |
| 120 | 22.2 | Underground railways (Non-London) | 0 | 0 | 0 | - | - |
| 121 | 22.3 | Railway tunnels | 0 | 0 | 0 | - | - |
| 121 | 22.4 | Historical railway and tunnel features | 0 | 0 | 0 | - | - |
| 121 | 22.5 | Royal Mail tunnels | 0 | 0 | 0 | - | - |
| 121 | 22.6 | Historical railways | 0 | 0 | 0 | - | - |

| | | | | | | | |
|-----------------------|------------------------|----------------------------|---|---|----|---|---|
| 121 > | 22.7 > | Railways > | 0 | 0 | 10 | - | - |
| 122 | 22.8 | Crossrail 2 | 0 | 0 | 0 | 0 | - |
| 122 | 22.9 | HS2 | 0 | 0 | 0 | 0 | - |

Recent aerial photograph



Capture Date: 30/05/2021

Site Area: 7.0ha



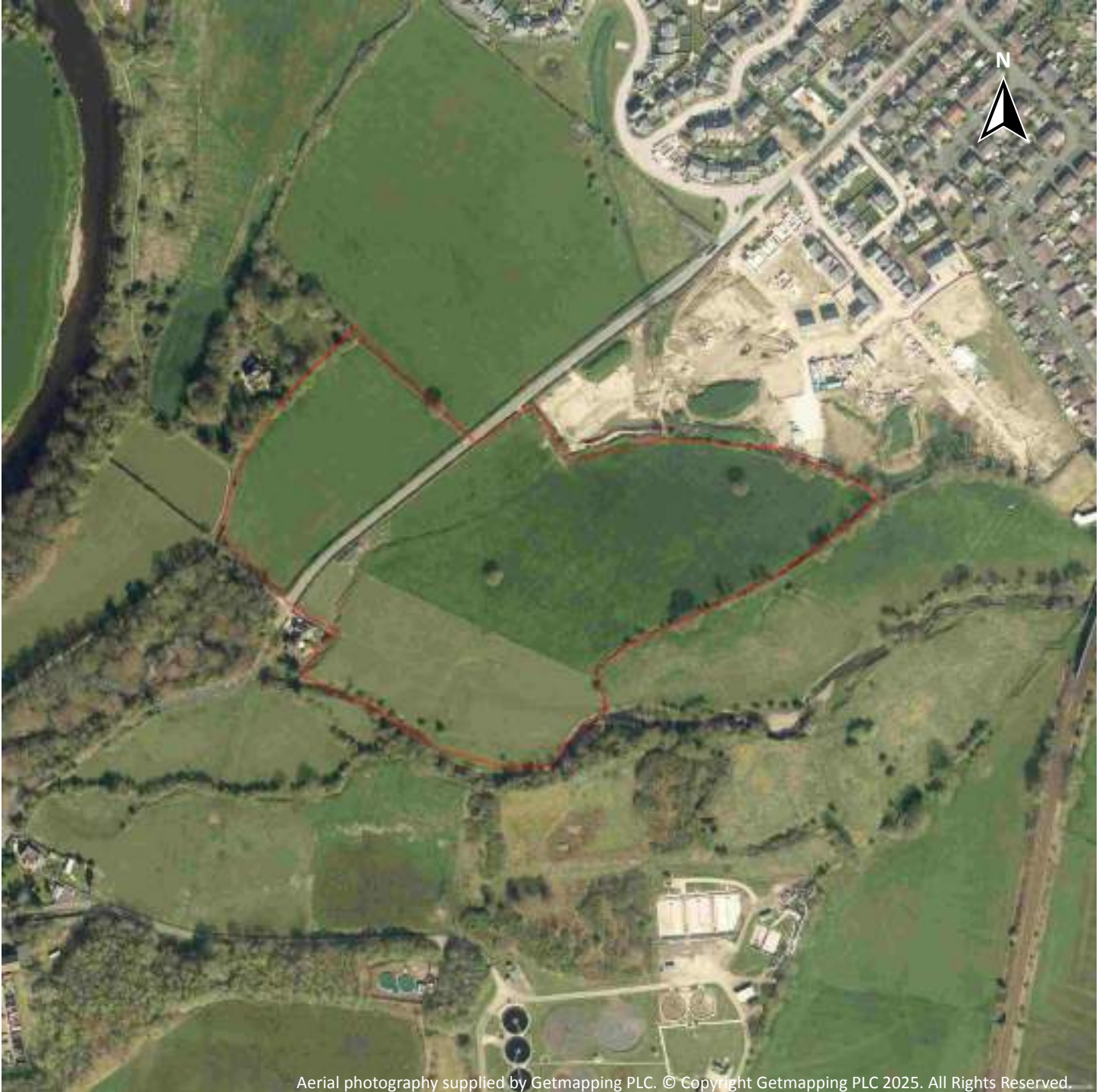
Recent site history - 2018 aerial photograph



Capture Date: 10/06/2018

Site Area: 7.0ha

Recent site history - 2017 aerial photograph



Capture Date: 08/04/2017

Site Area: 7.0ha



Recent site history - 2015 aerial photograph



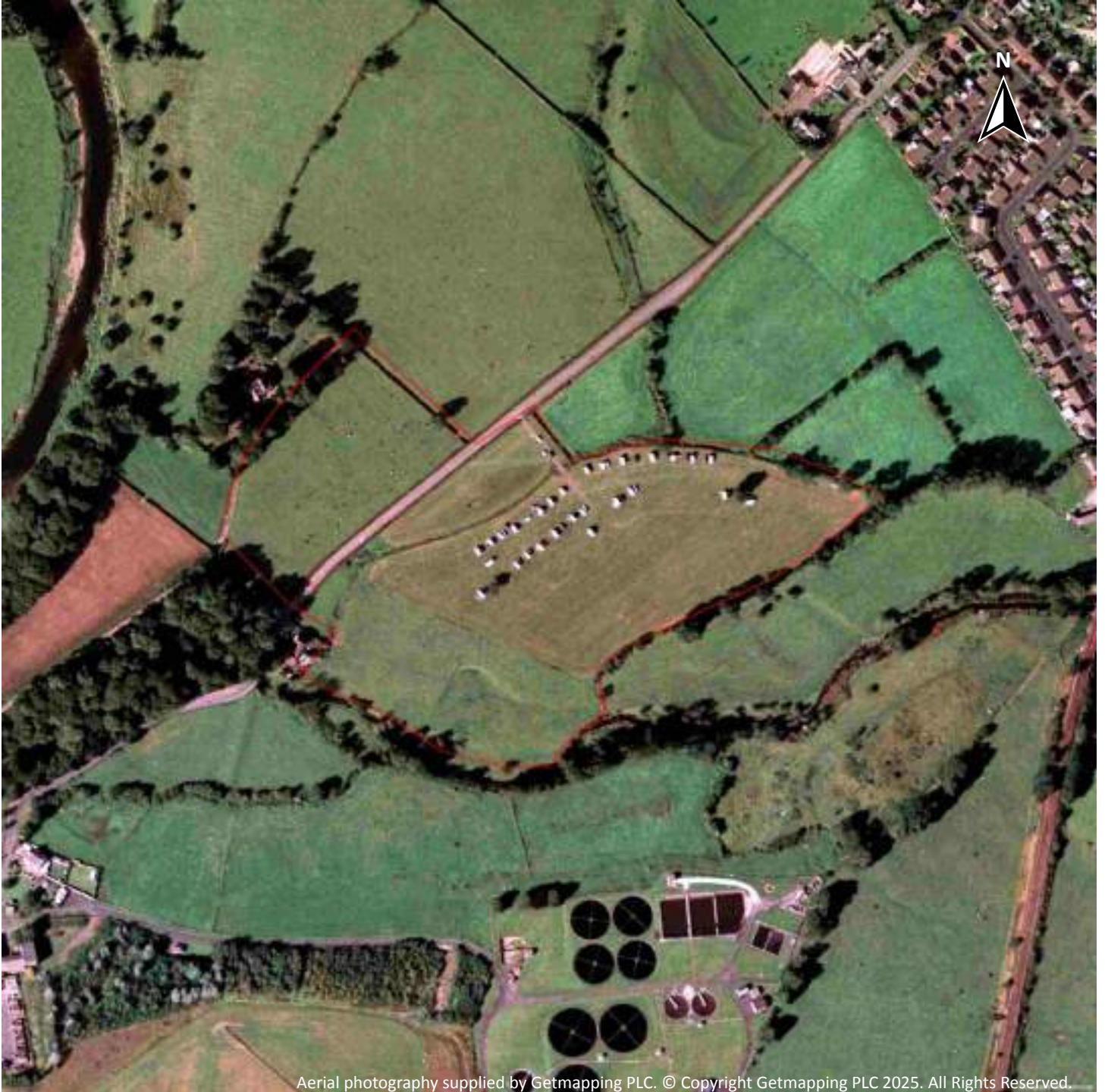
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2025. All Rights Reserved.

Capture Date: 08/08/2015

Site Area: 7.0ha



Recent site history - 1999 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2025. All Rights Reserved.

Capture Date: 10/09/1999

Site Area: 7.0ha



OS MasterMap site plan



Site Area: 7.0ha



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 **54**

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 | On site | Sewage Farm | 1955 | 725312 |

| ID | Location | Land use | Dates present | Group ID |
|----------|----------------|-----------------------------------|---------------|---------------|
| A | On site | Sewage Works | 1971 | 691831 |
| A | 12m E | Unspecified Heap | 1911 | 760324 |
| 2 | 28m SW | Unspecified Heap | 1930 - 1938 | 728416 |
| B | 89m S | Unspecified Tanks | 1955 - 1971 | 783550 |
| B | 97m S | Unspecified Commercial/Industrial | 1930 - 1938 | 723046 |
| B | 104m S | Unspecified Ground Workings | 1930 - 1938 | 786164 |
| 3 | 116m SE | Unspecified Ground Workings | 1930 - 1938 | 781712 |
| A | 116m SE | Unspecified Commercial/Industrial | 1930 - 1938 | 756388 |
| A | 117m SE | Unspecified Heap | 1971 | 796394 |
| A | 119m E | Unspecified Tanks | 1971 | 716636 |
| A | 120m E | Unspecified Commercial/Industrial | 1910 | 749505 |
| A | 121m SE | Unspecified Heap | 1930 - 1938 | 800315 |
| A | 123m SE | Unspecified Heap | 1955 | 744133 |
| C | 124m SW | Unspecified Tank | 1910 | 776939 |
| C | 124m SW | Unspecified Tank | 1930 - 1938 | 789122 |
| A | 124m SE | Filter Beds | 1910 | 685261 |
| A | 127m SE | Unspecified Tanks | 1930 - 1938 | 777546 |
| A | 127m E | Unspecified Tanks | 1955 | 716241 |
| A | 130m SE | Unspecified Tanks | 1955 | 750517 |
| A | 132m E | Filter Beds | 1911 | 685262 |
| A | 136m E | Unspecified Tanks | 1910 | 743121 |
| A | 147m E | Unspecified Tanks | 1910 | 788216 |
| E | 175m SW | Refuse Destructor | 1955 | 707868 |
| B | 176m SE | Filter Beds | 1910 | 685260 |
| B | 176m SE | Unspecified Tanks | 1930 - 1955 | 762646 |
| B | 195m SE | Unspecified Tanks | 1910 | 666904 |
| E | 203m SW | Mill Pond | 1911 | 763537 |
| E | 205m SW | Refuse Destructor | 1930 - 1938 | 750938 |



| ID | Location | Land use | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| E | 217m SW | Sewage Works | 1971 | 691830 |
| E | 218m SW | Mill Pond | 1847 | 731106 |
| E | 252m SW | Corn Mill | 1847 | 658577 |
| 4 | 253m S | Sewage Farm | 1932 | 757131 |
| E | 267m SW | Unspecified Mill | 1911 | 673595 |
| F | 311m E | Railway Sidings | 1911 | 789003 |
| 5 | 347m SW | Sewage Farm | 1910 | 665103 |
| G | 353m SW | Unspecified Tank | 1955 | 721347 |
| G | 361m SW | Unspecified Tank | 1910 | 780093 |
| G | 361m SW | Unspecified Tank | 1932 | 800540 |
| 6 | 365m SW | Refuse Heap | 1971 | 656983 |
| F | 396m NE | Railway Sidings | 1955 | 754574 |
| H | 419m E | Unspecified Works | 1955 | 805584 |
| I | 419m N | Unspecified Pit | 1910 | 721683 |
| I | 419m N | Unspecified Pit | 1930 - 1938 | 729409 |
| I | 424m N | Shale Tip | 1847 | 684979 |
| I | 424m N | Unspecified Pit | 1955 | 736598 |
| I | 424m N | Unspecified Old Quarry | 1911 | 659768 |
| 7 | 441m SW | Unspecified Heap | 1971 | 689410 |
| H | 483m E | Unspecified Works | 1930 - 1938 | 721435 |
| H | 483m E | Unspecified Works | 1910 | 762602 |
| K | 487m E | Unspecified Mill | 1910 | 712809 |
| K | 487m E | Unspecified Mill | 1930 - 1938 | 747835 |
| K | 495m E | Unspecified Mill | 1955 | 786755 |
| H | 496m E | Calico Print Works | 1847 | 673715 |

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

19

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 |
|----|----------|------------------|---------------|----------|
| B | 97m S | Tanks | 1995 - 1997 | 100136 |
| B | 115m S | Settling Tank | 1964 | 82934 |
| B | 118m SE | Settling Tanks | 1964 - 1978 | 95369 |
| A | 124m E | Settling Tanks | 1964 | 91342 |
| A | 125m E | Tanks | 1978 | 105229 |
| A | 127m E | Tanks | 1932 | 93874 |
| A | 127m SE | Unspecified Tank | 1932 | 85654 |
| A | 134m E | Tanks | 1912 | 101642 |
| C | 144m SW | Unspecified Tank | 1912 - 1932 | 107035 |
| A | 147m E | Unspecified Tank | 1912 | 85653 |
| A | 148m SE | Unspecified Tank | 1932 | 85655 |
| D | 169m S | Tanks | 1997 | 103830 |
| D | 169m S | Tanks | 1995 | 100776 |
| B | 173m SE | Tanks | 1912 - 1932 | 106567 |
| B | 179m S | Tanks | 1997 | 92816 |
| B | 180m SE | Settling Tanks | 1978 | 106871 |
| B | 185m SE | Tanks | 1978 | 81280 |
| B | 187m SE | Tanks | 1978 | 81281 |
| H | 490m E | Unspecified Tank | 1964 - 1978 | 105869 |

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m**2**

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 |
|----|----------|------------------------|---------------|----------|
| J | 430m NE | Electricity Substation | 1983 - 1996 | 55578 |
| J | 435m NE | Electricity Substation | 1976 | 48995 |

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

69

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 21](#) >

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------|------|----------|
| 1 | On site | Sewage Farm | 1955 | 725312 |
| A | On site | Sewage Works | 1971 | 691831 |
| A | 12m E | Unspecified Heap | 1911 | 760324 |

| ID | Location | Land Use | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| B | 28m SW | Unspecified Heap | 1938 | 728416 |
| B | 28m SW | Unspecified Heap | 1930 | 728416 |
| C | 89m S | Unspecified Tanks | 1971 | 783550 |
| C | 97m S | Unspecified Commercial/Industrial | 1938 | 723046 |
| C | 97m S | Unspecified Commercial/Industrial | 1930 | 723046 |
| C | 104m S | Unspecified Ground Workings | 1938 | 786164 |
| C | 104m S | Unspecified Ground Workings | 1930 | 786164 |
| C | 106m S | Unspecified Tanks | 1955 | 783550 |
| A | 116m SE | Unspecified Commercial/Industrial | 1938 | 756388 |
| A | 116m SE | Unspecified Commercial/Industrial | 1930 | 756388 |
| D | 116m SE | Unspecified Ground Workings | 1938 | 781712 |
| D | 116m SE | Unspecified Ground Workings | 1930 | 781712 |
| A | 117m SE | Unspecified Heap | 1971 | 796394 |
| A | 119m E | Unspecified Tanks | 1971 | 716636 |
| A | 120m E | Unspecified Commercial/Industrial | 1910 | 749505 |
| A | 121m SE | Unspecified Heap | 1938 | 800315 |
| A | 121m SE | Unspecified Heap | 1930 | 800315 |
| A | 123m SE | Unspecified Heap | 1955 | 744133 |
| E | 124m SW | Unspecified Tank | 1938 | 789122 |
| E | 124m SW | Unspecified Tank | 1930 | 789122 |
| E | 124m SW | Unspecified Tank | 1910 | 776939 |
| A | 124m SE | Filter Beds | 1910 | 685261 |
| A | 127m SE | Unspecified Tanks | 1938 | 777546 |
| A | 127m SE | Unspecified Tanks | 1930 | 777546 |
| A | 127m E | Unspecified Tanks | 1955 | 716241 |
| A | 130m SE | Unspecified Tanks | 1955 | 750517 |
| A | 132m E | Filter Beds | 1911 | 685262 |
| A | 136m E | Unspecified Tanks | 1910 | 743121 |



| ID | Location | Land Use | Date | Group ID |
|----|----------|-------------------|------|----------|
| A | 147m E | Unspecified Tanks | 1910 | 788216 |
| G | 175m SW | Refuse Destructor | 1955 | 707868 |
| C | 176m SE | Filter Beds | 1910 | 685260 |
| C | 176m SE | Unspecified Tanks | 1938 | 762646 |
| C | 176m SE | Unspecified Tanks | 1930 | 762646 |
| C | 179m SE | Unspecified Tanks | 1955 | 762646 |
| C | 195m SE | Unspecified Tanks | 1910 | 666904 |
| G | 203m SW | Mill Pond | 1911 | 763537 |
| G | 205m SW | Refuse Destructor | 1938 | 750938 |
| G | 205m SW | Refuse Destructor | 1930 | 750938 |
| G | 217m SW | Sewage Works | 1971 | 691830 |
| G | 218m SW | Mill Pond | 1847 | 731106 |
| G | 252m SW | Corn Mill | 1847 | 658577 |
| 2 | 253m S | Sewage Farm | 1932 | 757131 |
| G | 267m SW | Unspecified Mill | 1911 | 673595 |
| H | 311m E | Railway Sidings | 1911 | 789003 |
| 3 | 347m SW | Sewage Farm | 1910 | 665103 |
| I | 353m SW | Unspecified Tank | 1955 | 721347 |
| I | 361m SW | Unspecified Tank | 1932 | 800540 |
| I | 361m SW | Unspecified Tank | 1910 | 780093 |
| 4 | 365m SW | Refuse Heap | 1971 | 656983 |
| H | 396m NE | Railway Sidings | 1955 | 754574 |
| J | 419m E | Unspecified Works | 1955 | 805584 |
| K | 419m N | Unspecified Pit | 1938 | 729409 |
| K | 419m N | Unspecified Pit | 1930 | 729409 |
| K | 419m N | Unspecified Pit | 1910 | 721683 |
| K | 424m N | Shale Tip | 1847 | 684979 |
| K | 424m N | Unspecified Pit | 1955 | 736598 |



| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------------|------|----------|
| K | 424m N | Unspecified Old Quarry | 1911 | 659768 |
| 5 | 441m SW | Unspecified Heap | 1971 | 689410 |
| J | 483m E | Unspecified Works | 1938 | 721435 |
| J | 483m E | Unspecified Works | 1930 | 721435 |
| J | 483m E | Unspecified Works | 1910 | 762602 |
| M | 487m E | Unspecified Mill | 1938 | 747835 |
| M | 487m E | Unspecified Mill | 1930 | 747835 |
| M | 487m E | Unspecified Mill | 1910 | 712809 |
| M | 495m E | Unspecified Mill | 1955 | 786755 |
| J | 496m E | Calico Print Works | 1847 | 673715 |

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

24

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 21 >](#)

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------|------|----------|
| C | 97m S | Tanks | 1995 | 100136 |
| C | 97m S | Tanks | 1997 | 100136 |
| C | 115m S | Settling Tank | 1964 | 82934 |
| C | 118m SE | Settling Tanks | 1964 | 95369 |
| C | 118m SE | Settling Tanks | 1978 | 95369 |
| A | 124m E | Settling Tanks | 1964 | 91342 |
| A | 125m E | Tanks | 1978 | 105229 |
| A | 127m E | Tanks | 1932 | 93874 |
| A | 127m SE | Unspecified Tank | 1932 | 85654 |
| A | 134m E | Tanks | 1912 | 101642 |



| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------|------|----------|
| E | 144m SW | Unspecified Tank | 1912 | 107035 |
| E | 144m SW | Unspecified Tank | 1932 | 107035 |
| A | 147m E | Unspecified Tank | 1912 | 85653 |
| A | 148m SE | Unspecified Tank | 1932 | 85655 |
| F | 169m S | Tanks | 1997 | 103830 |
| F | 169m S | Tanks | 1995 | 100776 |
| C | 173m SE | Tanks | 1912 | 106567 |
| C | 173m SE | Tanks | 1932 | 106567 |
| C | 179m S | Tanks | 1997 | 92816 |
| C | 180m SE | Settling Tanks | 1978 | 106871 |
| C | 185m SE | Tanks | 1978 | 81280 |
| C | 187m SE | Tanks | 1978 | 81281 |
| J | 490m E | Unspecified Tank | 1964 | 105869 |
| J | 490m E | Unspecified Tank | 1978 | 105869 |

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

5

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 21 >](#)

| ID | Location | Land Use | Date | Group ID |
|----|----------|------------------------|------|----------|
| L | 430m NE | Electricity Substation | 1983 | 55578 |
| L | 430m NE | Electricity Substation | 1983 | 55578 |
| L | 432m NE | Electricity Substation | 1996 | 55578 |
| L | 432m NE | Electricity Substation | 1995 | 55578 |
| L | 435m NE | Electricity Substation | 1976 | 48995 |

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 landfill (BGS)
- Historical landfill (LA/OS)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

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3.1 Active or recent landfill

Records within 500m

1

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 27 >](#)

| ID | Location | Details |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | 131m S | <p>Operator: Suez Recycling And Recovery Lancashire Ltd Site Address: Suez Recycling And Recovery Lancashire Ltd, Land/premises At, Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF</p> <p>WML Number: 54102 EPR Reference: 643036 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Closure IPPC Reference: - EPR Number: EA/EPR/AP3095SA</p> |



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

3.2 Historical landfill (BGS records)

Records within 500m

1

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.

Features are displayed on the Waste and landfill map on [page 27 >](#)

| ID | Location | Address | BGS Number | Risk | Waste Type |
|----|----------|------------------------------------------|------------|--------------------|------------|
| D | 387m SW | Hewthorn Tip, Hewthorn, Clitheroe, Lancs | 1916 | No risk to aquifer | N/A |

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 27 >](#)

| ID | Location | Site address | Source | Data type |
|----|----------|--------------|--------------|-----------|
| 4 | 370m SW | Refuse Tip | 1964 mapping | Polygon |

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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 27 >](#)

| ID | Location | Details | | |
|----|----------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1 | 130m S | Site Address: Henthorn Tip, Hewthorn, Clitheroe, Lancashire Licence Holder Address: - | Waste Licence: - Site Reference: - Waste Type: Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: - | Operator: Clitheroe Metropolitan Borough Licence Holder: - First Recorded 31/12/1920 Last Recorded: - |

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

3.5 Historical waste sites

| | |
|----------------------------|----------|
| Records within 500m | 5 |
|----------------------------|----------|

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 27 >](#)

| ID | Location | Address | Further Details | Date |
|----|----------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| A | 175m SW | Site Address: N/A | Type of Site: Refuse Destructor (B) Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon | 1955 |
| A | 205m SW | Site Address: N/A | Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon | 1938 |
| A | 205m SW | Site Address: N/A | Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon | 1930 |
| A | 275m SW | Site Address: N/A | Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon | 1964 |
| A | 283m SW | Site Address: N/A | Type of Site: Refuse Destroyer Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon | 1932 |

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



3.6 Licensed waste sites

Records within 500m
13

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 27 >](#)

| ID | Location | Details | | |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 297m SW | Site Name: Henthorn Road H W D C Site Address: Land/premises At, Henthorn Road, Clitheroe, Lancashire, BB7 2QF Correspondence Address: - | Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT019 EPR reference: EA/EPR/RP3391CW/V002 Operator: Sita (Lancashire) Ltd Waste Management licence No: 54114 Annual Tonnage: 24999 | Issue Date: 14/05/1993 Effective Date: - Modified: 25/11/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified |
| A | 297m SW | Site Name: Henthorn Road H W D C Site Address: Land/premises At, Henthorn Road, Clitheroe, Lancashire, BB7 2QF Correspondence Address: - | Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT019 EPR reference: EA/EPR/RP3391CW/V002 Operator: Sita (Lancashire) Ltd Waste Management licence No: 54114 Annual Tonnage: 24999 | Issue Date: 14/05/1993 Effective Date: - Modified: 25/11/2002 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified |
| A | 297m SW | Site Name: Henthorn Road H W D C Site Address: Land/premises At, Henthorn Road, Clitheroe, Lancashire, BB7 2QF Correspondence Address: - | Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT019 EPR reference: EA/EPR/RP3391CW/V004 Operator: Suez Recycling And Recovery Lancashire Ltd Waste Management licence No: 54114 Annual Tonnage: 24999 | Issue Date: 14/05/1993 Effective Date: - Modified: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified |



| ID | Location | Details | | |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 297m SW | Site Name: Clitheroe Household Waste Recycling Centre Site Address: Henthorn Road, Clitheroe, Lancashire, BB7 3BY Correspondence Address: - | Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640725 EPR reference: EA/EPR/FB3509GV Operator: Lancashire County Council Waste Management licence No: 54114 Annual Tonnage: 24999 | Issue Date: 14/05/1993 Effective Date: 14/05/1993 Modified: 14/05/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued |
| A | 310m SW | Site Name: Henthorn Road Landfill Site Site Address: Land/premises At, Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: - | Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT007 EPR reference: EA/EPR/AP3095SA/V003 Operator: Sita (Lancashire) Ltd Waste Management licence No: 54102 Annual Tonnage: 4999 | Issue Date: 14/05/1993 Effective Date: - Modified: 09/01/2014 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified |
| A | 310m SW | Site Name: Henthorn Road Landfill Site Site Address: Land/premises At, Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: - | Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 647347 EPR reference: EA/EPR/AP3095SA Operator: Suez Recycling And Recovery Lancashire Ltd Waste Management licence No: 54102 Annual Tonnage: 4999 | Issue Date: 14/05/1993 Effective Date: 14/05/1993 Modified: 14/05/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure |
| D | 387m SW | Site Name: Henthorn Road H W D C Site Address: Henthorn Road, Clitheroe, Lancashire, BB7 2QF Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ | Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT019 EPR reference: - Operator: Sita U K Ltd Waste Management licence No: 54114 Annual Tonnage: 24999 | Issue Date: 14/05/1993 Effective Date: - Modified: 25/11/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified |



| ID | Location | Details | | |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| D | 387m SW | Site Name: Henthorn Road H W D C Site Address: Henthorn Road, Clitheroe, Lancashire, BB7 2QF Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ | Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT019 EPR reference: - Operator: Sita (Lancashire) Ltd Waste Management licence No: 54114 Annual Tonnage: 0 | Issue Date: 14/05/1993 Effective Date: - Modified: 25/11/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified |
| E | 454m S | Site Name: Henthorn Road L T P Site Address: Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ | Type of Site: - Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT208 EPR reference: - Operator: Sita (Lancashire) Ltd Waste Management licence No: 54494 Annual Tonnage: 0 | Issue Date: 31/03/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC |
| E | 454m S | Site Name: Henthorn Road L T P Site Address: Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: - | Type of Site: Co-Disposal Landfill Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653610 EPR reference: EA/EPR/MP3393ZE Operator: Suez Recycling And Recovery Lancashire Ltd Waste Management licence No: 54494 Annual Tonnage: 1 | Issue Date: 31/03/2006 Effective Date: 31/03/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired |
| F | 458m S | Site Name: Henthorn Road L F S Site Address: Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ | Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT007 EPR reference: - Operator: Sita (Lancashire) Ltd Waste Management licence No: 54102 Annual Tonnage: 0 | Issue Date: 14/05/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued |



| ID | Location | Details | | |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| F | 458m S | Site Name: Henthorn Road L F S Site Address: Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ | Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT007 EPR reference: - Operator: Sita U K Ltd Waste Management licence No: 54102 Annual Tonnage: 74999 | Issue Date: 14/05/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued |
| F | 458m S | Site Name: Henthorn Road L F S Site Address: Henthorn Road, Clitheroe, Blackburn, Lancashire, BB7 2QF Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ | Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT007 EPR reference: - Operator: Sita (Lancashire) Ltd Waste Management licence No: 54102 Annual Tonnage: 74999 | Issue Date: 14/05/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued |

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

3.7 Waste exemptions

Records within 500m

10

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 27 >](#)

| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|---------------------------------------------------------|--------------------|------------------------------|----------------------------------------------|----------------------------------------------------------------------------|
| 3 | 234m S | - | WEX089790 | Using waste exemption | Not on a farm | Use of sludge for the purposes of re-seeding a waste water treatment plant |
| B | 275m W | Siddows Farm Henthorn Road Clitheroe Lancashire Bb7 3by | EPR/CH0174U B/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Burning waste in the open |

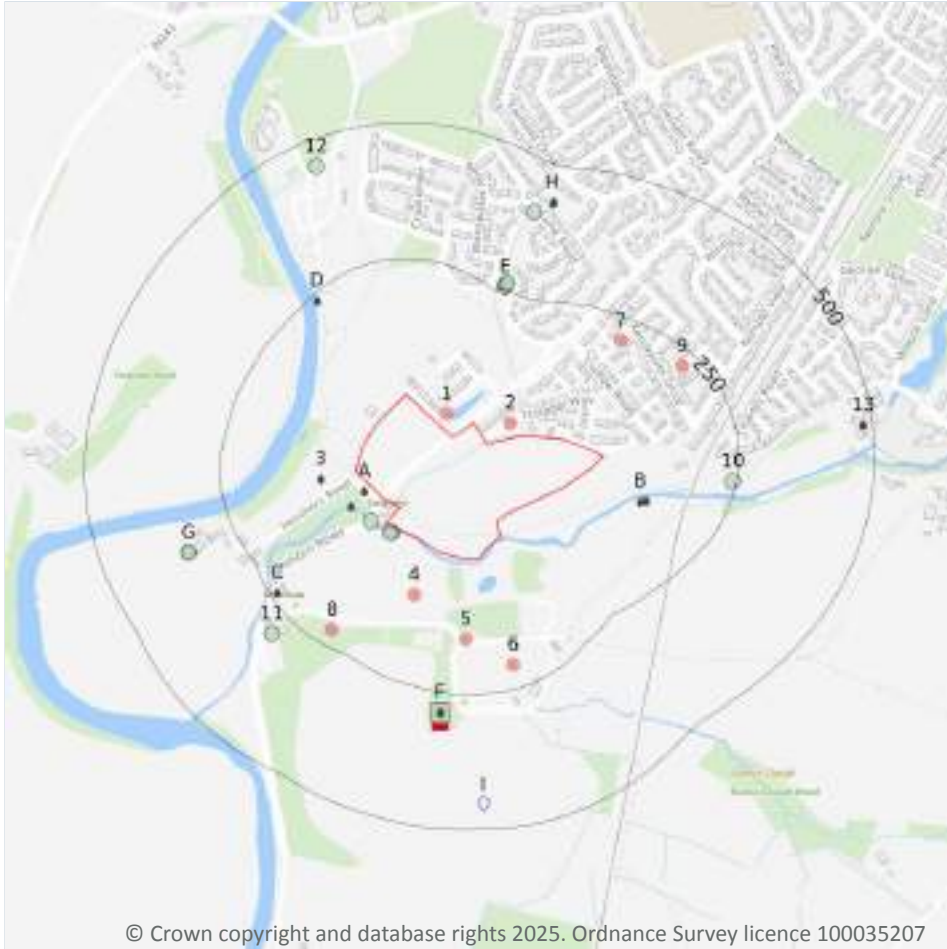


| ID | Location | Site | Reference | Category | Sub-Category | Description |
|----|----------|-------------------------------------------------------------------------------|--------------------|------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------|
| B | 275m W | Siddows Farm Henthorn Road Clitheroe Lancashire Bb7 3by | EPR/CH0174U B/A001 | Using waste exemption | Both agricultural and non-agricultural waste | Spreading waste on agricultural land to confer benefit |
| B | 275m W | Siddows Farm Henthorn Road Clitheroe Lancashire Bb7 3by | EPR/CH0174U B/A001 | Disposing of waste exemption | Both agricultural and non-agricultural waste | Deposit of waste from dredging of inland waters |
| B | 275m W | Siddows Farm Henthorn Road Clitheroe Lancashire Bb7 3by | EPR/CH0174U B/A001 | Treating waste exemption | Both agricultural and non-agricultural waste | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| B | 275m W | Siddows Farm Henthorn Road Clitheroe Lancashire Bb7 3by | EPR/CH0174U B/A001 | Using waste exemption | Both agricultural and non-agricultural waste | Use of waste in construction |
| B | 275m W | Siddows Farm Henthorn Road Clitheroe Lancashire Bb7 3by | EPR/CH0174U B/A001 | Using waste exemption | Both agricultural and non-agricultural waste | Use of waste for a specified purpose |
| C | 339m SW | - | WEX413812 | Storing waste exemption | Not on a farm | Storage of waste in a secure place |
| C | 339m SW | Clitheroe Household Waste Recycling Centre, Henthorn Road, Clitheroe, Bb7 3by | WEX125459 | Storing waste exemption | Not on a farm | Storage of waste in a secure place |
| 5 | 395m NE | Henthorn Hwrc, Henthorn Road, Clitheroe, Bb7 2qf | WEX114775 | Storing waste exemption | Not on a farm | Storage of waste in a secure place |

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
- ⬮ Part A(1) industrial activities
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)

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4.1 Recent industrial land uses

Records within 250m **8**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 35](#) >

| ID | Location | Company | Address | Activity | Category |
|----|----------|-------------------------|-----------------|------------------------|-------------------------------|
| 1 | 24m N | Electricity Sub Station | Lancashire, BB7 | Electrical Features | Infrastructure and Facilities |
| 2 | 28m NE | Pumping Station | Lancashire, BB7 | Water Pumping Stations | Industrial Features |
| 4 | 90m S | Solar Farm | Lancashire, BB7 | Energy Production | Industrial Features |

| ID | Location | Company | Address | Activity | Category |
|----|----------|-------------------------|-----------------|----------------------------------------|-------------------------------|
| 5 | 148m S | Electricity Sub Station | Lancashire, BB7 | Electrical Features | Infrastructure and Facilities |
| 6 | 206m S | Sewage Works | Lancashire, BB7 | Waste Storage, Processing and Disposal | Infrastructure and Facilities |
| 7 | 207m NE | Electricity Sub Station | Lancashire, BB7 | Electrical Features | Infrastructure and Facilities |
| 8 | 219m SW | Pumping Station | Lancashire, BB7 | Water Pumping Stations | Industrial Features |
| 9 | 221m NE | Electricity Sub Station | Lancashire, BB7 | Electrical Features | Infrastructure and Facilities |

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

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

7

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 35 >](#)

| ID | Location | Details | |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| I | 454m S | Operator: SUEZ RECYCLING AND RECOVERY LANCASHIRE LTD Installation Name: Henthorn Road Landfill EPR/GP3537PU Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: GP3537PU Original Permit Number: GP3537PU | EPR Reference: EPR/GP3537PU Issue Date: 20/04/2017 Effective Date: 20/04/2017 Last date noted as effective: 29/10/2024 Status: Effective |
| I | 454m S | Operator: SITA (LANCASHIRE) LTD Installation Name: HENTHORN ROAD LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: GP3537PU Original Permit Number: GP3537PU | EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/10/2005 Status: DETERMINATION |
| I | 454m S | Operator: SITA (LANCASHIRE) LTD Installation Name: HENTHORN ROAD LANDFILL SITE Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: GP3537PU Original Permit Number: GP3537PU | EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/10/2005 Status: DETERMINATION |
| I | 454m S | Operator: Suez Recycling & Recovery Lancashire Limited Installation Name: Henthorn Road Landfill EPR/GP3537PU Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3335DY Original Permit Number: GP3537PU | EPR Reference: - Issue Date: 30/06/2016 Effective Date: 30/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded |
| I | 454m S | Operator: SITA (Lancashire) Limited Installation Name: Henthorn Road Landfill EPR/GP3537PU Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: GP3537PU Original Permit Number: GP3537PU | EPR Reference: - Issue Date: 31/03/2006 Effective Date: 31/03/2006 Last date noted as effective: 21/03/2023 Status: Superseded |



| ID | Location | Details | |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| I | 454m S | Operator: Suez Recycling & Recovery Lancashire Limited Installation Name: Henthorn Road Landfill EPR/GP3537PU Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: DP3935YE Original Permit Number: GP3537PU | EPR Reference: - Issue Date: 20/04/2017 Effective Date: 20/04/2017 Last date noted as effective: 21/03/2023 Status: Effective |
| I | 454m S | Operator: SITA (Lancashire) Limited Installation Name: Henthorn Road Landfill EPR/GP3537PU Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: MP3131EM Original Permit Number: GP3537PU | EPR Reference: - Issue Date: 14/01/2014 Effective Date: 14/01/2014 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

0

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.

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

31

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 35 >](#)



| ID | Location | Address | Details | |
|----|----------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 15m W | MONTAGUEPLACE,HENTHORN ROAD,CLITHEREOE,LANCASHIRE,BB72QF | Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRZB3093AW Permit Version: 1 Receiving Water: PENDLETON BROOK | Status: NEW ISSUED UNDER EPR 2010 Issue date: 13/03/2023 Effective Date: 13/03/2023 Revocation Date: - |
| A | 53m W | NORTHWESTOFHENTHORNROAD B RIDGE,HENTHORN,CLITHEREOE,NEA RBB73BY | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 017160099 Permit Version: 2 Receiving Water: PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 06/12/2018 Effective Date: 06/12/2018 Revocation Date: - |
| A | 53m W | NORTHWESTOFHENTHORNROAD B RIDGE,HENTHORN,CLITHEREOE,NEA RBB73BY | Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 017160099 Permit Version: 2 Receiving Water: PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 06/12/2018 Effective Date: 06/12/2018 Revocation Date: - |
| 3 | 67m W | NORTHWESTOFHENTHORNROAD B RIDGE,HENTHORN,CLITHEREOE,NEA RBB73BY | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 017160099 Permit Version: 1 Receiving Water: PENDLETON BROOK | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 07/09/1983 Revocation Date: 05/12/2018 |
| B | 107m E | CLITHEREOSTREETCSO,440MNEOF HENTHORNROAD,CLITHEREOWWT W,LOWERSTANDENCLITHEREOE,LA NCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 017160177 Permit Version: 2 Receiving Water: PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 13/11/2019 Effective Date: 13/11/2019 Revocation Date: - |
| B | 114m E | CLITHEREOSTREETCSO,440MNEOF HENTHORNROAD,CLITHEREOWWT W,LOWERSTANDENCLITHEREOE,LA NCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160177 Permit Version: 1 Receiving Water: PENDLETON BROOK | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 28/06/1985 Revocation Date: 12/11/2019 |



| ID | Location | Address | Details | |
|----|----------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 2 Receiving Water: BARROW CLOUGH | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 31/01/1985 Revocation Date: 19/12/2000 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 4 Receiving Water: BARROW CLOUGH | Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 24/03/2005 Effective Date: 24/03/2005 Revocation Date: 31/12/2009 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 3 Receiving Water: BARROW CLOUGH | Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 20/12/2000 Effective Date: 20/12/2000 Revocation Date: 23/03/2005 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 1 Receiving Water: BARROW CLOUGH | Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 19/10/1979 Revocation Date: 30/01/1985 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 6 Receiving Water: BARROW CLOUGH | Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 01/04/2010 Effective Date: 01/04/2010 Revocation Date: 29/11/2010 |



| ID | Location | Address | Details | |
|----|----------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 5 Receiving Water: BARROW CLOUGH | Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 14/10/2008 Effective Date: 01/01/2010 Revocation Date: 31/03/2010 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 7 Receiving Water: BARROW CLOUGH | Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 30/11/2010 Effective Date: 30/11/2010 Revocation Date: 30/08/2017 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 8 Receiving Water: BARROW CLOUGH/PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 31/08/2017 Effective Date: 31/08/2017 Revocation Date: 31/07/2022 |
| C | 238m SW | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 9 Receiving Water: BARROW CLOUGH/PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 01/08/2022 Effective Date: 01/08/2022 Revocation Date: - |
| D | 239m NW | RIBBLEMEADOWS,RIBBLEMEADOWSDEVELOPMENT,HENTHORNROAD,CLITHEROE,LANCASHIRE,BB72QF | Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3997WR Permit Version: 1 Receiving Water: THE RIVER RIBBLE | Status: SURRENDERED UNDER EPR 2010 Issue date: 25/05/2016 Effective Date: 25/05/2016 Revocation Date: 21/06/2017 |
| D | 239m NW | RIBBLEMEADOWS,RIBBLEMEADOWSDEVELOPMENT,HENTHORNROAD,CLITHEROE,LANCASHIRE,BB72QF | Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3997WR Permit Version: 1 Receiving Water: THE RIVER RIBBLE | Status: SURRENDERED UNDER EPR 2010 Issue date: 25/05/2016 Effective Date: 25/05/2016 Revocation Date: 21/06/2017 |



| ID | Location | Address | Details | |
|----|----------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 6 Receiving Water: BARROW CLOUGH | Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 01/04/2010 Effective Date: 01/04/2010 Revocation Date: 29/11/2010 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 1 Receiving Water: BARROW CLOUGH | Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 19/10/1979 Revocation Date: 30/01/1985 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 8 Receiving Water: BARROW CLOUGH/PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 31/08/2017 Effective Date: 31/08/2017 Revocation Date: 31/07/2022 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 3 Receiving Water: BARROW CLOUGH | Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 20/12/2000 Effective Date: 20/12/2000 Revocation Date: 23/03/2005 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 5 Receiving Water: BARROW CLOUGH | Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 14/10/2008 Effective Date: 01/01/2010 Revocation Date: 31/03/2010 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 4 Receiving Water: BARROW CLOUGH | Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 24/03/2005 Effective Date: 24/03/2005 Revocation Date: 31/12/2009 |



| ID | Location | Address | Details | |
|----|----------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 7 Receiving Water: BARROW CLOUGH | Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 30/11/2010 Effective Date: 30/11/2010 Revocation Date: 30/08/2017 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 2 Receiving Water: BARROW CLOUGH | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 31/01/1985 Revocation Date: 19/12/2000 |
| F | 286m S | CLITHEROEWWTW,HENTHORNERO AD,CLITHEROE,LANCASHIRE,BB73BY | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 017160033 Permit Version: 9 Receiving Water: BARROW CLOUGH/PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 01/08/2022 Effective Date: 01/08/2022 Revocation Date: - |
| H | 431m N | ADJPOLICESTATIONKINGSTREETCS O,2729KINGSTREET,TOWNCENTRE, CLITHEROE,LANCASHIRE,BB72EU | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 4 Receiving Water: TRIB OF PENDLETON BROOK BY SWS | Status: VARIED UNDER EPR 2010 Issue date: 11/01/2021 Effective Date: 11/01/2021 Revocation Date: - |
| H | 433m N | ADJPOLICESTATIONKINGSTREETCS O,2729KINGSTREET,TOWNCENTRE, CLITHEROE,LANCASHIRE,BB72EU | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 2 Receiving Water: S.W. SYS(DUAL MH) | Status: VARIED UNDER EPR 2010 Issue date: 14/04/2009 Effective Date: 14/04/2009 Revocation Date: 04/02/2016 |
| H | 433m N | ADJPOLICESTATIONKINGSTREETCS O,2729KINGSTREET,TOWNCENTRE, CLITHEROE,LANCASHIRE,BB72EU | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 3 Receiving Water: UNNAMED TRIB PENDLETON BROOK | Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 10/01/2021 |



| ID | Location | Address | Details | |
|----|----------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| H | 433m N | ADJPOLICESTATIONKINGSTREETCS O,2729KINGSTREET,TOWNCENTRE, CLITHEROE,LANCASHIRE,BB72EU | Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 1 Receiving Water: S.W. SYS(DUAL MH) | Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 13/04/2009 |
| 13 | 483m E | PRIMROSELODGE,PRIMROSEWORK S,CLITHEROE,LANCASHIRE | Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 017190403 Permit Version: 1 Receiving Water: TRIB PENDLETON BROOK | Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: - Effective Date: 20/12/1991 Revocation Date: 01/10/1996 |

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 | 2 |
|----------------------------|----------|

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

Features are displayed on the Current industrial land use map on [page 35 >](#)

| ID | Location | Name | Status | Receiving Water | Authorised Substances |
|----|----------|---------------|--------|-----------------|-----------------------|
| F | 306m S | Clitheroe Stw | Active | - | - |

| ID | Location | Name | Status | Receiving Water | Authorised Substances |
|----|----------|---------------|------------|-----------------|--------------------------|
| F | 306m S | Clitheroe Stw | Not Active | River Ribble | Mercury (other), Cadmium |

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

4.17 List 2 Dangerous Substances

Records within 500m

1

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

Features are displayed on the Current industrial land use map on [page 35 >](#)

| ID | Location | Name | Status | Receiving Water | Authorised Substances |
|----|----------|---------------|--------|-----------------|-----------------------|
| F | 286m S | Clitheroe Stw | Active | River Ribble | Copper, Iron |

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

12

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

Features are displayed on the Current industrial land use map on [page 35 >](#)

| ID | Location | Details | |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| A | 9m SW | Incident Date: 16/07/2002 Incident Identification: 92115 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay | Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| A | 11m SW | Incident Date: 16/05/2003 Incident Identification: 158828 Pollutant: Contaminated Water Pollutant Description: Suspended Solids | Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| A | 27m SW | Incident Date: 25/07/2003 Incident Identification: 176688 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay | Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| 10 | 244m E | Incident Date: 05/08/2003 Incident Identification: 179200 Pollutant: Sewage Materials Pollutant Description: Crude Sewage | Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact) |



| ID | Location | Details | |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| E | 258m N | Incident Date: 28/04/2010 Incident Identification: 775047 Pollutant: Sewage Materials Pollutant Description: Crude Sewage | Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| E | 263m N | Incident Date: 18/11/2013 Incident Identification: 1176935 Pollutant: Contaminated Water Pollutant Description: Suspended Solids | Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| E | 266m N | Incident Date: 24/07/2006 Incident Identification: 420315 Pollutant: Sewage Materials Pollutant Description: Crude Sewage | Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| 11 | 291m SW | Incident Date: 08/07/2002 Incident Identification: 89873 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke | Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor) |
| G | 343m W | Incident Date: 21/10/2008 Incident Identification: 630059 Pollutant: Specific Waste Materials Pollutant Description: Household Waste | Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact) |
| G | 343m W | Incident Date: 21/10/2008 Incident Identification: 630059 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes | Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact) |
| H | 404m N | Incident Date: 23/01/2014 Incident Identification: 1197274 Pollutant: Contaminated Water Pollutant Description: Suspended Solids | Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |
| 12 | 452m NW | Incident Date: 16/04/2003 Incident Identification: 151721 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified | Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact) |

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

4.19 Pollution inventory substances

Records within 500m

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

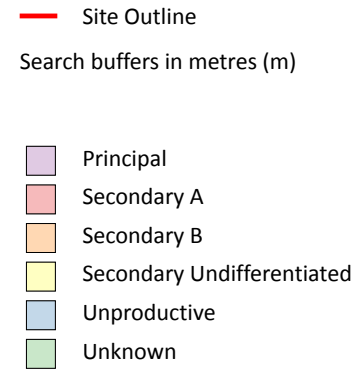
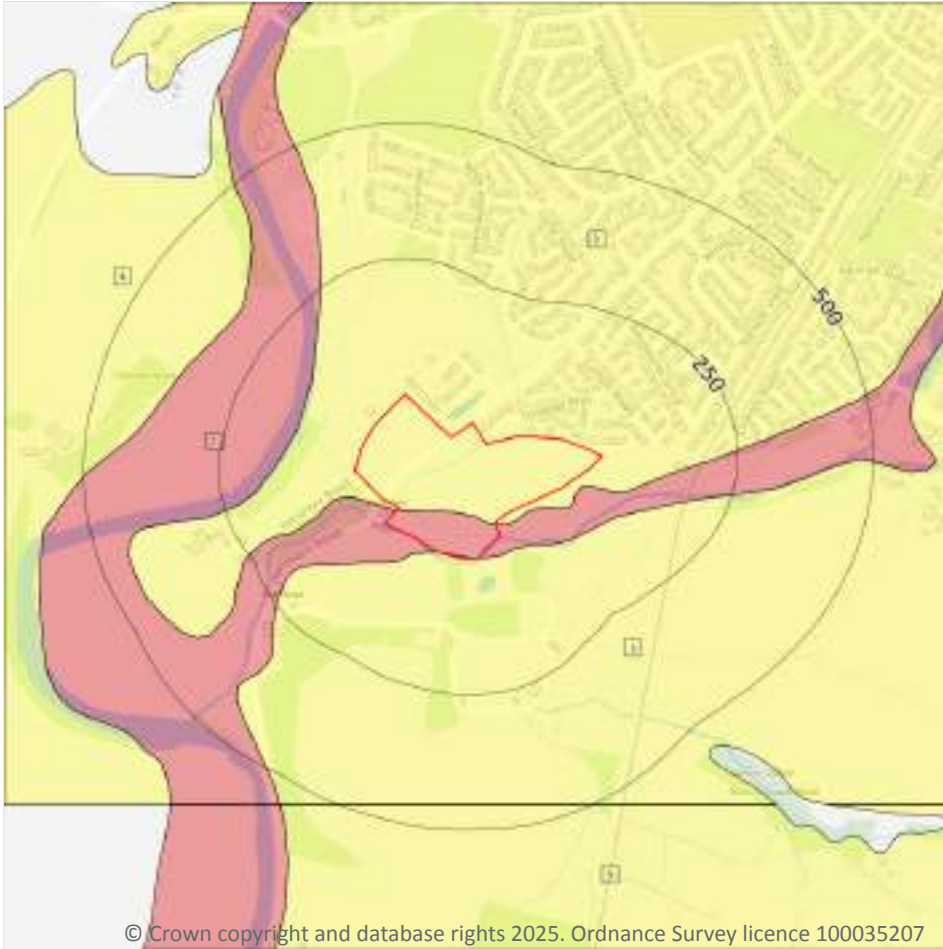
0

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



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5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 49 >](#)

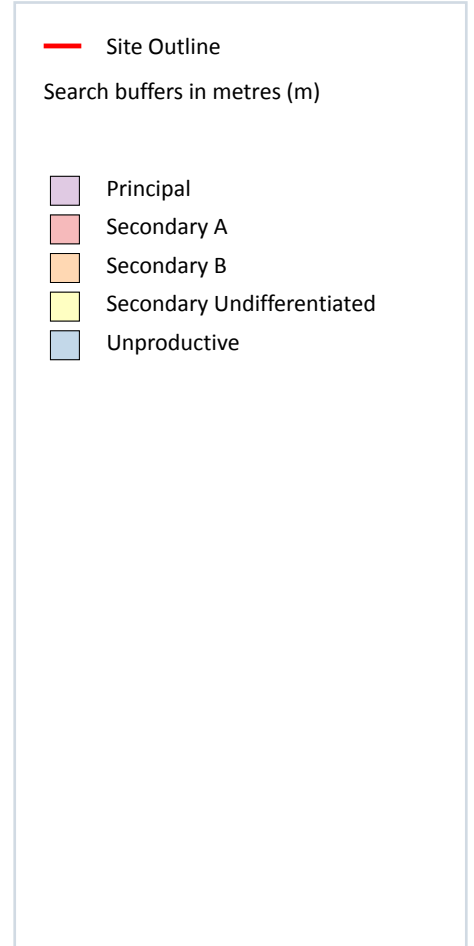
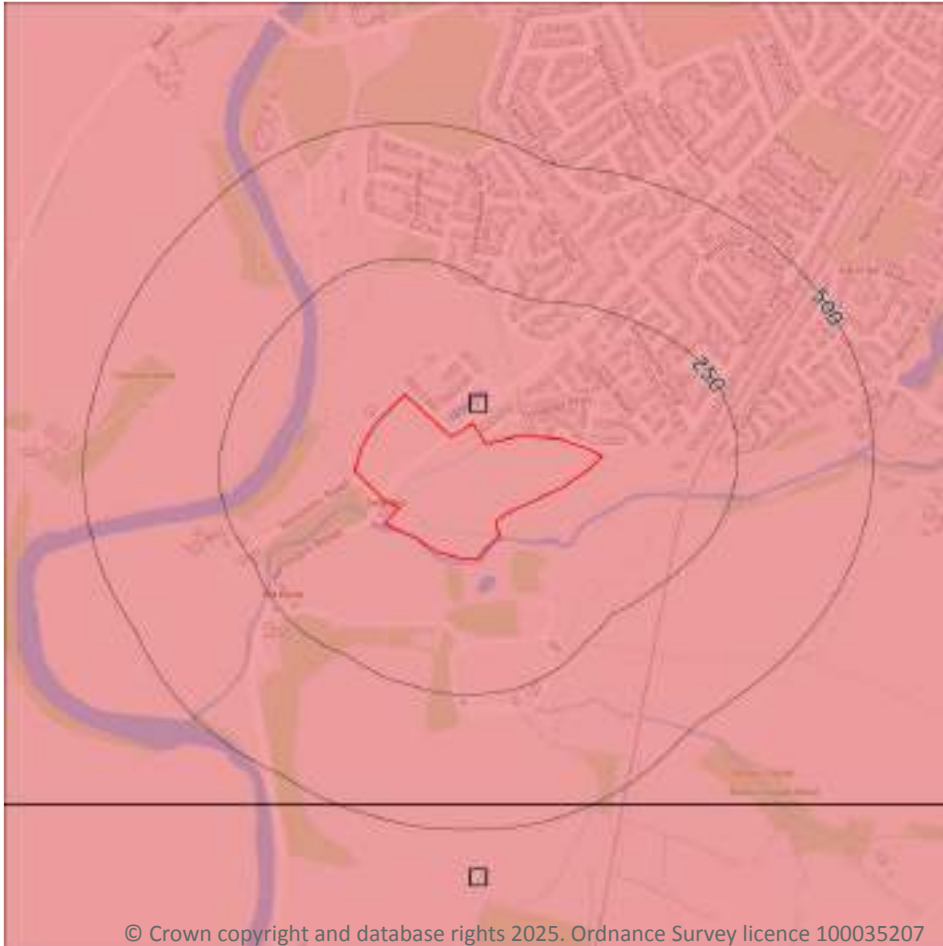
| ID | Location | Designation | Description |
|----|----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | On site | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |
| 2 | On site | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |

| ID | Location | Designation | Description |
|----|----------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | On site | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 4 | 325m NW | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 5 | 453m S | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |

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



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

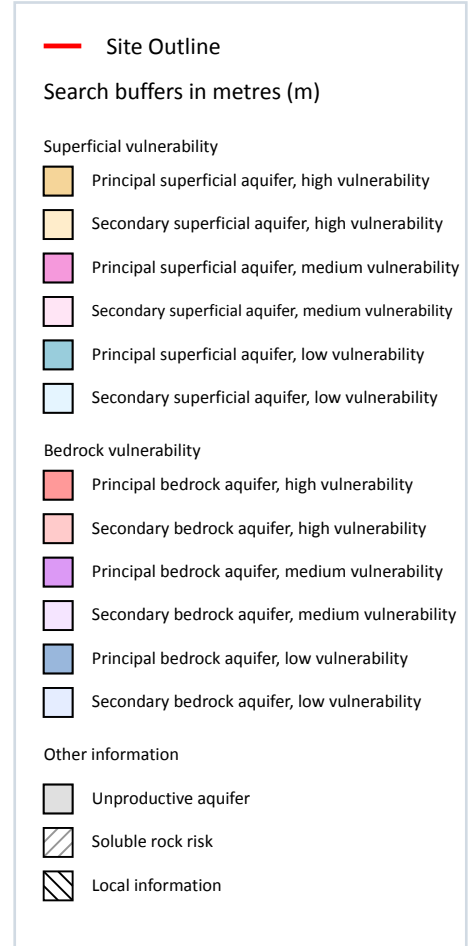
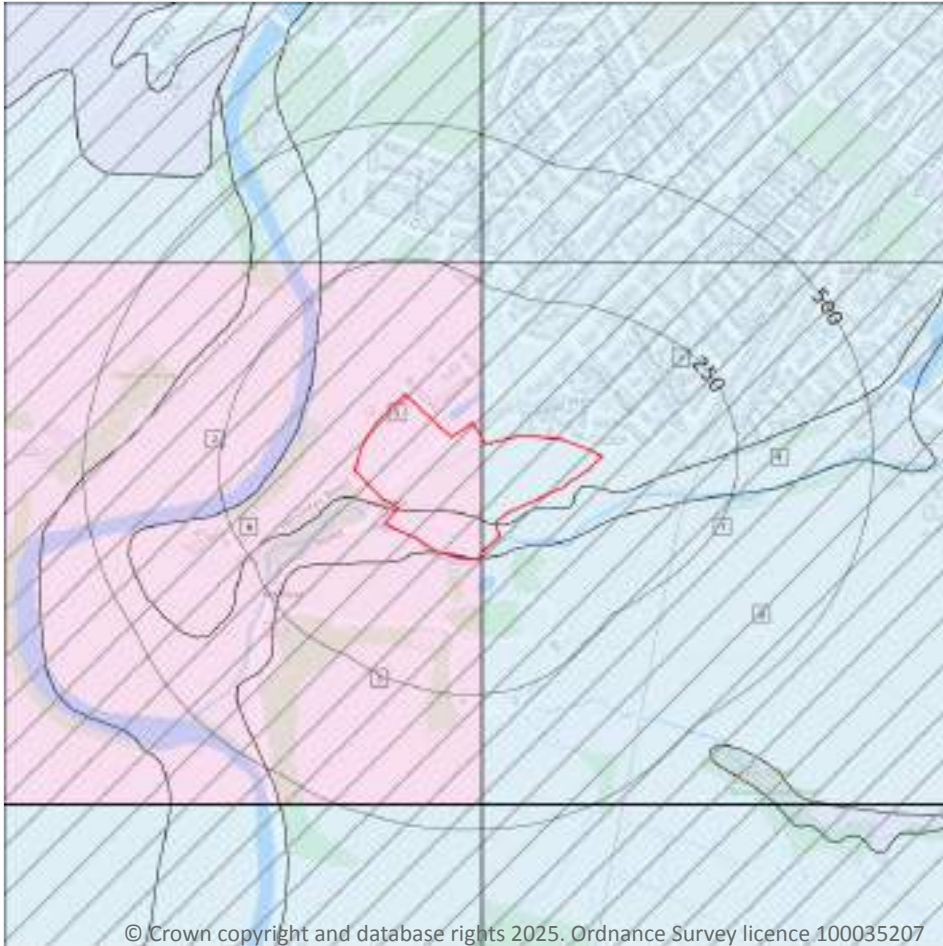
Features are displayed on the Bedrock aquifer map on [page 51](#) >

| ID | Location | Designation | Description |
|----|----------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | On site | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |
| 2 | 453m S | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

6

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 53](#) >

| ID | Location | Summary | Soil / surface | Superficial geology | Bedrock geology |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 1 | On site | Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low Infiltration value: >70% Dilution value: >550mm/year | Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Medium | Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures |
| 2 | On site | Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low Infiltration value: >70% Dilution value: >550mm/year | Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Medium | Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures |
| 3 | On site | Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year | Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Medium | Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures |
| 4 | On site | Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year | Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Medium | Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures |
| 5 | On site | Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low Infiltration value: >70% Dilution value: >550mm/year | Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Medium | Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures |
| 8 | 5m S | Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer | Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year | Vulnerability: Low Aquifer type: Secondary Thickness: <3m Patchiness value: >90% Recharge potential: Medium | Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures |

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



5.4 Groundwater vulnerability- soluble rock risk

Records on site**2**

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

| ID | Maximum soluble risk category | Percentage of grid square covered by maximum risk |
|----|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 6 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 82.0% |
| 7 | Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow. | 99.0% |

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

5.5 Groundwater vulnerability- local information

Records on site**0**

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 ↗.

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

0

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.

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

5.7 Surface water abstractions

Records within 2000m
14

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 56 >](#)

| ID | Location | Details | |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 601m E | Status: Historical Licence No: 2671309033 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK FEEDING PRIMROSE LODGE AT CLITHEROE 314 Data Type: Point Name: STALWART DYEING CO LTD Easting: 373800 Northing: 440800 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1966 Version End Date: - |
| A | 601m E | Status: Historical Licence No: 2671309033 Details: Transfer between sources Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK FEEDING PRIMROSE LODGE AT CLITHEROE 314 Data Type: Point Name: STALWART DYEING CO LTD Easting: 373800 Northing: 440800 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1966 Version End Date: - |
| A | 601m E | Status: Historical Licence No: 2671309033 Details: Transfer between sources Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK FEEDING PRIMROSE LODGE AT CLITHEROE \$314 Data Type: Point Name: STALWART DYEING CO LTD Easting: 373800 Northing: 440800 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1966 Version End Date: - |



| ID | Location | Details | |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 601m E | Status: Historical Licence No: 2671309033 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK FEEDING PRIMROSE LODGE AT CLITHEROE S314 Data Type: Point Name: STALWART DYEING CO LTD Easting: 373800 Northing: 440800 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1966 Version End Date: - |
| - | 681m E | Status: Historical Licence No: 2671309032 Details: Transfer between sources Direct Source: Surface, Non-Tidal - North West Region Point: PENDLETON BRK@CLITHEROE FEEDING MILL POND, PRIMROSE WKS313 Data Type: Point Name: STALWART DYEING CO LTD Easting: 373900 Northing: 440600 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1993 Version End Date: - |
| - | 681m E | Status: Historical Licence No: 2671309032 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: PENDLETON BRK@CLITHEROE FEEDING MILL POND, PRIMROSE WKS313 Data Type: Point Name: STALWART DYEING CO LTD Easting: 373900 Northing: 440600 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1993 Version End Date: - |
| - | 782m E | Status: Historical Licence No: 2671309032 Details: Transfer between sources Direct Source: Surface, Non-Tidal - North West Region Point: PENDLETON BRK@CLITHEROE FEEDING THE MILL POND, PRIMROSE WKS Data Type: Point Name: STALWART DYEING CO LTD Easting: 374000 Northing: 440700 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1993 Version End Date: - |



| ID | Location | Details | |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - | 782m E | Status: Historical Licence No: 2671309032 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: PENDLETON BRK@CLITHEROE FEEDING THE MILL POND, PRIMROSE WKS Data Type: Point Name: STALWART DYEING CO LTD Easting: 374000 Northing: 440700 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1993 Version End Date: - |
| - | 1042m NE | Status: Historical Licence No: 2671309033 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK FEEDING PRIMROSE LODGE AT CLITHEROE Data Type: Point Name: STALWART DYEING CO LTD Easting: 374100 Northing: 441200 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1966 Version End Date: - |
| - | 1042m NE | Status: Historical Licence No: 2671309033 Details: Transfer between sources Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK FEEDING PRIMROSE LODGE AT CLITHEROE Data Type: Point Name: STALWART DYEING CO LTD Easting: 374100 Northing: 441200 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1966 Version End Date: - |
| - | 1180m NE | Status: Historical Licence No: 2671309025 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NEARLEY BRK AT CLITHEROE Data Type: Point Name: JAMES THORNER LTD Easting: 374200 Northing: 441300 | Annual Volume (m ³): 227300 Max Daily Volume (m ³): 981.936 Original Application No: - Original Start Date: 11/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/11/1966 Version End Date: - |

| ID | Location | Details | |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - | 1180m NE | Status: Historical Licence No: 2671309025 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MEARLEY BRK AT CLITHEROE Data Type: Point Name: JAMES THORNER LTD Easting: 374200 Northing: 441300 | Annual Volume (m ³): 227300 Max Daily Volume (m ³): 981.936 Original Application No: - Original Start Date: 11/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/11/1966 Version End Date: - |
| - | 1763m W | Status: Historical Licence No: 2671309019 Details: General Farming & Domestic Direct Source: "Surface, Non-Tidal - North West Region" Point: "SPRING FED STORAGE TANK, AT WITHGILL KNOLL, HIGHER HODDER" Data Type: Point Name: BARNES Easting: 371100 Northing: 441200 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1994 Version End Date: - |
| - | 1763m W | Status: Historical Licence No: 2671309019 Details: General Farming & Domestic Direct Source: Surface, Non-Tidal - North West Region Point: SPRING FED STORAGE TANK, AT WITHGILL KNOLL, HIGHER HODDER Data Type: Point Name: BARNES Easting: 371100 Northing: 441200 | Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1994 Version End Date: - |

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

5.8 Potable abstractions

Records within 2000m

0

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

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

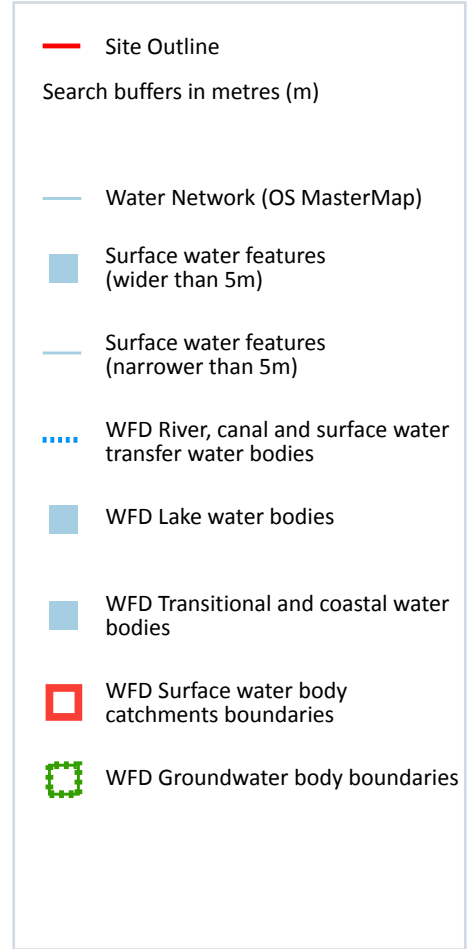
Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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

6 Hydrology



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6.1 Water Network (OS MasterMap)

Records within 250m

22

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

Features are displayed on the Hydrology map on [page 62 >](#)

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

| ID | Location | Type of water feature | Ground level | Permanence | Name |
|----|----------|-----------------------------------------------------|-------------------|-----------------------------------------------------------------|-----------------|
| A | On site | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Pendleton Brook |
| B | On site | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| C | On site | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| C | On site | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| D | On site | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| C | 9m SW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Pendleton Brook |
| C | 10m W | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| D | 22m NE | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| D | 41m NE | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| 9 | 52m W | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Pendleton Brook |
| D | 89m NE | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| E | 101m NE | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| 11 | 132m W | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | River Ribble |



| ID | Location | Type of water feature | Ground level | Permanence | Name |
|----|----------|-----------------------------------------------------|-------------------|-----------------------------------------------------------------|-----------------|
| F | 139m SW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| 12 | 142m E | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Pendleton Brook |
| 13 | 142m E | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| 15 | 152m W | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Pendleton Brook |
| G | 233m NW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| G | 247m NW | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| 18 | 249m S | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| G | 249m NW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

13

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 62 >](#)

This data is sourced from the Ordnance Survey.



6.3 WFD Surface water body catchments

| | |
|------------------------|----------|
| Records on site | 1 |
|------------------------|----------|

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

Features are displayed on the Hydrology map on [page 62 >](#)

| ID | Location | Type | Water body catchment | Water body ID | Operational catchment | Management catchment |
|----|----------|-------|----------------------|----------------|----------------------------------|----------------------|
| 2 | On site | River | Mearley Brook | GB112071065510 | Ribble Middle - Settle to Calder | Ribble |

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

6.4 WFD Surface water bodies

| | |
|---------------------------|----------|
| Records identified | 1 |
|---------------------------|----------|

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

Features are displayed on the Hydrology map on [page 62 >](#)

| ID | Location | Type | Name | Water body ID | Overall rating | Chemical rating | Ecological rating | Year |
|----|----------|-------|---------------|----------------------------------|----------------|-----------------|-------------------|------|
| 3 | On site | River | Mearley Brook | GB112071065510 ↗ | 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.

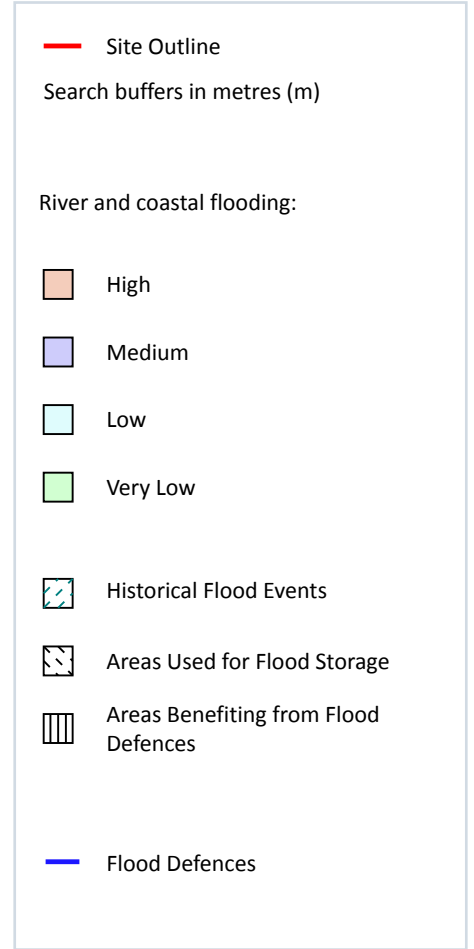
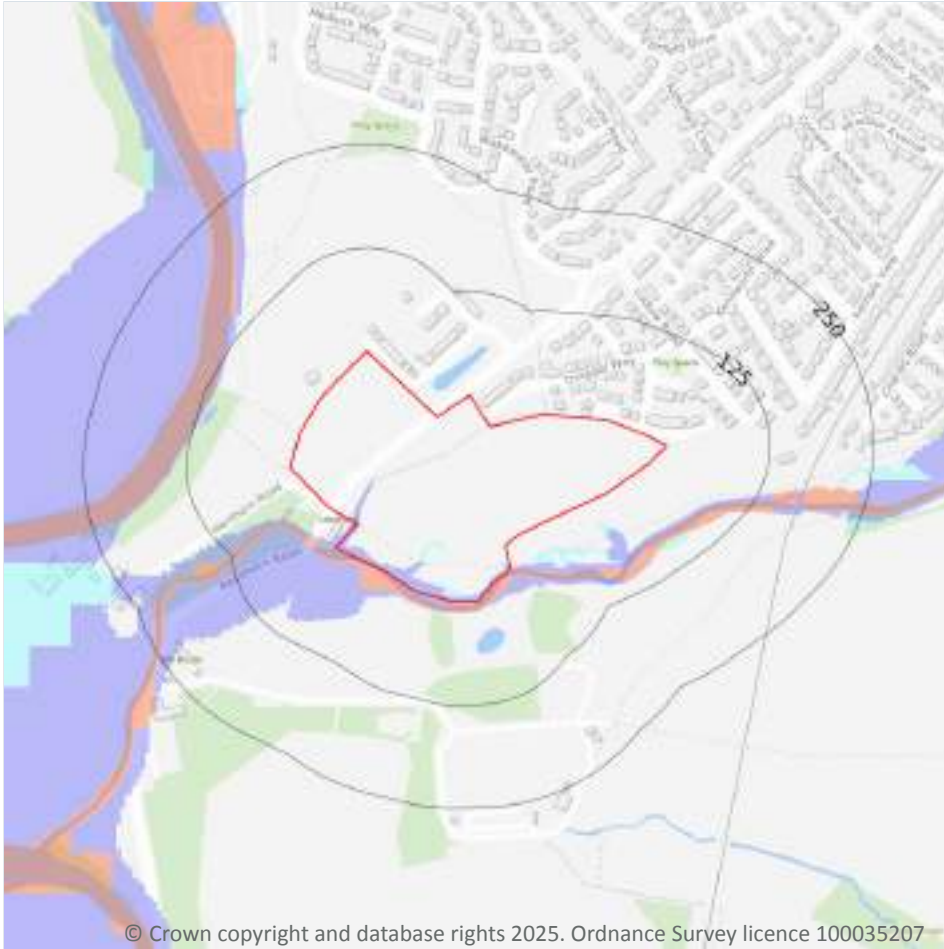
Features are displayed on the Hydrology map on [page 62 >](#)

| ID | Location | Name | Water body ID | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|-------------------------------------|----------------------------------|----------------|-----------------|--------------|------|
| 4 | On site | Ribble Carboniferous Aquifers | GB41202G103000 ↗ | Poor | Poor | Good | 2019 |

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



7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

21

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

Features are displayed on the River and coastal flooding map on [page 67 >](#)

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

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

7.2 Historical Flood Events

| | |
|----------------------------|----------|
| Records within 250m | 0 |
|----------------------------|----------|

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.

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



— Site Outline

Search buffers in metres (m)

□ Flood zone 2

□ Flood zone 3

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7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 67 >](#)

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

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

7.7 Flood Zone 3

Records within 50m

1

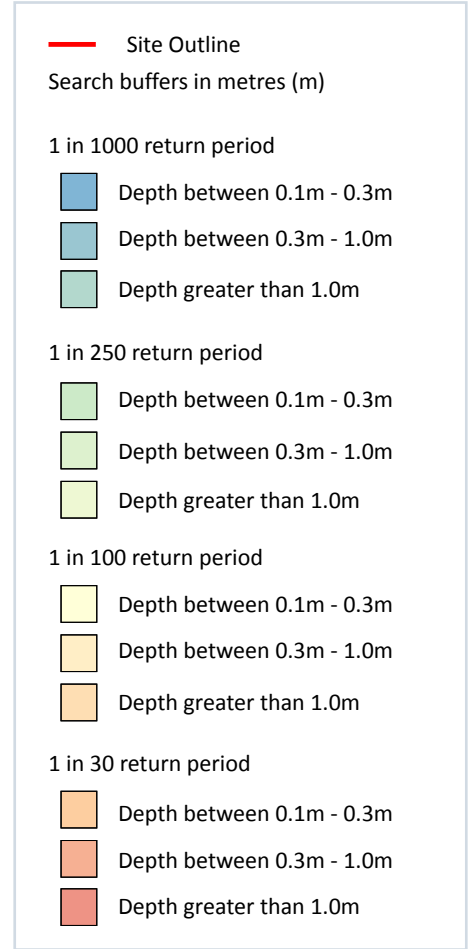
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 67 >](#)

| Location | Type |
|----------|---------------------------|
| On site | Zone 3 - (Fluvial Models) |

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

8 Surface water flooding



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8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on [page 71 >](#)

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 | Greater than 1.0m |
| 1 in 250 year | Greater than 1.0m |
| 1 in 100 year | Greater than 1.0m |
| 1 in 30 year | Greater than 1.0m |

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

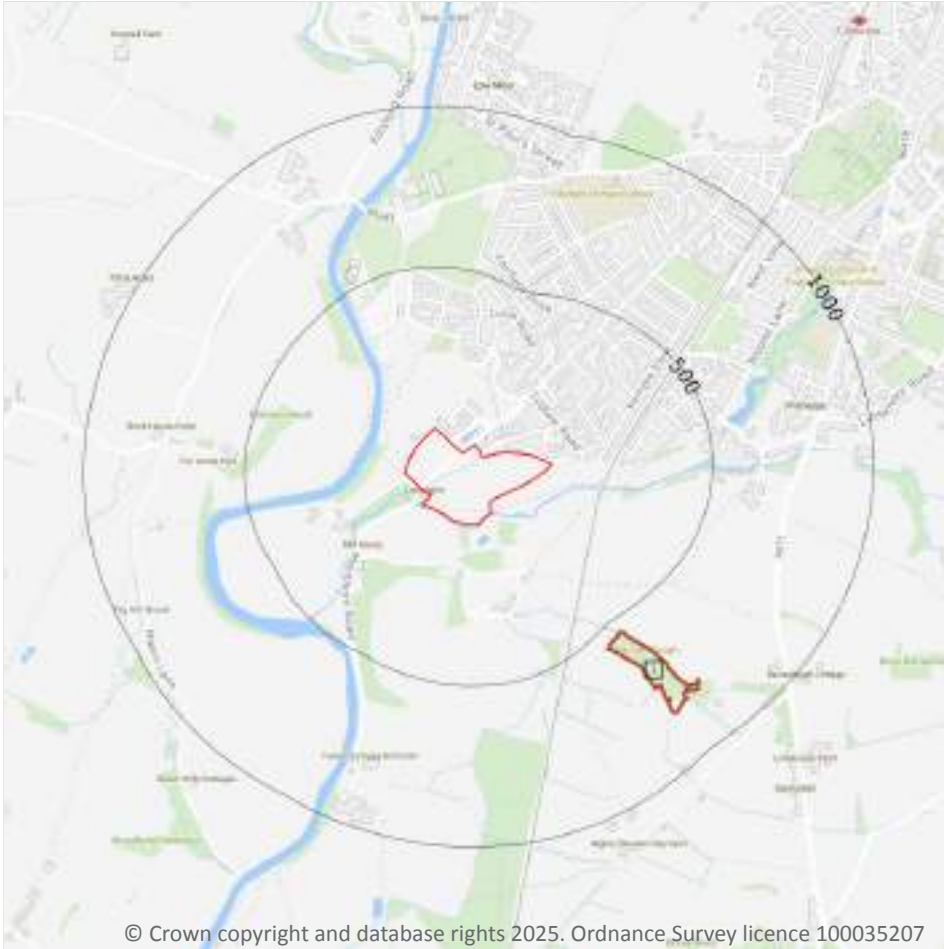
Low

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 73 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

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

1

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

Features are displayed on the Environmental designations map on [page 74 >](#)

| ID | Location | Name | Woodland Type |
|----|----------|---------|---------------------------------|
| 1 | 543m SE | Unknown | Ancient & Semi-Natural Woodland |

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.



10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

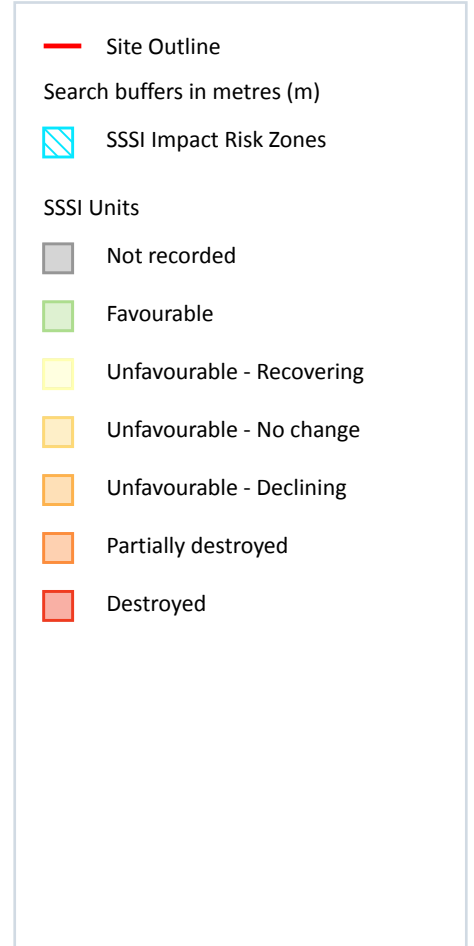
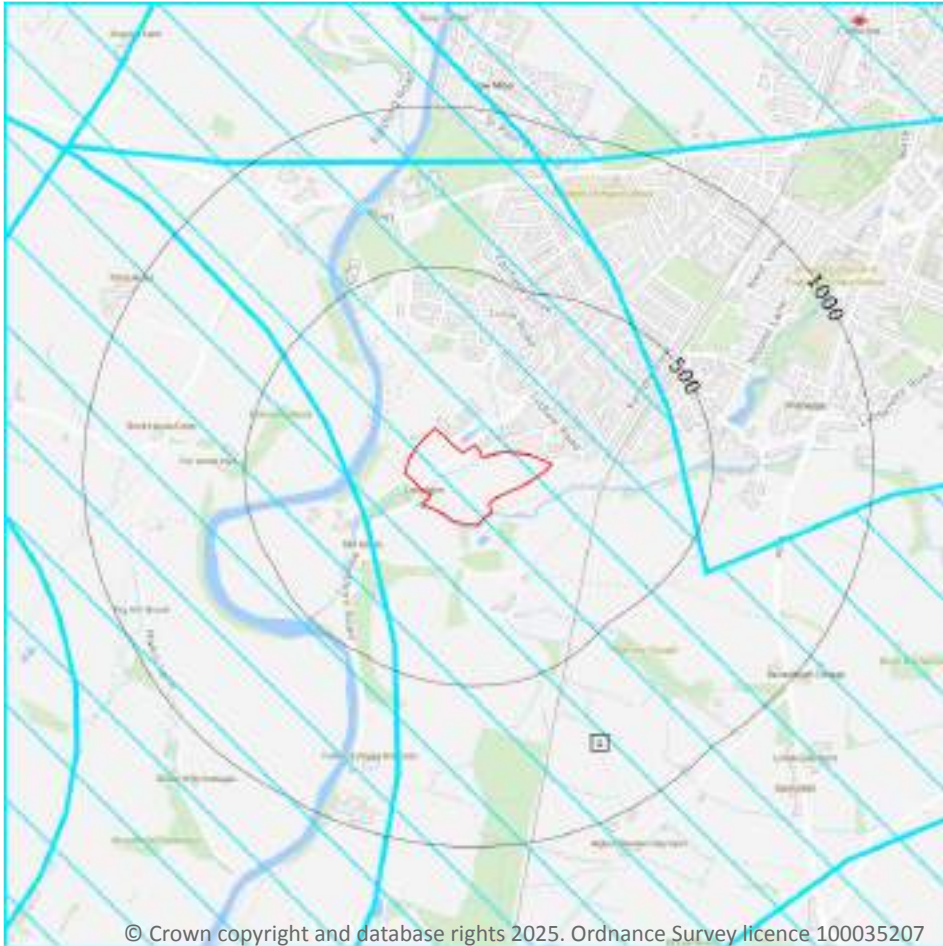
0

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



10.17 SSSI Impact Risk Zones

Records on site

1

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 79](#) >

| ID | Location | Type of developments requiring consultation |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | On site | Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. |

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

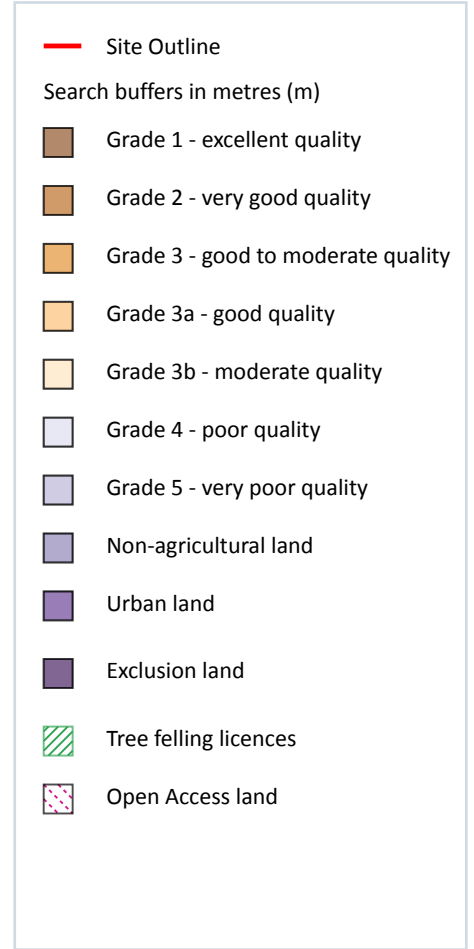
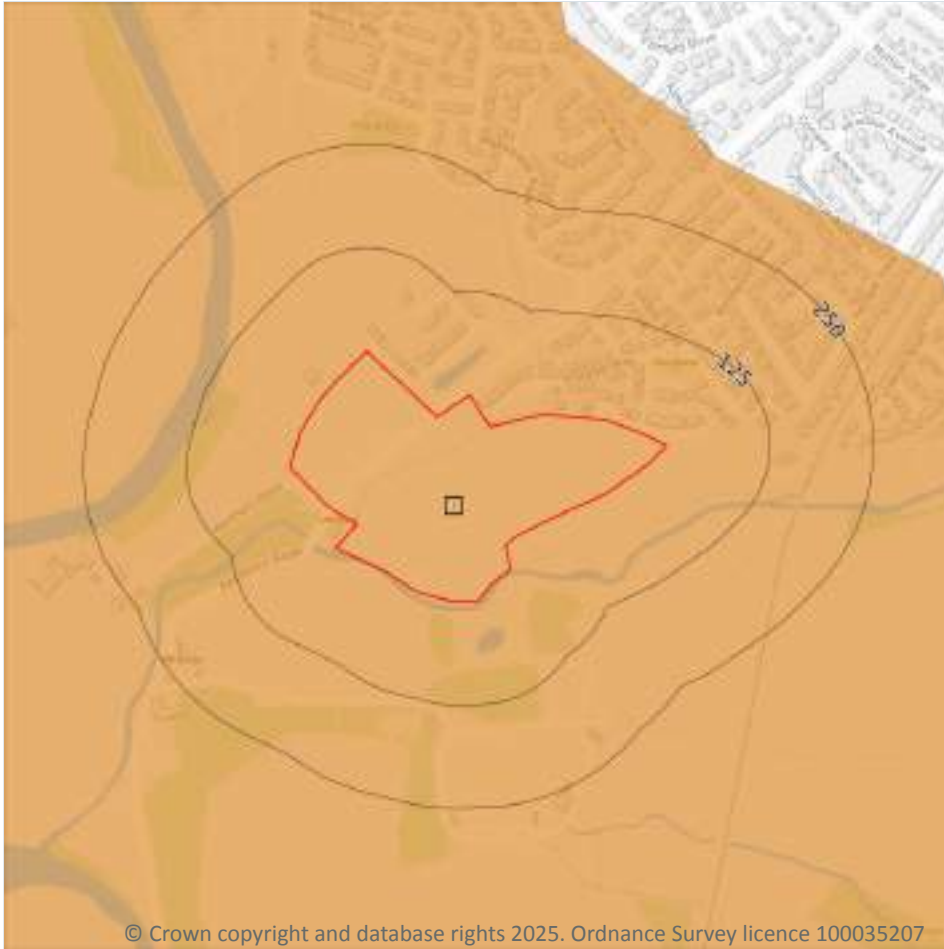
0

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



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12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 83](#) >

| ID | Location | Classification | Description |
|----|----------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | On site | Grade 3 | Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2. |

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

1

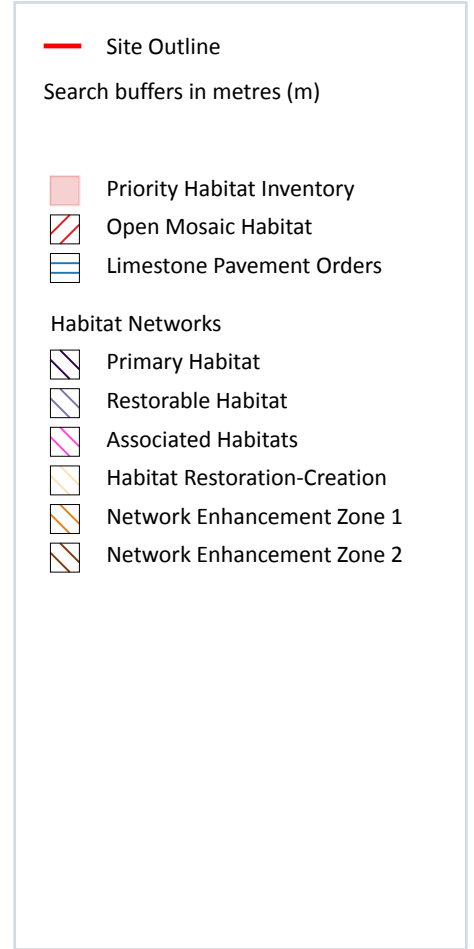
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

| Location | Reference | Scheme | Start Date | End Date |
|----------|-----------|---------------------------------------|------------|------------|
| 148m W | 1421424 | Countryside Stewardship (Higher Tier) | 01/09/2022 | 31/08/2024 |

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

8

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 85 >](#)

| ID | Location | Main Habitat | Other habitats |
|----|----------|--------------------|---------------------------------|
| 1 | 7m W | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 2 | 33m SW | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 3 | 82m W | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 4 | 130m S | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |

| ID | Location | Main Habitat | Other habitats |
|----|----------|--------------------|---------------------------------|
| 5 | 131m S | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 6 | 164m SW | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 7 | 166m SW | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |
| 8 | 234m E | Deciduous woodland | Main habitat: DWOOD (INV > 50%) |

This data is sourced from Natural England.

13.2 Habitat Networks

| | |
|----------------------------|----------|
| Records within 250m | 0 |
|----------------------------|----------|

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

| | |
|----------------------------|----------|
| Records within 250m | 0 |
|----------------------------|----------|

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.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

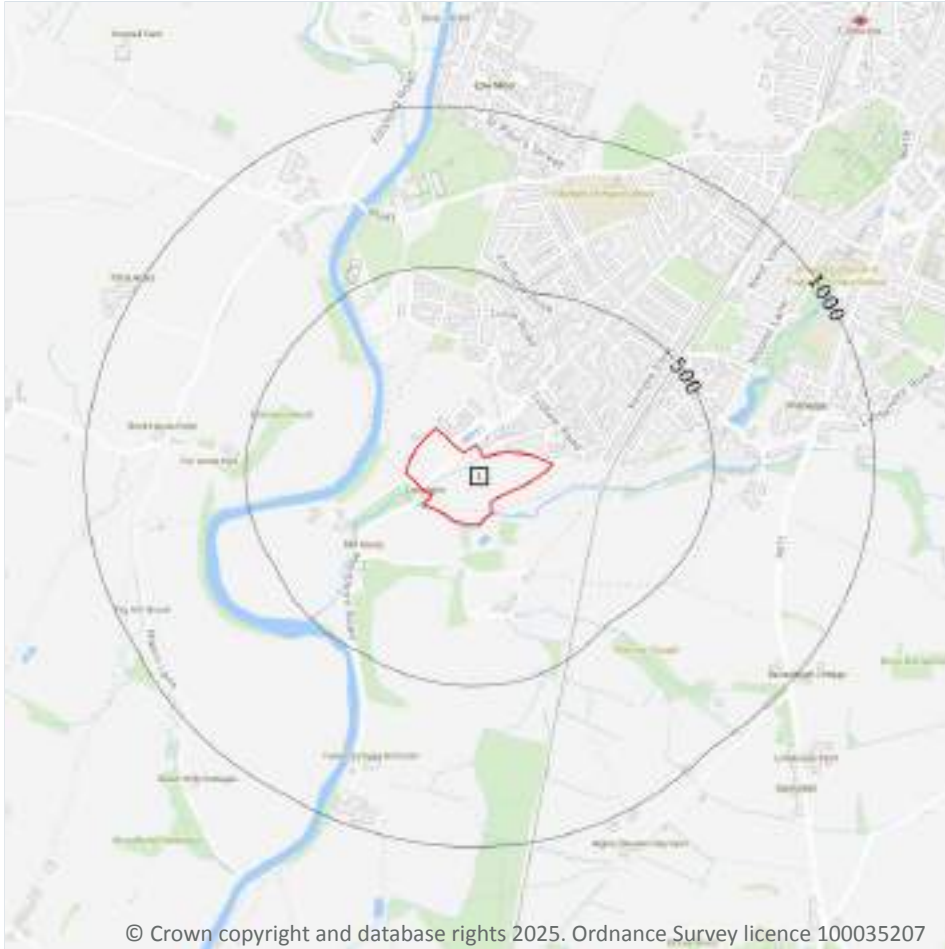
| | |
|----------------------------|----------|
| Records within 250m | 0 |
|----------------------------|----------|

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

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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 87](#) >

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No. |
|----|----------|-------------|-------------|-------------|---------------|-----------|
| 1 | On site | No coverage | No coverage | No coverage | No coverage | NoCov |

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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.

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

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

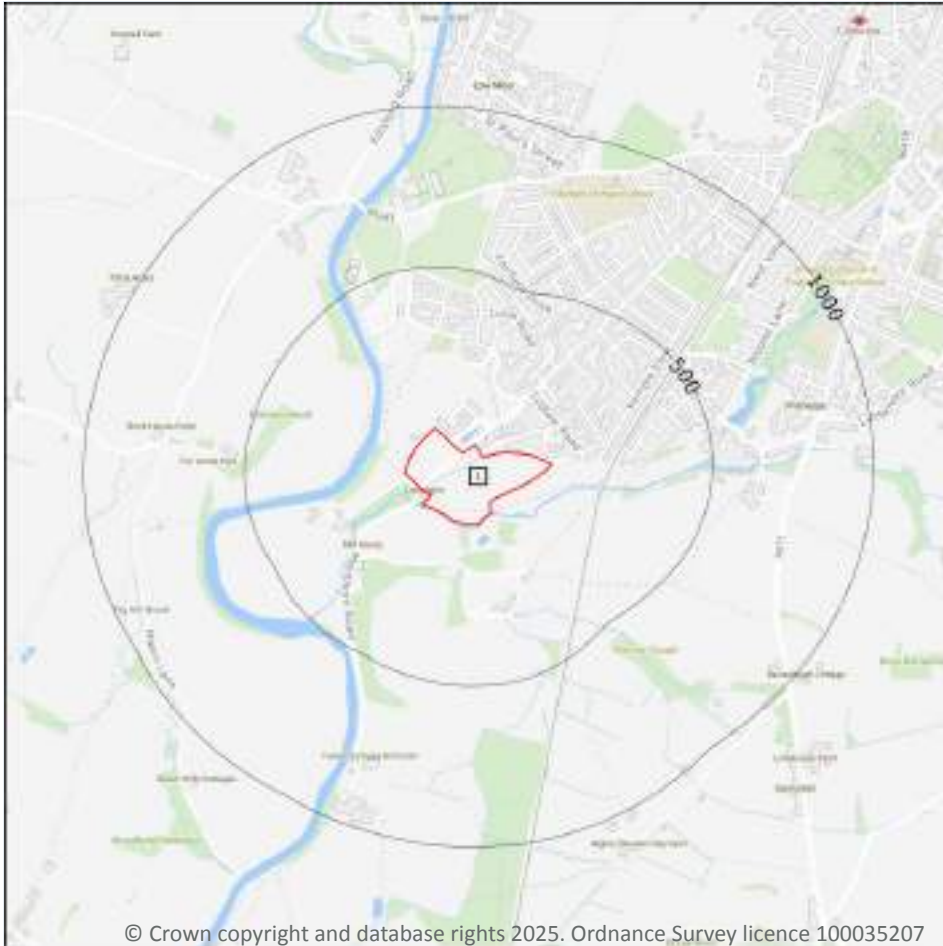
0

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 | No coverage | Full | Full | Full | EW068_clitheroe_v4 |

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

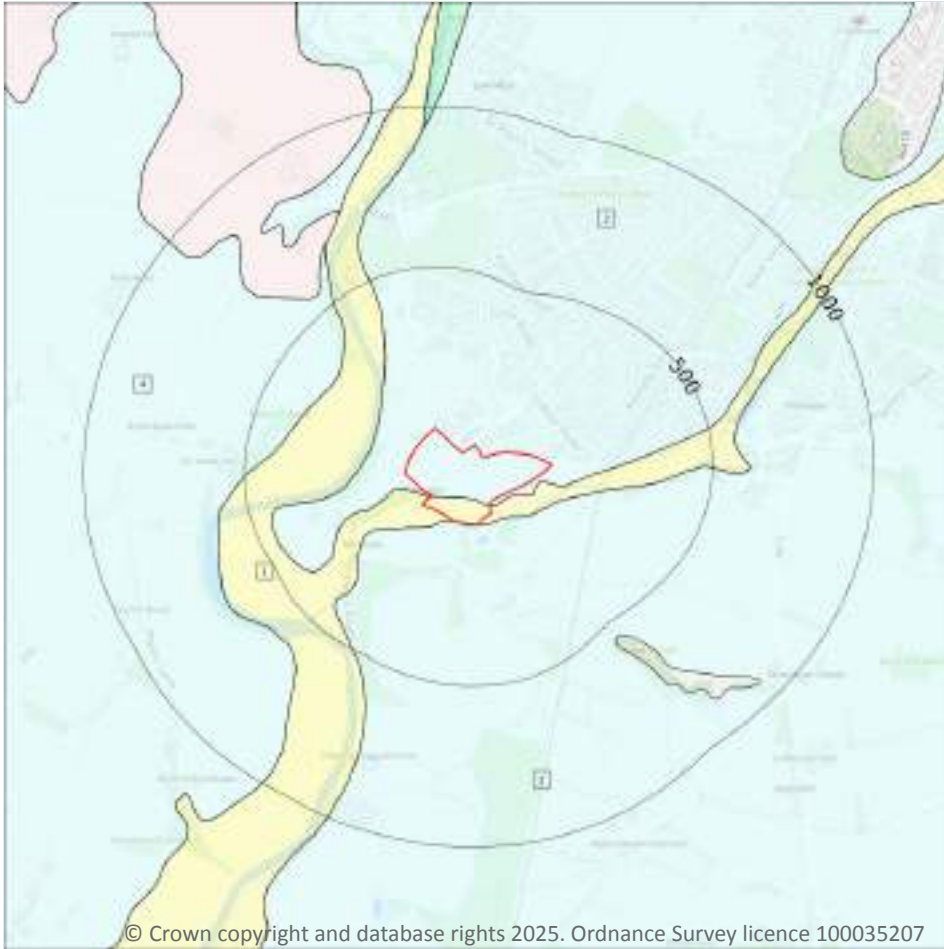
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial 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 - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

4

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 93](#) >

| ID | Location | LEX Code | Description | Rock description |
|----|----------|------------|-----------------|-----------------------------|
| 1 | On site | ALV-XCZSV | ALLUVIUM | CLAY, SILT, SAND AND GRAVEL |
| 2 | On site | TILLD-DMTN | TILL, DEVENSIAN | DIAMICTON |
| 3 | On site | TILLD-DMTN | TILL, DEVENSIAN | DIAMICTON |

| ID | Location | LEX Code | Description | Rock description |
|----|----------|------------|-----------------|------------------|
| 4 | 325m NW | TILLD-DMTN | TILL, DEVENSIAN | DIAMICTON |

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

3

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m

2

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 95 >](#)

| ID | Location | LEX Code | Description | Rock age |
|----|----------|------------|-------------------------------------------------------------------------------------------|----------|
| 1 | On site | PRMT-STMD | PERMIAN ROCKS AND TRIASSIC ROCKS (UNDIFFERENTIATED) - SANDSTONE AND MUDSTONE | - |
| 2 | On site | CLHOM-MDST | CLITHEROE LIMESTONE FORMATION AND HODDER MUDSTONE FORMATION (UNDIFFERENTIATED) - MUDSTONE | WISEAN |

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

| | |
|---------------------------|----------|
| Records within 50m | 2 |
|---------------------------|----------|

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 | Fracture | Very High | Low |
| On site | Mixed | High | Low |

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

| | |
|----------------------------|----------|
| Records within 500m | 1 |
|----------------------------|----------|

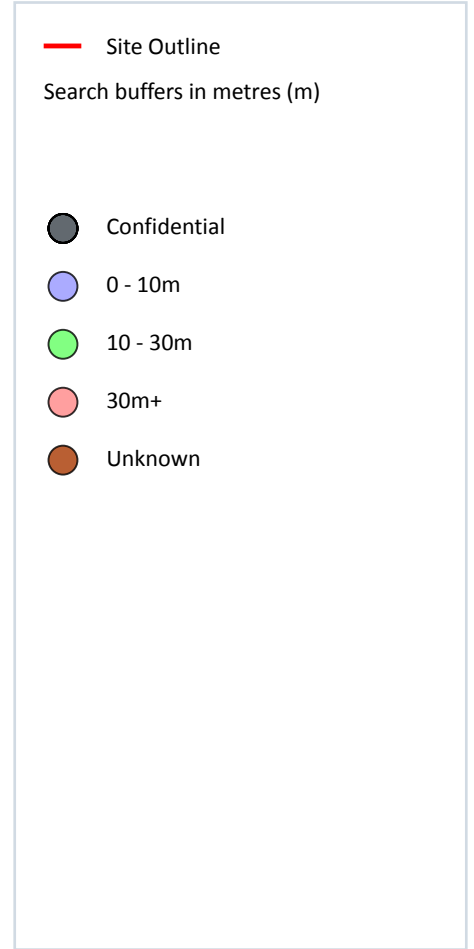
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 95 >](#)

| ID | Location | Category | Description |
|----|----------|----------|-----------------|
| 3 | On site | FAULT | Fault, inferred |

This data is sourced from the British Geological Survey.

16 Boreholes



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16.1 BGS Boreholes

Records within 250m

3

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.

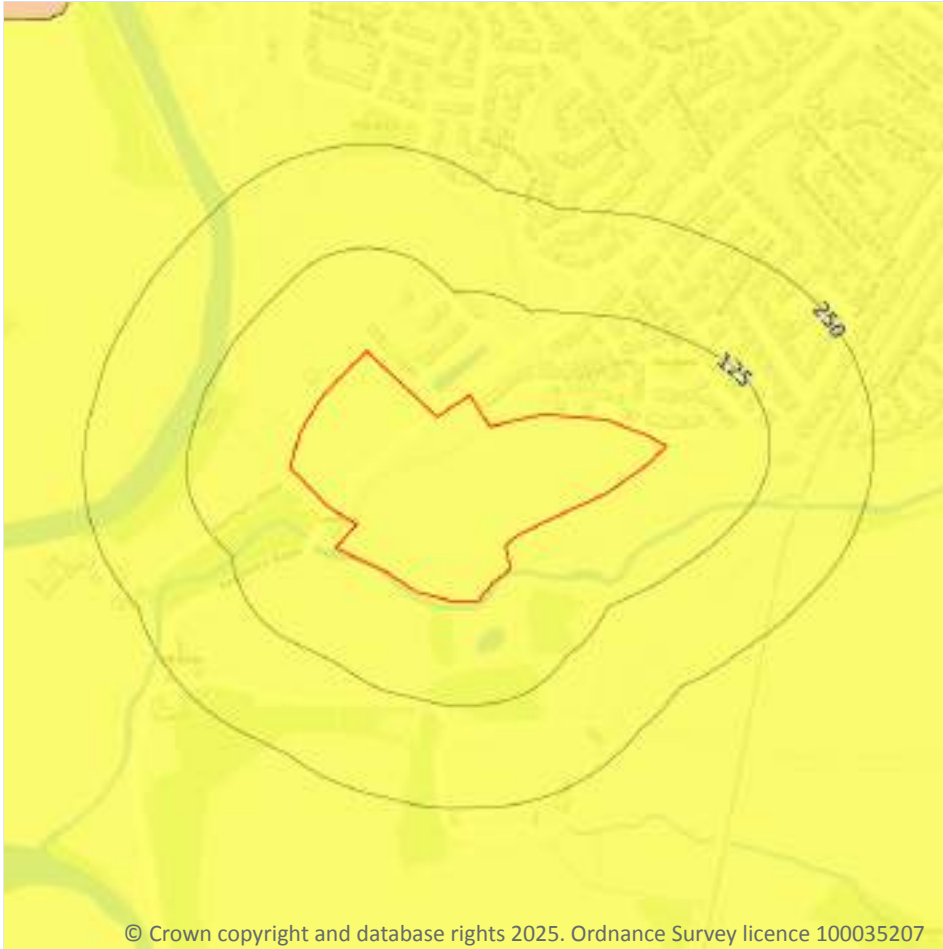
Features are displayed on the Boreholes map on [page 97 >](#)

| ID | Location | Grid reference | Name | Length | Confidential | Web link |
|----|----------|----------------|--------------------|--------|--------------|----------|
| 1 | 156m SE | 373129 440371 | Clitheroe WwTW BH1 | - | Y | N/A |
| 2 | 187m SE | 373146 440344 | Clitheroe WwTW BH2 | - | Y | N/A |
| 3 | 194m SE | 373173 440360 | Clitheroe WwTW BH3 | - | Y | N/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

1

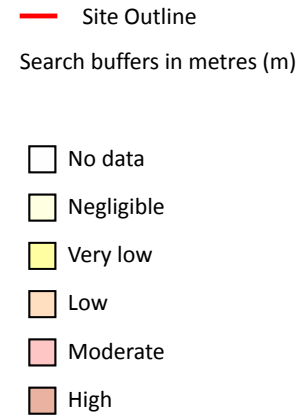
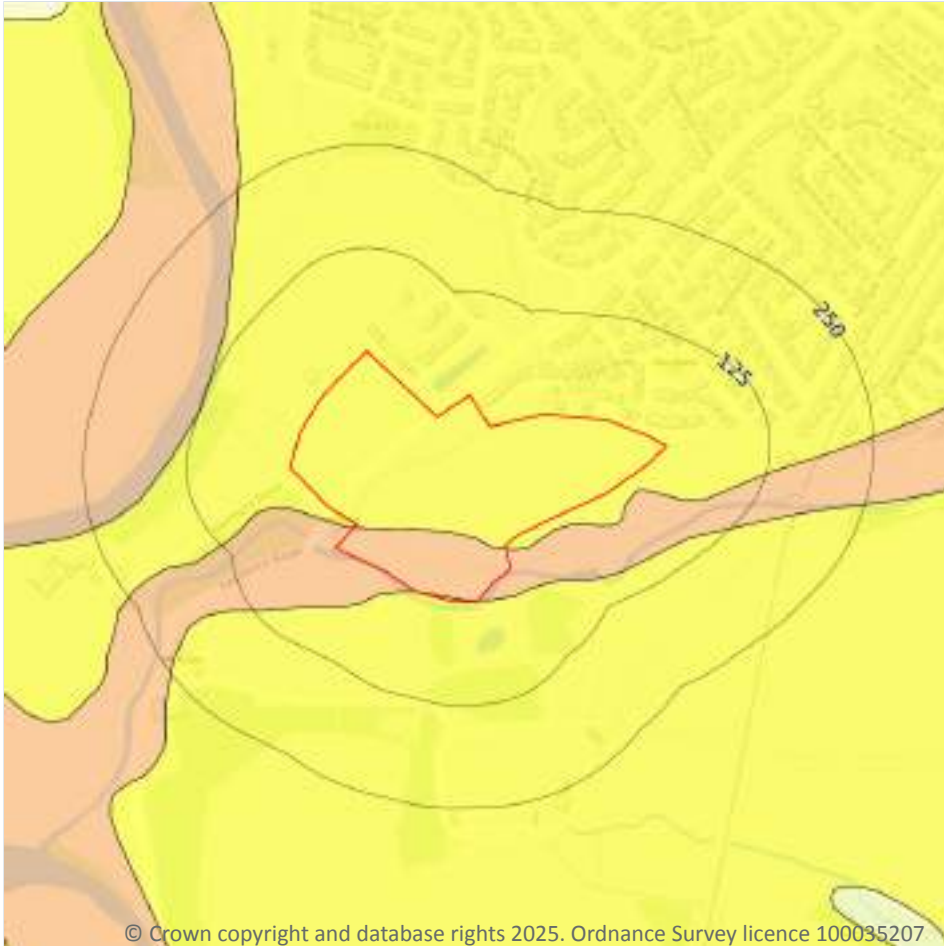
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 99](#) >

| Location | Hazard rating | Details |
|----------|---------------|-------------------------------------------------|
| On site | Very low | Ground conditions predominantly low plasticity. |

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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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 100](#) >

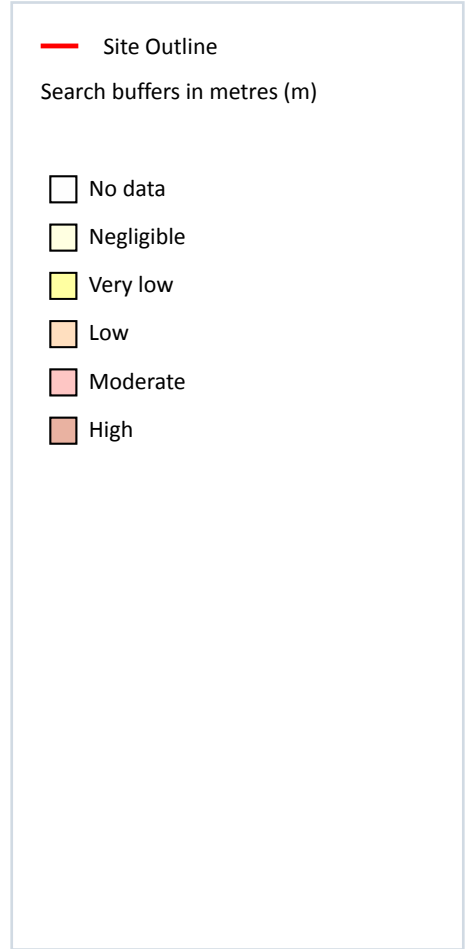
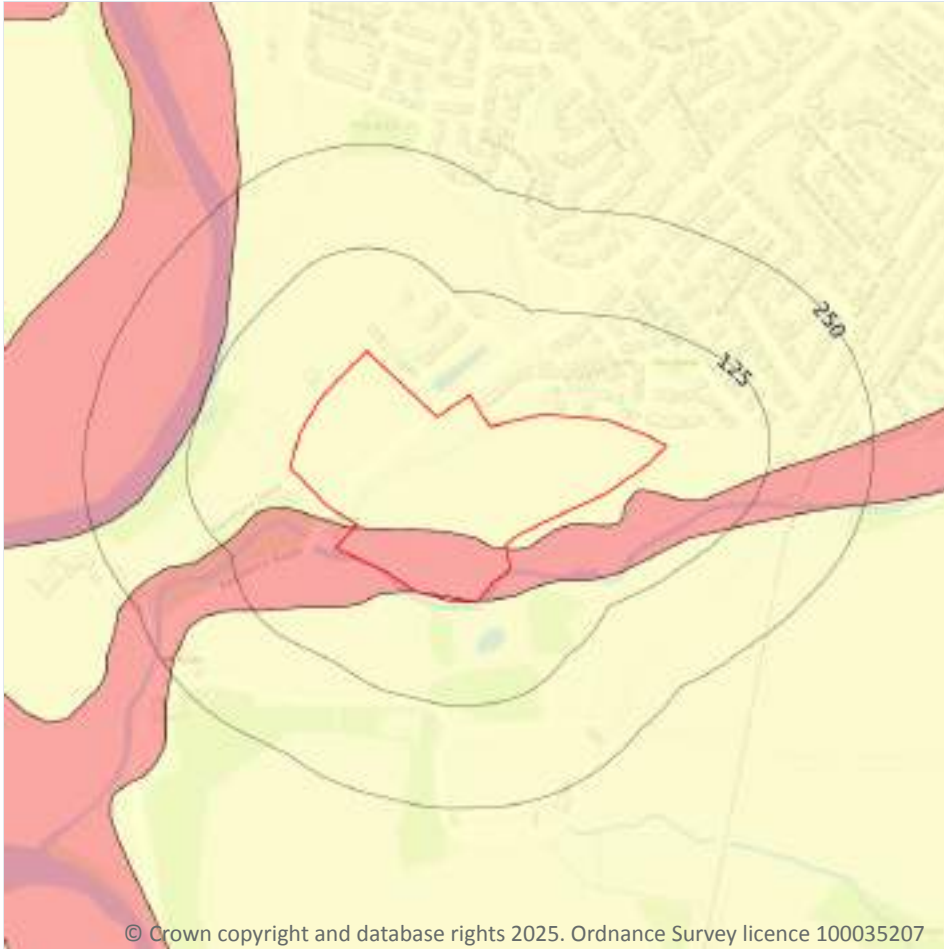
| Location | Hazard rating | Details |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| On site | Very low | Running sand conditions are unlikely. No identified constraints on land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

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

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.

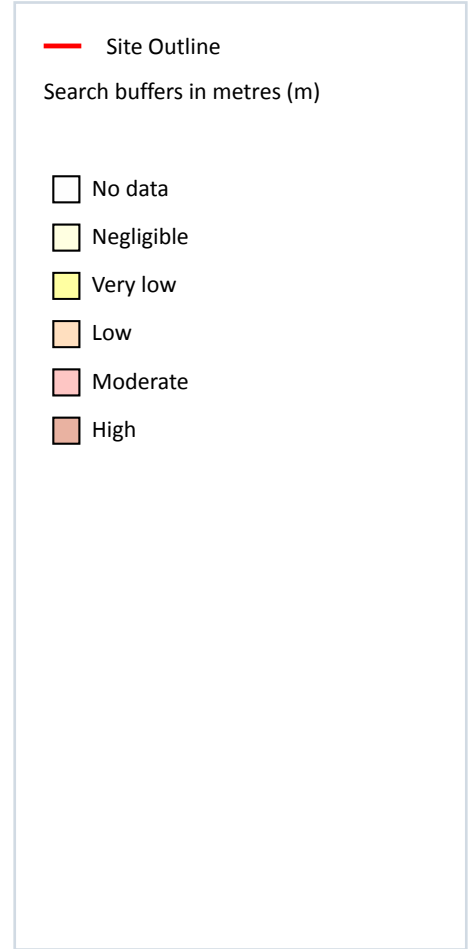
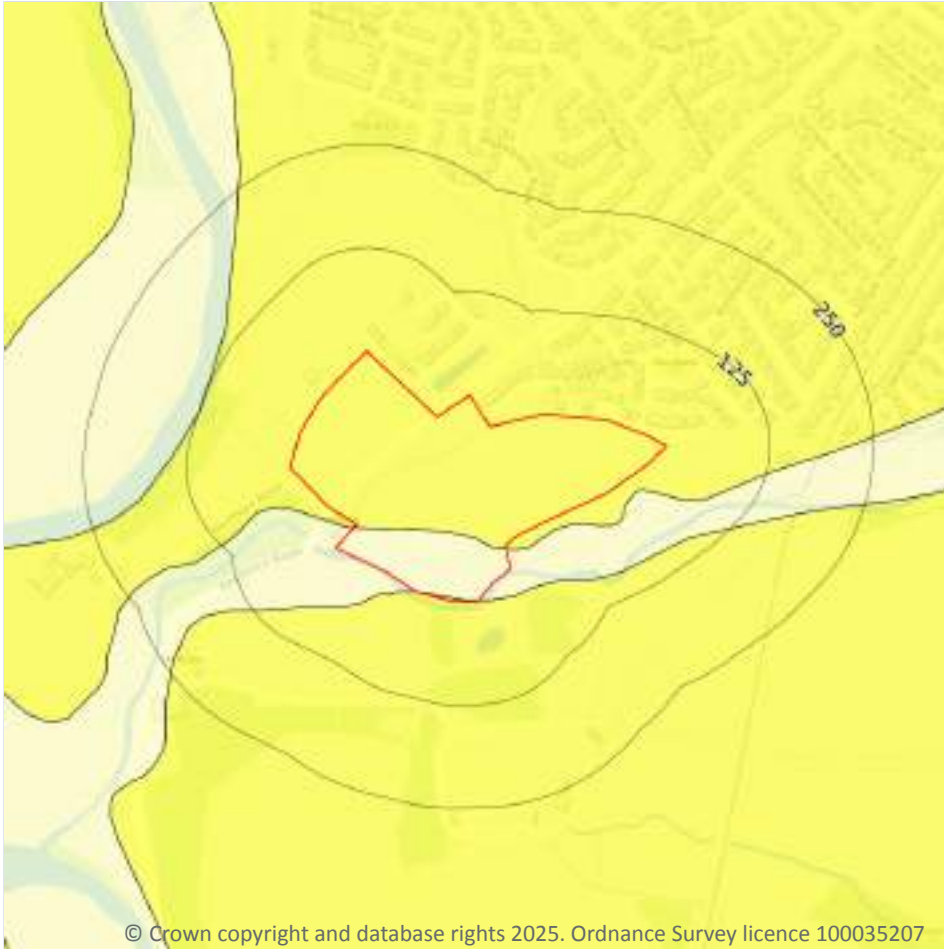
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 102 >](#)

| Location | Hazard rating | Details |
|----------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On site | Negligible | Compressible strata are not thought to occur. |
| On site | 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

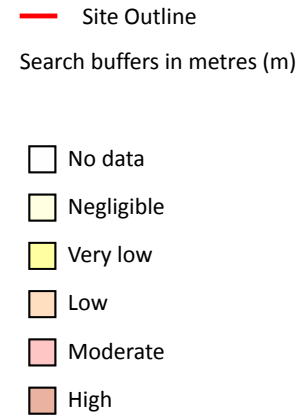
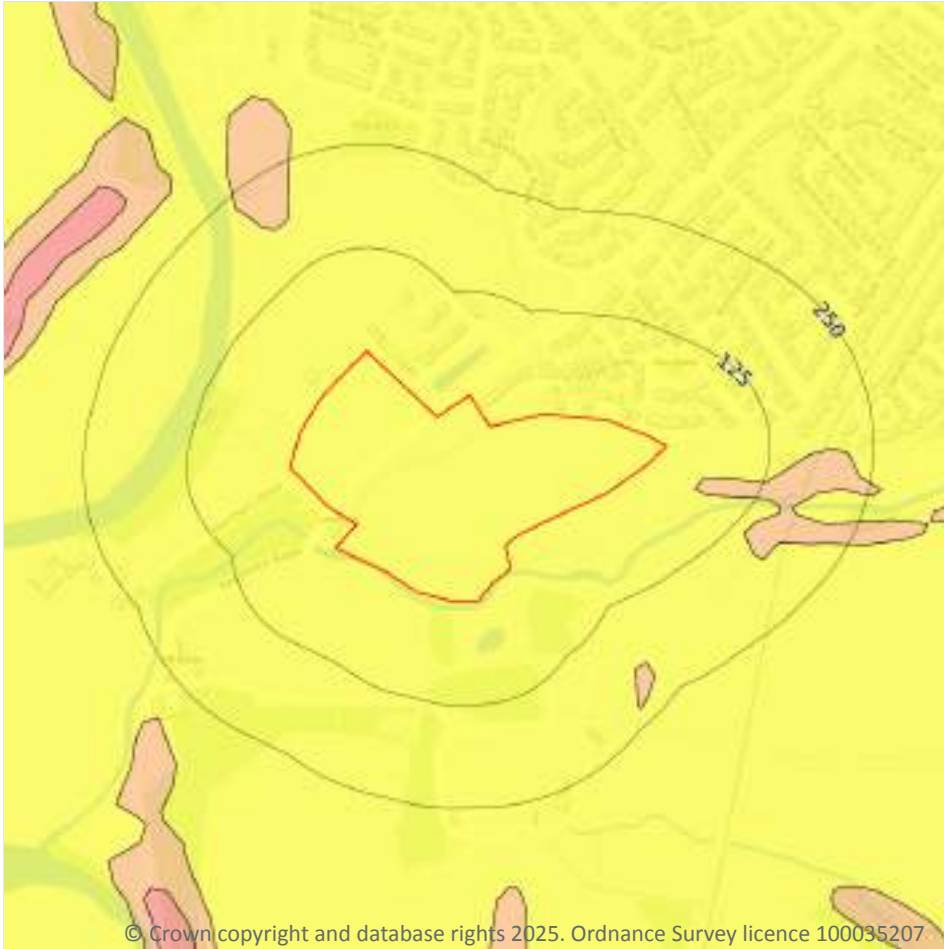
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 104 >](#)

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



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17.5 Landslides

Records within 50m

1

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

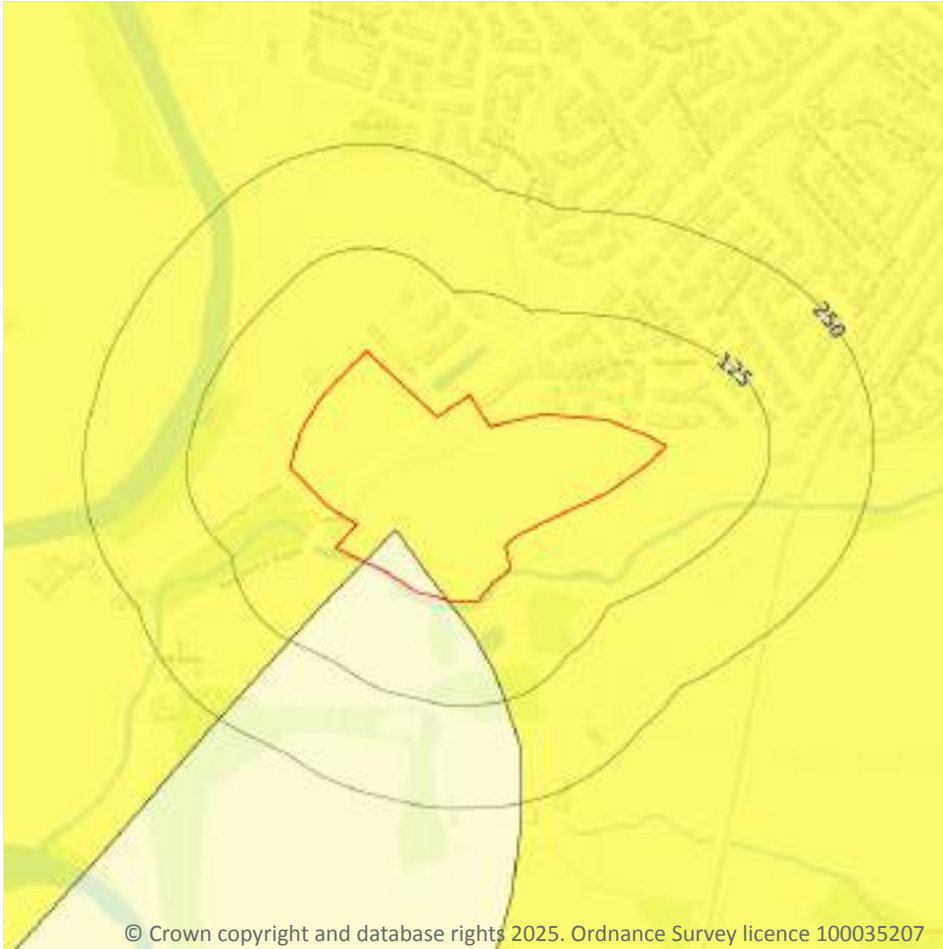
Features are displayed on the Natural ground subsidence - Landslides map on [page 105 >](#)

| 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



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17.6 Ground dissolution of soluble rocks

Records within 50m

2

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 106 >](#)

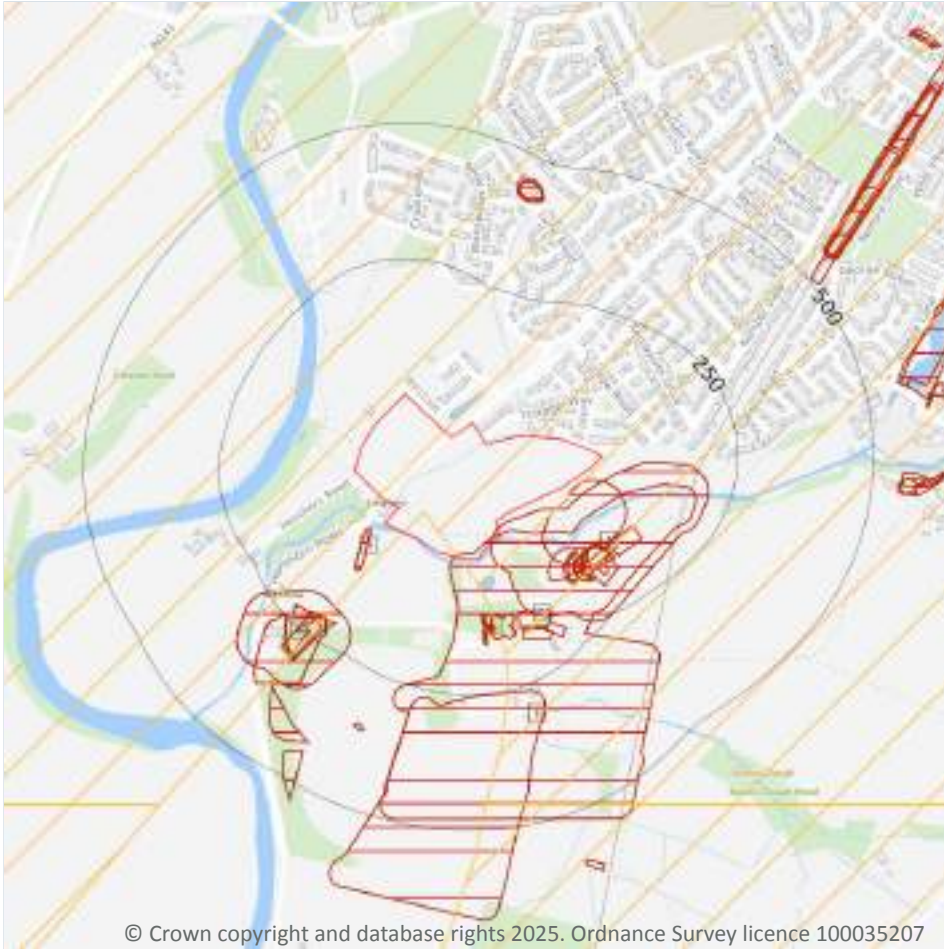
| Location | Hazard rating | Details |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| On site | Negligible | Soluble rocks are either not thought to be present within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

| Location | Hazard rating | Details |
|----------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On site | Very low | Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered. |

This data is sourced from the British Geological Survey.



18 Mining and ground workings



18.1 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m
30

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 108](#) >

| ID | Location | Land Use | Year of mapping | Mapping scale |
|----------|----------------|-----------------------------|-----------------|----------------|
| 1 | On site | Sewage Farm | 1955 | 1:10560 |
| A | On site | Sewage Works | 1971 | 1:10000 |
| A | 12m E | Unspecified Heap | 1911 | 1:10560 |
| B | 28m SW | Unspecified Heap | 1938 | 1:10560 |
| B | 28m SW | Unspecified Heap | 1930 | 1:10560 |
| A | 103m SE | Ponds | 1971 | 1:10000 |
| C | 104m S | Unspecified Ground Workings | 1938 | 1:10560 |
| C | 104m S | Unspecified Ground Workings | 1930 | 1:10560 |
| C | 110m S | Pond | 1938 | 1:10560 |
| C | 110m S | Pond | 1930 | 1:10560 |
| A | 116m SE | Unspecified Ground Workings | 1938 | 1:10560 |
| A | 116m SE | Unspecified Ground Workings | 1930 | 1:10560 |
| A | 117m SE | Unspecified Heap | 1971 | 1:10000 |
| A | 121m SE | Unspecified Heap | 1938 | 1:10560 |
| A | 121m SE | Unspecified Heap | 1930 | 1:10560 |
| A | 123m SE | Unspecified Heap | 1955 | 1:10560 |
| D | 123m SE | Ponds | 1955 | 1:10560 |
| A | 124m SE | Filter Beds | 1910 | 1:10560 |
| A | 126m SE | Pond | 1938 | 1:10560 |
| A | 126m SE | Pond | 1930 | 1:10560 |
| A | 129m SE | Pond | 1955 | 1:10560 |
| A | 132m E | Filter Beds | 1911 | 1:10560 |
| D | 155m S | Ponds | 1955 | 1:10560 |



| ID | Location | Land Use | Year of mapping | Mapping scale |
|----|----------|-------------------|-----------------|---------------|
| E | 175m SW | Refuse Destructor | 1955 | 1:10560 |
| D | 176m SE | Filter Beds | 1910 | 1:10560 |
| E | 203m SW | Mill Pond | 1911 | 1:10560 |
| E | 205m SW | Refuse Destructor | 1938 | 1:10560 |
| E | 205m SW | Refuse Destructor | 1930 | 1:10560 |
| E | 217m SW | Sewage Works | 1971 | 1:10000 |
| E | 218m SW | Mill Pond | 1847 | 1:10560 |

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

2

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

Features are displayed on the Mining and ground workings map on [page 108 >](#)

| ID | Location | Name | Commodity | Class | Likelihood |
|----|----------|---------------|--------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | On site | Not available | Vein Mineral | B | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 7 | 454m S | Not available | Vein Mineral | B | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

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

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



18.14 Gypsum areas

| | |
|-----------------|---|
| Records on site | 0 |
|-----------------|---|

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

| | |
|-----------------|---|
| Records on site | 0 |
|-----------------|---|

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

| | |
|-----------------|---|
| Records on site | 0 |
|-----------------|---|

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

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.

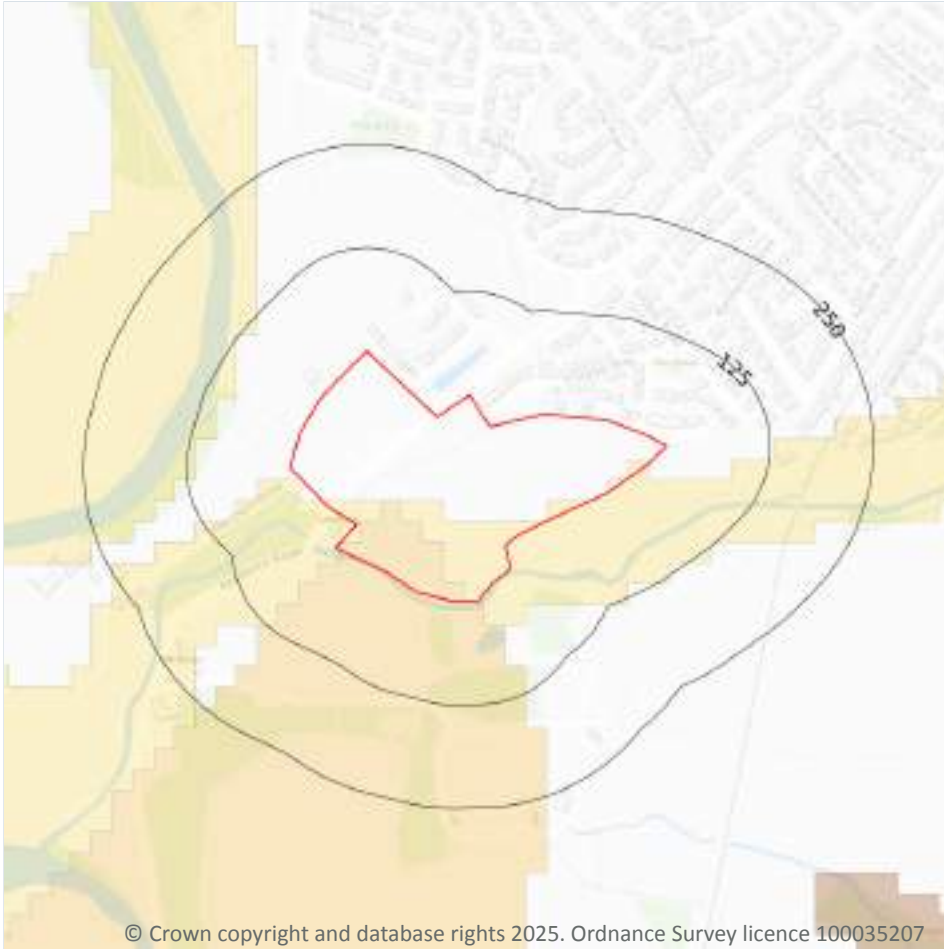
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



— Site Outline
Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

20.1 Radon

Records on site

3

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 116 >](#)

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



| Location | Estimated properties affected | Radon Protection Measures required |
|----------|-------------------------------|------------------------------------|
| On site | Between 1% and 3% | None |
| On site | Between 3% and 5% | Basic |

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

16

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

| Location | Arsenic | Bioaccessible Arsenic | Lead | Bioaccessible Lead | Cadmium | Chromium | Nickel |
|----------|---------------|-----------------------|-----------------|--------------------|-----------|---------------|---------------|
| On site | 15 - 25 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site | 15 - 25 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site | 15 - 25 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site | 15 - 25 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site | 15 - 25 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site | 15 - 25 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| On site | 15 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site | 15 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site | 15 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site | 15 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site | 15 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| On site | 15 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |



| Location | Arsenic | Bioaccessible Arsenic | Lead | Bioaccessible Lead | Cadmium | Chromium | Nickel |
|----------------|-----------------|-----------------------|------------------------|-----------------------|------------------|----------------------|----------------------|
| On site | 15 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 2m SW | 15 mg/kg | No data | 100 mg/kg | 60 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |
| 5m S | 15 - 25 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 5m S | 15 mg/kg | No data | 100 - 200 mg/kg | 60 - 120 mg/kg | 1.8 mg/kg | 40 - 60 mg/kg | 15 - 30 mg/kg |

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

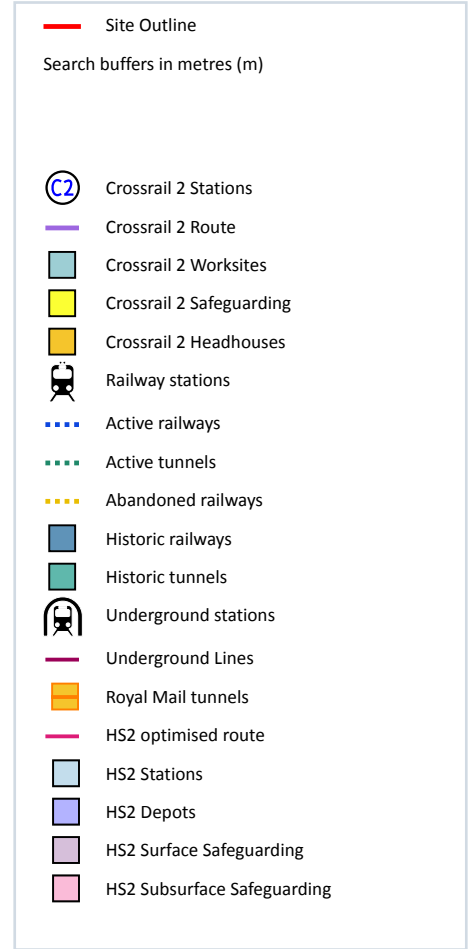
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



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22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

0

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.

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

10

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 120](#) >



| Location | Name | Type |
|----------|--------------------|-------------|
| 173m E | Ribble Valley Line | rail |
| 176m E | Not given | Multi Track |
| 177m E | Ribble Valley Line | rail |
| 180m E | Ribble Valley Line | rail |
| 181m E | Not given | Multi Track |
| 184m E | Ribble Valley Line | rail |
| 185m E | Ribble Valley Line | rail |
| 189m E | Ribble Valley Line | rail |
| 189m E | Not given | Multi Track |
| 210m E | Not given | Multi Track |

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 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> ↗.

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Site Details:

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Map date: 1847-1848

Scale: 1:10,560

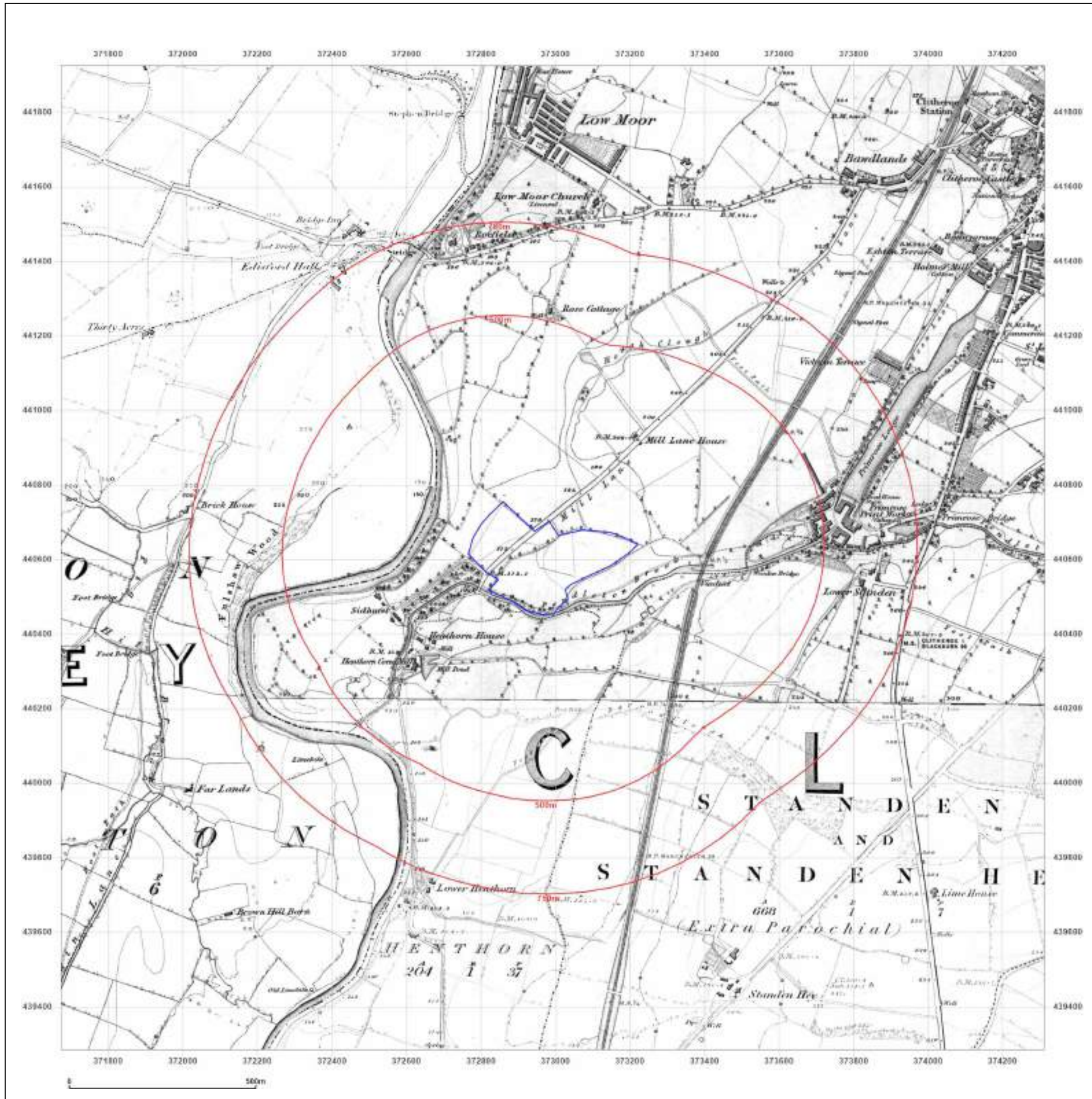
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Surveyed N/A/Surveyed 1844
 Revised N/A/Revised 1847
 Edition N/A/Edition 1847
 Copyright N/A/Copyright N/A
 Levelled N/A/Levelled N/A

Surveyed 1847
 Revised N/A
 Edition 1848
 Copyright N/A
 Levelled N/A

Surveyed 1844
 Revised N/A
 Edition 1848
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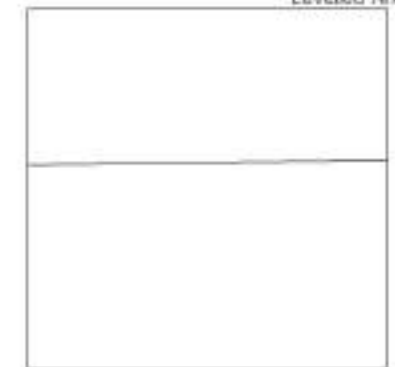
Map date: 1890

Scale: 1:10,560

Printed at: 1:10,560



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Edition 1890
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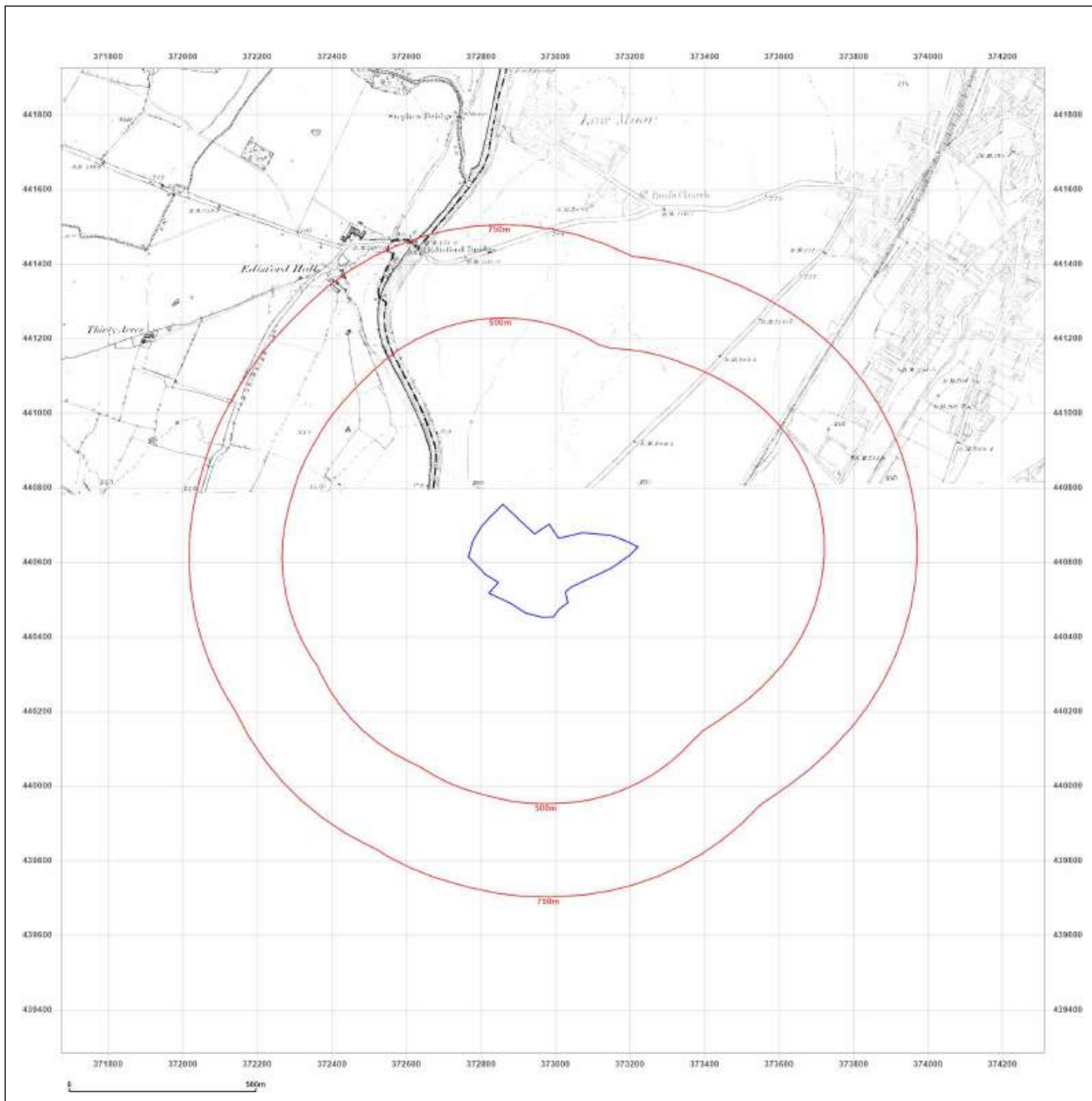


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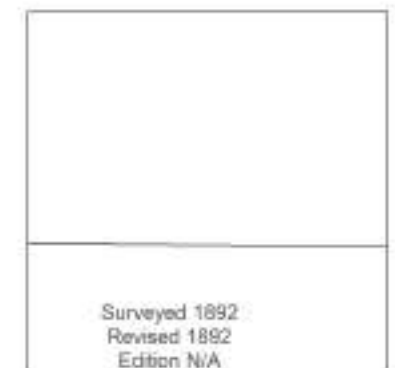
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Grid Ref: 372992, 440604

Map Name: County Series

Map date: 1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892
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Edition N/A
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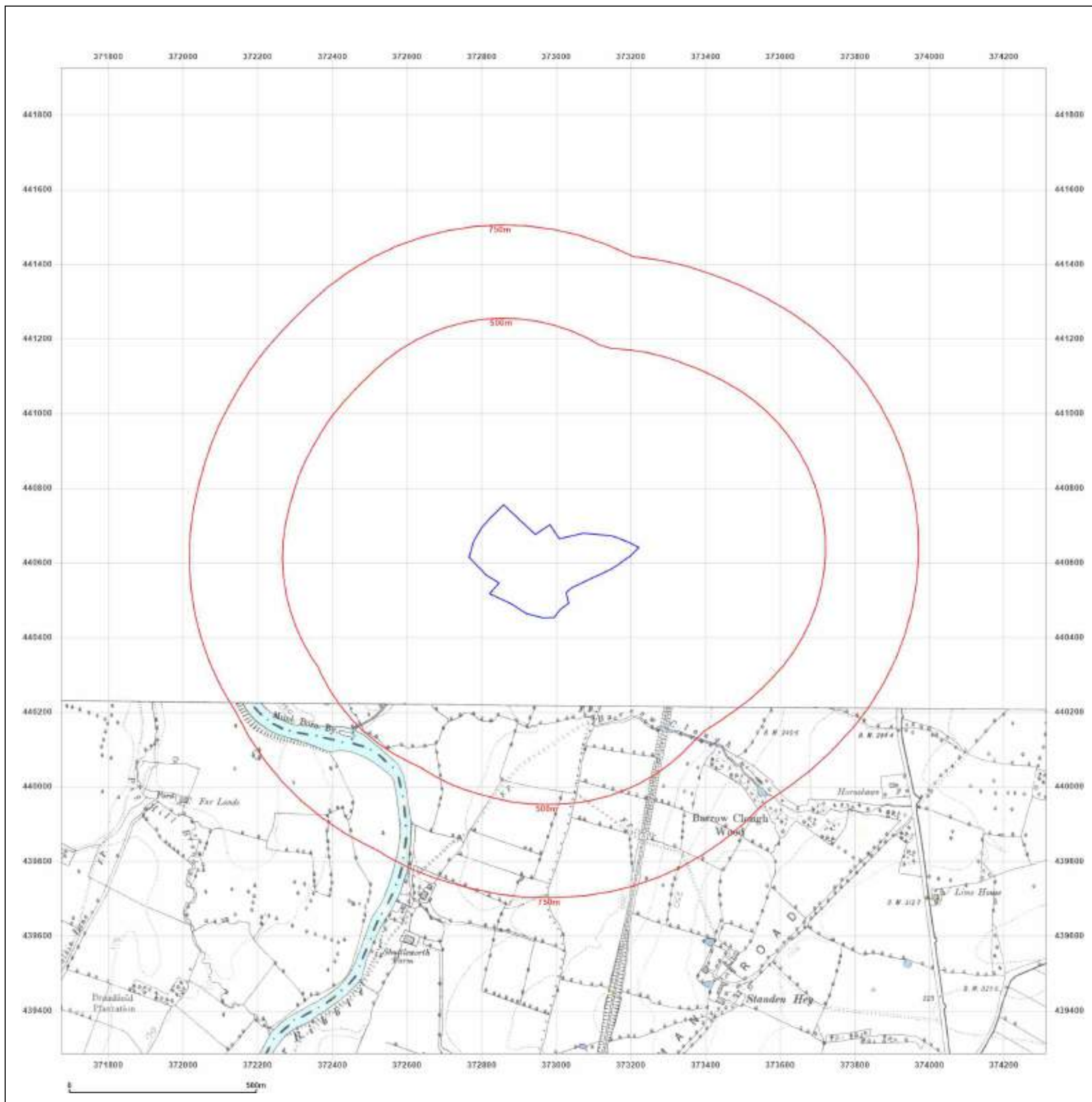


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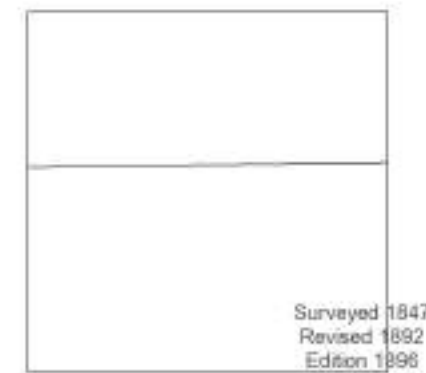
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Map Name: County Series

Map date: 1896

Scale: 1:10,560

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Edition 1896
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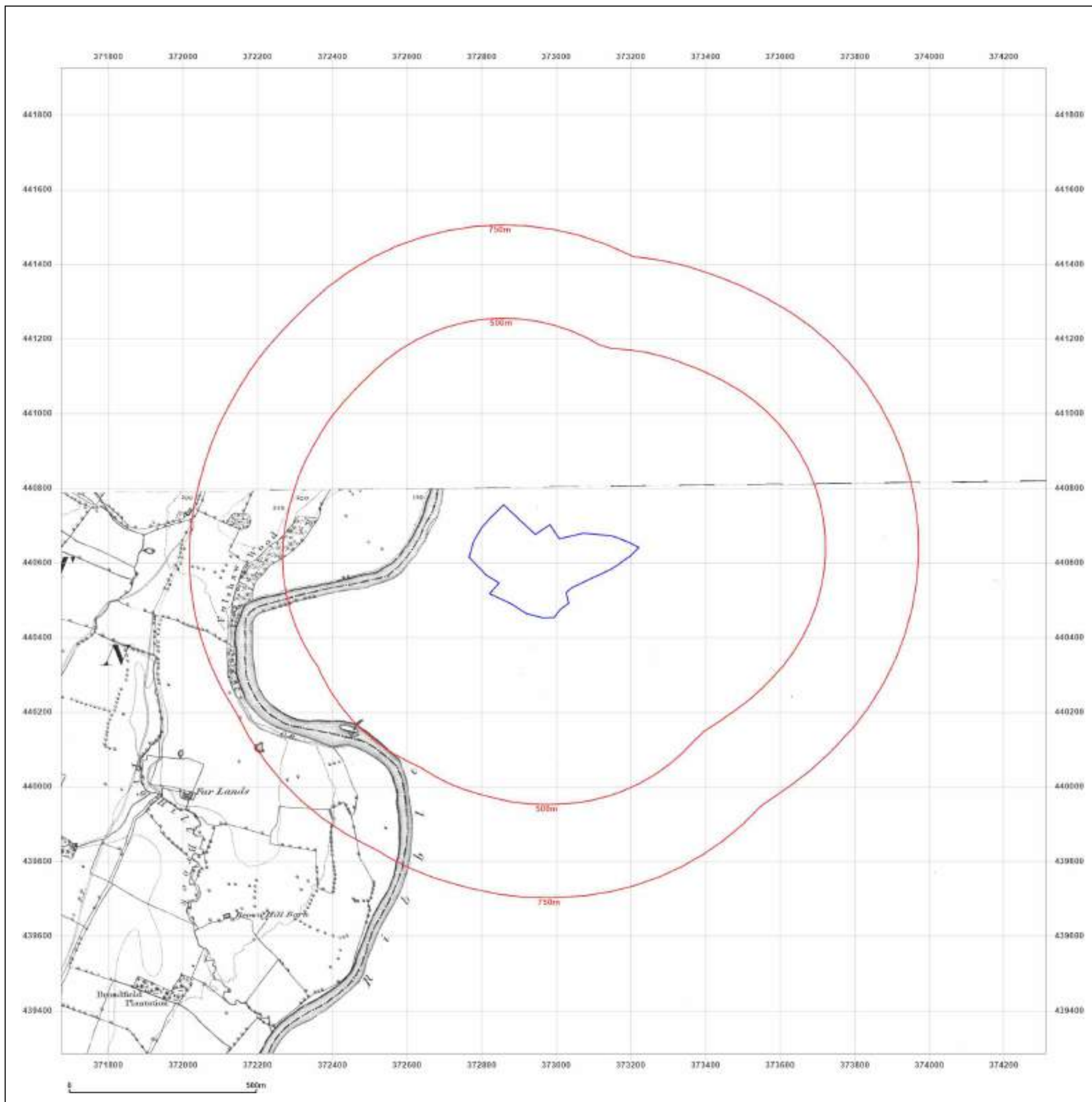


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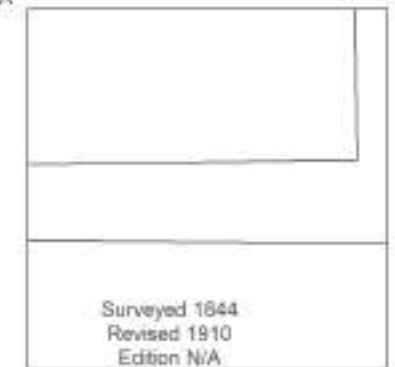
Map date: 1906-1910

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Printed at: 1:10,560



Surveyed N/A
Revised N/A
Edition N/A
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Surveyed 1844
Revised 1910
Edition N/A
Copyright N/A
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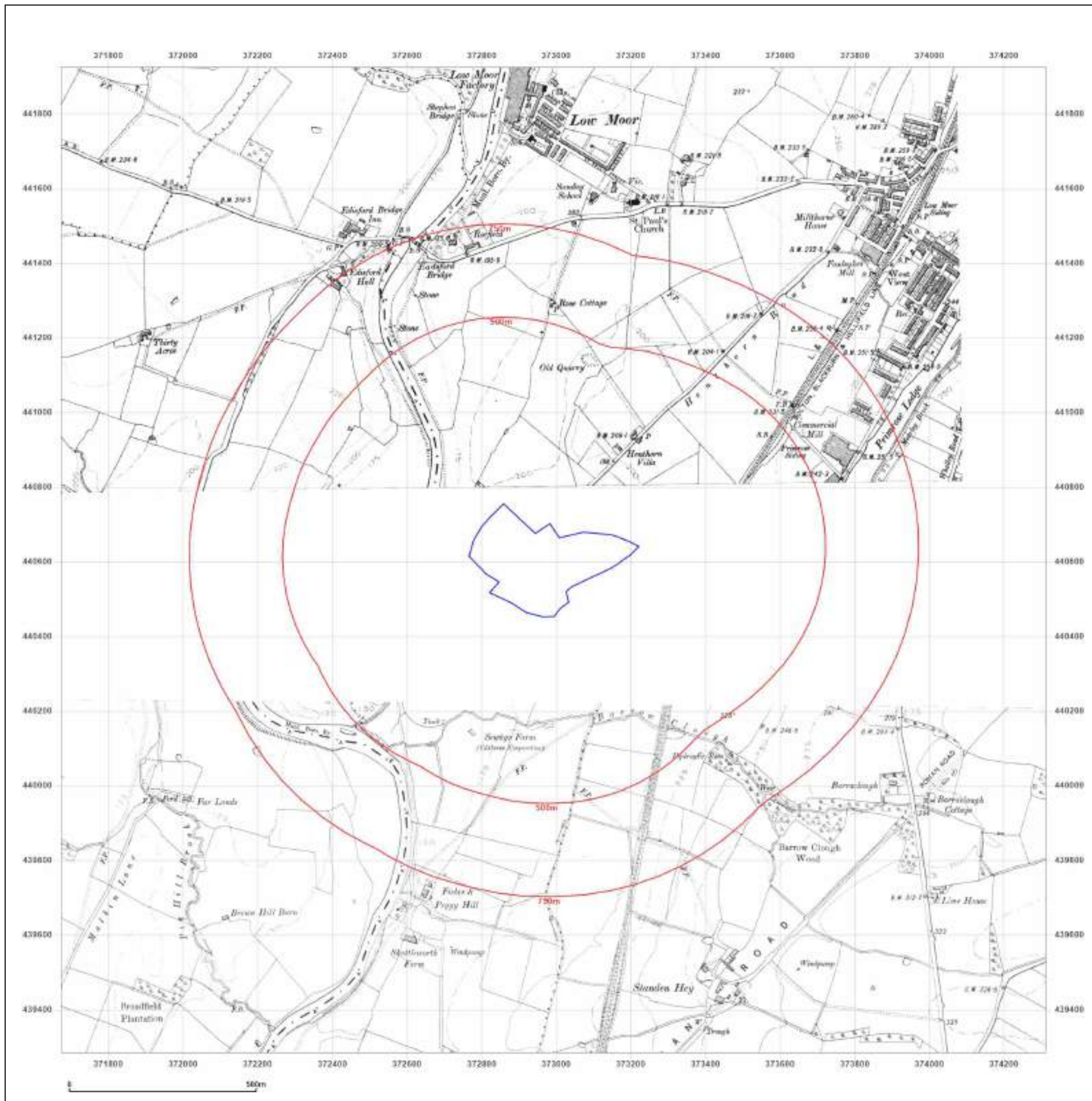


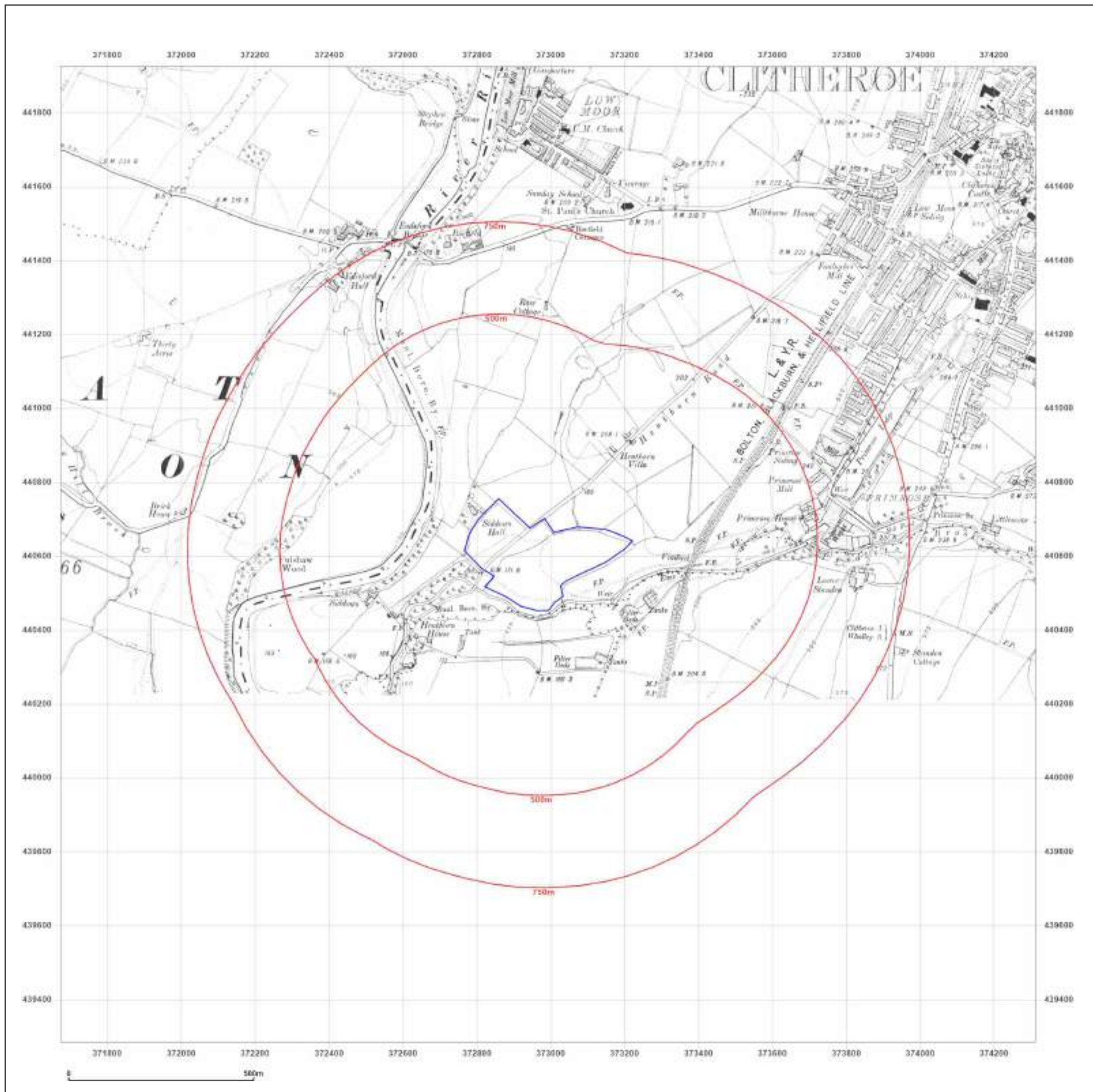
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Grid Ref: 372992, 440604

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560



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Grid Ref: 372992, 440604

Map Name: County Series

Map date: 1911

Scale: 1:10,560

Printed at: 1:10,560



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 Revised 1911
 Edition N/A
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 Levelled N/A



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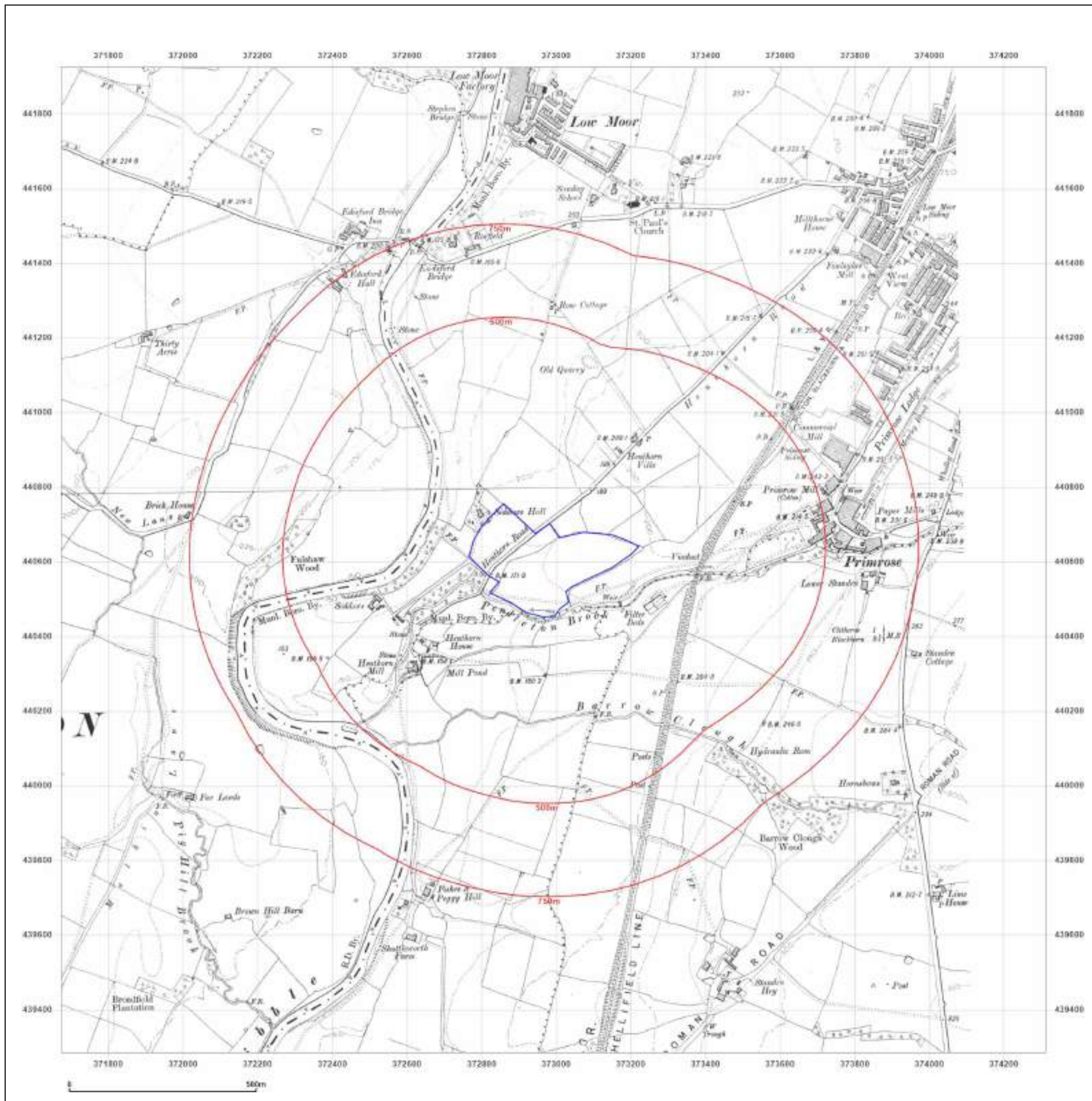


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Grid Ref: 372992, 440604

Map Name: County Series

Map date: 1930-1932

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1844
 Revised 1932
 Edition N/A
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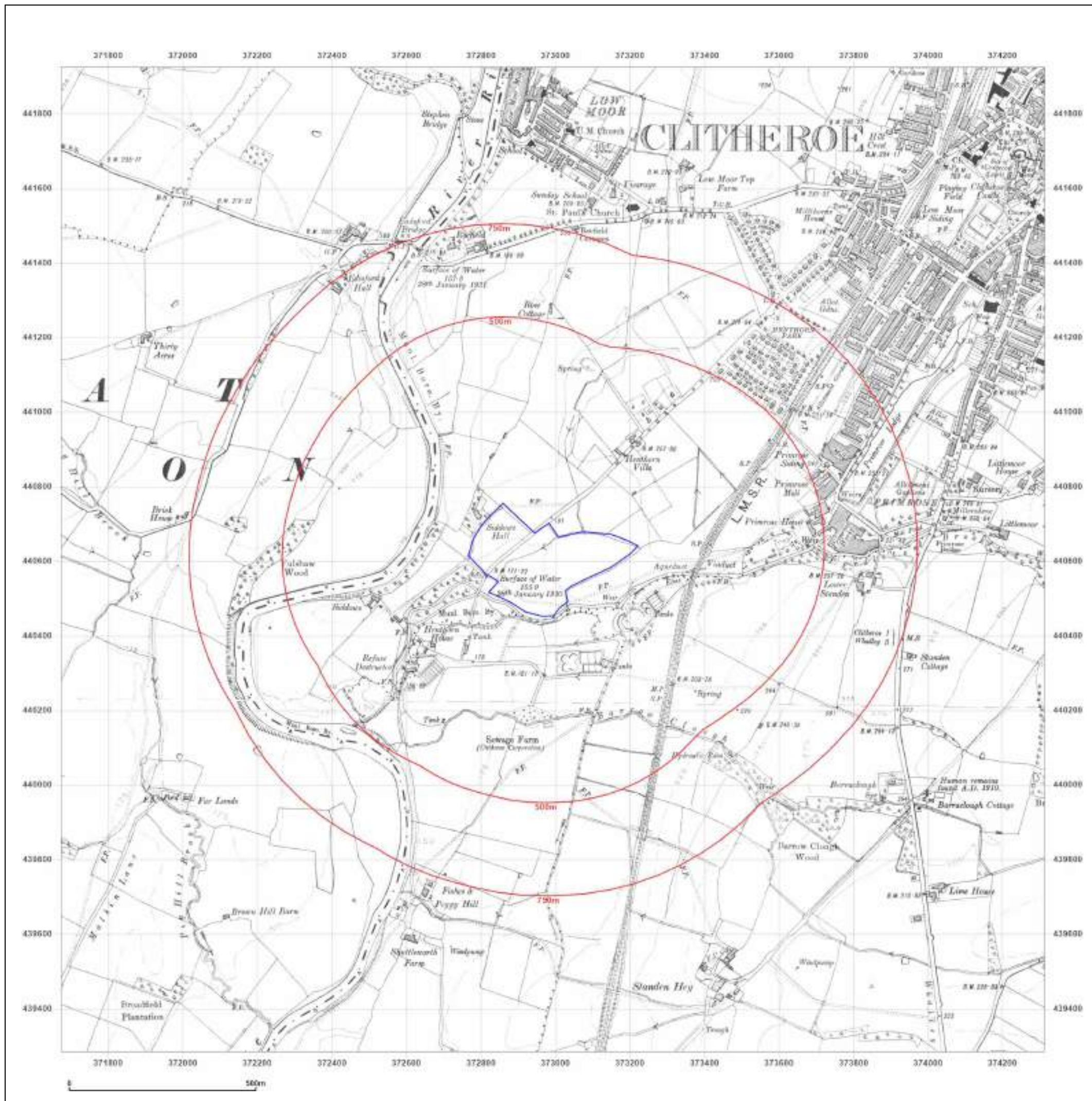


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Grid Ref: 372992, 440604

Map Name: County Series

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 Edition N/A
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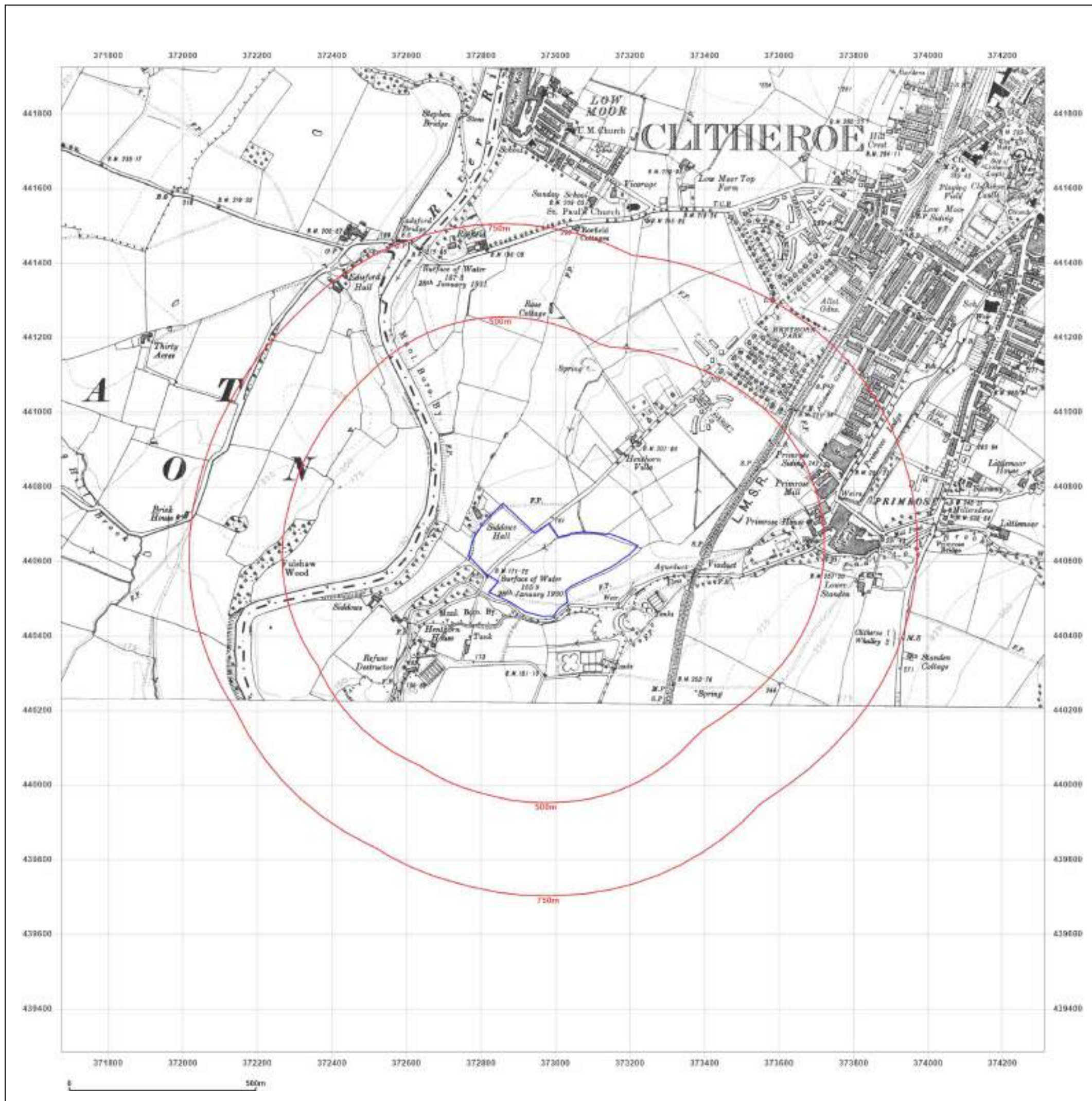


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Report Ref: EMS-1001304_1267338
Grid Ref: 372992, 440604

Map Name: Provisional

Map date: 1950-1955

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1950
Revised 1950
Edition N/A
Copyright 1955
Levelled N/A

Surveyed 1950
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A



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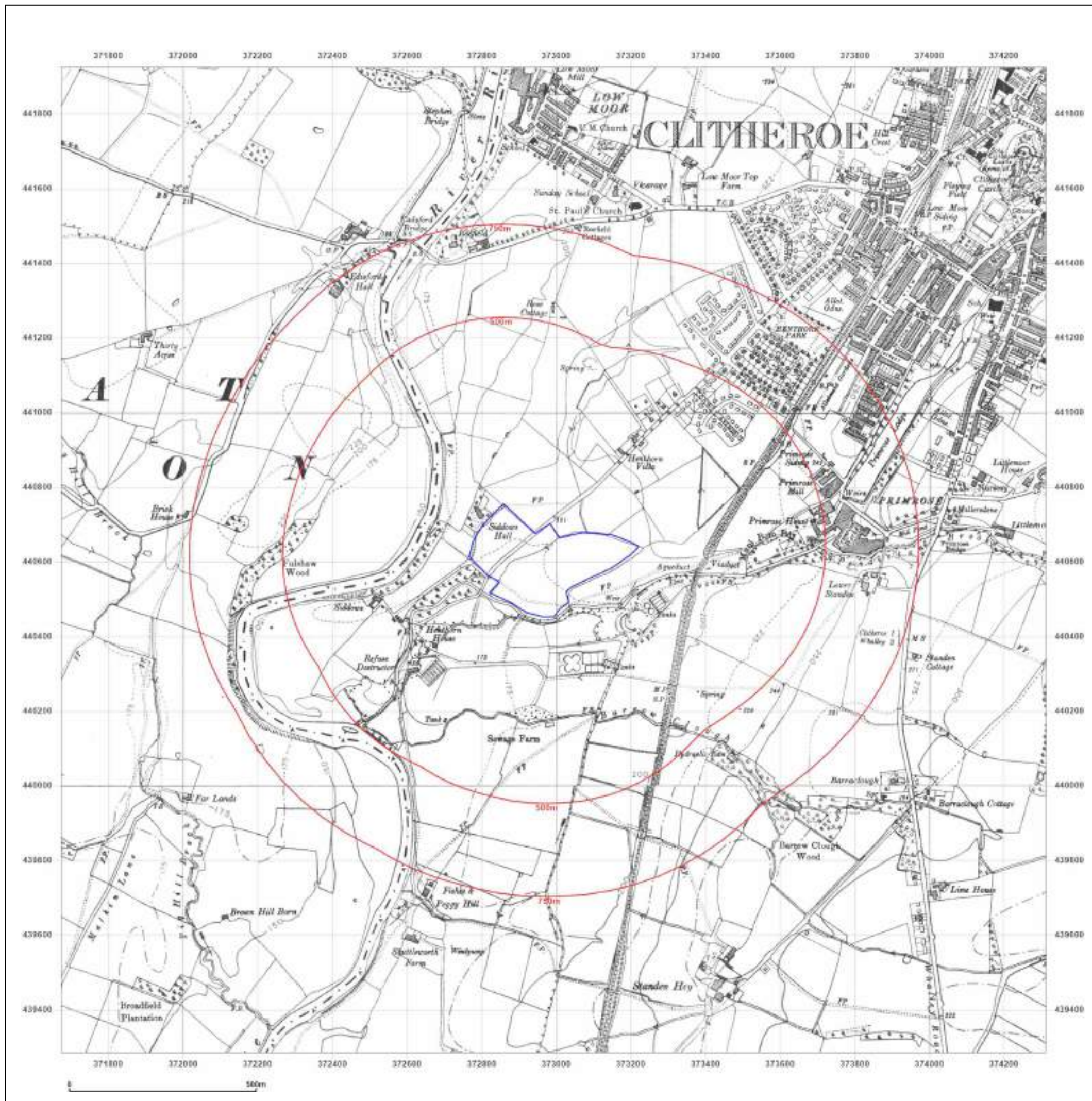


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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338
Grid Ref: 372992, 440604

Map Name: Provisional

Map date: 1969

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1989
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A



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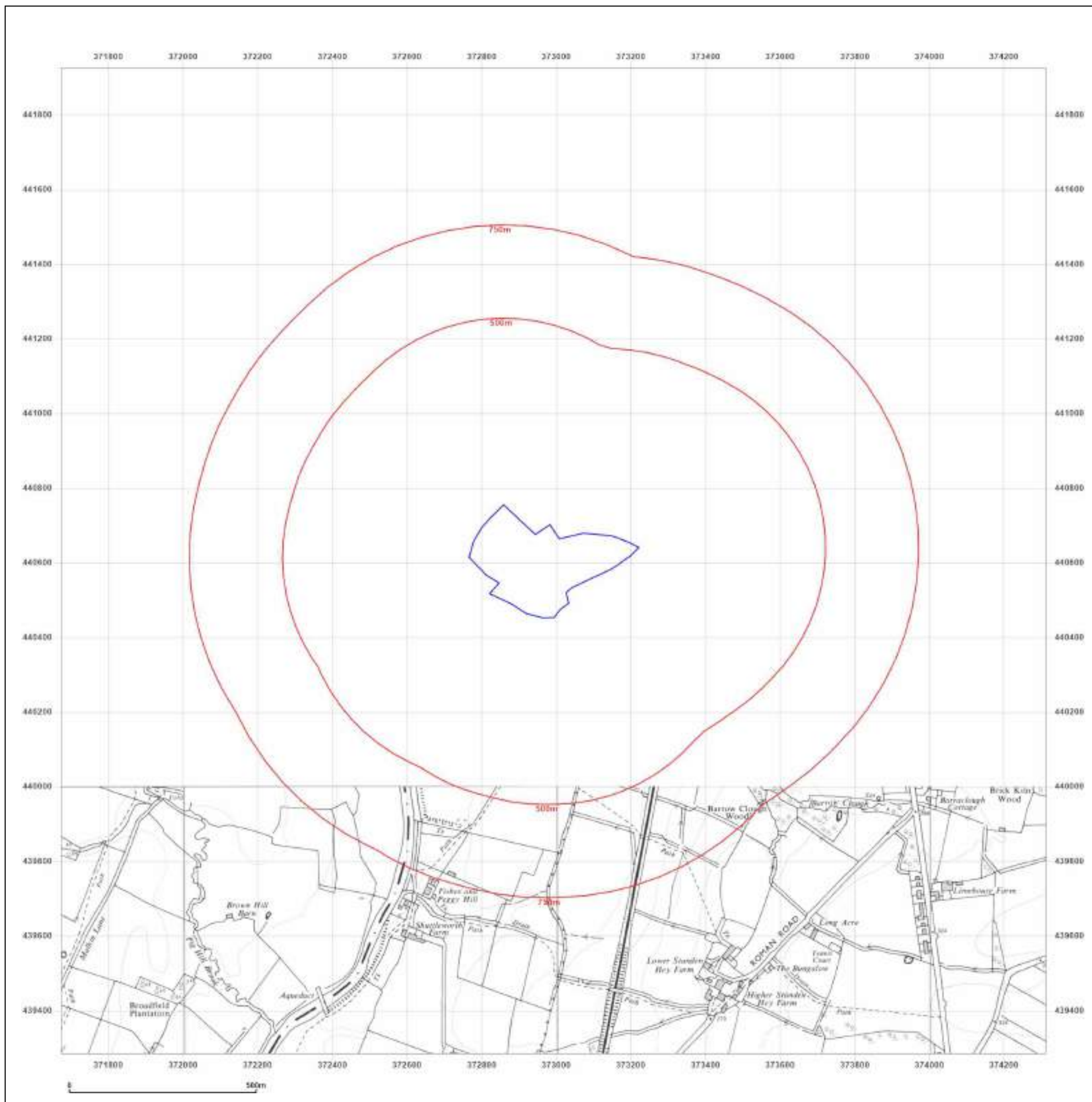


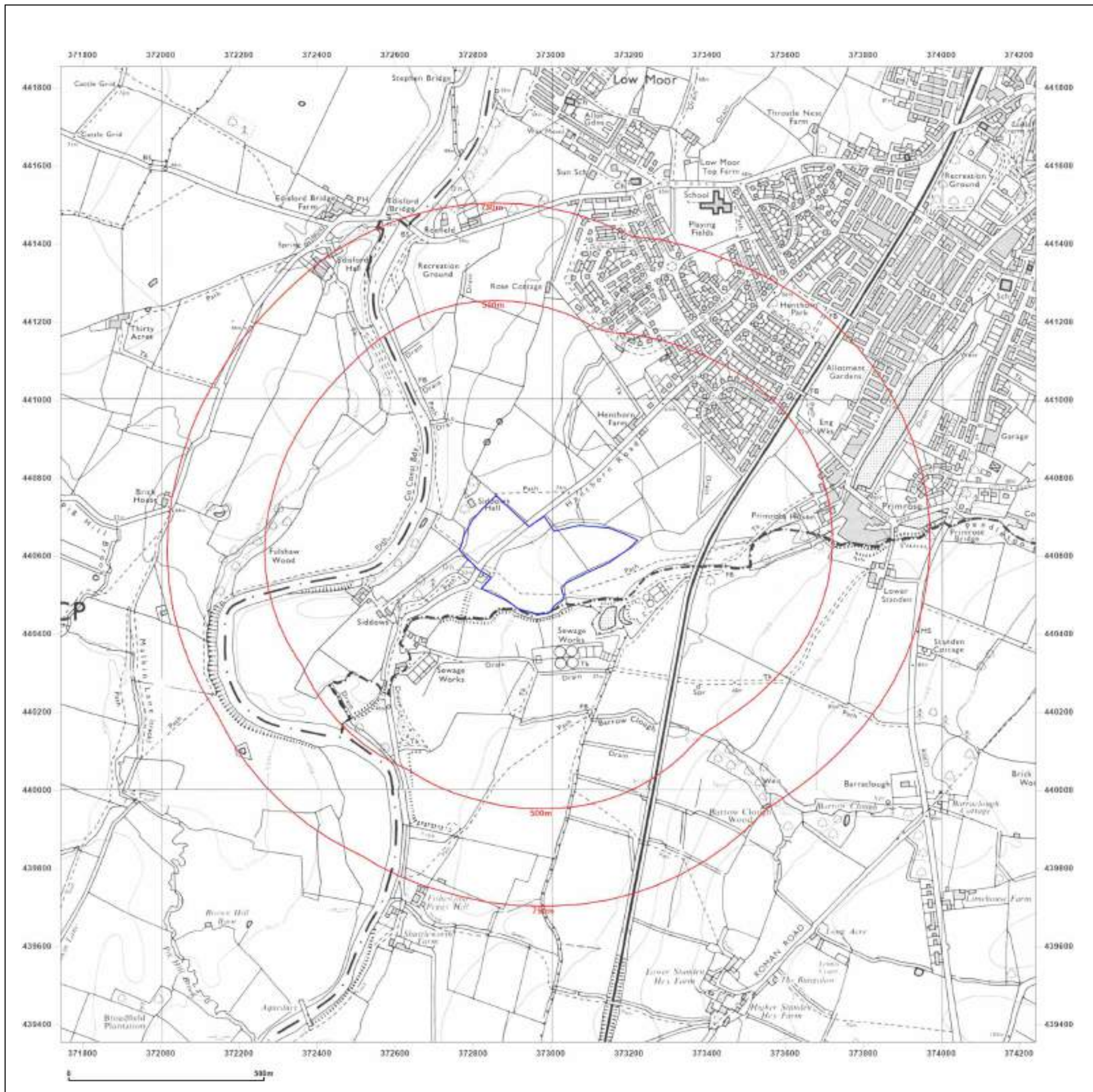
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Site Details:

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Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338
Grid Ref: 372992, 440604

Map Name: National Grid

Map date: 1971-1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1971
 Revised 1971
 Edition N/A
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Surveyed 1972
 Revised 1973
 Edition N/A
 Copyright N/A
 Levelled N/A



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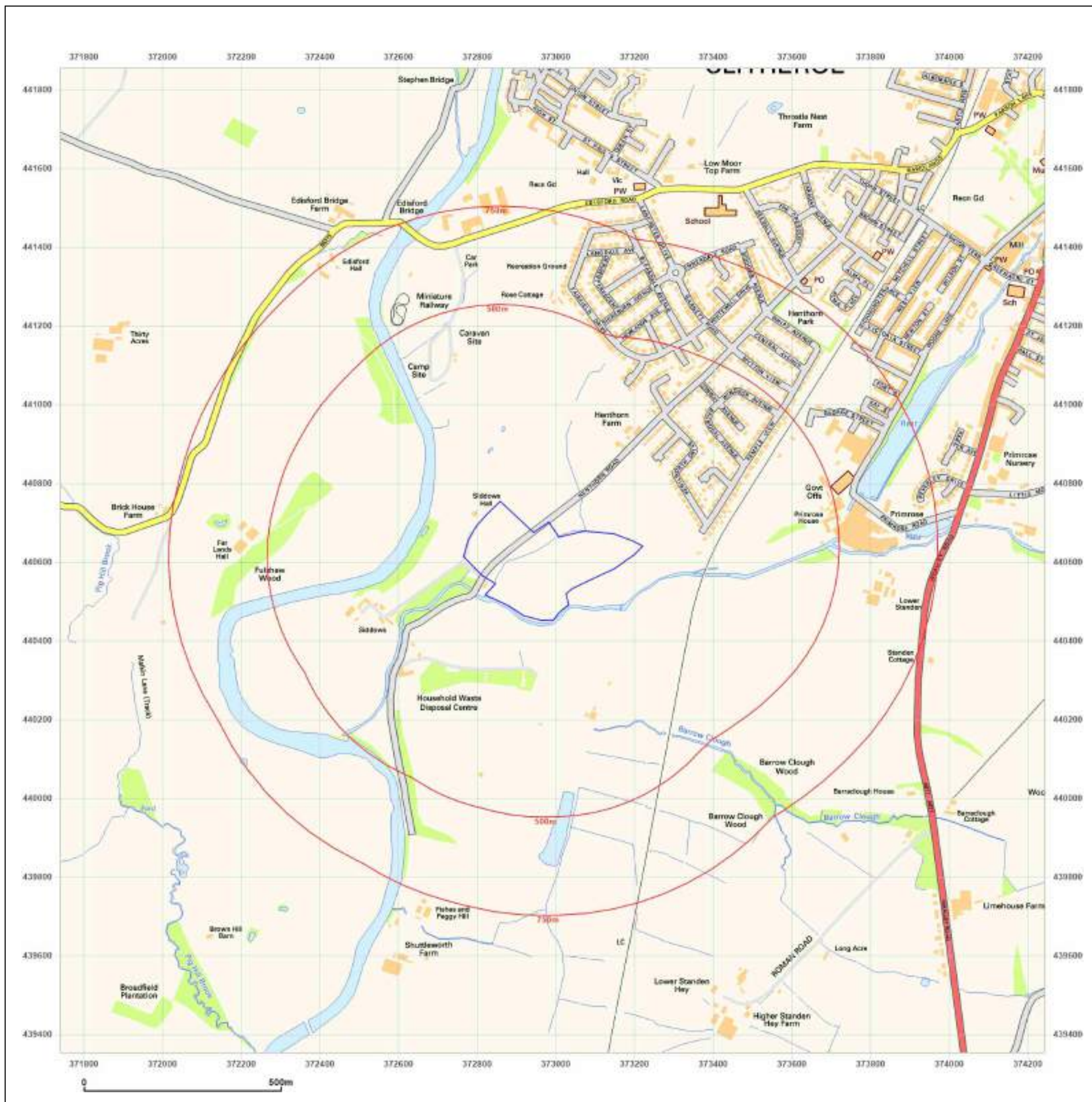


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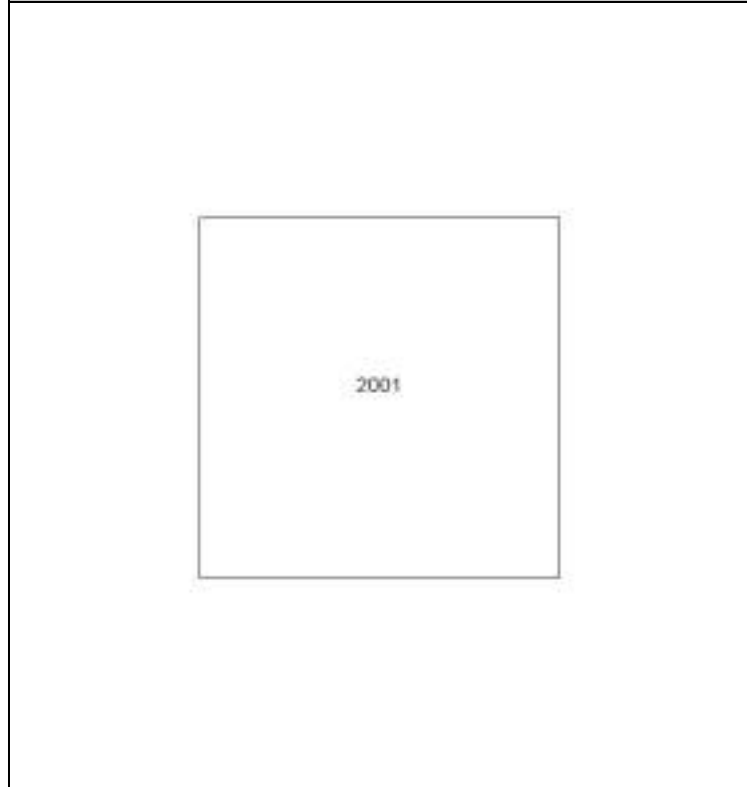


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Site Details:
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Report Ref: EMS-1001304_1267338
Grid Ref: 372992, 440604

Map Name: National Grid
Map date: 2001
Scale: 1:10,000
Printed at: 1:10,000



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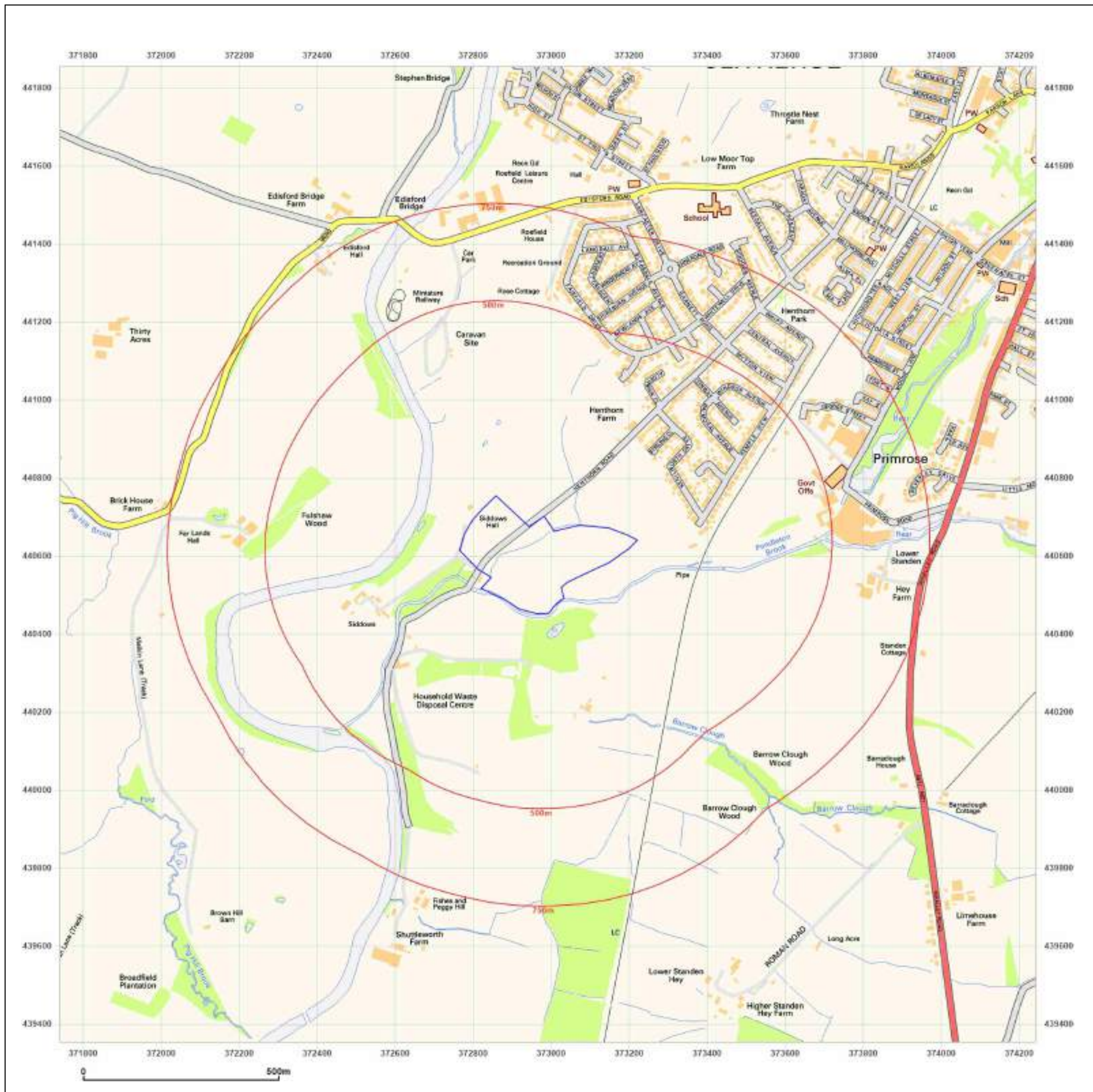


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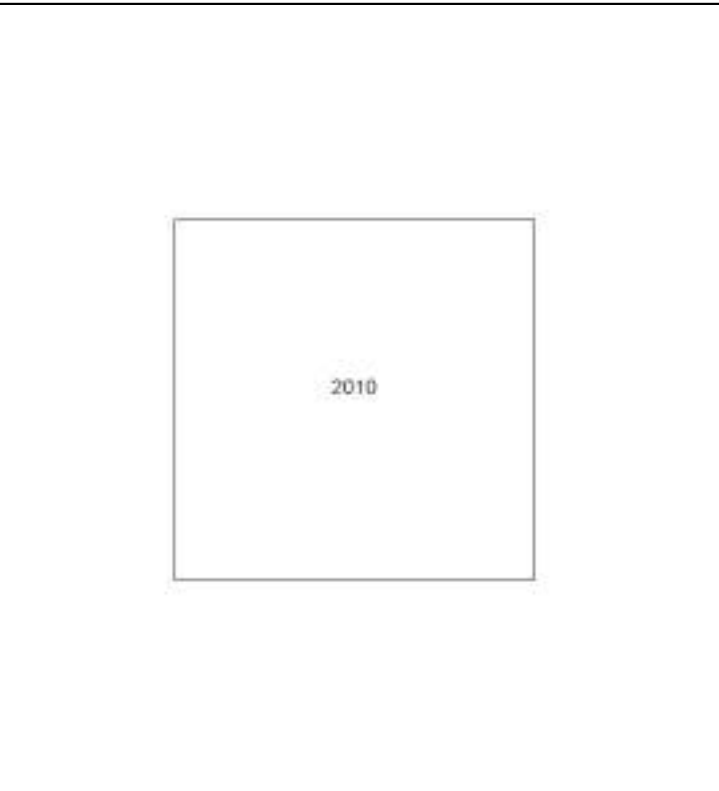
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Report Ref: EMS-1001304_1267338
Grid Ref: 372992, 440604

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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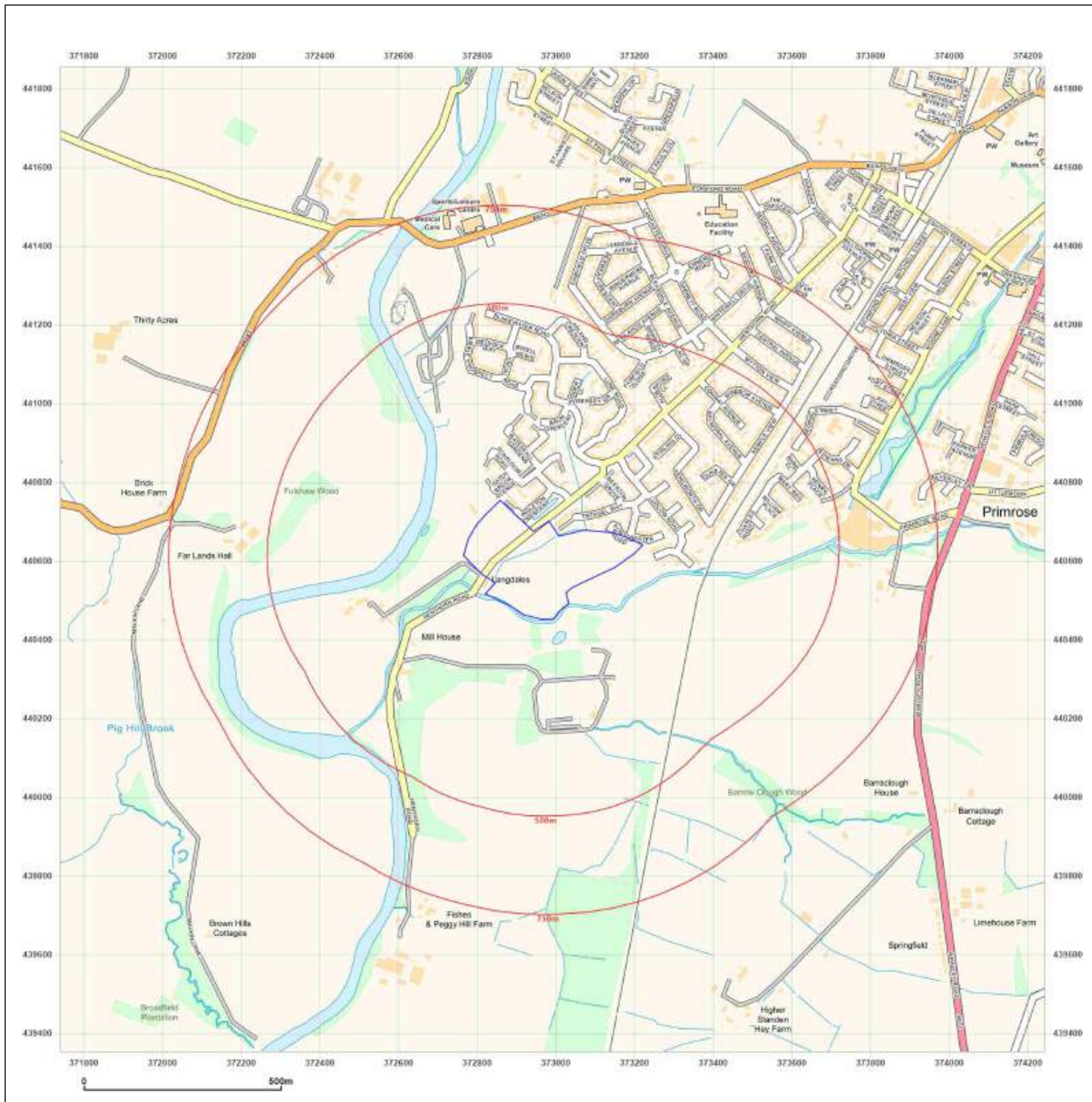
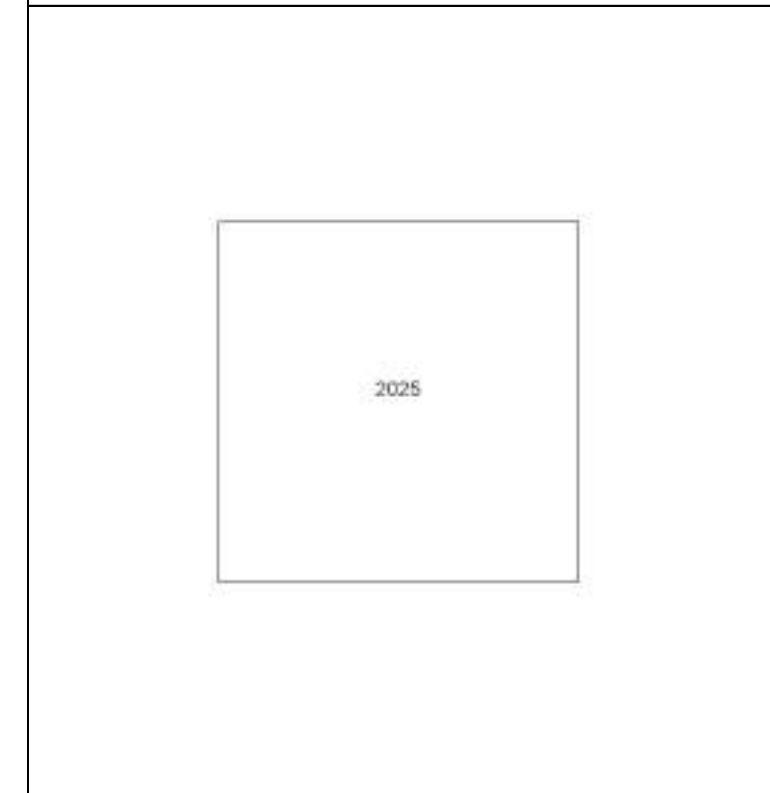
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Report Ref: EMS-1001304_1267338
Grid Ref: 372992, 440604

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000



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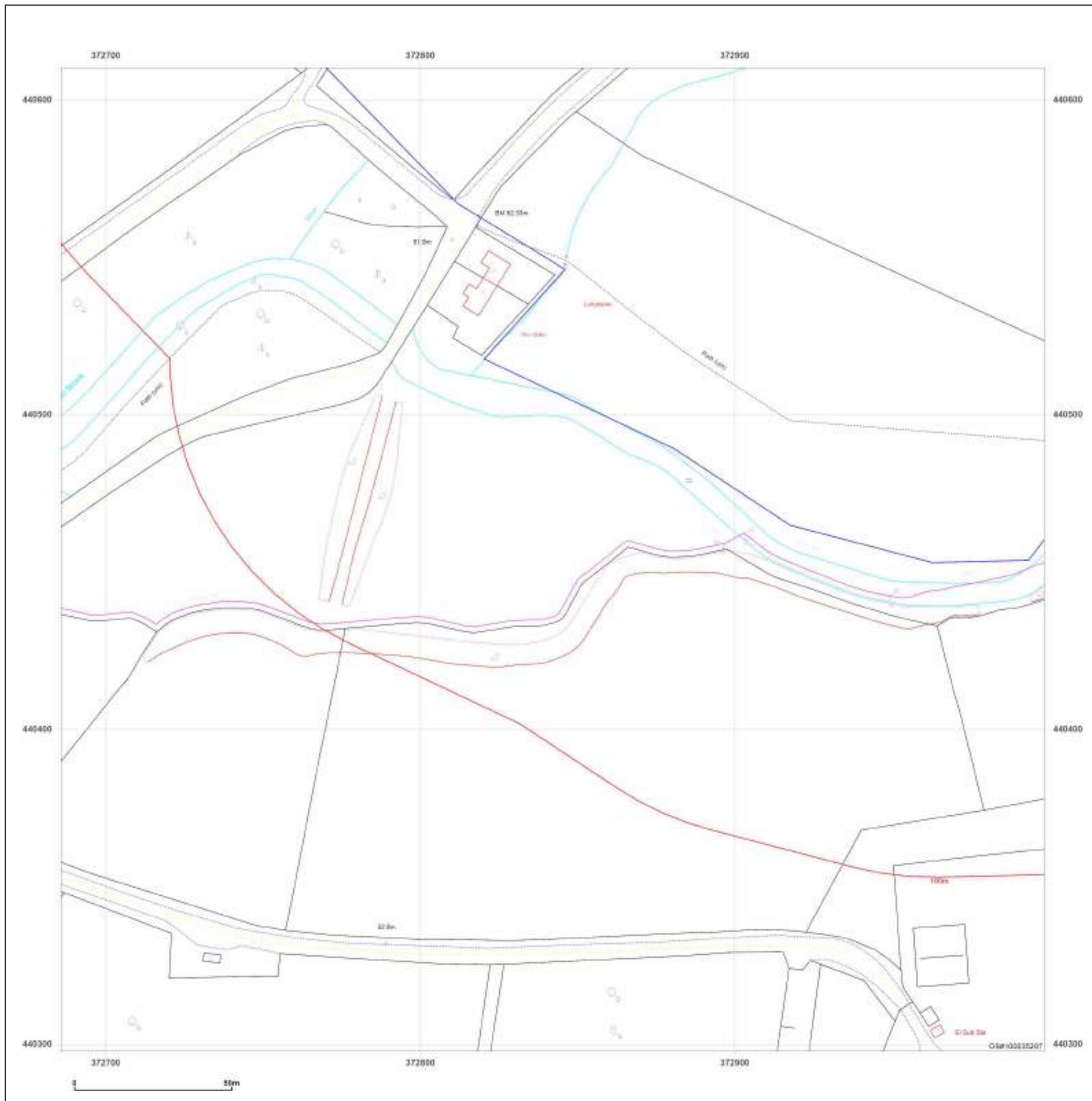


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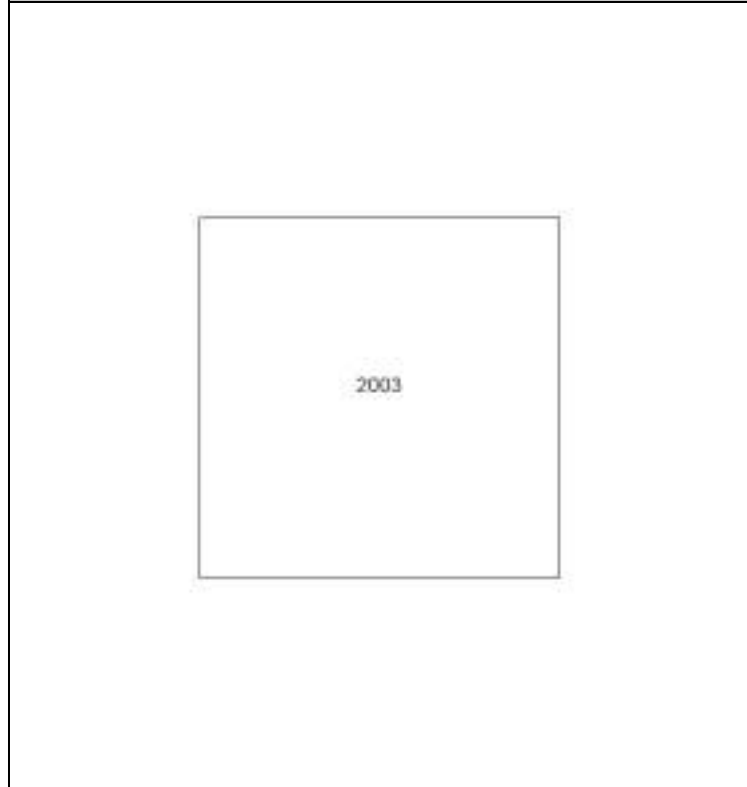
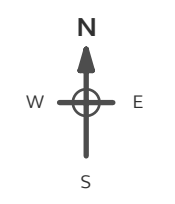
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Site Details:
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Report Ref: EMS-1001304_1267338_Landline_1_1
Grid Ref: 372842, 440454

Map Name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250



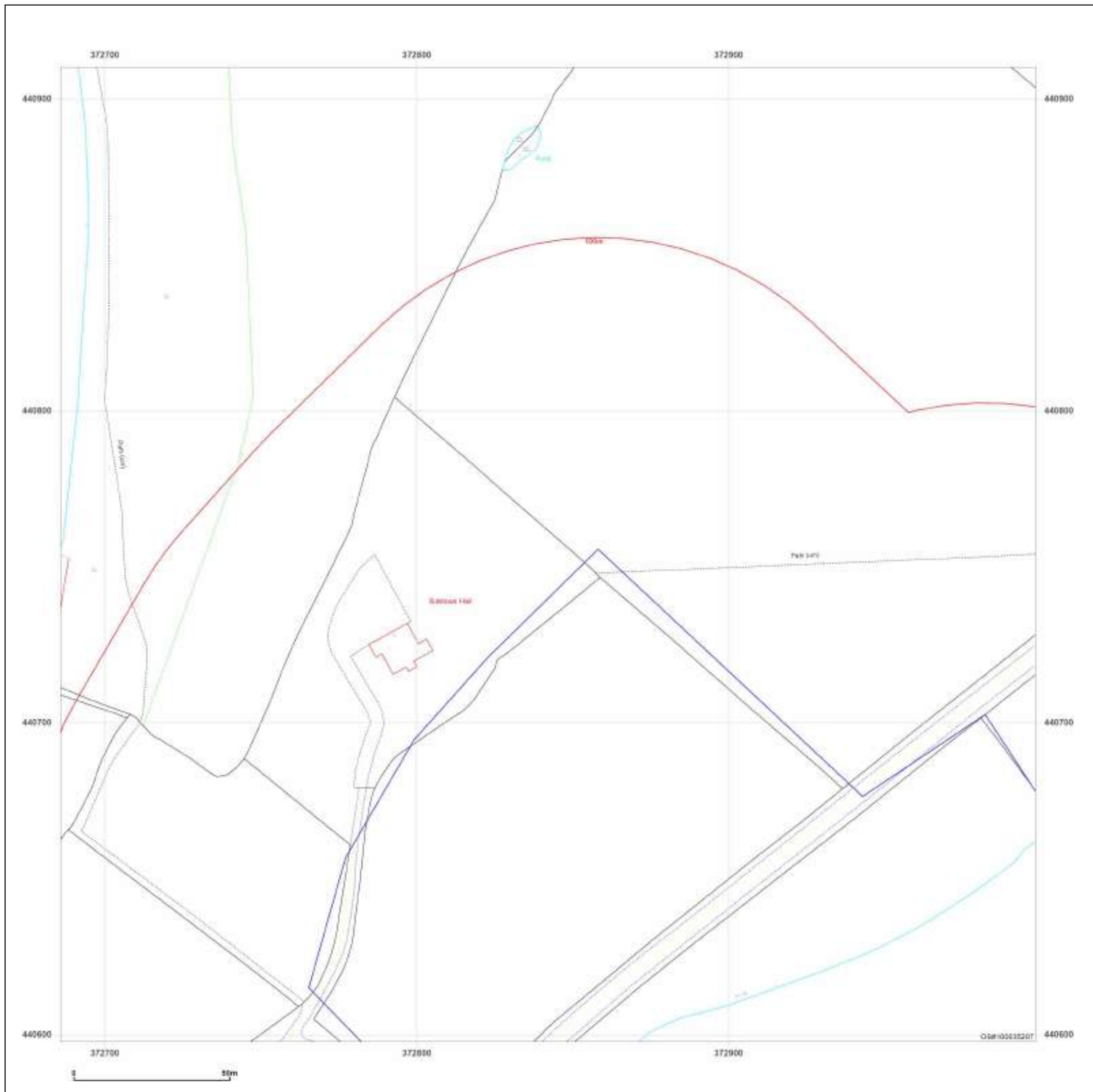
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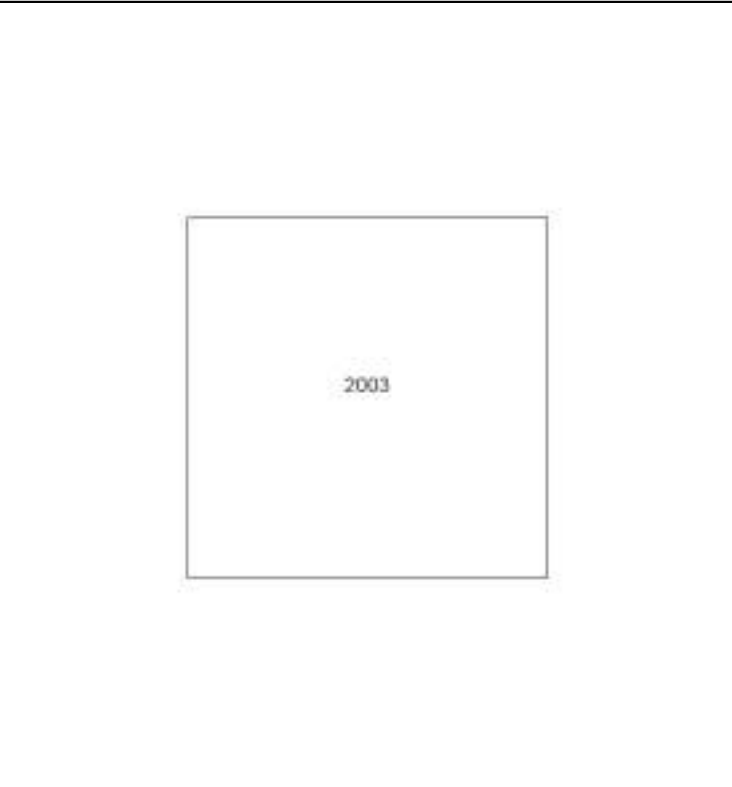
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Grid Ref: 372842, 440754

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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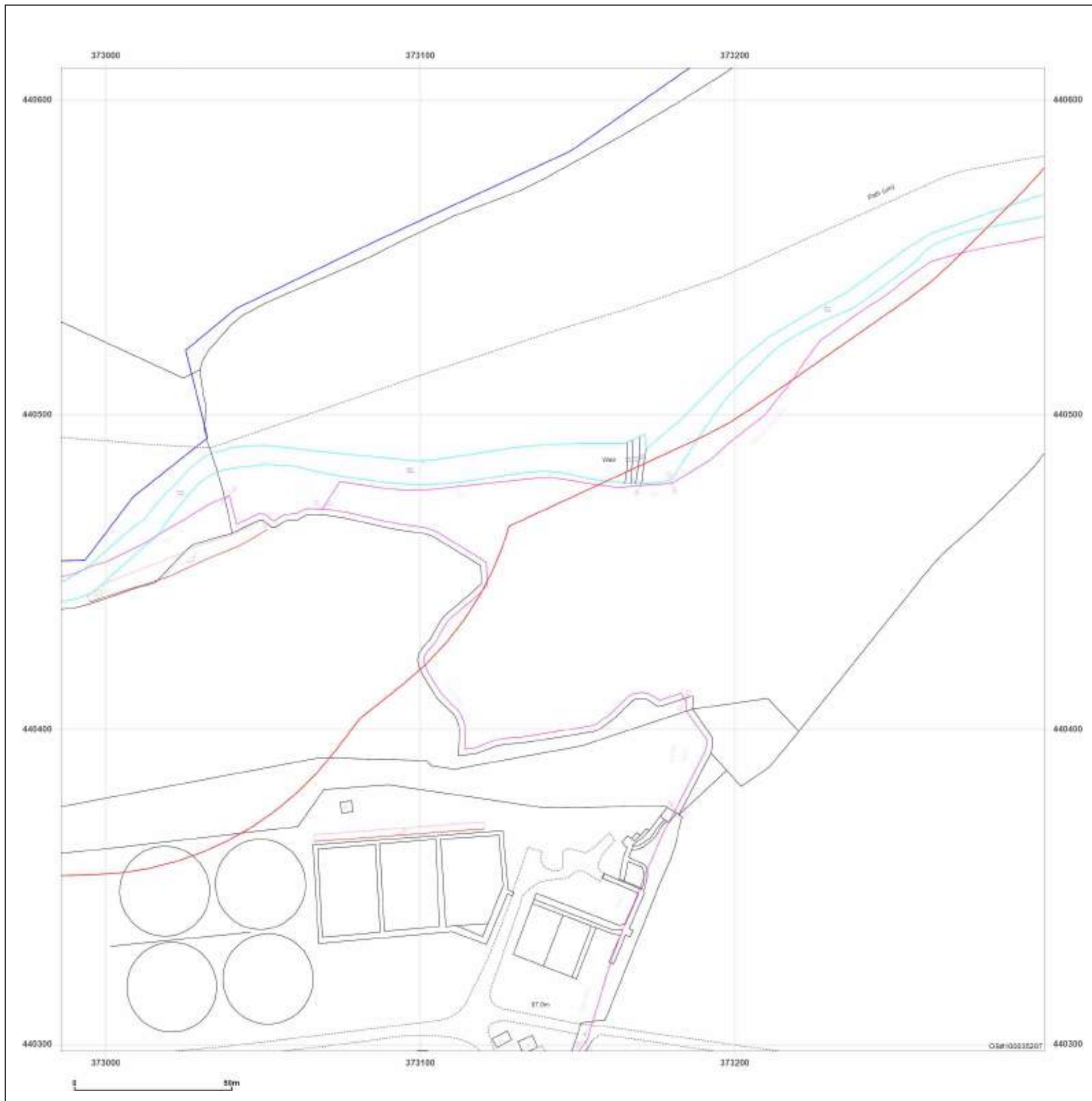


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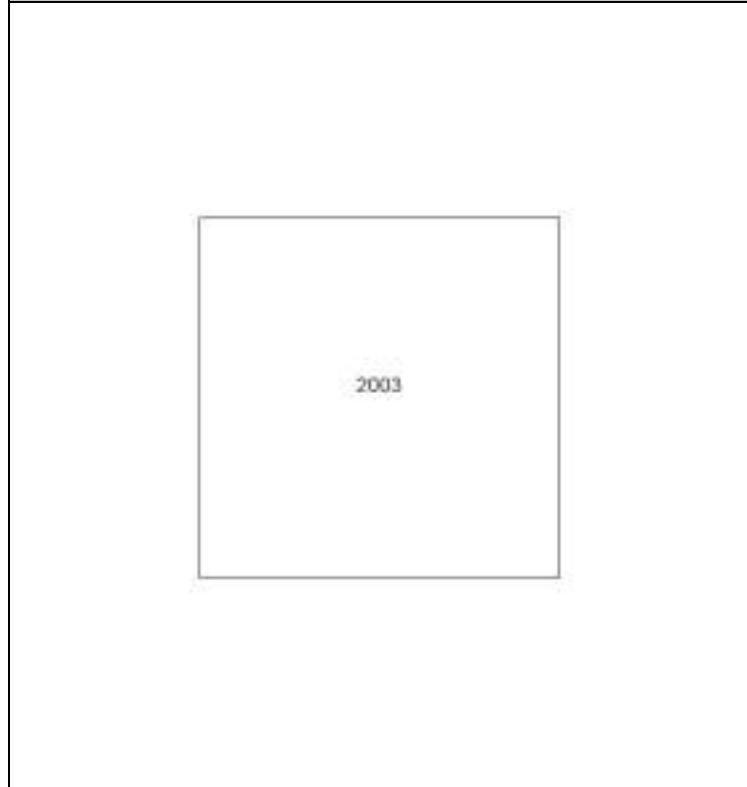
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Report Ref: EMS-1001304_1267338_Landline_2_1
Grid Ref: 373142, 440454

Map Name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250

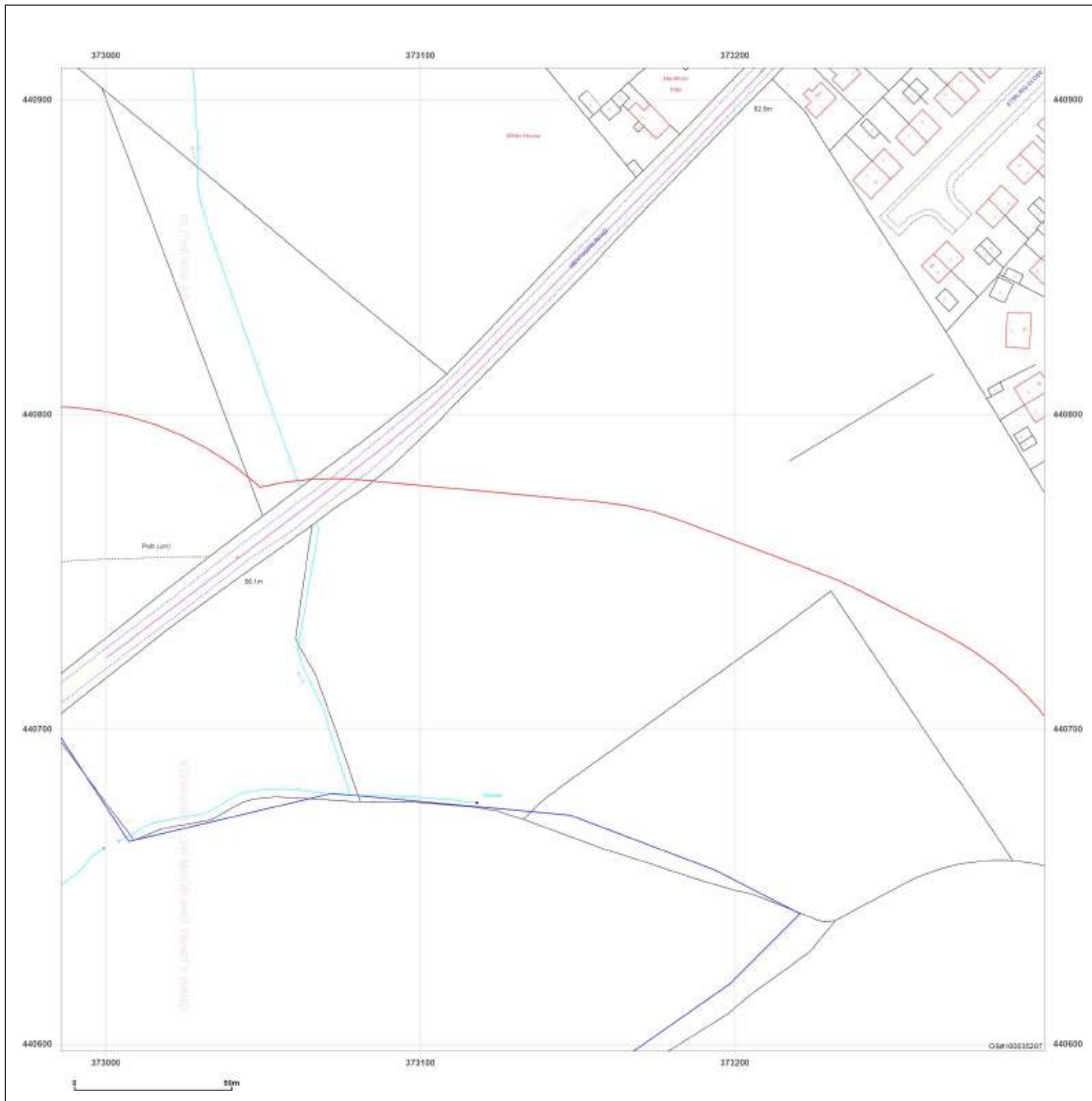


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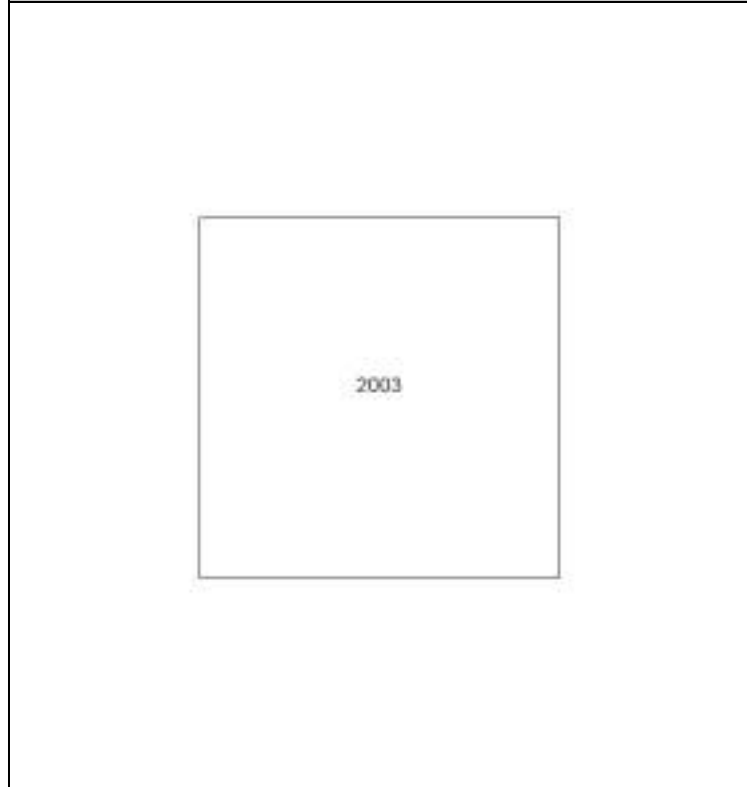
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Site Details:
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Report Ref: EMS-1001304_1267338_Landline_2_2
Grid Ref: 373142, 440754

Map Name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250



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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: County Series

Map date: 1884

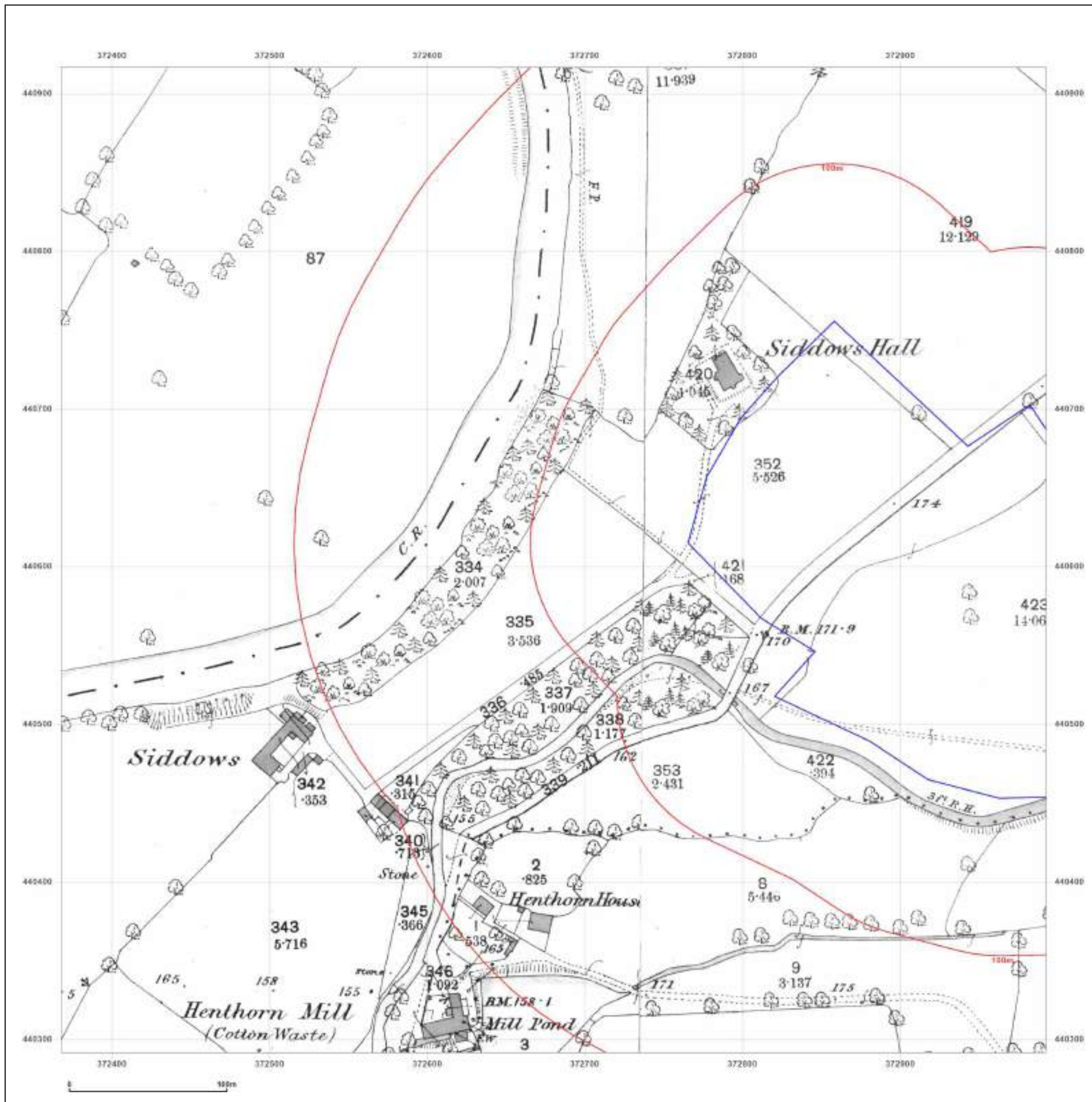
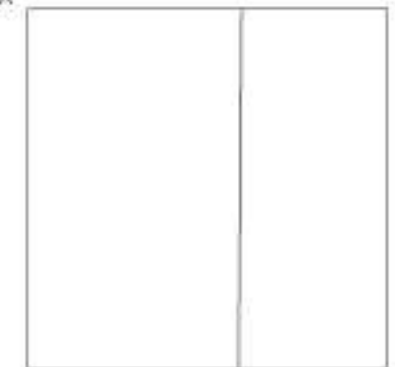
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Surveyed 1884
 Revised 1884
 Edition N/A
 Copyright N/A
 Levelled N/A

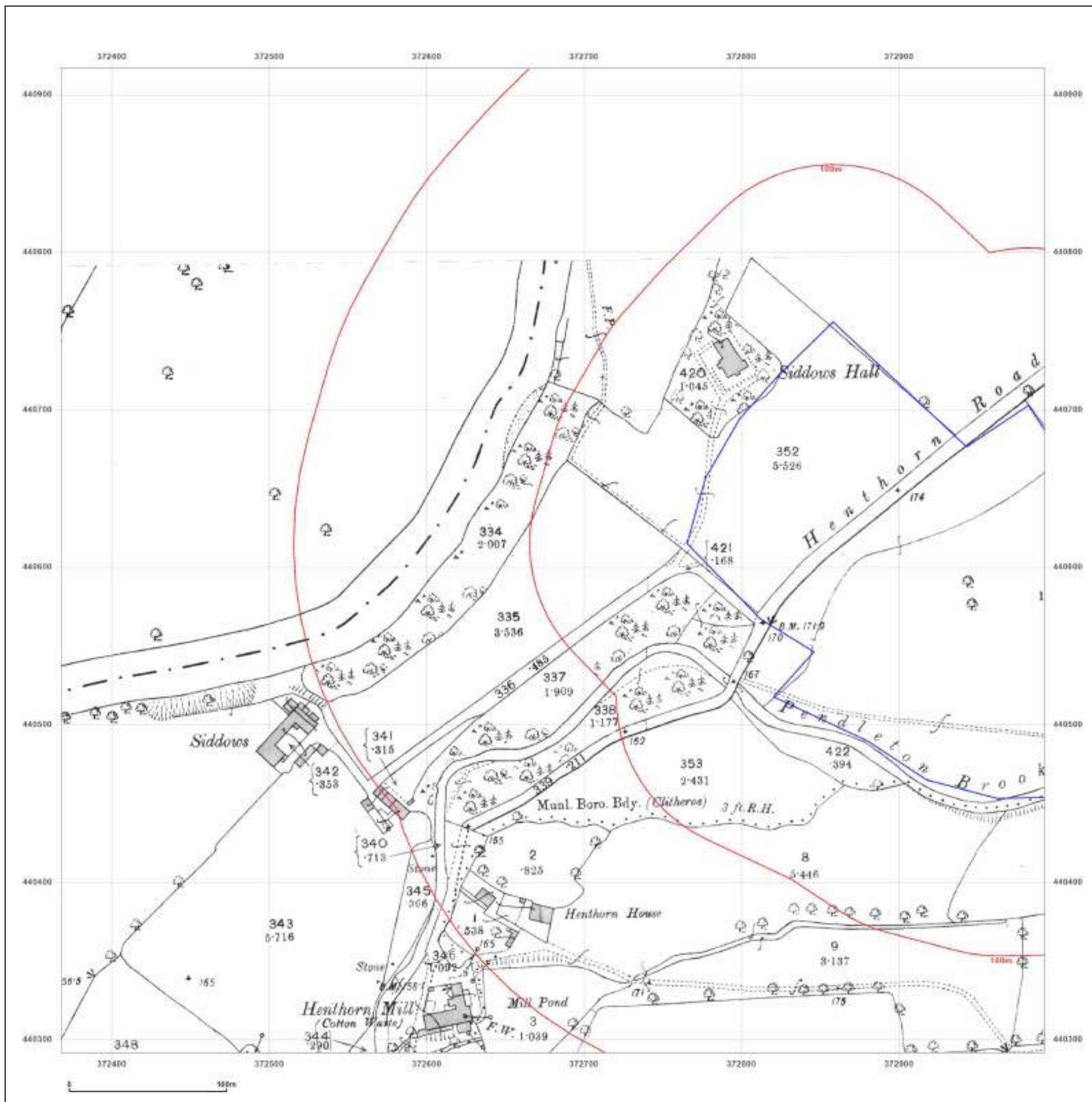
Surveyed 1884
 Revised 1884
 Edition N/A
 Copyright N/A
 Levelled N/A



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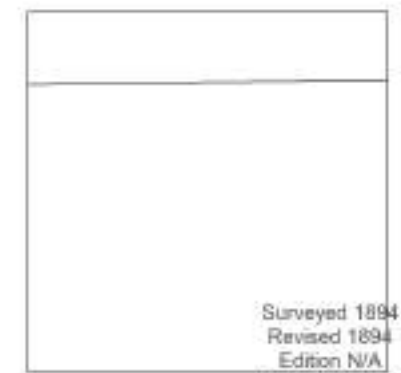
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Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: County Series

Map date: 1894

Scale: 1:2,500

Printed at: 1:2,500



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



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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: County Series

Map date: 1908

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1908
 Revised 1908
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1908
 Revised 1908
 Edition N/A
 Copyright N/A
 Levelled N/A



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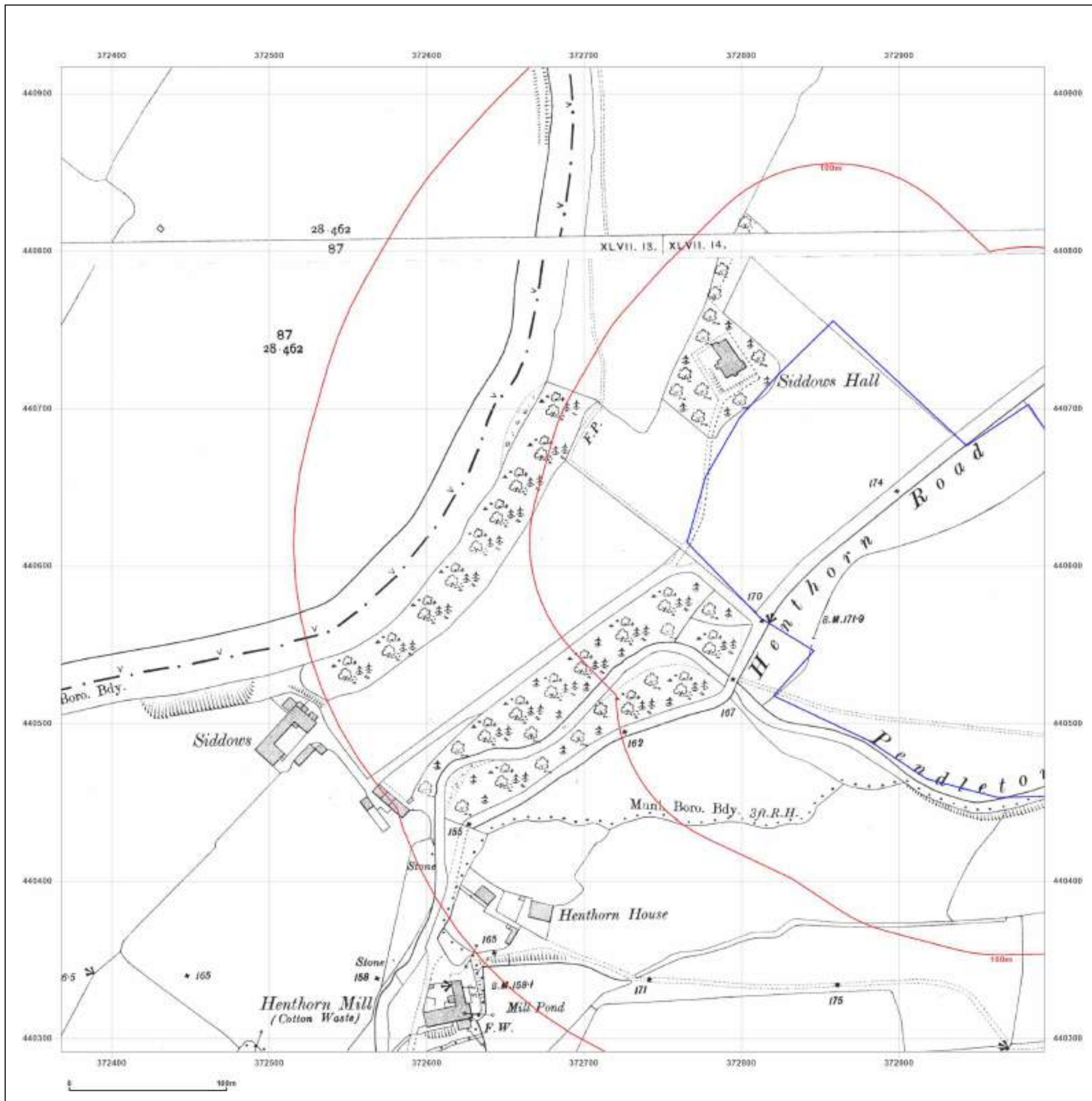


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Site Details:

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Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: County Series

Map date: 1912

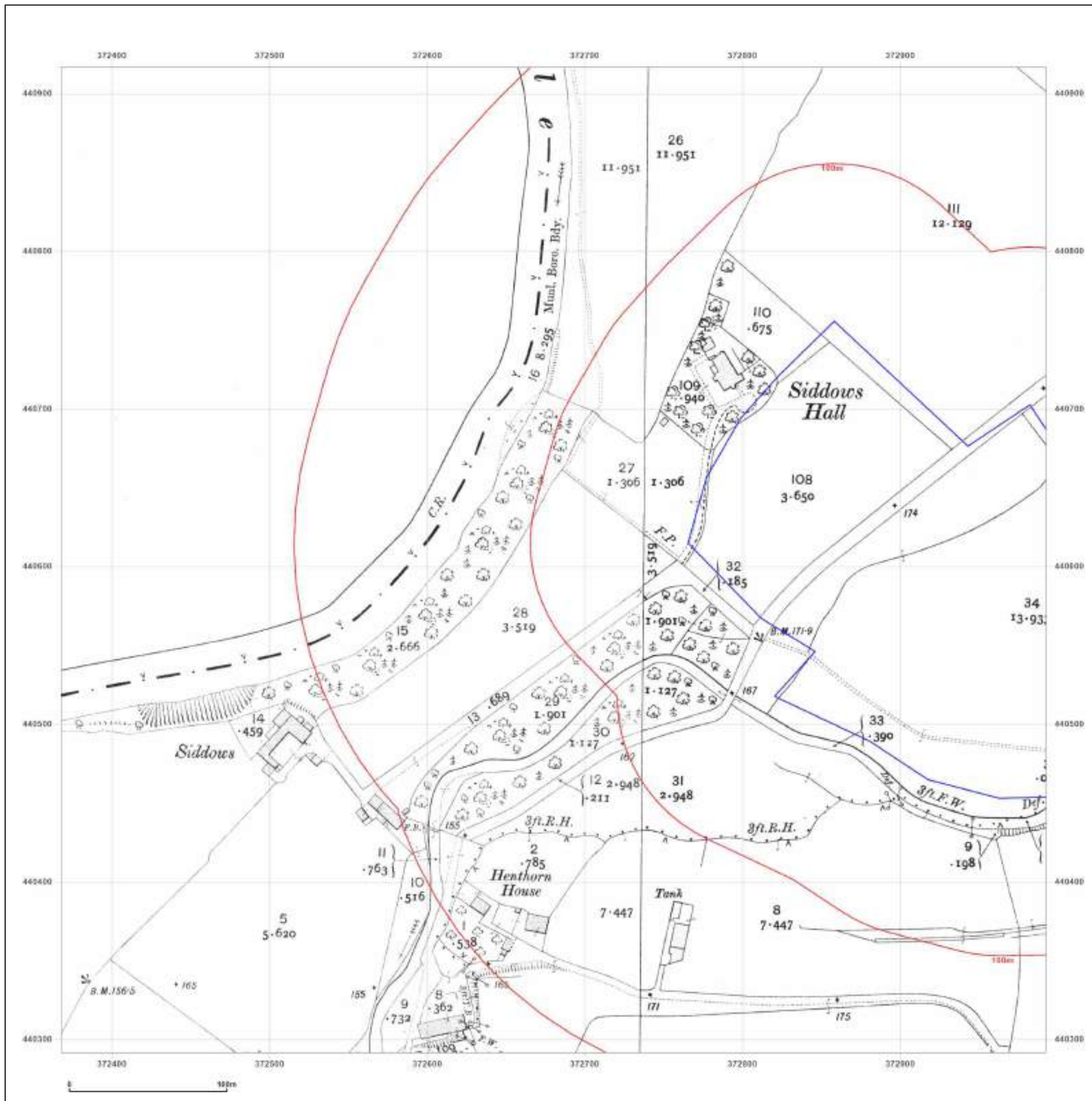
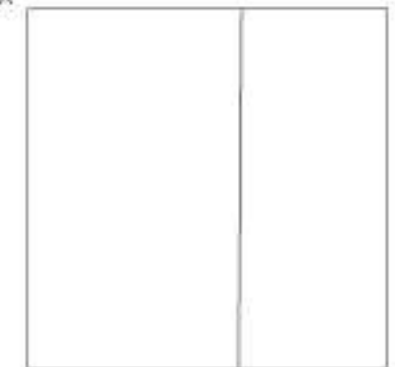
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Surveyed 1912
Revised 1912
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1912
Revised 1912
Edition N/A
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Site Details:

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Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: County Series

Map date: 1932

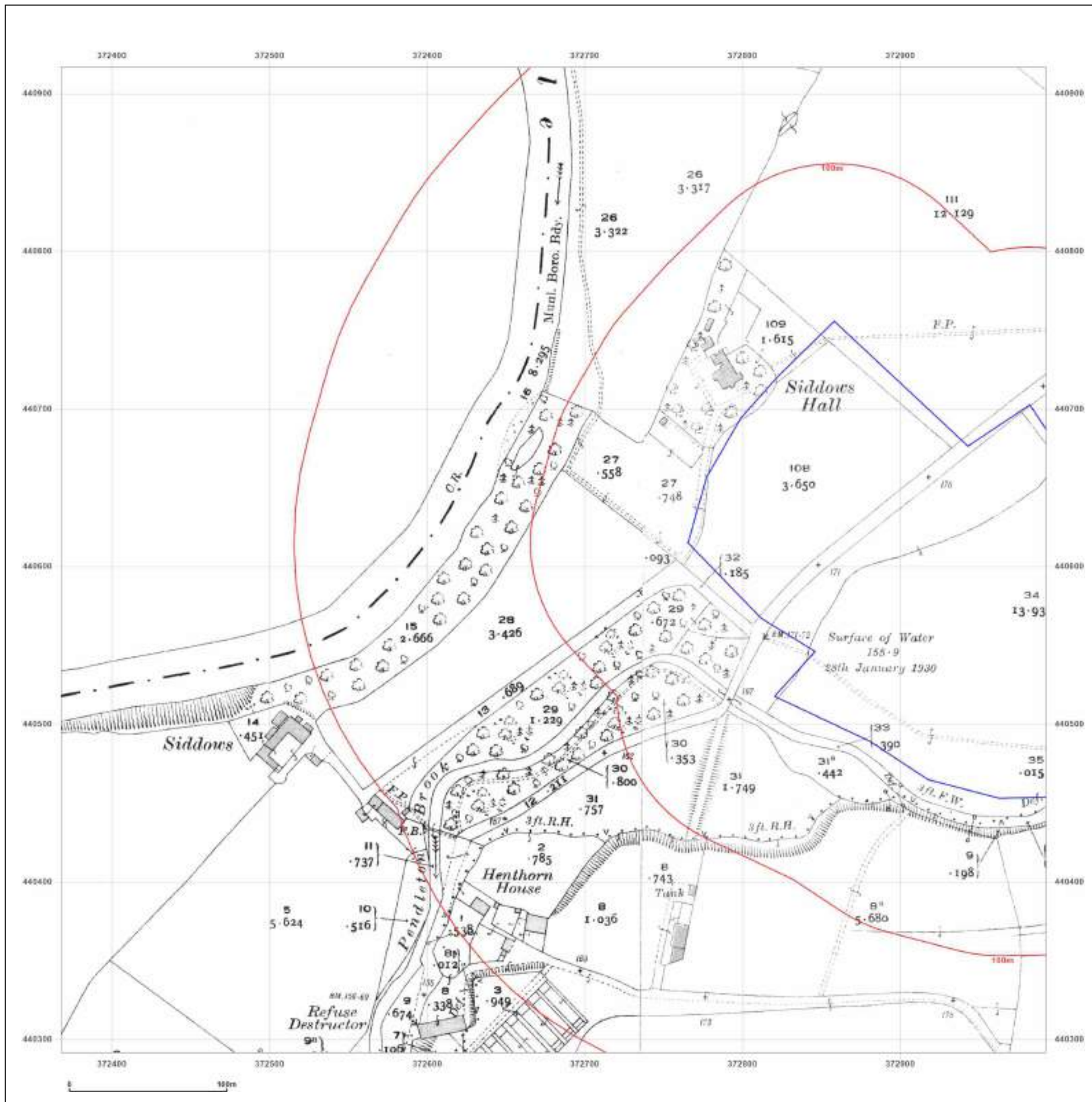
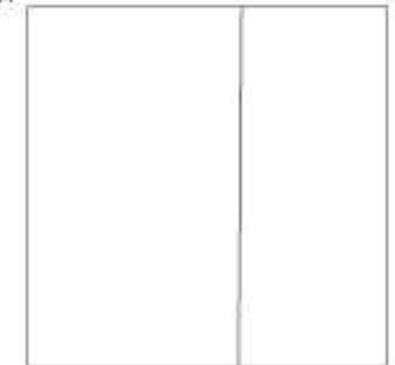
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Surveyed 1932
 Revised 1932
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1932
 Revised 1932
 Edition N/A
 Copyright N/A
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Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: National Grid

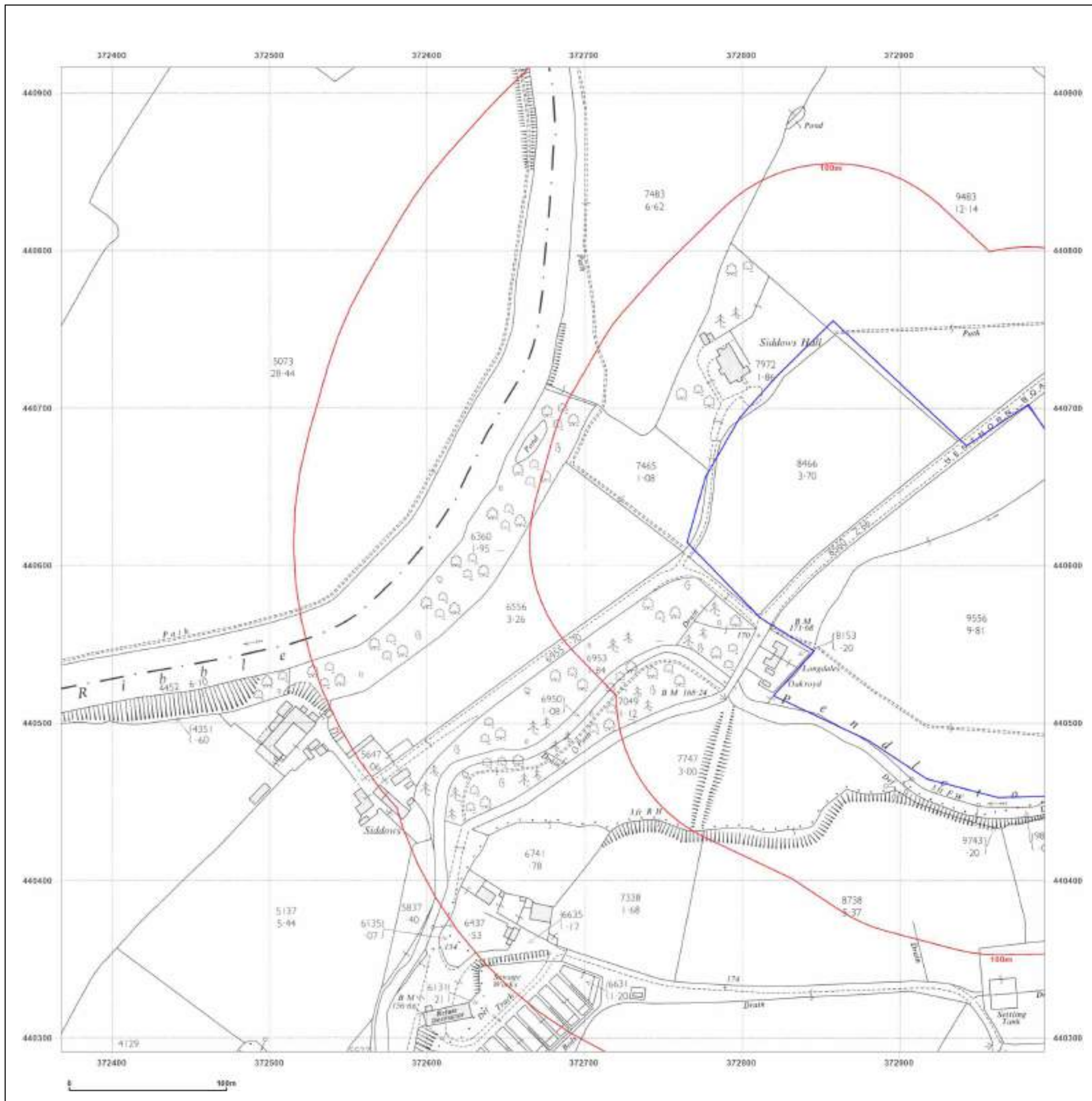
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Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1964
Revised 1964
Edition N/A
Copyright 1964
Levelled 1961



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Site Details:

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Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: National Grid

Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



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



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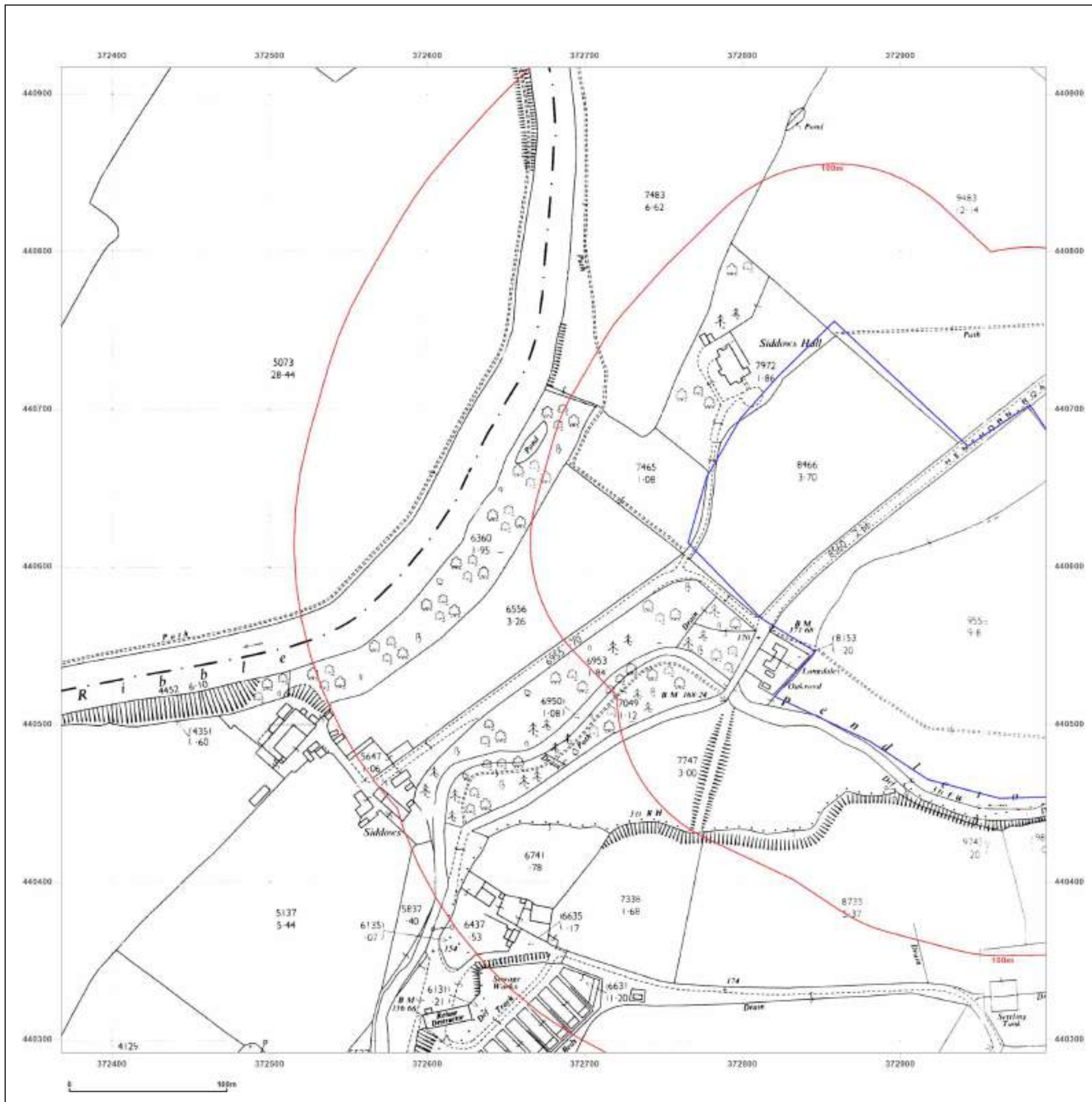


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Site Details:

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Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_1_1
Grid Ref: 372680, 440604

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1993
 Revised N/A
 Edition N/A
 Copyright 1993
 Levelled N/A



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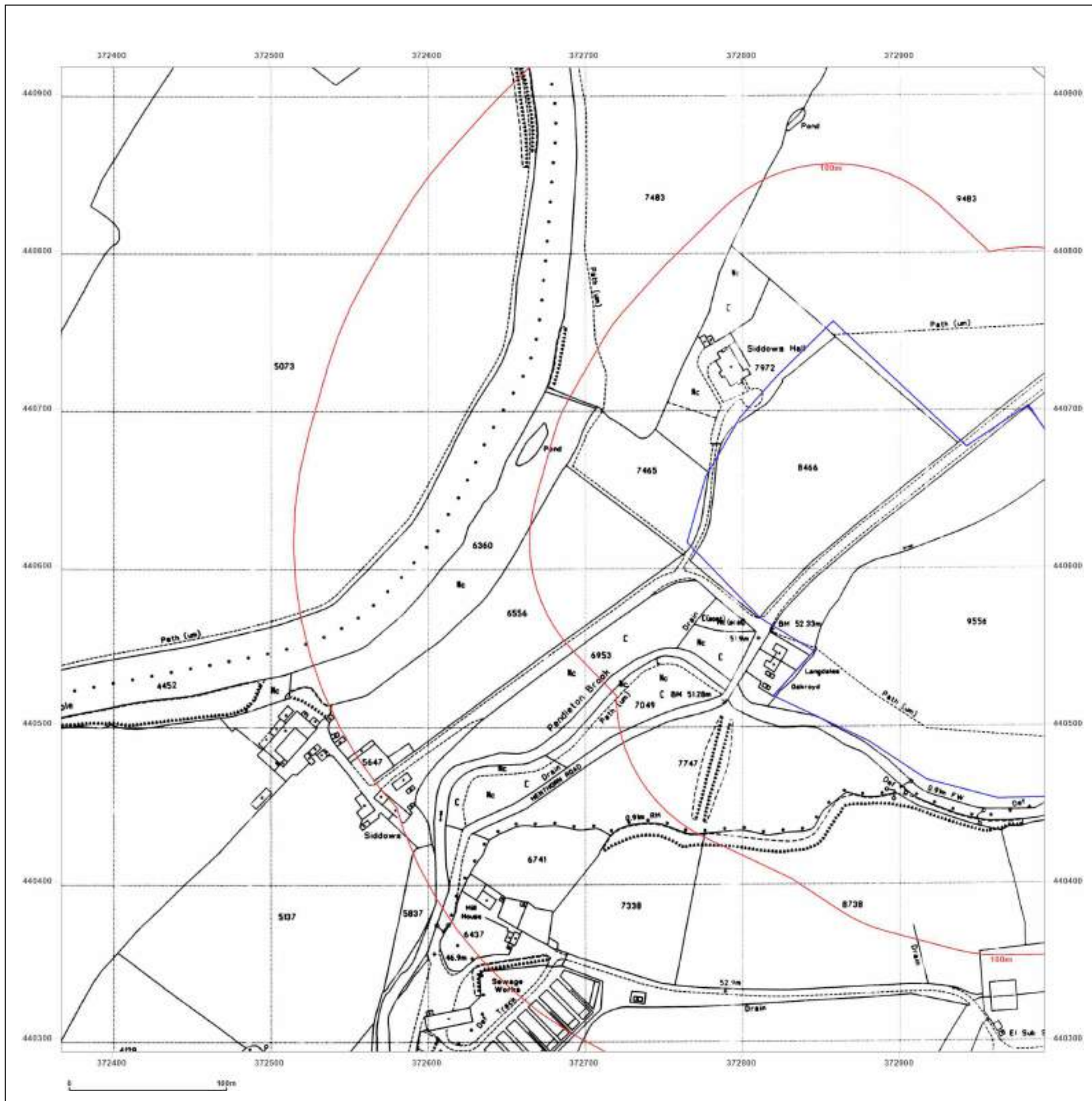


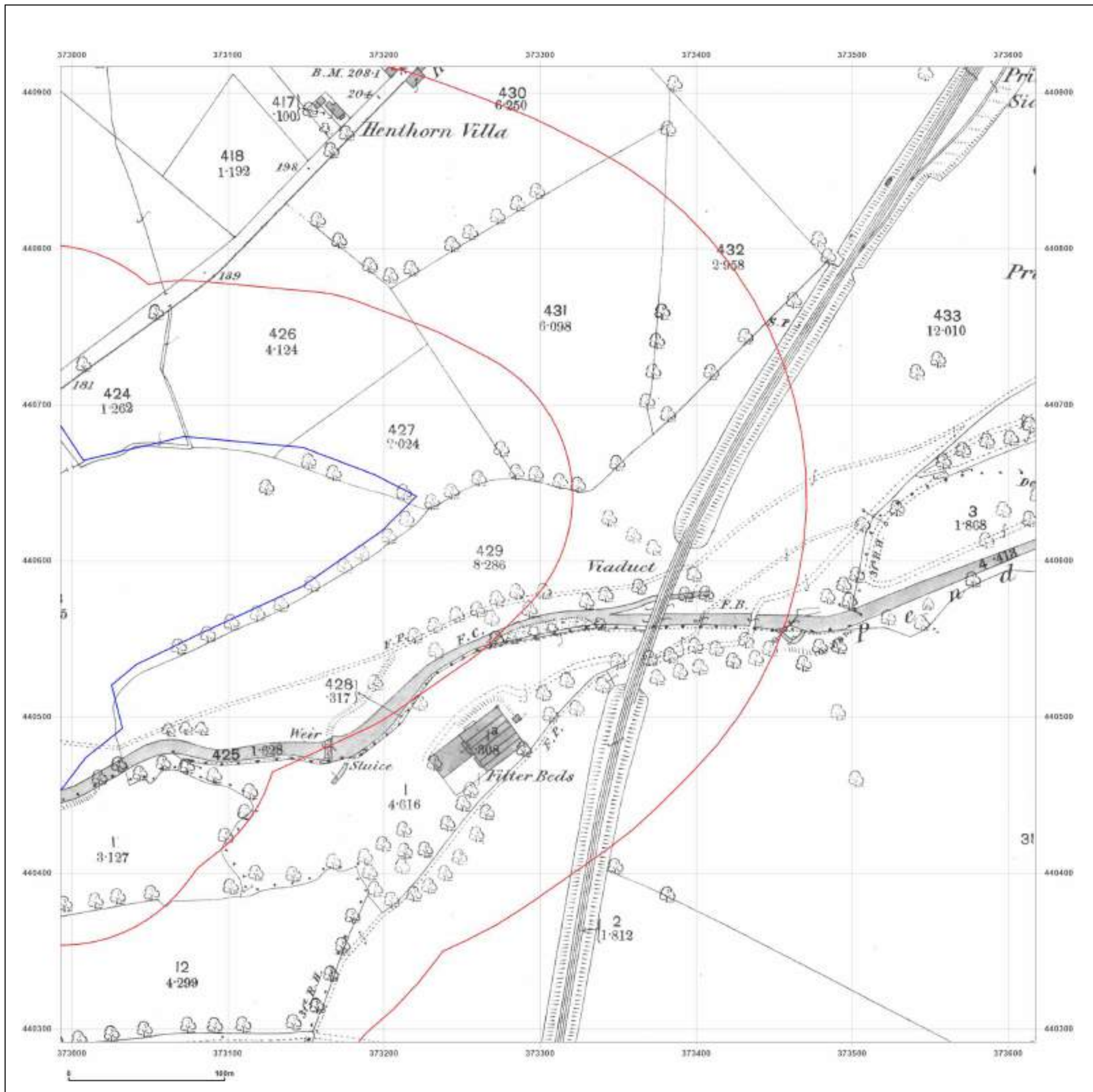
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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: County Series

Map date: 1884

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1884
 Revised 1884
 Edition N/A
 Copyright N/A
 Levelled N/A



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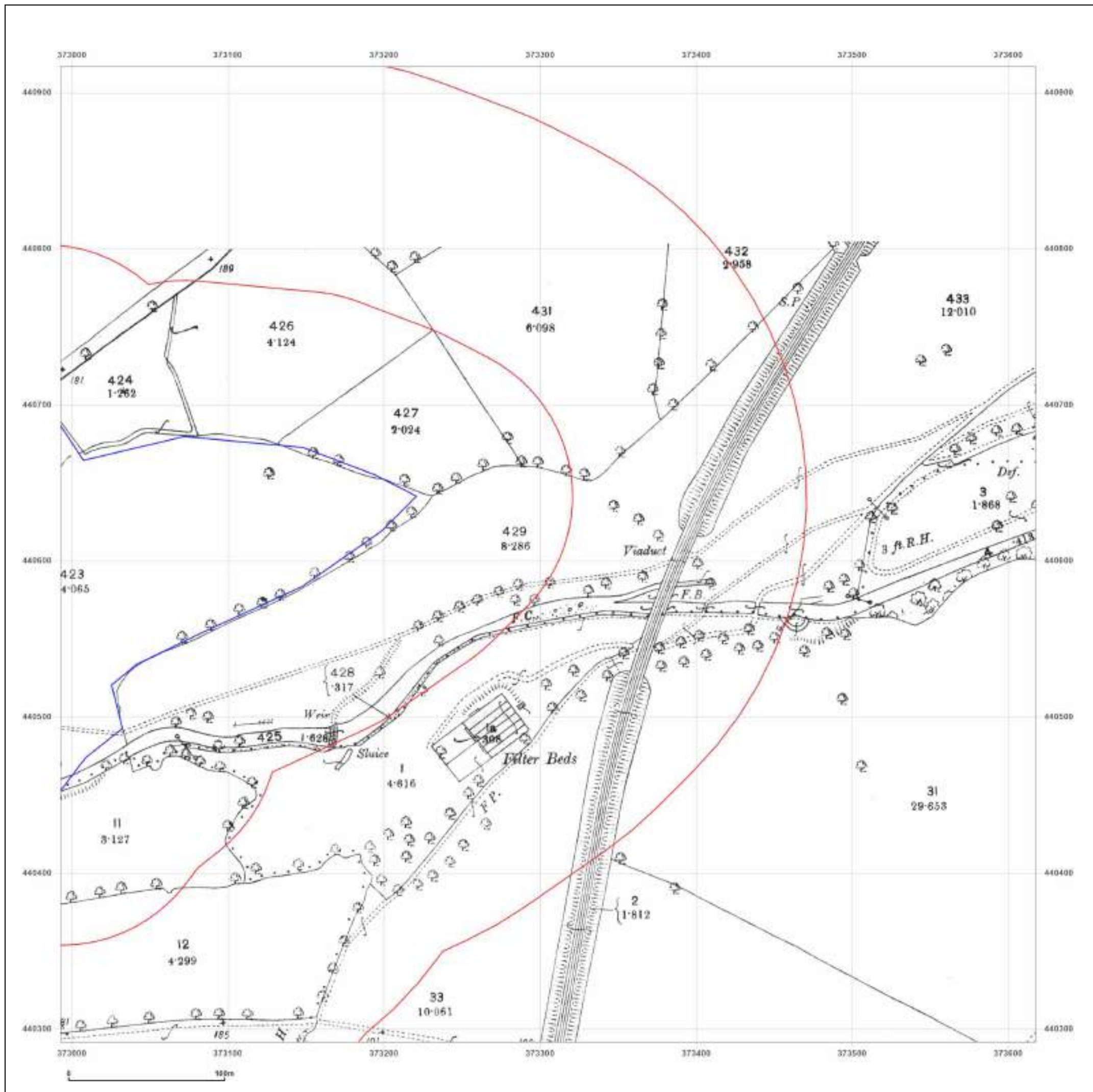


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Site Details:

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Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604


Map Name: County Series

Map date: 1894

Scale: 1:2,500

Printed at: 1:2,500





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



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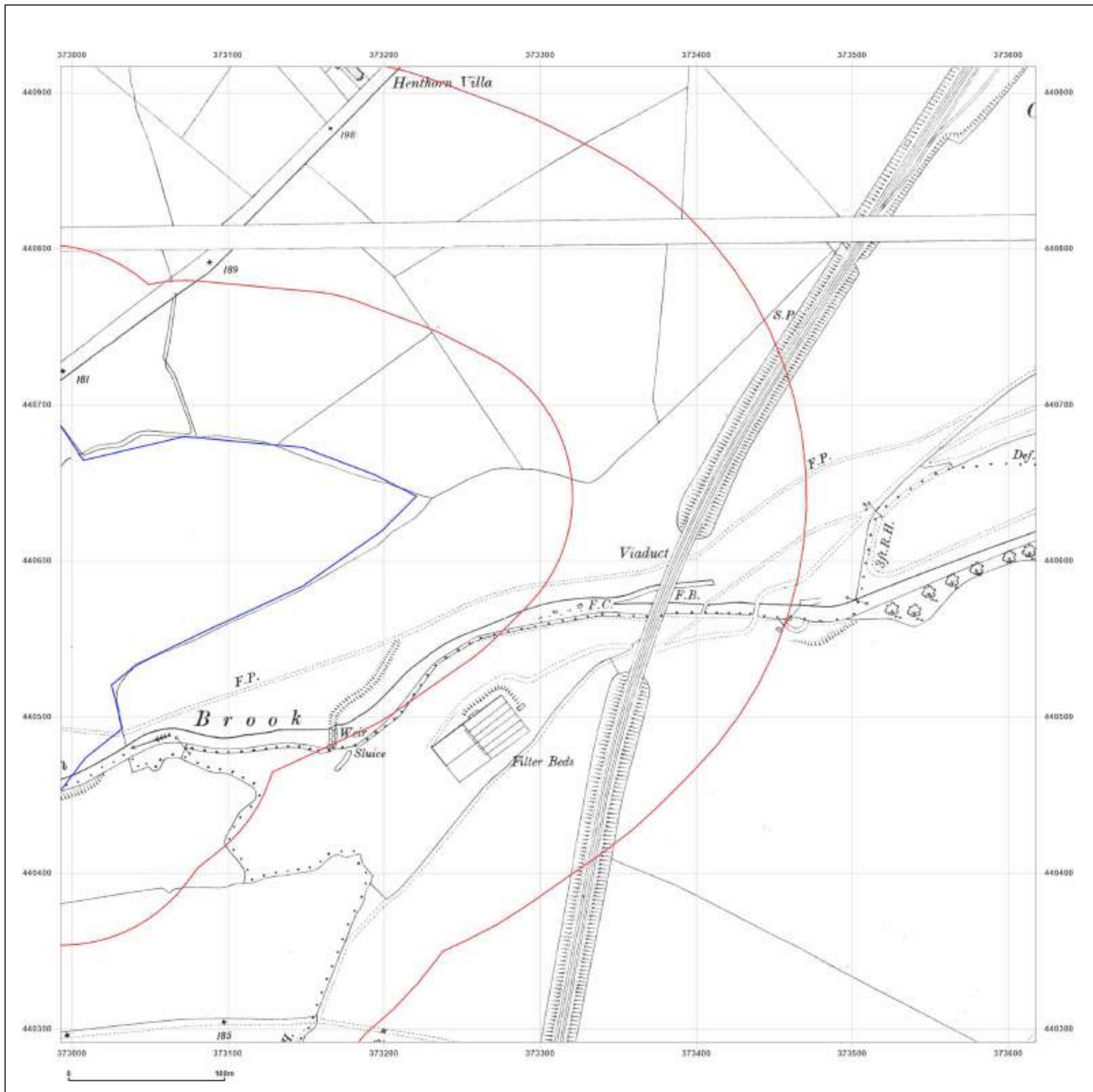


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Site Details:

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Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: County Series

Map date: 1908

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1908
 Revised 1908
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1908
 Revised 1908
 Edition N/A
 Copyright N/A
 Levelled N/A



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Grid Ref: 373305, 440604

Map Name: County Series

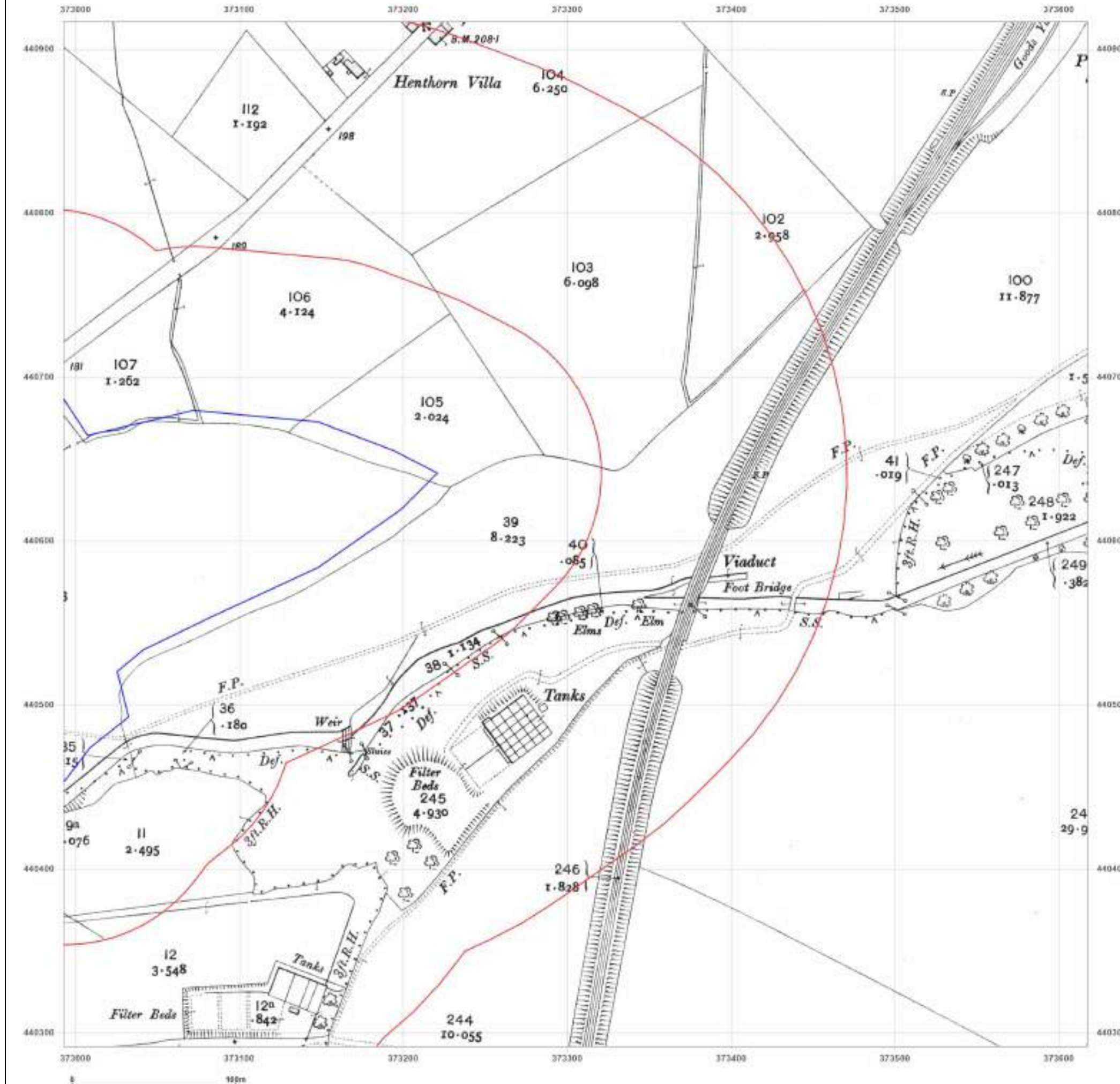
Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500



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



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Report Ref: EMS-1001304_1267338_LS_2_1
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Map Name: County Series

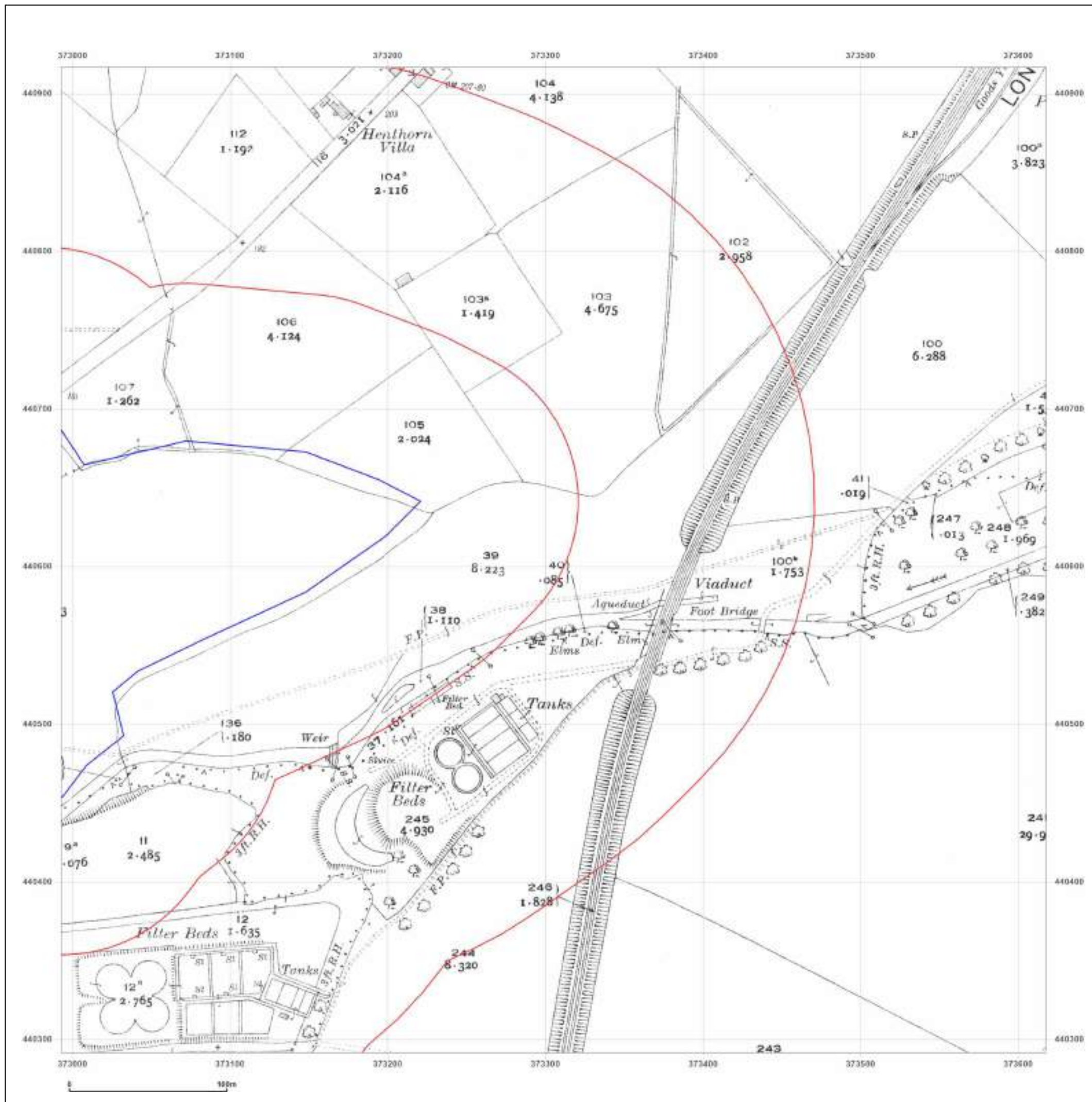
Map date: 1932

Scale: 1:2,500

Printed at: 1:2,500



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



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Site Details:

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Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: National Grid

Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1964
 Revised 1964
 Edition N/A
 Copyright 1964
 Levelled 1961



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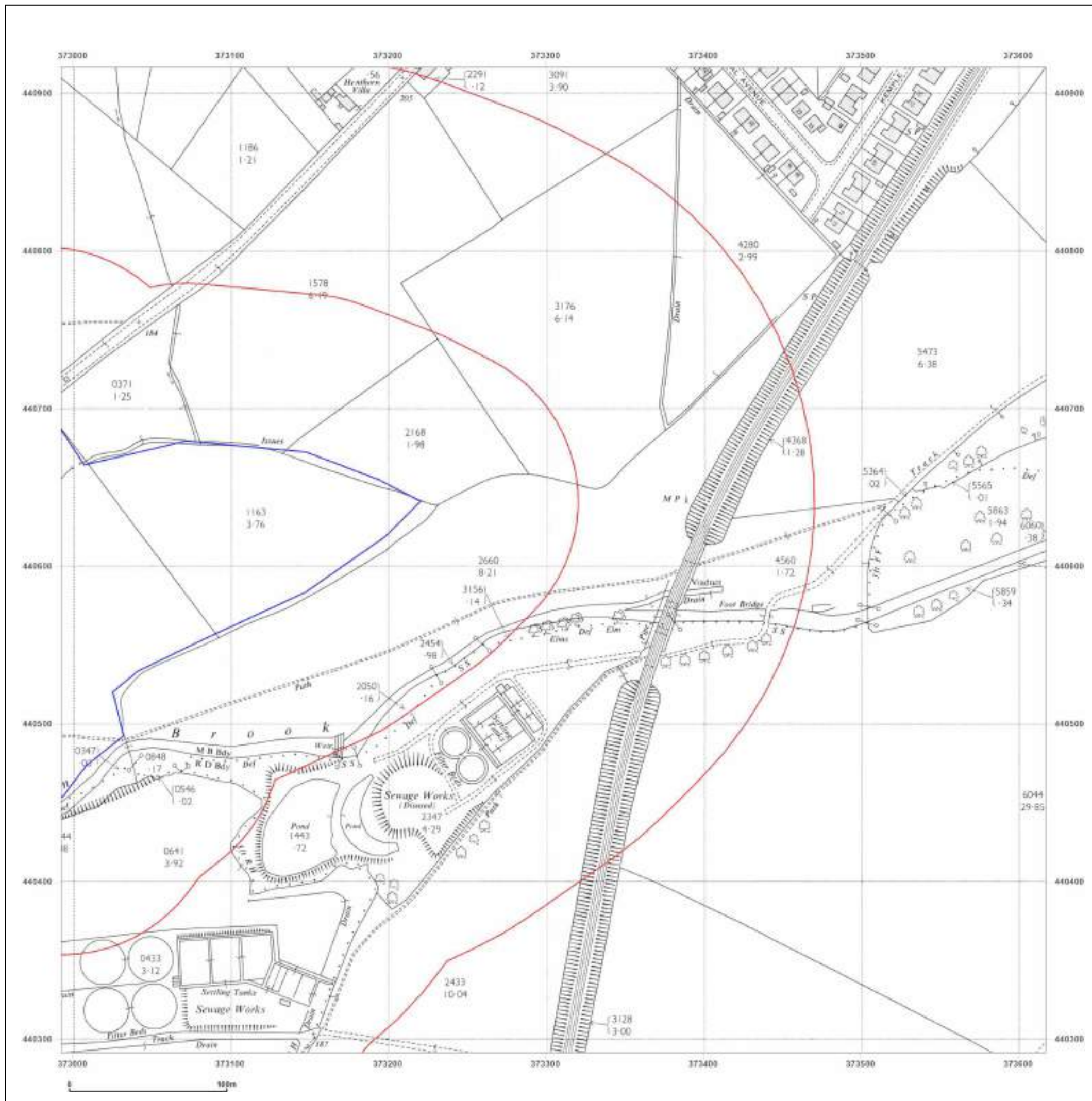


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Site Details:

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Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: National Grid

Map date: 1964

Scale: 1:2,500

Printed at: 1:2,500



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



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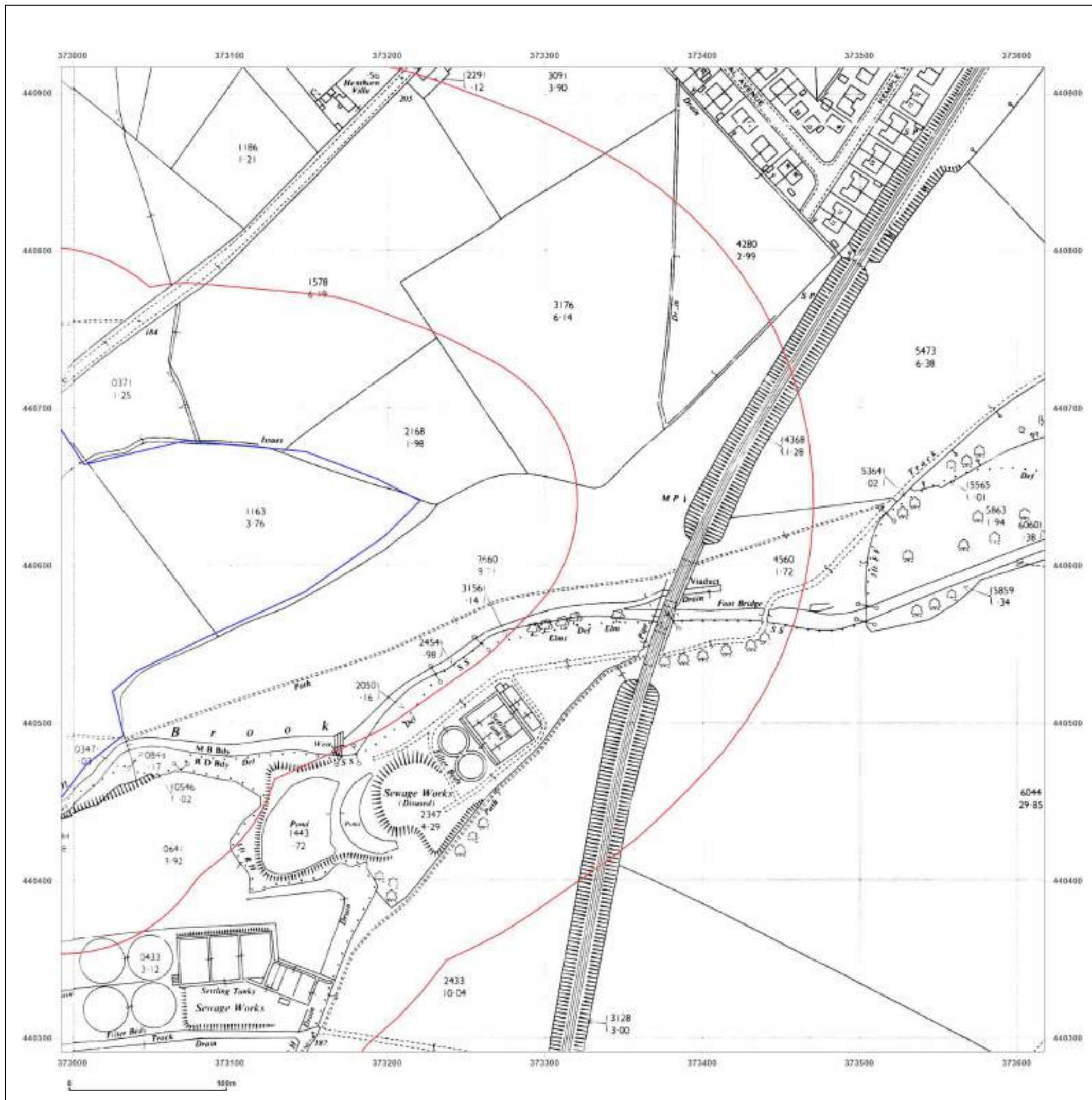


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Map legend available at:
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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: National Grid

Map date: 1978

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1977
 Revised 1977
 Edition N/A
 Copyright 1978
 Levelled 1961



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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



| | |
|----------------|----------------|
| Surveyed 1993 | Surveyed 1993 |
| Revised N/A | Revised N/A |
| Edition N/A | Edition N/A |
| Copyright 1993 | Copyright 1993 |
| Levelled N/A | Levelled N/A |



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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: National Grid

Map date: 1995

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1995
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A



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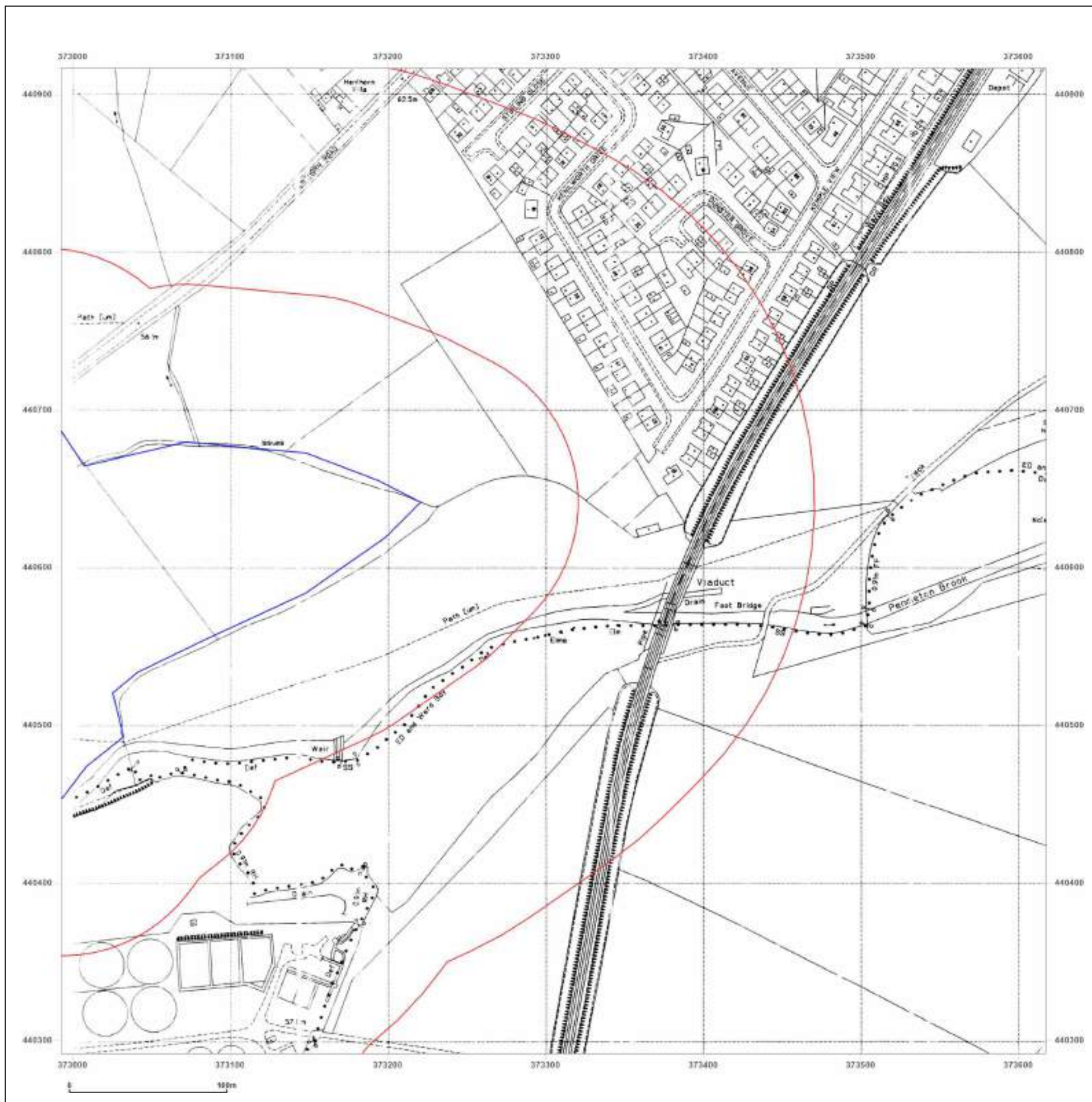


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Site Details:

unspecified

Client Ref: EMS_1001304_1247621
Report Ref: EMS-1001304_1267338_LS_2_1
Grid Ref: 373305, 440604

Map Name: National Grid

Map date: 1995

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1995
Revised N/A
Edition N/A
Copyright N/A
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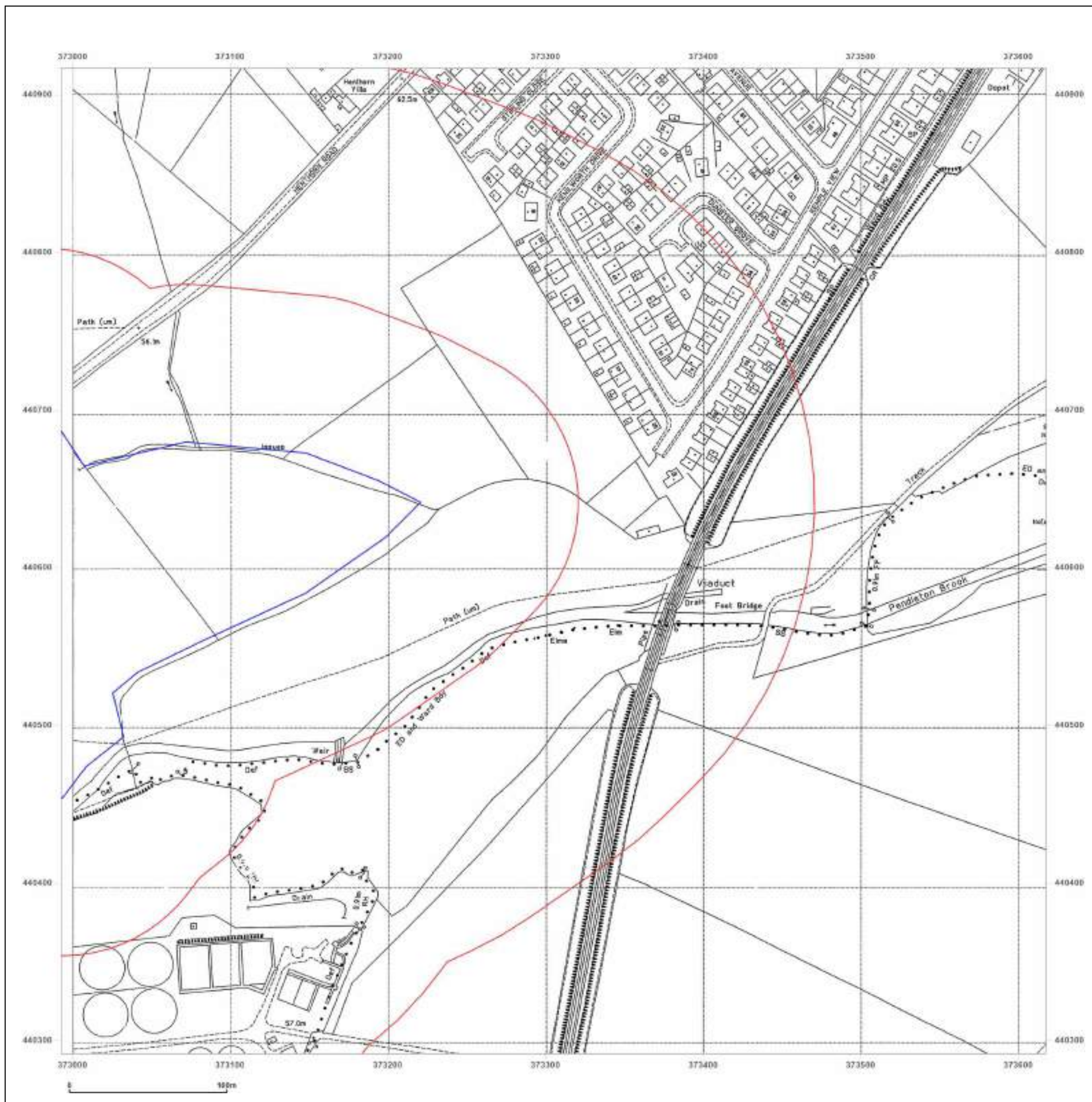


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Appendix 2 – Photographs



General Northern Site



Pembleton Brook



Southern Site



Drain On Southern Site Area



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- Waste and Mineral Planning**
- Flooding, Drainage and Hydrology**
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BRISTOL OFFICE

The Byre
Woodend Lane
Cromhall
Gloucestershire GL12 8AA
Tel: 01454 269 237

SHEFFIELD OFFICE

Samuel House
5 Fox Valley Way
Stocksbridge
Sheffield S36 2AA
Tel: 0114 321 5151

MANCHESTER OFFICE

Ducie House
Ducie Street
Manchester
M1 2JW
Tel: 0161 413 6444

