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Preliminary Geo-Environmental Risk Assessment

Halterworth Lane, Romsey

Gladman Developments Ltd

SHF.1132.258.GE.R.001.D

'Experience and expertise working in union'

enzygo.com

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Preliminary Geo-Environmental Risk Assessment Report

Project:	Halterworth Lane, Romsey
For:	Gladman Developments Ltd
Ref:	SHF.1132.258.GE.R.001.D
Status:	Revision D
Date:	December 2023
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Review:	Nigel Ramsumair - MGeo (Hons.), FGS, **Principal Geo-Environmental Engineer**
Approver:	David Frayne - BSc (Hons.), C.Geol, FGS, UKRoGEP, **Technical Director**

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1.0 INTRODUCTION

1.1 Background

1.1.1 Enzygo Limited [Enzygo] was commissioned by Gladman Developments Ltd [the Client] to prepare a Preliminary Geo-Environmental Risk Assessment [PRA] for a site proposed for development, located at land off Halterworth Lane, Romsey, SO51 9AE.

1.2 Proposed Development

1.2.1 The proposed development is for the erection of up to 270 dwellings, including affordable housing, with land for the potential future expansion of Halterworth Primary School, public open space, structural planting and landscaping. A red line boundary is shown on the FPCR 'Location Plan', [Drawing No. 09840-FPCR-ZZ-ZZ-DR-L-0004], dated November 2023, is included within Appendix 1.

1.3 Information Sources

1.3.1 The recommendations made in this report are based on information in the following sources:

- Groundsure; 'Insight data', September 2023, Appendix 3;
- Groundsure; 'large- and small-scale historical maps', September 2023, Appendix 3;

1.4 Limitations

1.4.1 Site specific information from the information sources was used in the compilation of this report. Enzygo can accept no liability for the accuracy of information provided by others.

1.5 Objectives

1.5.1 The objectives of this report are to:

- Carry out a review of historical plans, geology, mining, hydrogeology and site sensitivity information.
- Develop a preliminary conceptual site model using the source-pathway-receptor framework and assess the implications of any potentially significant geo-environmental risks, liabilities and development constraints associated with the site in relation to the future use and to off-site receptors.
- Provide preliminary recommendations on environmental risk, potential remedial options and an initial assessment.

2.0 SITE SETTING

Table 2.0 Site Description

Item	Description
Site Address	Halterworth Lane, Romsey, SO51 9AE
National Grid Reference	SU 374 214
Site Area (Hectares)	12.79 ha

2.1 Site Description

2.1.1 The site is typically covered in soft standing and the topography is generally level, bound by hedgerows and trees, with housing immediately west of site.

2.1.2 No significant potential contamination sources were identified during the site walkover.

2.2 Surrounding Area

2.2.1 Land uses around the site are summarised in Table 2.2:

Table 2.2 Land Use Surrounding the Area

Direction	Land Use
North	Residential
East	Agriculture
South	Residential followed by Agricultural
West	Residential

3.0 SITE HISTORY

3.1 Historical Development

3.1.1 A review of the historical Ordnance Survey maps and google earth digital maps, presented in Appendix 3, was used to ascertain the site history and that of the surrounding area (within 250m), which is summarised in the table below.

Table 3.1 Historical Development

Historical Development		
Map Edition	**On-Site**	**Off-Site**
1867, 1868, 1888, 1895, 1896, 1908, 1909, 1942.	Most of the site is greenfield. Halterworth Cottages are on the northwestern boundary with a footpath intersecting the site.	Halterworth Lodge and residential buildings adjacent west of the site, L. & S. W. R (railway) approx. 300m N of site, Halterworth residential area approx. 150m N of site, Luzborough residential area approx. 250m S & SE of site, Highwood Farm approx. 250m E of site, the site is bounded by Halterworth Lane to the W, Highwood Lane is approx. 250m E of site, Botley Road is approx. 50m S of site, Tadburn lake river approx. 250m NE of site, Unspecified tank 40m and 139m west, Electrical substation 207m south of site.
1959, 1960, 1962, 1963.	Halterworth cottages become Lodge Farm.	Significant development to the residential area of Whitenap S of site, Montfort College approx. 100m SE of school, gravel pits between approx. 50m & 100m W of site, depot approx. 250m SW of site.
1970, 1973, 1979, 1984.	Lodge Farm is no longer present a few buildings remain.	Significant development to the residential area of Whitenap adjacent S of site, Significant development of Halterworth Residential area adjacent W of site, Halterworth County Primary School adjacent S of site, Gas governor 74m south of the site; Electrical substation 184m northwest and 214m south of site.
1985, 1990, 1992, 1993, 2001, 2003, 2010, 2023.	No significant change.	Development to Withenap and Halterworth residential areas adjacent S and W of site, Electrical substation 250m southwest of site.

3.1.2 Based upon the identified historical land usages, Made Ground linked to the development and demolition of the Halterworth cottages and lodge farm on-site could pose a potential contaminative risk to any proposed development. However, any potential contamination is anticipated to be localised, the risks are anticipated to be 'low' and can be mitigated through adequate Ground Investigation [GI].

4.0 GEO-ENVIRONMENTAL SETTING

4.1 Superficial and Bedrock geology

4.1.1 The site is indicated to be underlain by the geological sequence summarised in the table below.

Table 4.1 Geological Sequence

Geological Unit	Type	Descriptions	Aquifer Type
Superficial	River Terrace Deposits	Silt, Sand and Gravel	Secondary A, Secondary Undifferentiated
	Head	Gravel	Secondary A
Bedrock	Earnley Sand Formation	Sand	Secondary A

4.1.2 There are seven records of Made Ground within 500m of the site. The nearest record is located 42m northwest of the site for an artificial deposit.

4.1.3 There is one record of landslips within 500m of the site. This record is located 364m northeast of site for a slip described as a landslip deposit.

4.1.4 There are no records of faults or other linear features within 500m of the site.

4.1.5 There are 31no. BGS borehole records within 250m of the site. The nearest accessible BGS borehole is located 87m northwest of site and confirm the published geology.

4.2 Hydrogeology

4.2.1 The permeability of the superficial deposits is recorded as low to very high permeability with an intergranular flow type.

4.2.2 The permeability of the Earnley Sand Formation is recorded as low to high permeability with an intergranular flow type.

4.2.3 The Secondary A superficial aquifer is indicated to be 'Medium to High' vulnerability.

4.2.4 The Secondary A bedrock aquifer is indicated to be 'Low to High' vulnerability.

4.2.5 There are no records for a 'soluble rock risk' are located on-site.

4.2.6 The site is not located within groundwater Source Protection Zones [SPZ].

4.2.7 There are six groundwater abstractions records within 2km of the site. The nearest record is historic, located 521m northeast of site for Drinking, Cooking, Sanitary, Washing – Household at Stroud School.

4.2.8 There are four surface water abstraction records within 2km of the site. The nearest record is active, located 1673m northeast of site for Make-Up or Top up Water by Crampmoor Fish Farm.

4.2.9 There is one record for potable abstraction licenses within 2km of the site. This record is historic, located 521m northeast of site for Drinking, Cooking, Sanitary, Washing – Household at Stroud School.

4.3 Ground Workings

4.3.1 There are 20no. records of surface ground workings within 250m of the site. The nearest record is located 16m northwest of site for an unspecified heap. Other records within 250m of site are for unspecified heaps, refuse heaps, unspecified pits and a sand pit.

4.3.2 There are no records of underground workings within 1km of the site.

4.3.3 The site is not located within a coal mining area as defined by the Coal Authority.

4.4 Non-Coal Mining and Cavities

4.4.1 There are no natural cavities recorded within 500m of the site.

4.4.2 There are three records for British Pits within 500m of the site. The nearest record is located 147m northwest of site for Mortimer's Lane Gravel Pit, producing sand and gravel. The status is ceased.

4.4.3 There are 14no. records of historical mineral planning areas within 500m of the site. There are two records located on-site for Mortimer's Lane, these were for surface mineral workings, the commodity was sand and gravel.

4.4.4 There are no non-coal mining records within 1km of site.

4.4.5 There are no records for mining cavities within 1km of the site.

4.4.6 Based upon the identified historical mineral planning areas on site this could pose a potential contaminative risk to any proposed development. However, risks are anticipated to be 'low' and can be mitigated through adequate Ground Investigation [GI].

4.5 Hydrology

4.5.1 There are four records of water network features within 250m of the site. The nearest record is located 213m west of site for an unnamed inland river not influenced by normal tidal action.

4.5.2 There is one Water Framework Directive [WFD] surface water body located 248m northeast of site. This is detailed as a River called Tadburn Lake.

4.5.3 There is one WFD Groundwater water bodies located on-site for Central Hants Bracklesham Group.

4.5.4 There are two WFD Surface water body catchments located on-site for Rivers. The water body catchments are the Tadburn Lake and the Luzborough Lane Stream.

4.5.5 There is one record of historical flood events records within 250m of the site. This is located 110m north of site. The flood event is dated 1999 with an unknown flood source or cause.

4.5.6 The Groundsure Report indicates there are no records of flooding from rivers and seas [RoFRas] within 50m of the site.

4.5.7 There is one record of flood defences within 250m of the site. This is located 241m northwest of site and was updated in 2022.

4.5.8 There are no records for flood storage areas within 250m of the site.

4.5.9 The potential risk for groundwater flooding on-site is considered to be 'Moderate to Moderate High'.

4.5.10 The highest potential risk for surface water flooding on-site is considered to be a 1 in 30-year event with levels estimated to be 0.1m to 0.3m.

4.6 Radon Risk Potential

4.6.1 The Groundsure 'Insight data' report indicates that the site in an area where less than 1% of properties affected by Radon, therefore, no radon protective measures are considered required.

4.7 Natural Hazards Finding

4.7.1 BGS information presented within the Groundsure 'Insight data' Report, identified the following ground risks:

Table 4.7 Natural Hazards

Hazard	Risk Designation (Groundsure)
Swelling / Shrinking Clay	Negligible to Low
Running Sands	Very Low
Compressible Deposits	Negligible
Collapsible Deposits	Very Low
Landslides	Very Low
Ground Dissolution	Negligible

4.7.2 Based upon the above, no significant ground risks have been identified.

4.8 Sensitive Land Uses

4.8.1 There are four records for sites of Special Scientific Interest (SSSI) located within 2km of the site. The nearest record is located 1439m northwest of site for Baddesley Common and Emer Bog.

4.8.2 The site lies within two SSSI Impact Risk Zones where all planning applications will require consultation.

4.8.3 There is one record for a Special Areas of Conservation (SAC) within 2km of the site. This record is located 1363m east of site for Emer Bog.

4.8.4 There is one record for a Local Nature Reserves (LNR) within 2km of site. This record is located 154m northwest of site for Tadburn Meadows.

4.8.5 There are 12no. records of designated ancient woodlands located within 2km of the site. The nearest record is located 370m south of site for an unknown ancient and semi-natural woodland.

4.8.6 There is one record for a nitrate vulnerable zone located within 2km of the site. This record is located on-site for Hamble Estuary Eutrophic NVZ (TraC).

4.8.7 There is one record for a listed building within 250m of the site. This record is located 71m south of site for a grade 2 listed building Luzborough Cottage.

4.8.8 No new risks are identified from sensitive land uses.

4.9 Environmental Sensitivity

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

- The site consists of agricultural land.
- The underlying superficial deposits are designated 'Secondary A and Secondary Undifferentiated' aquifers.
- The underlying strata are classified as Secondary A aquifers.

- The potential for flooding is considered is 'Negligible' across the site.

4.9.2 The proposed end-use is for a residential development and as such potential future sensitivity is consider high.

4.10 Industrial Land Uses

4.10.1 There are 26no. records of historical industrial land uses located within 250m of site. The nearest record is located 16m northwest of site for unspecified heaps. Other records located within 250m of the site are for; unspecified heaps, refuse heaps, ground workings and refuse heaps, unspecified ground workings, unspecified pits, a sand pit and unspecified depots.

4.10.2 There are three records of historical tanks located within 250m of the site. The nearest record is located 40m north of site for an unspecified tank dated 1896.

4.10.3 There are 16no. records of historical energy features located within 250m of site. The nearest record is located 72m south of site for a gas governor dated 1989.

4.10.4 There are no records of historic petrol stations within 250m of the site.

4.10.5 There are no records of historical garages within 250m of the site.

4.10.6 There are 12no. records for recent industrial land uses located within 250m of the site. The nearest record is located 73m south of site for a gas governor.

4.10.7 There are no records of a current or recent fuel stations within 250m of the site.

4.10.8 There are no records of National Grid High Voltage Underground Electricity Transmission Cables within 250m of the site.

4.10.9 There are no records of National Grid high pressure gas transmission pipelines within 250m of the site.

4.10.10 There are two records of railways located within 250m of the site. The nearest record is located 246m north of the site for a single-track line.

4.10.11 No new risks have been identified from the historic or current industrial land uses.

4.11 Regulatory Database

4.11.1 The information in Table 4.11 below, is summarised from the commercially available environmental dataset.

Table 4.11 Regulatory Database

Environmental Permits, Incidents and Registers	0-250m	251-500m	Details
Site determined as contaminated land	0	0	Not Applicable.
Control of Major Accident Hazard (COMAH)/ Notification of Installations Handling Hazardous Substances (NIHHS) sites	0	0	Not Applicable
Regulated explosive site	0	0	Not Applicable.
Hazardous substance storage/usage	0	0	Not Applicable.
licensed industrial activities (IPC)	0	0	Not Applicable.
Records of Part A (1) Activities	0	0	Not Applicable.
Records of Part A (2) and Part B Activities	0	2	The nearest record is located 373m south of site for a glass manufacturing.
Radioactive substance authorisation	0	0	Not Applicable.
Licensed Discharges to controlled waters	2	6	The nearest record is located 240m northwest of site for miscellaneous effluent at Foxdale Halterworth Lane, Romsey, Hampshire.
Pollutant release to surface waters (Red List)	0	0	Not Applicable.
Pollutant release to public sewer	0	0	Not Applicable.
List 1 Dangerous Substance Inventory Sites	0	0	Not Applicable.
List 2 Dangerous Substance Inventory Sites	0	0	Not Applicable.
Pollution Incidents (EA/NRW)	0	1	The nearest record is located 316m north of site the pollutant was sewage materials. This record is from 2002. There was minor impact on the water, air and land.
Pollution inventory substances	0	0	Not Applicable.
Pollution inventory waste transfers	0	0	Not Applicable.
Pollution inventory radioactive waste	0	0	Not Applicable.

4.11.2 No new significant risks are identified from the regulatory database.

4.12 Landfill Sites and Waste Treatment Sites

4.12.1 There are no records for an active or recent landfills within 500m of the site.

4.12.2 There are no EA/NRW, LA or BGS records for historic landfills identified within 500m of the site.

4.12.3 There is one record for historical waste sites within 500m of the site. This record is located 88m west of site for a ground workings and refuse heap dated 1959.

4.12.4 There are no records for licenced waste sites within 500m of the site.

4.12.5 There are nine records for waste exemption located within 500m of the site. The nearest record is located 79m south of site for use of waste in construction.

5.0 PRELIMINARY ASSESSMENT

5.1.1 Based on the information reviewed, as summarised in this report, a Preliminary Conceptual Site Model (PCSM) for the site has been prepared to identify potential sources of contamination, pathways and receptors for the site. The PCSM is summarised in Table 5.7.

5.2 Potential Contamination Sources

5.2.1 The historical data and maps identify that the site is and has had minor development of Halterworth cottages and lodge farm both no longer present on-site with the rest of the site been greenfield/agricultural land.

5.2.2 Made Ground and potential localised contaminated soils may be encountered as part of the proposed development works. However, this is currently deemed a 'low' risk.

5.3 Potential Sensitive receptors

5.3.1 The site is currently greenfield land, potential existing receptors are.

- Groundwater in the aquifers below site; and
- Adjacent property and land users.

5.3.2 Potential future receptors for the site, based on a potential residential land use, are:

- Site workers.
- End users of the site, including residents.
- New infrastructure buried pipes and services.
- Future landscaping and planting (Flora).
- Groundwater in the aquifers below site; and
- Adjacent property and land users.

5.4 Potential contamination exposure pathways

5.4.1 The Environment Agency Publication SR3 Updated technical background to the CLEA model indicates the potential pathways by which any on-site contaminants may affect the health of the existing and future potential human receptors at the site:

- Inhalation of vapour; including outdoor and indoor exposure;
- Inhalation of fugitive dust; including outdoor windblown dust and indoor dust tracked - in from outside
- Ingestion and absorption by direct contact including hand to mouth contact, absorption, dermal contact and consumption of soil with vegetables.

5.4.2 In addition, potential pathways by which the on-site contaminants may affect existing and future potential receptors at the site are:

- Migration by surface run-off; including in suspension or solution;

- Migration in solution via groundwater; including leaching in the unsaturated zone and diffusion in the saturated zone.

- Plant uptake via root systems.

5.5 Industry Profiles

5.5.1 Several Industry Profiles have been published by the Department of the Environment which gives information on the type of activities which can occur on these types of sites. They are not intended as a check list against which to undertake an investigation but are a source of supplementary information only. The pre-amble to the industry profiles advises the reader that they must use professional judgement and assess sites specifically when considering the profiles. Industry profiles also include practices which are no longer followed and therefore should be omitted.

5.6 Risk Classification

5.6.1 Definitions of the risk terms used are provided in Table 5.6. Where significant geotechnical risks are identified, these are discussed within the report.

5.6.2 The risks identified will be re-evaluated after the site investigation works in accordance with good practice.

Table 5.6 Risk Classification

Risk	Description
Dismissed	The risk has been dismissed.
Negligible	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 issues 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 and no further investigation is considered necessary.
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.

5.7 Preliminary Conceptual Model

5.7.1 Based on the information obtained the following Preliminary Conceptual Model has been prepared, below:

Table 5.7 Preliminary Conceptual Model

Source contaminants	Location	Exposure Pathway	Potential Receptor	Risk/ Probability of Exposure	Details
Human Health					
Asbestos, metals and hydrocarbons from Made Ground	Unforeseen Contamination	Ingestion dermal and inhalation	Construction Workers	Negligible	Made Ground associated with the development and demolition of the Halterworth cottages and lodge farm on-site. Standard construction PPE should address risk under CDM 2015 Regulations. Discovery Strategy during construction
			Site users		No significant potentially contaminative land usages identified on the development site.
Asbestos, metals and hydrocarbons from Made Ground	On-site sources	Ingestion dermal and inhalation	Construction Workers	Negligible	Made Ground associated with the development and demolition of the Halterworth cottages and lodge farm on-site. No significant potentially contaminative land usages identified on the development site. Standard construction PPE will address risk under CDM 2015 Regulations.
			Site users		
Hydrocarbon and metals	Migration from off-site sources	Ingestion dermal and inhalation	Construction Workers	Negligible	No significant source identified.
			Site users		
Ground Gas	Potentially Infilled Ground	Asphyxiant, Toxic & Explosive	Construction Workers	Dismissed	Historic gravel pits located west of the site. These pits have since been infilled and the site has been developed for residential housing. No significant source.
			Site users		
Radon	Natural Soils	Inhalation	Construction Workers	Dismissed	No radon protective measures are considered necessary.
			Site Users		
Groundwater					
Hydrocarbon and metals	Unforeseen Contamination	Vertical Migration	Groundwater	Negligible	Underlying aquifers are Secondary A. No significant source identified.
Surface Water					
Hydrocarbon and metals	Unforeseen Contamination	Horizontal Migration	River Network	Dismissed	The nearest water course is located approx. 213m west of site. No significant source identified.
Environmental Receptors					
On-site contaminants		Ingestion dermal and inhalation	Ecology	Dismissed	No receptor
		Direct	Archaeology	Dismissed	No receptor
		Direct	Geology	Dismissed	No receptor
		Phytotoxic	Woodland	Dismissed	No receptor

Source contaminants	Location	Exposure Pathway	Potential Receptor	Risk/ Probability of Exposure	Details
		Phytotoxic	Crops	Dismissed	No receptor
		Ingestion dermal and inhalation	Livestock	Dismissed	No receptor
Building Services					
On-site contaminants		Direct.	Historic Buildings	Dismissed	No receptor
		Direct	Proposed Buildings	Negligible	GI to ascertain contamination regime below site for appropriate design.
		Permeate into pipework	Water Pipes	Negligible	To be checked with local water authority.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1.1 The site is considered to present a 'negligible' potential contamination risk to both construction workers and future site occupants based upon the available information reviewed to date. There are no identified off-site sources or receptors.

6.1.2 Any unexpected contamination is anticipated to be localised and would be addressed during the development works through a discovery strategy, with source removal and off-site disposal likely to be the most appropriate remedial action, or the use of a clean capping [where appropriate].

6.1.3 A Ground Investigation should be undertaken to provide design information for future development works. This could be undertaken post-planning and covered by a suitably worded condition.

Appendix 1 - Drawings

NOTES

0 25 50 75 100m

N

KEY

Site Boundary 12.8ha

HALTERWORTH

WHITENAP

Depot

9840	S1 1:1250 @ A1
Halterworth Lane, Romsey	November 2023 MPS / LP
Gladman Developments Ltd	09840-FPCR-ZZ-ZZ-DR-L-0004 issue P01
	Project Code - Originator - Zone - Level - Type - Role - Drawing Number

Location Plan

masterplanning
environmental assessment
landscape design
urban design
ecology
architecture
arboriculture

FPCR Environment and Design Ltd
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Lockington
Derby
DE74 2RH

t: 01509 672772
e: mail@fpcr.co.uk
w: www.fpcr.co.uk

File: K:\9800\9840\LANDS\Plans\09840-FPCR-ZZ-ZZ-DR-L-0002 P05.vwx

Appendix 2 - Site Photos

Photo 1: View, East from Halterworth Lane.

Photo 2: Entrance off Halterworth Lane.

enzygo environmental consultants **Enzygo Ltd** **Manchester** **Ducie Street** **Tel: 0161 413 6444**	**Project** **Halterworth Lane, Romsey**	**Drawing Title** **Site Walkover Photos**
	Client **Glandman Developments Ltd**	**Project No.** **SHF.1132.285**

Photo 3: Entrance off Halterworth Lane.

Photo 3: View, East from Halterworth Lane.

enzygo environmental consultants **Enzygo Ltd** **Manchester** **Ducie Street** **Tel: 0161 413 6444**	**Project** **Halterworth Lane, Romsey**	**Drawing Title** **Site Walkover Photos**
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Appendix 3 - Groundsure Dataset

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

unspecified

Order Details

Date: 25/09/2023

Your ref: EMS_896250_1109534

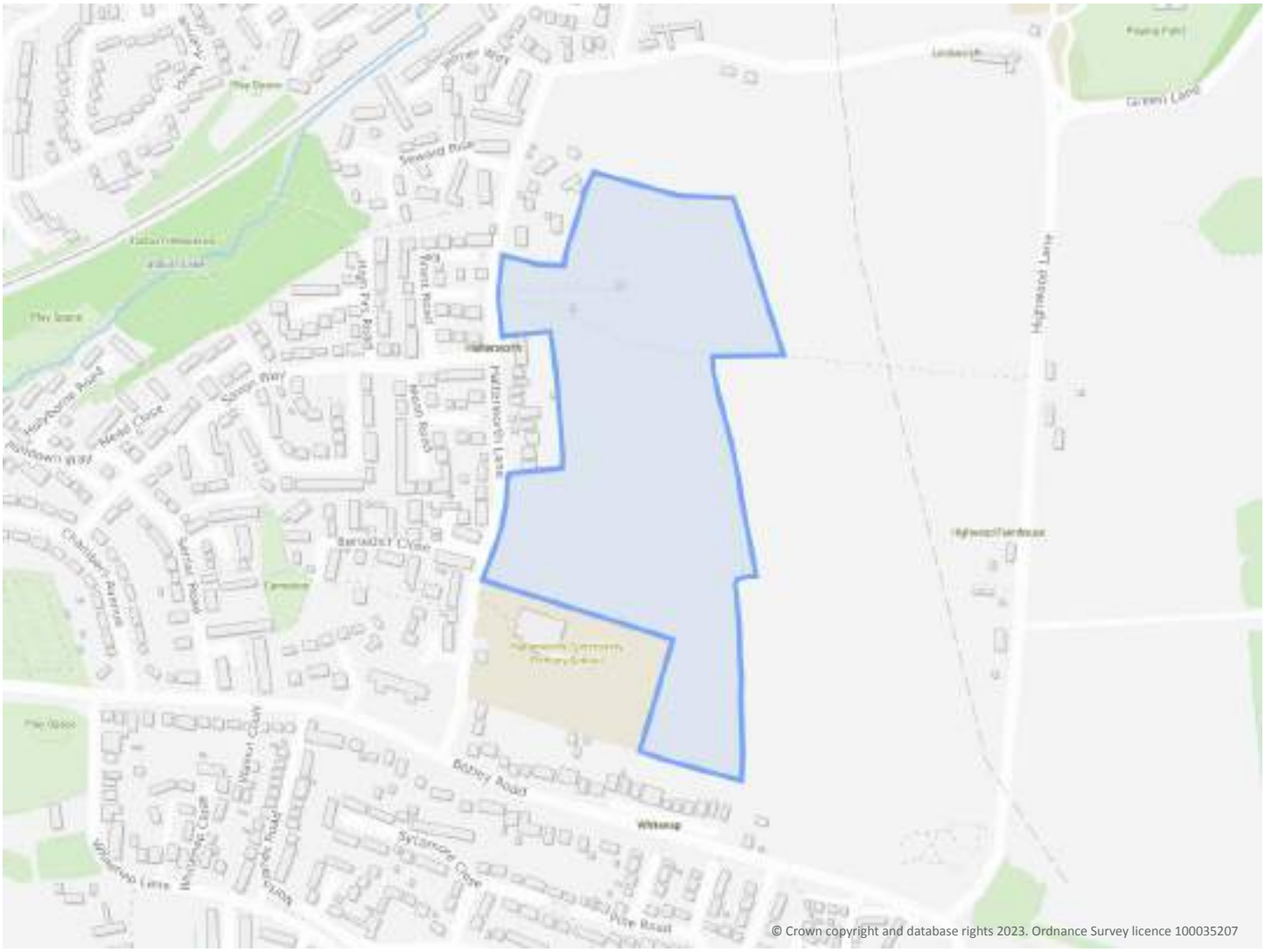
Our Ref: EMS-896250_1144579

Site Details

Location: 437444 121335

Area: 12.79 ha

Authority: Test Valley Borough Council ↗



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

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	0	2	13	27	-
16 >	1.2 >	Historical tanks >	0	2	0	3	-
17 >	1.3 >	Historical energy features >	0	0	11	20	-
18	1.4	Historical petrol stations	0	0	0	0	-
18 >	1.5 >	Historical garages >	0	0	0	3	-
19	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
20 >	2.1 >	Historical industrial land uses >	0	3	23	45	-
23 >	2.2 >	Historical tanks >	0	3	0	5	-
24 >	2.3 >	Historical energy features >	0	0	16	36	-
26	2.4	Historical petrol stations	0	0	0	0	-
26 >	2.5 >	Historical garages >	0	0	0	6	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
27	3.1	Active or recent landfill	0	0	0	0	-
27	3.2	Historical landfill (BGS records)	0	0	0	0	-
28	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
28	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
28 >	3.5 >	Historical waste sites >	0	0	1	0	-
28	3.6	Licensed waste sites	0	0	0	0	-
29 >	3.7 >	Waste exemptions >	0	0	8	1	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
30 >	4.1 >	Recent industrial land uses >	0	0	12	-	-
31 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
32	4.3	Electricity cables	0	0	0	0	-
32	4.4	Gas pipelines	0	0	0	0	-
32	4.5	Sites determined as Contaminated Land	0	0	0	0	-

32	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
32	4.7	Regulated explosive sites	0	0	0	0	-
33	4.8	Hazardous substance storage/usage	0	0	0	0	-
33	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
33	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
33 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	0	2	-
34	4.12	Radioactive Substance Authorisations	0	0	0	0	-
34 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	2	6	-
35	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
35	4.15	Pollutant release to public sewer	0	0	0	0	-
36	4.16	List 1 Dangerous Substances	0	0	0	0	-
36	4.17	List 2 Dangerous Substances	0	0	0	0	-
36 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	0	1	-
36	4.19	Pollution inventory substances	0	0	0	0	-
37	4.20	Pollution inventory waste transfers	0	0	0	0	-
37	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
38 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
40 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
41 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
42	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
43	5.5	Groundwater vulnerability- local information	None (within 0m)				
44 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	0	6
46 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	4
47 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	1
48	5.9	Source Protection Zones	0	0	0	0	-
48	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
49 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	0	4	-	-

50 >	6.2 >	Surface water features >	0	0	2	-	-
50 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
51 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
51 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
52	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
53 >	7.2 >	Historical Flood Events >	0	0	1	-	-
53 >	7.3 >	Flood Defences >	0	0	1	-	-
53	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
54	7.5	Flood Storage Areas	0	0	0	-	-
55	7.6	Flood Zone 2	None (within 50m)				
55	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
56 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
58 >	9.1 >	Groundwater flooding >	Moderate-High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
59 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	4
60	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
60 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
61	10.4	Special Protection Areas (SPA)	0	0	0	0	0
61	10.5	National Nature Reserves (NNR)	0	0	0	0	0
61 >	10.6 >	Local Nature Reserves (LNR) >	0	0	1	0	0
61 >	10.7 >	Designated Ancient Woodland >	0	0	0	1	11
62	10.8	Biosphere Reserves	0	0	0	0	0
62	10.9	Forest Parks	0	0	0	0	0
63	10.10	Marine Conservation Zones	0	0	0	0	0
63	10.11	Green Belt	0	0	0	0	0
63	10.12	Proposed Ramsar sites	0	0	0	0	0

63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
63	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	10.15	Nitrate Sensitive Areas	0	0	0	0	0
64 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	0
65 >	10.17 >	SSSI Impact Risk Zones >	2	-	-	-	-
67 >	10.18 >	SSSI Units >	0	0	0	0	4
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
70	11.1	World Heritage Sites	0	0	0	-	-
71	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
71	11.3	National Parks	0	0	0	-	-
71 >	11.4 >	Listed Buildings >	0	0	1	-	-
72	11.5	Conservation Areas	0	0	0	-	-
72	11.6	Scheduled Ancient Monuments	0	0	0	-	-
72	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
73 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
75	12.2	Open Access Land	0	0	0	-	-
75 >	12.3 >	Tree Felling Licences >	0	0	2	-	-
75 >	12.4 >	Environmental Stewardship Schemes >	2	0	1	-	-
76	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
77 >	13.1 >	Priority Habitat Inventory >	0	0	9	-	-
78 >	13.2 >	Habitat Networks >	0	0	1	-	-
78	13.3	Open Mosaic Habitat	0	0	0	-	-
78	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
80 >	14.1 >	10k Availability >	Identified (within 500m)				
81 >	14.2 >	Artificial and made ground (10k) >	0	1	2	4	-
83 >	14.3 >	Superficial geology (10k) >	4	1	1	5	-

84 >	14.4 >	Landslip (10k) >	0	0	0	1	-
85 >	14.5 >	Bedrock geology (10k) >	1	0	1	1	-
86	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
87 >	15.1 >	50k Availability >	Identified (within 500m)				
88 >	15.2 >	Artificial and made ground (50k) >	0	0	3	5	-
89	15.3	Artificial ground permeability (50k)	0	0	-	-	-
90 >	15.4 >	Superficial geology (50k) >	4	1	1	2	-
91 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
91 >	15.6 >	Landslip (50k) >	0	0	0	1	-
92	15.7	Landslip permeability (50k)	None (within 50m)				
93 >	15.8 >	Bedrock geology (50k) >	1	0	1	1	-
94 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
94	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	16.1 >	BGS Boreholes >	0	0	31	-	-
Page	Section	**Natural ground subsidence** >					
98 >	17.1 >	Shrink swell clays >	Low (within 50m)				
100 >	17.2 >	Running sands >	Very low (within 50m)				
101 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
102 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
103 >	17.5 >	Landslides >	Very low (within 50m)				
104 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	**Mining and ground workings** >	On site	0-50m	50-250m	250-500m	500-2000m
106 >	18.1 >	BritPits >	0	0	2	1	-
107 >	18.2 >	Surface ground workings >	0	3	17	-	-
108	18.3	Underground workings	0	0	0	0	0
108	18.4	Underground mining extents	0	0	0	0	-
109 >	18.5 >	Historical Mineral Planning Areas >	2	3	5	4	-

110	18.6	Non-coal mining	0	0	0	0	0
110	18.7	JPB mining areas	None (within 0m)				
110	18.8	The Coal Authority non-coal mining	0	0	0	0	-
110 >	**18.9 >**	**Researched mining >**	0	0	1	4	-
111	18.10	Mining record office plans	0	0	0	0	-
111	18.11	BGS mine plans	0	0	0	0	-
111	18.12	Coal mining	None (within 0m)				
111	18.13	Brine areas	None (within 0m)				
112	18.14	Gypsum areas	None (within 0m)				
112	18.15	Tin mining	None (within 0m)				
112	18.16	Clay mining	None (within 0m)				

Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
113	19.1	Natural cavities	0	0	0	0	-
113	19.2	Mining cavities	0	0	0	0	0
113	19.3	Reported recent incidents	0	0	0	0	-
113	19.4	Historical incidents	0	0	0	0	-
114	19.5	National karst database	0	0	0	0	-

Page	Section	**Radon >**
115 >	**20.1 >**	**Radon >** Less than 1% (within 0m)

Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
117 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	15	4	-	-	-
118	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
118	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
119	22.1	Underground railways (London)	0	0	0	-	-
119	22.2	Underground railways (Non-London)	0	0	0	-	-
120	22.3	Railway tunnels	0	0	0	-	-
120	22.4	Historical railway and tunnel features	0	0	0	-	-
120	22.5	Royal Mail tunnels	0	0	0	-	-

120	22.6	Historical railways	0	0	0	-	-
120 >	**22.7 >**	**Railways >**	0	0	2	-	-
121	22.8	Crossrail 1	0	0	0	0	-
121	22.9	Crossrail 2	0	0	0	0	-
121	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 22/06/2022

Site Area: 12.79ha

Recent site history - 2019 aerial photograph

Capture Date: 28/06/2019

Site Area: 12.79ha

Recent site history - 2013 aerial photograph

Capture Date: 03/06/2013

Site Area: 12.79ha

Recent site history - 2005 aerial photograph

Capture Date: 27/05/2005

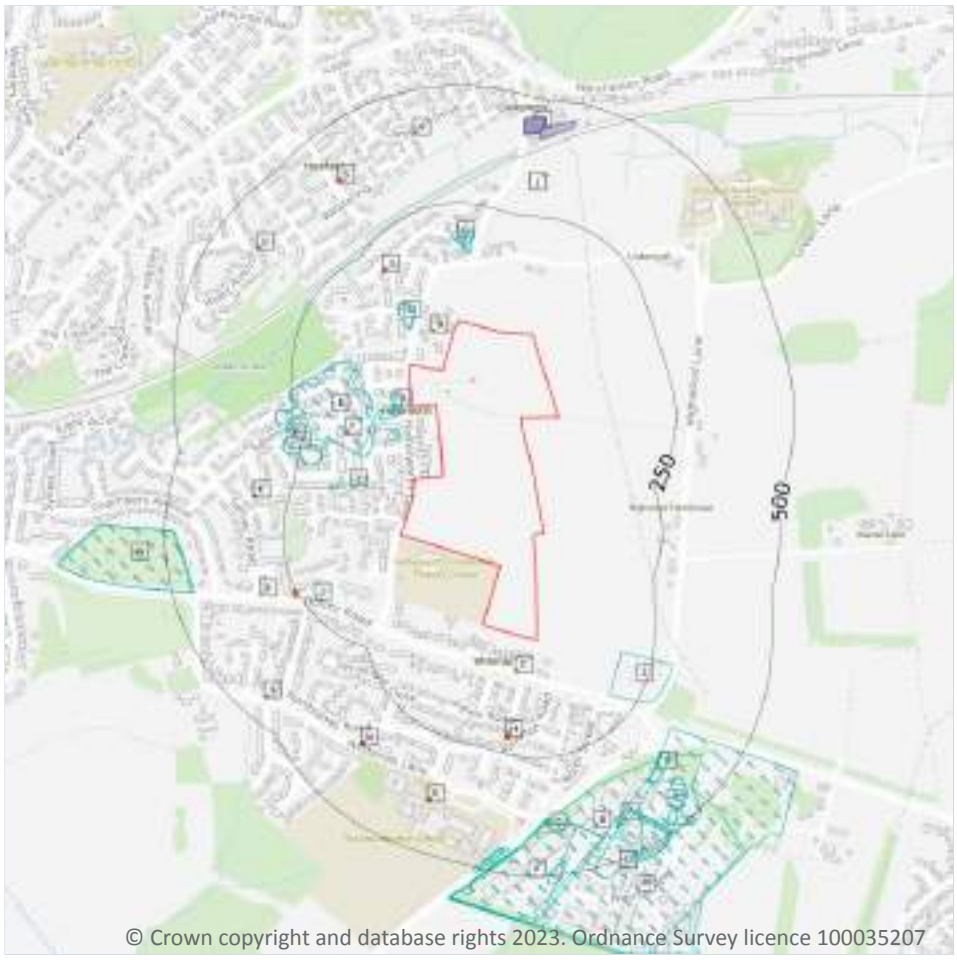
Site Area: 12.79ha

Recent site history - 1999 aerial photograph

Capture Date: 30/04/1999

Site Area: 12.79ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	42

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
A	16m NW	Unspecified Heaps	1962	1946478

ID	Location	Land use	Dates present	Group ID
A	18m NW	Unspecified Heaps	1962	1929643
A	57m NW	Unspecified Heap	1962	1869137
A	59m W	Unspecified Heap	1962	1943378
D	74m NW	Refuse Heap	1962	1910008
D	75m NW	Refuse Heap	1962	1920232
E	81m NW	Ground Workings and Refuse Heap	1962	1915930
E	83m NW	Unspecified Heaps	1962	1864409
1	96m W	Unspecified Ground Workings	1962	1851640
G	146m N	Ground Workings and Refuse Heap	1962	1902756
G	147m N	Refuse Heap	1962	1884205
G	159m N	Unspecified Pit	1908 - 1942	1917130
2	181m SE	Unspecified Depot	1984 - 1992	1935128
4	200m W	Refuse Heap	1962	1907387
I	208m SW	Sand Pit	1908	1873223
L	333m S	Industrial Estate	1992	1866180
M	341m SE	Unspecified Works	1962	1901339
O	358m SE	Refuse Heap	1962	1962442
O	359m SE	Refuse Heap	1962	1968671
P	380m S	Unspecified Works	1962	1925515
P	381m S	Unspecified Works	1962	1948191
Q	381m S	Gravel Pit	1908	1871374
P	387m S	Unspecified Works	1973 - 1984	1940150
T	394m SE	Silt Beds	1984	1862375
M	408m SE	Unspecified Ground Workings	1962	1957846
7	410m SE	Unspecified Ground Workings	1962	1931493
T	415m SE	Unspecified Heap	1962	1950064
T	417m SE	Unspecified Heap	1962	1906178
M	425m SE	Silt Beds	1984	1862374

ID	Location	Land use	Dates present	Group ID
M	433m SE	Disused Gravel Pits	1962	1864817
T	435m SE	Unspecified Heap	1962	1869044
T	436m SE	Unspecified Heaps	1962	1888553
L	442m S	Silt Beds	1984	1862373
P	444m S	Gravel Pit	1888 - 1895	1945118
P	447m S	Unspecified Pit	1868	1876878
P	448m S	Old Gravel Pit	1908 - 1942	1898343
W	453m SW	Cemetery	1908 - 1992	1925100
W	457m SW	Cemetery	1962	1929448
T	465m SE	Unspecified Heap	1962	1869043
P	477m S	Unspecified Heap	1962	1900839
P	481m S	Unspecified Heap	1962	1923115
T	484m SE	Unspecified Heap	1962	1869045

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**5**

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
B	40m N	Unspecified Tank	1896 - 1909	316286
B	41m N	Unspecified Tank	1959	325521
J	308m N	Unspecified Tank	1984 - 1986	320972
J	335m N	Unspecified Tank	1984 - 1986	326153
J	338m N	Unspecified Tank	1993	303145

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	31

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
C	72m S	Gas Governor	1989	193936
C	72m S	Gas Governor	1989	193258
C	73m S	Gas Governor	1996	192178
C	73m S	Gas Governor	1984	192951
F	141m W	Electricity Substation	1991	188588
F	145m W	Electricity Substation	1984 - 1986	199065
3	188m NW	Electricity Substation	1986 - 1991	201784
H	204m S	Electricity Substation	-	187802
H	206m S	Electricity Substation	1959 - 1969	198779
H	213m S	Electricity Substation	1984 - 1993	207602
I	249m SW	Electricity Substation	1991	212095
I	252m SW	Electricity Substation	1984 - 1986	204456
K	317m W	Electricity Substation	1991	212373
K	318m W	Electricity Substation	1980 - 1985	204581
5	318m SW	Gas Governor	1991	191886
N	354m SW	Electricity Substation	1969 - 1993	197193
N	355m SW	Electricity Substation	-	187522
N	358m SW	Electricity Substation	1959	203311
R	384m S	Electricity Substation	1959 - 1993	210957
R	384m S	Electricity Substation	-	187625

ID	Location	Land use	Dates present	Group ID
S	387m NW	Electricity Substation	1991	197641
Q	389m S	Electricity Substation	-	187350
Q	390m S	Electricity Substation	1959	210493
Q	390m S	Electricity Substation	1969 - 1984	205642
S	390m NW	Electricity Substation	1984 - 1986	209841
U	403m NW	Electricity Substation	1980 - 1996	210730
U	404m NW	Electricity Substation	1985	209139
6	408m N	Electricity Substation	1994 - 1996	206771
8	411m S	Electricity Substation	1989 - 1996	207805
9	442m SW	Electricity Substation	1989 - 1993	195239
P	472m S	Electricity Substation	1993	188506

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 un-grouped 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	3

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
V	416m N	Garage	1983 - 1985	64884
V	417m N	Garage	1980	62632
V	421m N	Garage	1958 - 1970	65374

This data is sourced from Ordnance Survey / Groundsure.

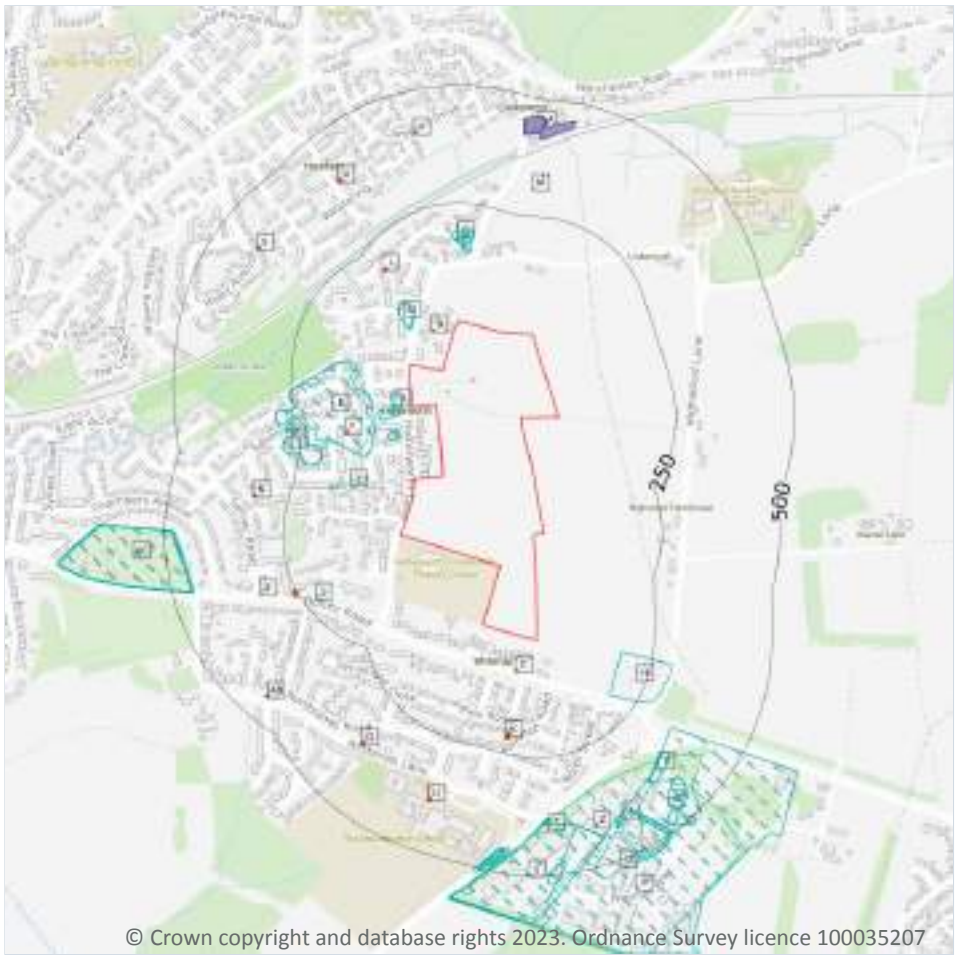
1.6 Historical military land

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

Historical garages

2.1 Historical industrial land uses

Records within 500m	71

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

Features are displayed on the Past land use - un-grouped map on **page 20 >**

ID	Location	Land Use	Date	Group ID
A	16m NW	Unspecified Heaps	1962	1946478
A	16m NW	Unspecified Heaps	1962	1946478
A	18m NW	Unspecified Heaps	1962	1929643

ID	Location	Land Use	Date	Group ID
A	57m NW	Unspecified Heap	1962	1869137
A	59m W	Unspecified Heap	1962	1943378
A	59m W	Unspecified Heap	1962	1943378
A	59m W	Unspecified Heap	1962	1943378
D	74m NW	Refuse Heap	1962	1910008
D	75m NW	Refuse Heap	1962	1920232
D	75m NW	Refuse Heap	1962	1920232
E	81m NW	Ground Workings and Refuse Heap	1962	1915930
E	81m NW	Ground Workings and Refuse Heap	1962	1915930
E	83m NW	Unspecified Heaps	1962	1864409
1	96m W	Unspecified Ground Workings	1962	1851640
G	146m N	Ground Workings and Refuse Heap	1962	1902756
G	146m N	Ground Workings and Refuse Heap	1962	1902756
G	147m N	Refuse Heap	1962	1884205
G	159m N	Unspecified Pit	1908	1917130
G	159m N	Unspecified Pit	1942	1917130
G	161m N	Unspecified Pit	1938	1917130
G	161m N	Unspecified Pit	1938	1917130
H	181m SE	Unspecified Depot	1992	1935128
H	181m SE	Unspecified Depot	1984	1935128
J	200m W	Refuse Heap	1962	1907387
J	200m W	Refuse Heap	1962	1907387
L	208m SW	Sand Pit	1908	1873223
O	333m S	Industrial Estate	1992	1866180
P	341m SE	Unspecified Works	1962	1901339
P	341m SE	Unspecified Works	1962	1901339
R	358m SE	Refuse Heap	1962	1962442
R	359m SE	Refuse Heap	1962	1968671

ID	Location	Land Use	Date	Group ID
R	359m SE	Refuse Heap	1962	1968671
S	380m S	Unspecified Works	1962	1925515
S	381m S	Unspecified Works	1962	1948191
S	381m S	Unspecified Works	1962	1948191
T	381m S	Gravel Pit	1908	1871374
S	387m S	Unspecified Works	1984	1940150
S	387m S	Unspecified Works	1973	1940150
W	394m SE	Silt Beds	1984	1862375
P	408m SE	Unspecified Ground Workings	1962	1957846
P	408m SE	Unspecified Ground Workings	1962	1957846
3	410m SE	Unspecified Ground Workings	1962	1931493
W	415m SE	Unspecified Heap	1962	1950064
W	415m SE	Unspecified Heap	1962	1950064
W	417m SE	Unspecified Heap	1962	1906178
P	425m SE	Silt Beds	1984	1862374
P	433m SE	Disused Gravel Pits	1962	1864817
W	435m SE	Unspecified Heap	1962	1869044
W	436m SE	Unspecified Heaps	1962	1888553
W	436m SE	Unspecified Heaps	1962	1888553
O	442m S	Silt Beds	1984	1862373
S	444m S	Gravel Pit	1895	1945118
S	444m S	Gravel Pit	1888	1945118
S	447m S	Unspecified Pit	1868	1876878
S	448m S	Old Gravel Pit	1938	1898343
S	448m S	Old Gravel Pit	1938	1898343
S	451m S	Old Gravel Pit	1908	1898343
S	451m S	Old Gravel Pit	1942	1898343
AC	453m SW	Cemetery	1938	1925100

ID	Location	Land Use	Date	Group ID
AC	453m SW	Cemetery	1908	1925100
AC	457m SW	Cemetery	1962	1929448
AC	457m SW	Cemetery	1962	1929448
AC	458m SW	Cemetery	1992	1925100
AC	458m SW	Cemetery	1984	1925100
AC	458m SW	Cemetery	1973	1925100
AC	458m SW	Cemetery	1962	1925100
W	465m SE	Unspecified Heap	1962	1869043
S	477m S	Unspecified Heap	1962	1900839
S	477m S	Unspecified Heap	1962	1900839
S	481m S	Unspecified Heap	1962	1923115
W	484m SE	Unspecified Heap	1962	1869045

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**8**

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

Features are displayed on the Past land use - un-grouped map on **page 20 >**

ID	Location	Land Use	Date	Group ID
B	40m N	Unspecified Tank	1896	316286
B	40m N	Unspecified Tank	1909	316286
B	41m N	Unspecified Tank	1959	325521
M	308m N	Unspecified Tank	1984	320972
M	308m N	Unspecified Tank	1986	320972
M	335m N	Unspecified Tank	1984	326153
M	335m N	Unspecified Tank	1986	326153
M	338m N	Unspecified Tank	1993	303145

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**52**

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

Features are displayed on the Past land use - un-grouped map on **page 20 >**

ID	Location	Land Use	Date	Group ID
C	72m S	Gas Governor	1989	193936
C	72m S	Gas Governor	1989	193258
C	73m S	Gas Governor	1996	192178
C	73m S	Gas Governor	1984	192951
F	141m W	Electricity Substation	1991	188588
F	145m W	Electricity Substation	1984	199065
F	145m W	Electricity Substation	1986	199065
I	188m NW	Electricity Substation	1991	201784
I	188m NW	Electricity Substation	1986	201784
K	204m S	Electricity Substation	-	187802
K	206m S	Electricity Substation	1969	198779
K	207m S	Electricity Substation	1959	198779
K	213m S	Electricity Substation	1989	207602
K	213m S	Electricity Substation	1993	207602
K	213m S	Electricity Substation	1984	207602
L	249m SW	Electricity Substation	1991	212095
L	252m SW	Electricity Substation	1984	204456
L	252m SW	Electricity Substation	1986	204456
N	317m W	Electricity Substation	1991	212373
N	318m W	Electricity Substation	1980	204581
2	318m SW	Gas Governor	1991	191886

ID	Location	Land Use	Date	Group ID
N	319m W	Electricity Substation	1985	204581
Q	354m SW	Electricity Substation	1989	197193
Q	355m SW	Electricity Substation	-	187522
Q	355m SW	Electricity Substation	1993	197193
Q	357m SW	Electricity Substation	1984	197193
Q	357m SW	Electricity Substation	1969	197193
Q	358m SW	Electricity Substation	1959	203311
U	384m S	Electricity Substation	1989	210957
U	384m S	Electricity Substation	-	187625
U	385m S	Electricity Substation	1984	210957
U	385m S	Electricity Substation	1969	210957
U	385m S	Electricity Substation	1993	210957
U	387m S	Electricity Substation	1959	210957
V	387m NW	Electricity Substation	1991	197641
T	389m S	Electricity Substation	-	187350
T	390m S	Electricity Substation	1959	210493
T	390m S	Electricity Substation	1984	205642
T	390m S	Electricity Substation	1969	205642
V	390m NW	Electricity Substation	1984	209841
V	390m NW	Electricity Substation	1986	209841
X	403m NW	Electricity Substation	1996	210730
X	403m NW	Electricity Substation	1990	210730
X	404m NW	Electricity Substation	1980	210730
X	404m NW	Electricity Substation	1985	209139
Y	408m N	Electricity Substation	1996	206771
Y	408m N	Electricity Substation	1994	206771
Z	411m S	Electricity Substation	1989	207805
Z	411m S	Electricity Substation	1996	207805

ID	Location	Land Use	Date	Group ID
AB	442m SW	Electricity Substation	1993	195239
AB	443m SW	Electricity Substation	1989	195239
S	472m S	Electricity Substation	1993	188506

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	6

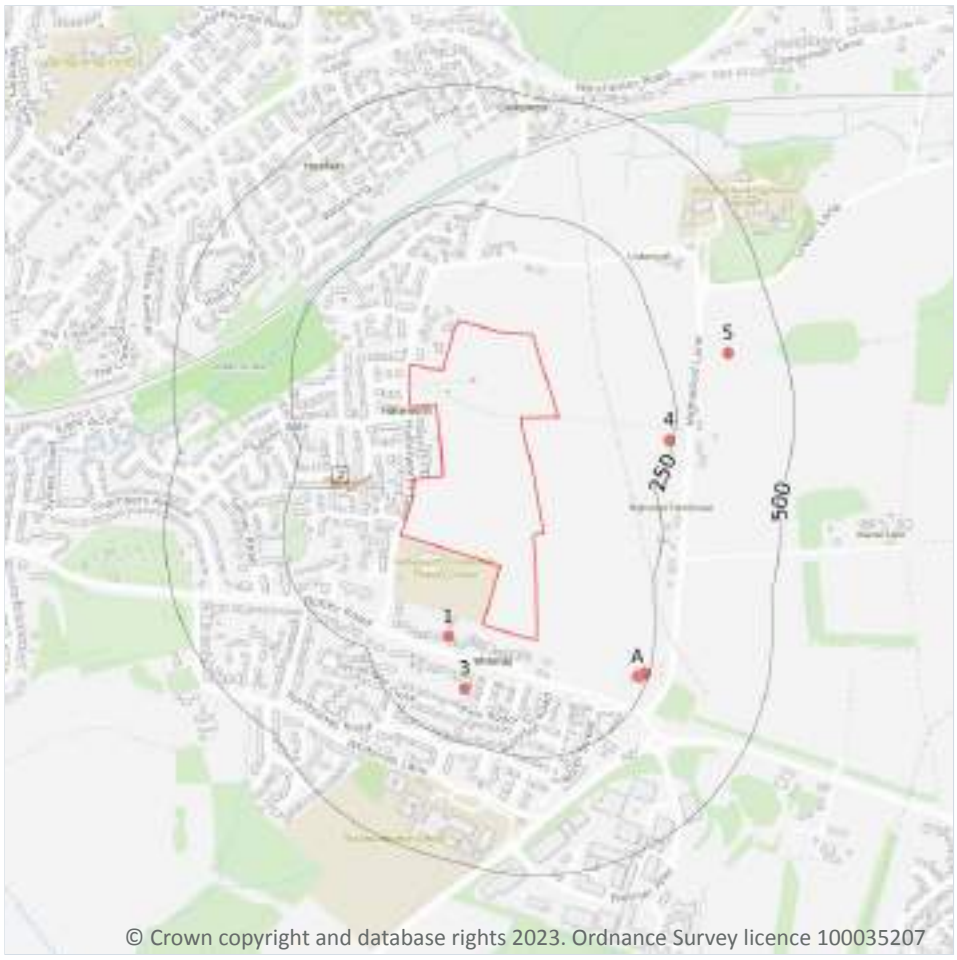
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 20 >**

ID	Location	Land Use	Date	Group ID
AA	416m N	Garage	1983	64884
AA	416m N	Garage	1983	64884
AA	416m N	Garage	1985	64884
AA	417m N	Garage	1980	62632
AA	421m N	Garage	1958	65374
AA	421m N	Garage	1970	65374

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0

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.

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

3.5 Historical waste sites

Records within 500m	1

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
2	88m W	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1959

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	9

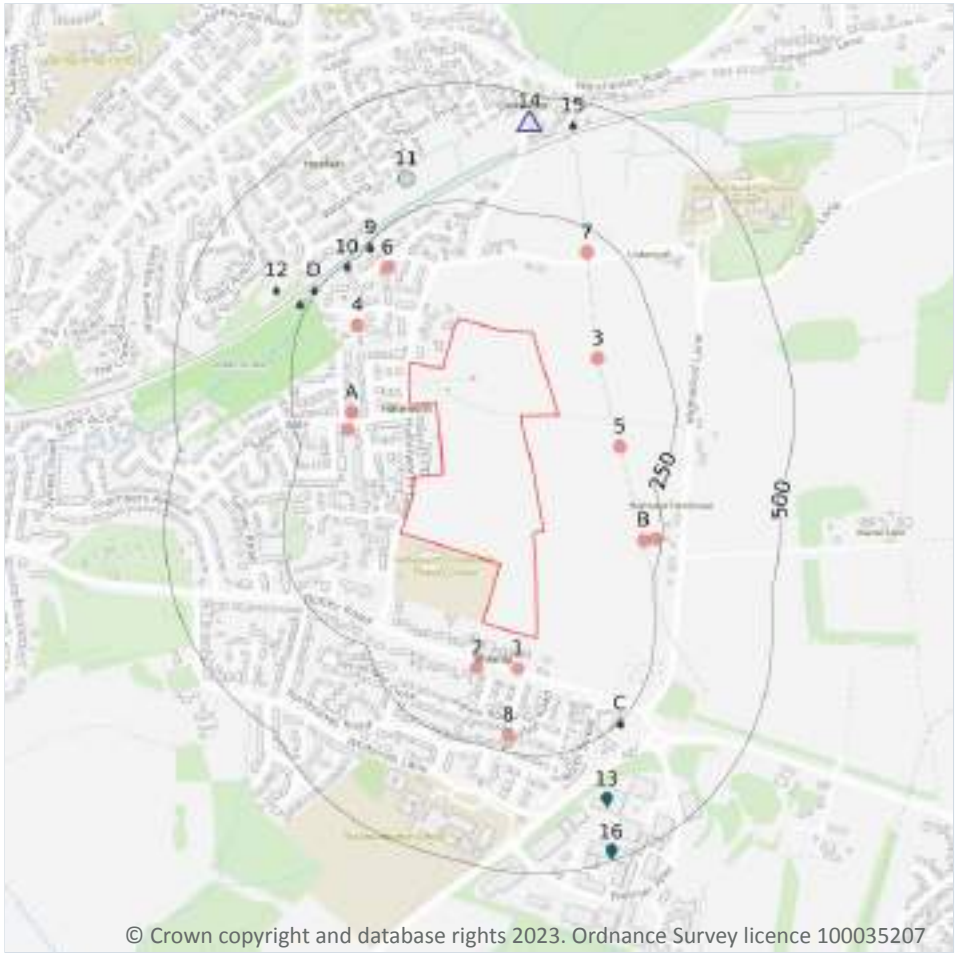
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 27 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	79m S	169A, BOTLEY ROAD, ROMSEY, SO51 5SW	WEX101333	Using waste exemption	Not on a farm	Use of waste in construction
3	142m S	-	WEX222708	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	228m SE	-	WEX107263	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	233m SE	-	WEX138189	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	233m SE	-	WEX279527	Storing waste exemption	Not on a farm	Storage of waste in a secure place
4	240m E	Foxlea Bryces Lane ROMSEY Hampshire SO51 6FX	EPR/WF0839A W/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
A	240m SE	-	WEX293976	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
A	240m SE	-	WEX293976	Using waste exemption	Not on a Farm	Use of waste in construction
5	384m NE	FOXLEA, BRYCES LANE, SHERFIELD ENGLISH, ROMSEY, SO51 6FX	WEX166605	Storing waste exemption	On a farm	Storage of sludge

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

Current or recent petrol stations

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

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	**12**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 30 >**

ID	Location	Company	Address	Activity	Category
1	73m S	Gas Governor Station	Hampshire, SO51	Gas Features	Infrastructure and Facilities
2	95m S	Electricity Sub Station	Hampshire, SO51	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
3	116m NE	Pylon	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
A	127m W	Hampshire Farm Water Services	16, Saxon Way, Romsey, Hampshire, SO51 5PT	Air and Water Filtration	Industrial Products
4	138m NW	Domestic Fencing & Gates Ltd	17, Seward Rise, Romsey, Hampshire, SO51 8PE	Fences, Gates and Railings	Industrial Products
A	142m W	Electricity Sub Station	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
5	147m E	Pylon	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
6	187m NW	Electricity Sub Station	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
7	206m NE	Pylon	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
B	212m SE	Pylon	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
8	214m S	Electricity Sub Station	Hampshire, SO51	Electrical Features	Infrastructure and Facilities
B	237m SE	Silo	Hampshire, SO51	Hoppers and Silos	Farming

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m **1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 30 >**

ID	Location	Company	Address	LPG	Status
14	444m N	MURCO	Haltersworth Lane, Crampmoor, Romsey, Hampshire, SO51 9AN	No	Open

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	0

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

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

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

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 30 >**

ID	Location	Address	Details	
13	373m S	Luminesity Limited, 7 The Quadrangle, Premier Way, Romsey, Hampshire, SO51 9DL	Process: Glass Manufacturing Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	481m S	Premier Structures, 18 Premier Way, Romsey, Hampshire, SO51 9AG	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	8

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 30 >**

ID	Location	Address	Details	
9	240m NW	FOXDALE, FOXDALE, HALTERWORTH LANE, ROMSEY, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01149 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 20/01/1984 Effective Date: 20/01/1984 Revocation Date: 31/03/1997
10	244m NW	FOXDALE, FOXDALE, HALTERWORTH LANE, ROMSEY, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01149 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 20/01/1984 Effective Date: 20/01/1984 Revocation Date: 31/03/1997
C	253m SE	WHITBREAD WESTWARD, WHITBREAD WESTWARD, LUZBOROUGH HOUSE, LUZBOROUGH LANE, ROMSEY HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P00240 Permit Version: 1 Receiving Water: INTO LAND	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 11/03/1986 Effective Date: 11/03/1986 Revocation Date: 20/12/2012
C	253m SE	WHITBREAD WESTWARD, WHITBREAD WESTWARD, LUZBOROUGH HOUSE, LUZBOROUGH LANE, ROMSEY HAMPSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P00240 Permit Version: 2 Receiving Water: INTO LAND	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
D	256m NW	FOXDALE, FOXDALE, HALTERWORTH LANE, ROMSEY, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01149 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 20/01/1984 Effective Date: 20/01/1984 Revocation Date: 31/03/1997

ID	Location	Address	Details	
D	265m NW	FOXDALE, FOXDALE, HALTERWORTH LANE, ROMSEY, HAMPSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N01149 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 20/01/1984 Effective Date: 20/01/1984 Revocation Date: 31/03/1997
12	324m NW	HAREFIELD ESTATE SEWAGE WORKS, HAREFIELD ESTATE SEWAGE WORKS, ROMSEY, HAMPSHIRE, SO51 7NR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: H01033 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 18/10/1963 Effective Date: 18/10/1963 Revocation Date: 04/11/1992
15	447m N	CRAMPMOOR CARAVAN SITE, CRAMPMOOR CARAVAN SITE, CRAMPMOOR HAMPSHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: H01079 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 22/01/1965 Effective Date: 22/01/1965 Revocation Date: 16/10/1992

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m	**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1

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 30 >**

ID	Location	Details	
11	316m N	Incident Date: 21/01/2002 Incident Identification: 53522 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

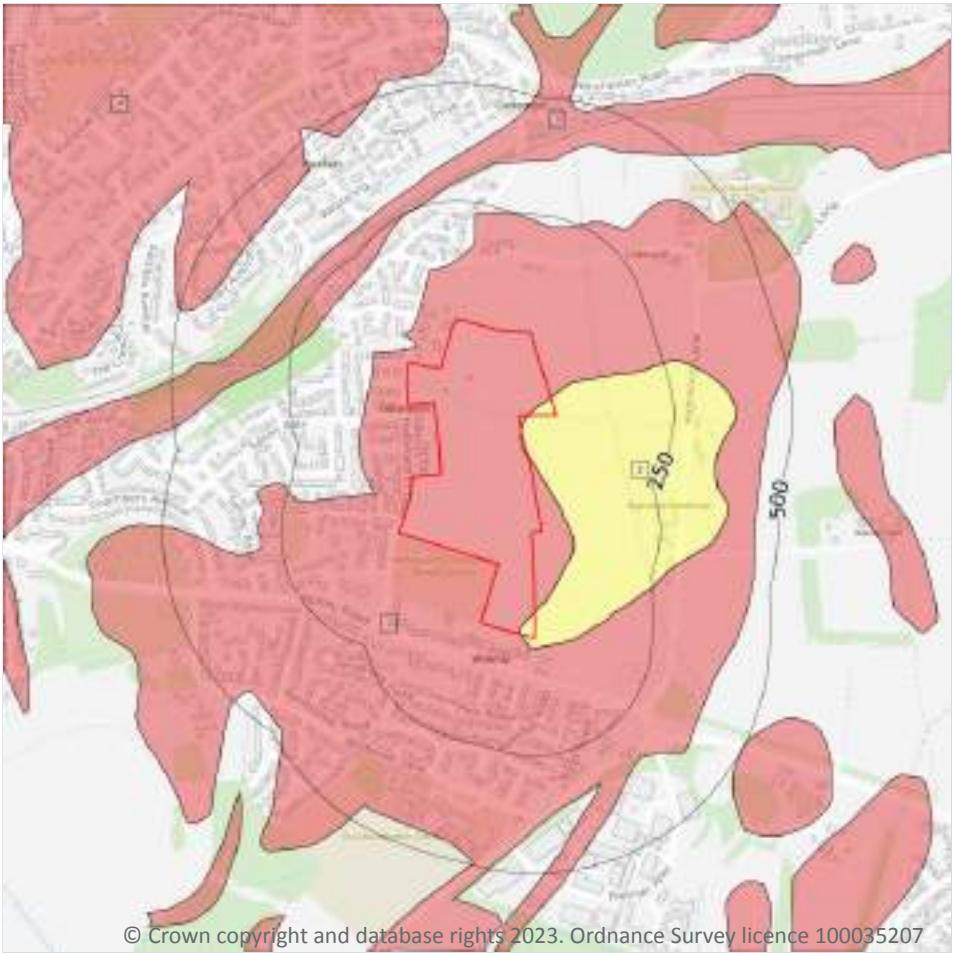
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

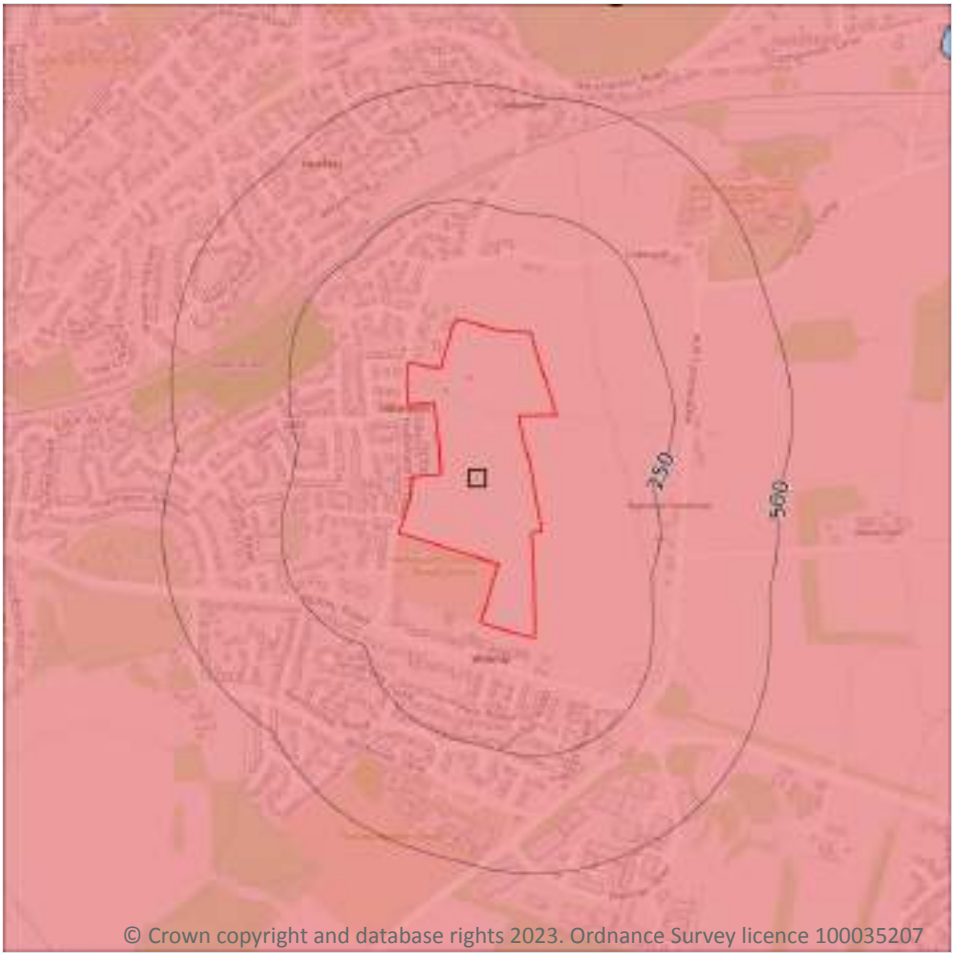
Features are displayed on the Hydrogeology map on **page 38 >**

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	200m NW	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
4	424m NW	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.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	1

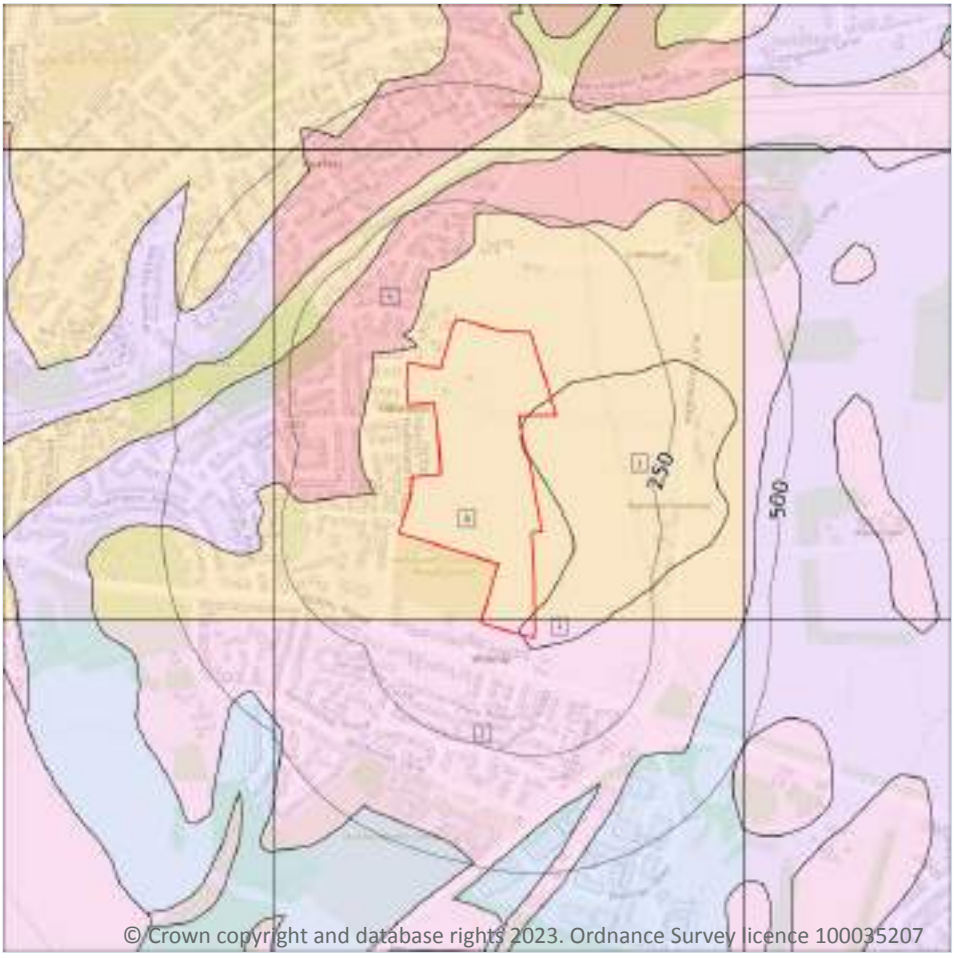
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 40 >**

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	5

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 41 >**

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: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium**	**Vulnerability: Low Aquifer type: Secondary Flow mechanism: Intergranular**
2	**On site**	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium**	**Vulnerability: Low Aquifer type: Secondary Flow mechanism: Intergranular**
3	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Intergranular**
4	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Intergranular**
5	28m NW	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Intergranular

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

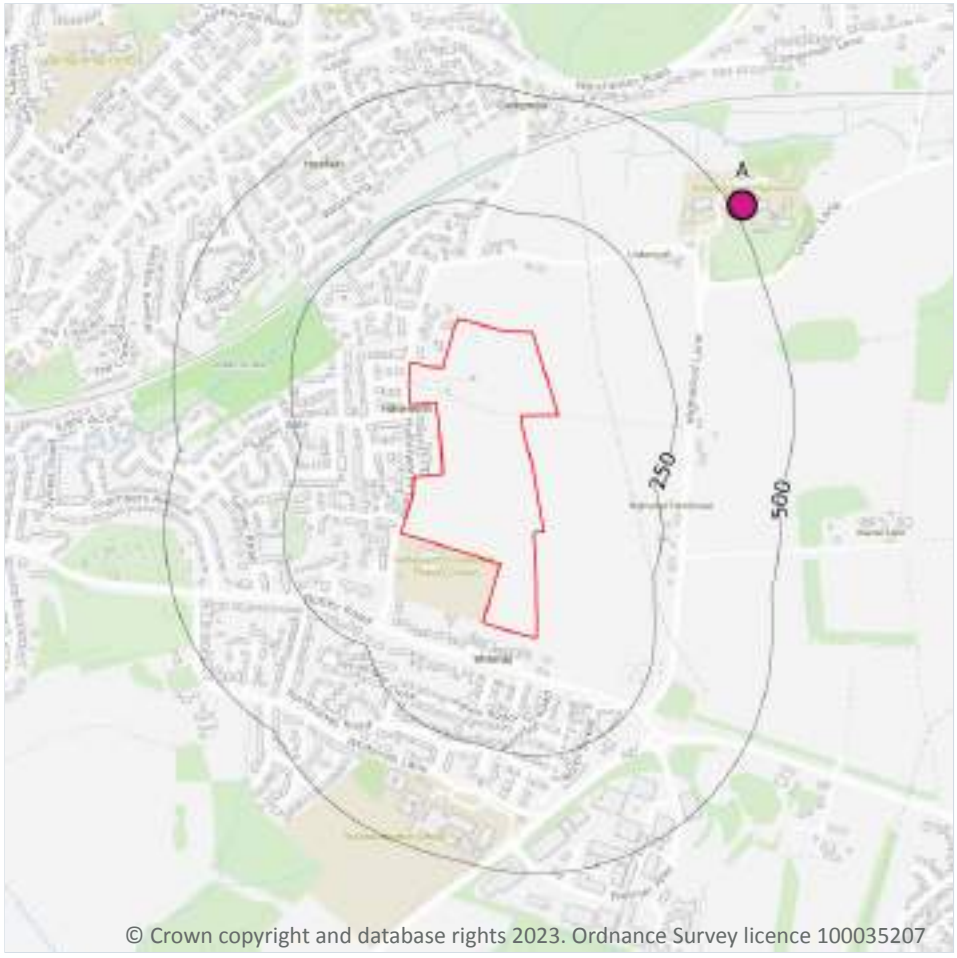
5.5 Groundwater vulnerability- local information

Records on site	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



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	6

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 44 >**

ID	Location	Details	
A	521m NE	Status: Historical Licence No: 11/42/18.15/403 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Southern Region Groundwater Point: STROUD SCHOOL Data Type: Point Name: Stroud School Easting: 437990 Northing: 121880	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 26/11/1965 Version End Date: -
-	1208m NE	Status: Active Licence No: 11/42/18.15/400 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: TADBURN LAKE STREAM AT GANGER WOODS, WOODLY, HAMPSHIRE Data Type: Point Name: Hillier Nurseries Limited Easting: 438032 Northing: 122716	Annual Volume (m^3): 54552 Max Daily Volume (m^3): 455 Original Application No: NPS/WR/033446 Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 26/10/2020 Version End Date: -
-	1208m NE	Status: Active Licence No: 11/42/18.15/400 Details: Spray Irrigation - Storage Direct Source: Southern Region Groundwater Point: TADBURN LAKE STREAM AT GANGER WOODS, WOODLY, HAMPSHIRE Data Type: Point Name: Hillier Nurseries Limited Easting: 438032 Northing: 122716	Annual Volume (m^3): 54552 Max Daily Volume (m^3): 455 Original Application No: NPS/WR/033446 Original Start Date: 26/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 26/10/2020 Version End Date: -
-	1258m N	Status: Active Licence No: 11/42/18.15/527 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: BRACKENWOOD, AMPFIELD Data Type: Point Name: Hillier Nurseries Limited Easting: 438010 Northing: 122780	Annual Volume (m^3): 4546 Max Daily Volume (m^3): 272.76 Original Application No: 169/0145 Original Start Date: 11/07/1977 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1312m NE	Status: Historical Licence No: 11/42/18.15/400 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: BRACKENWOOD, AMPFIELD Data Type: Point Name: Hillier Nurseries Ltd Easting: 438100 Northing: 122800	Annual Volume (m^3): 54552 Max Daily Volume (m^3): 455 Original Application No: - Original Start Date: 26/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/03/2016 Version End Date: -

ID	Location	Details	
-	1582m N	Status: Historical Licence No: 11/42/18.15/555 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: GANGER FARM, ROMSEY Data Type: Point Name: Marshall Easting: 437460 Northing: 123220	Annual Volume (m^3): 3636.8 Max Daily Volume (m^3): 125.47 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/06/2009 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**4**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 44 >**

ID	Location	Details	
-	1673m NE	Status: Active Licence No: 33/237/R01 Details: Make-Up Or Top Up Water Direct Source: Southern Region Surface Waters Point: TADBURN LAKE STREAM AT CRAMPMOOR FARM (POINT B) Data Type: Point Name: Crampmoor Fish Farms Easting: 438964 Northing: 122497	Annual Volume (m^3): 16330 Max Daily Volume (m^3): 300 Original Application No: NPS/WR/015509 Original Start Date: 04/06/2014 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2021 Version End Date: -
-	1678m NE	Status: Historical Licence No: 33/237 Details: Make-Up Or Top Up Water Direct Source: Southern Region Surface Waters Point: POINT B AT CRAMPMOOR FARM Data Type: Point Name: Mr&Mrs R Lawes Mr&Mrs M Stollery T/A Crampmoor Fish Farms Easting: 438900 Northing: 122600	Annual Volume (m^3): 16330 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: - Expiry Date: 03/06/2014 Issue No: 2 Version Start Date: 28/04/2004 Version End Date: -

ID	Location	Details	
-	1826m NE	Status: Active Licence No: 33/237/R01 Details: Make-Up Or Top Up Water Direct Source: Southern Region Surface Waters Point: TADBURN LAKE STREAM AT CRAMPMOOR FARM (POINT A) Data Type: Point Name: Crampmoor Fish Farms Easting: 439059 Northing: 122631	Annual Volume (m^3): 16330 Max Daily Volume (m^3): 300 Original Application No: NPS/WR/015509 Original Start Date: 04/06/2014 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2021 Version End Date: -
-	1899m NE	Status: Historical Licence No: 33/237 Details: Make-Up Or Top Up Water Direct Source: Southern Region Surface Waters Point: POINT A AT CRAMPMOOR FARM Data Type: Point Name: Mr&Mrs R Lawes Mr&Mrs M Stollery T/A Crampmoor Fish Farms Easting: 439100 Northing: 122700	Annual Volume (m^3): 16330 Max Daily Volume (m^3): 300 Original Application No: - Original Start Date: - Expiry Date: 03/06/2014 Issue No: 2 Version Start Date: 28/04/2004 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m **1**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 44 >**

ID	Location	Details	
A	521m NE	Status: Historical Licence No: 11/42/18.15/403 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Southern Region Groundwater Point: STROUD SCHOOL Data Type: Point Name: Stroud School Easting: 437990 Northing: 121880	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 26/11/1965 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	4

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 49 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	213m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
5	241m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	244m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tadburn Lake
7	244m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tadburn Lake

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**2**

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 49 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	**2**

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 49 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Tadburn Lake**	**GB107042016490**	**Test Lower and Southampton Streams**	**Test and Itchen**
2	**On site**	**River**	**Luzborough Lane Stream**	**GB107042016800**	**Test Lower and Southampton Streams**	**Test and Itchen**

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

6.4 WFD Surface water bodies

Records identified	2

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 49 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
8	248m NW	River	Tadburn Lake	GB107042016490 ↗	Moderate	Fail	Moderate	2019
-	1064m SW	River	Luzborough Lane Stream	GB107042016800 ↗	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

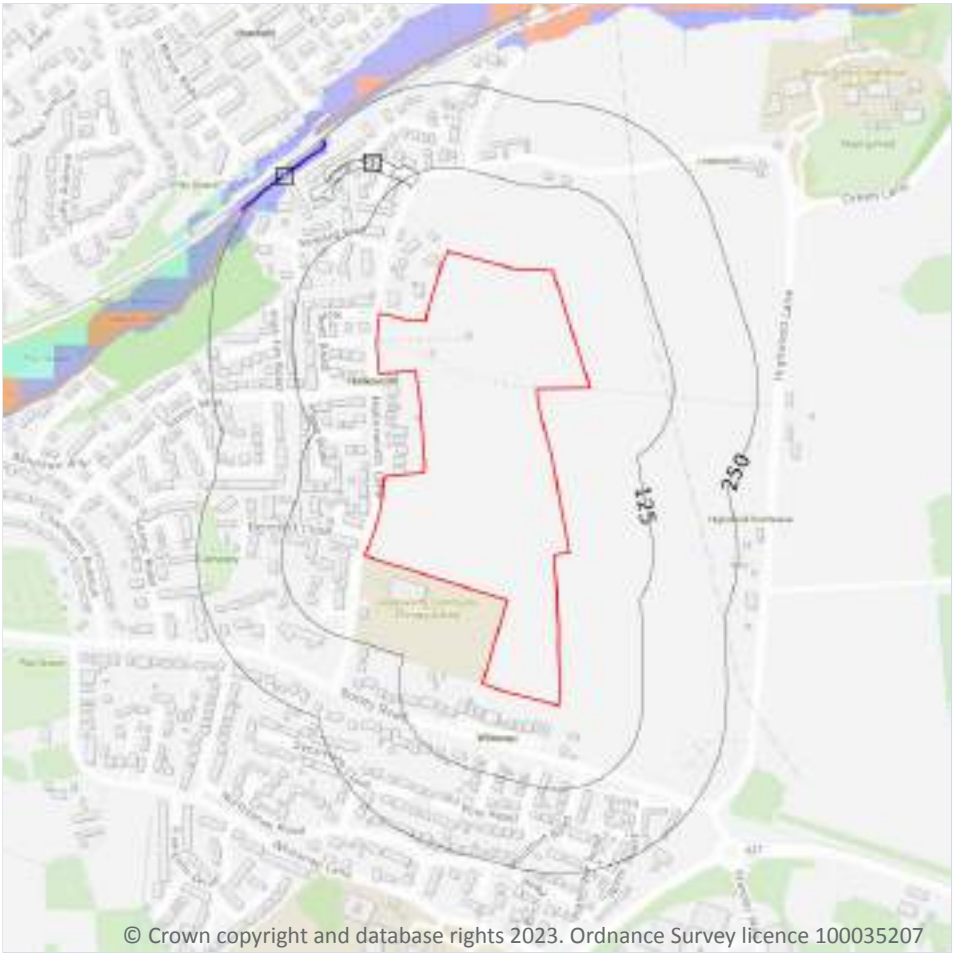
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 49 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
3	**On site**	**Central Hants Bracklesham Group**	**GB40702G500900 ↗**	**Good**	**Good**	**Good**	**2019**

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	1

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

Features are displayed on the River and coastal flooding map on **page 52 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	110m N	24/12/1999_Tadburn Lake_Romsey(1)	1999-12-24 1999-12-24	Unknown	Unknown	Fluvial

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

7.3 Flood Defences

Records within 250m	1

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

Features are displayed on the River and coastal flooding map on **page 52 >**

ID	Location	Update
B	241m NW	08/11/2022

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

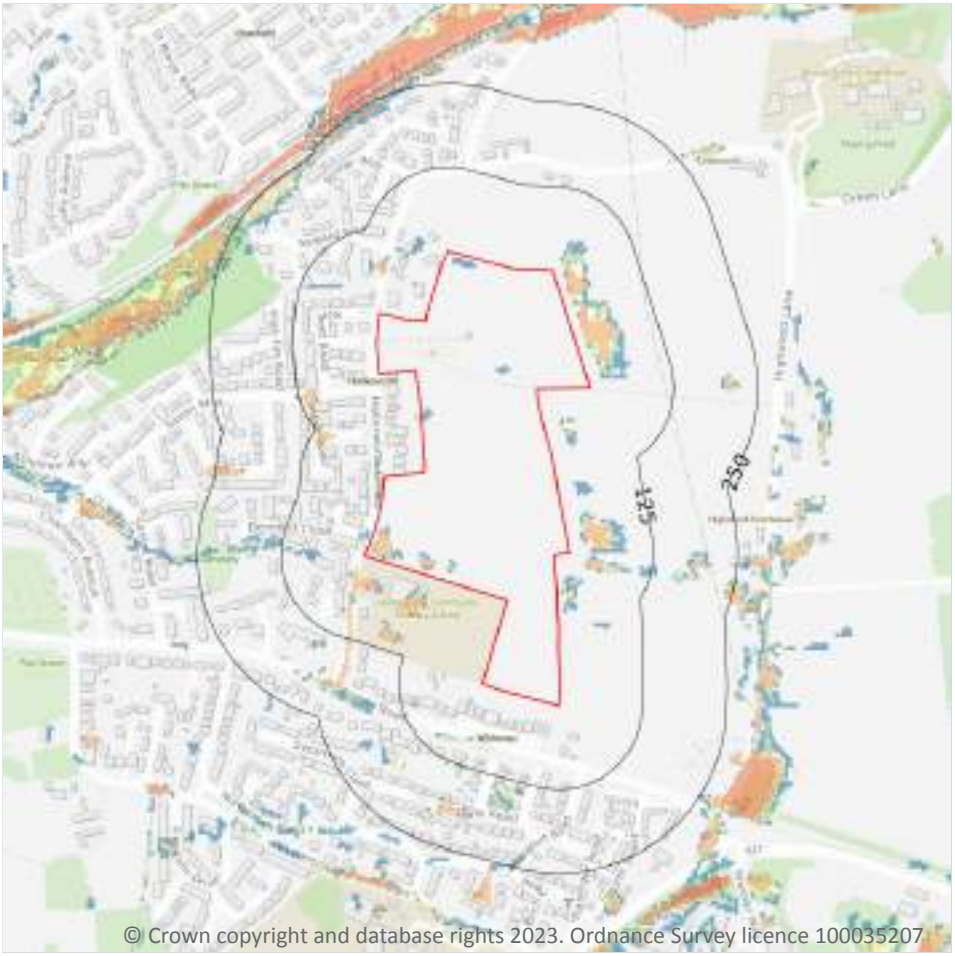
7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 30 year, 0.1m - 0.3m**

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

Features are displayed on the Surface water flooding map on **page 56 >**

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

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

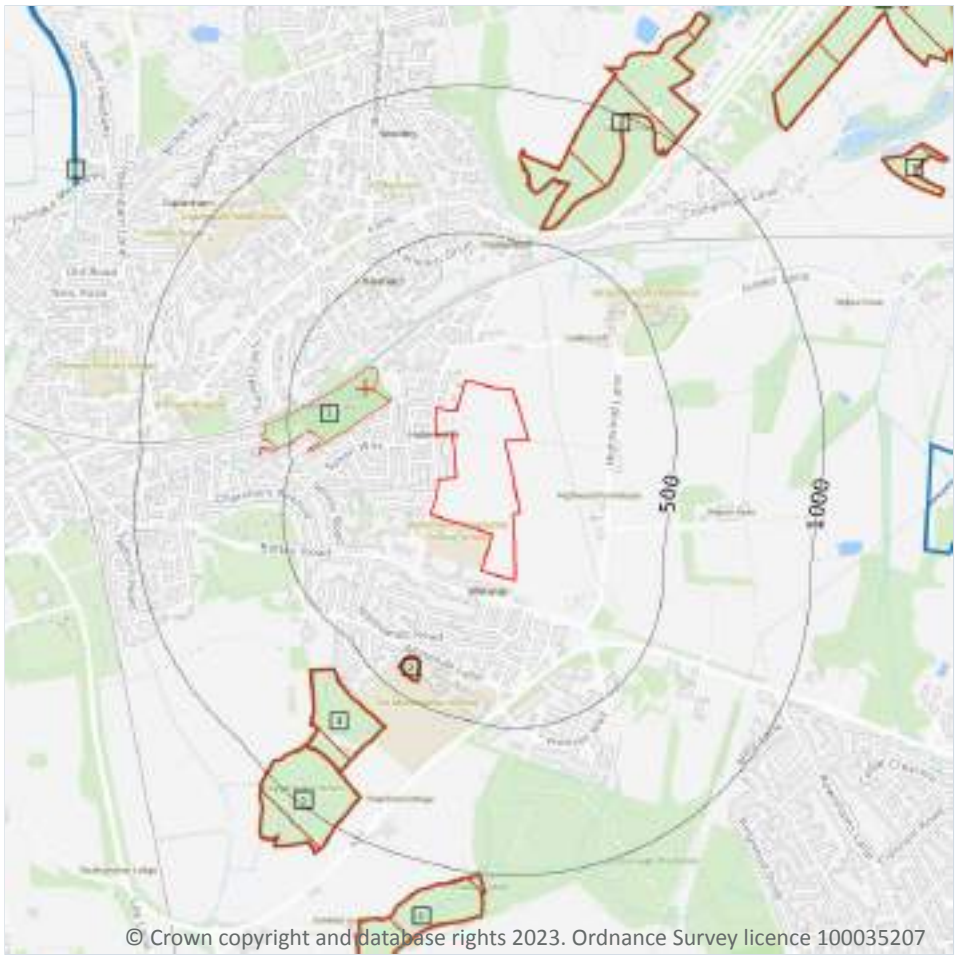
Highest risk on site	**Moderate-High**
Highest risk within 50m	**Moderate-High**

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 58 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

Special Areas of Conservation (SAC)

Local Nature Reserves (LNR)

Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	4

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

Features are displayed on the Environmental designations map on **page 59 >**

ID	Location	Name	Data source
A	1363m E	Baddesley Common and Emer Bog	Natural England

ID	Location	Name	Data source
8	1439m NW	River Test	Natural England
10	1492m NW	River Test	Natural England
-	1954m W	River Test	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	**1**

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.

Features are displayed on the Environmental designations map on **page 59 >**

ID	Location	Name	Features of interest	Habitat description	Data source
A	1363m E	Emer Bog	Very wet mires often identified by an unstable `quaking` surface.	Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens	Natural England

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	1

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

Features are displayed on the Environmental designations map on **page 59 >**

ID	Location	Name	Data source
1	154m NW	Tadburn Meadows	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	12

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 59 >**

ID	Location	Name	Woodland Type
2	370m S	Unknown	Ancient & Semi-Natural Woodland
3	551m N	Unknown	Ancient & Semi-Natural Woodland
4	601m SW	Beggarspath Wood	Ancient Replanted Woodland
5	822m SW	Beggarspath Wood	Ancient & Semi-Natural Woodland
6	1005m S	Parkers Moor Wood	Ancient & Semi-Natural Woodland
7	1275m NE	Ganger Wood/south Holmes Copse	Ancient & Semi-Natural Woodland
9	1475m NE	Unknown	Ancient & Semi-Natural Woodland
-	1656m S	Hoe Copse	Ancient & Semi-Natural Woodland
-	1792m S	Unknown	Ancient & Semi-Natural Woodland
-	1843m S	Unknown	Ancient Replanted Woodland
-	1950m NE	Sheephouse Row	Ancient Replanted Woodland
-	1959m E	Lights Copse	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

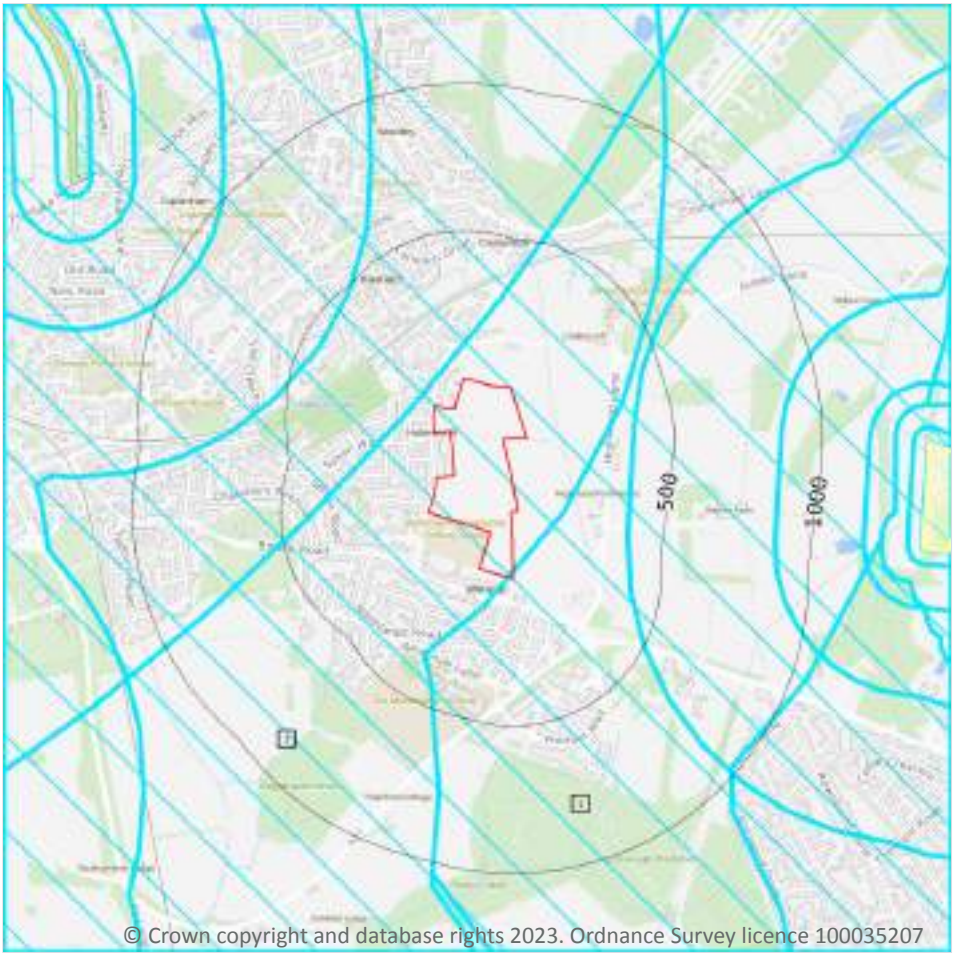
Records within 2000m	1

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

Location	Name	Type	NVZ ID	Status
On site	**Hamble Estuary Eutrophic NVZ (TraC)**	**Eutrophic Water**	**3**	**Existing**

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

Not recorded

Favourable

Unfavourable - Recovering

Unfavourable - No change

Unfavourable - Declining

Partially destroyed

Destroyed

10.17 SSSI Impact Risk Zones

Records on site	2

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

Features are displayed on the SSSI Impact Zones and Units map on **page 65 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.** **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.** **Residential - Residential development of 100 units or more.** **Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas.** **Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).** **Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion** **Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.** **Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management** **Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.** **Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.** **Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.**

ID	Location	Type of developments requiring consultation
2	On site	**Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. 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. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**4**

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

Features are displayed on the SSSI Impact Zones and Units map on **page 65 >**

ID:	18
Location:	1363m E
SSSI name:	Baddesley Common and Emer Bog
Unit name:	Baddesley Common
Broad habitat:	Dwarf Shrub Heath - Lowland
Condition:	Unfavourable - Recovering

Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage F003 scrub-heath & moorland	Unfavourable - Recovering	21/03/2014
Lowland mire grassland and rush pasture	Unfavourable - Recovering	19/11/2013
Wet woodland	Unfavourable - Recovering	19/11/2013

ID: 21
Location: 1439m NW
SSSI name: River Test
Unit name: River Channel Unit - Dun To Romsey
Broad habitat: Rivers And Streams
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
Rivers and Streams	Unfavourable - No change	11/02/2013

ID: -
Location: 1665m E
SSSI name: Baddesley Common and Emer Bog
Unit name: 3
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Wet woodland	Unfavourable - Recovering	09/07/2014

ID: -
Location: 1724m E
SSSI name: Baddesley Common and Emer Bog
Unit name: Emer Bog
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - No change
Reportable features:

Feature name	Feature condition	Date of assessment
H7140 Transition mires and quaking bogs	Unfavourable - No change	20/11/2013
Invert. assemblage F003 scrub-heath & moorland	Unfavourable - No change	21/03/2014
Invert. assemblage W312 sphagnum bog	Unfavourable - Recovering	20/11/2013
Lowland dry heath	Unfavourable - Recovering	20/11/2013
Lowland mire grassland and rush pasture	Unfavourable - Recovering	20/11/2013
Lowland wet heath	Unfavourable - Recovering	20/11/2013
Valley fen (lowland)	Unfavourable - Recovering	20/11/2013
Wet woodland	Unfavourable - Recovering	20/11/2013

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

11 Visual and cultural designations

Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

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	1

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.

Features are displayed on the Visual and cultural designations map on **page 70 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	71m S	Luzborough Cottage	II	1323738	06/04/1998

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

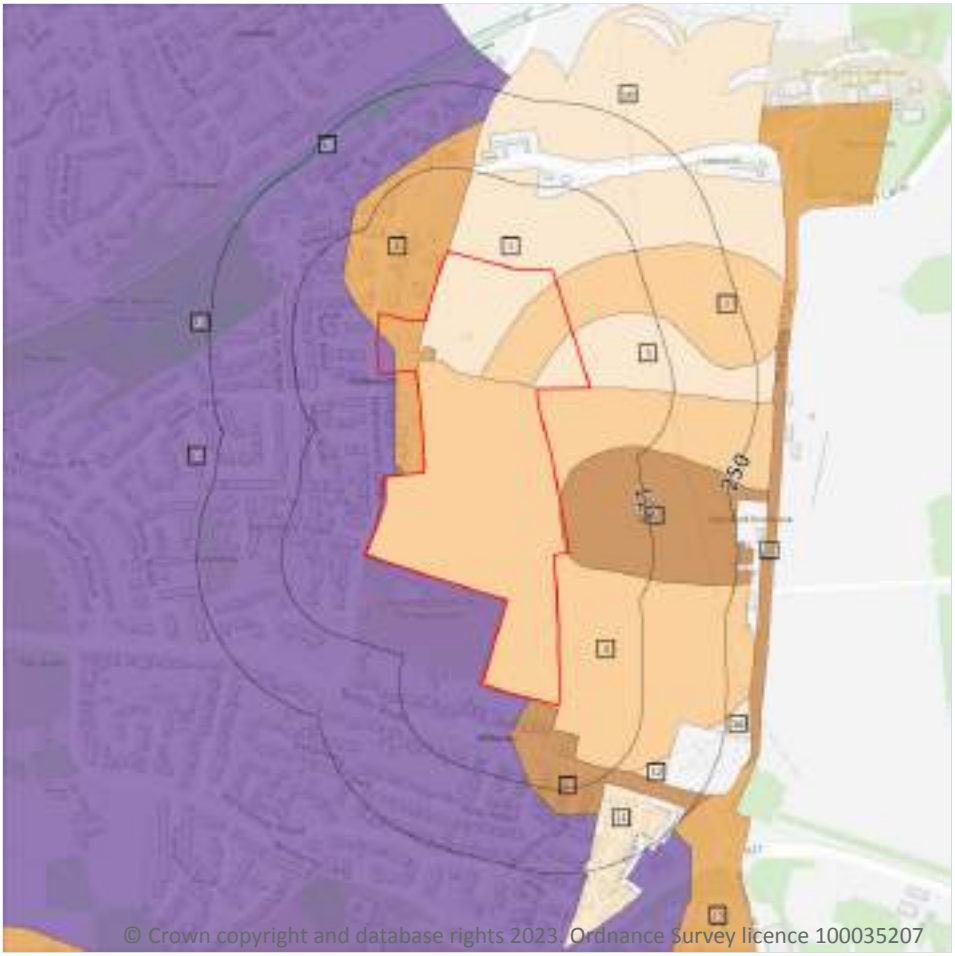
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m	13

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 73 >**

ID	Location	Classification	Description
1	**On site**	**Grade 3b**	**Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.**

ID	Location	Classification	Description
2	**On site**	**Grade 3a**	**Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.**
3	**On site**	**Grade 3b**	**Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.**
4	**On site**	**Grade 3a**	**Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.**
5	**On site**	**Grade 2**	**Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.**
6	**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.**
7	**On site**	**Urban**	**-**
8	3m S	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
10	132m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
11	133m S	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
12	149m SE	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
16	222m SE	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
19	249m SE	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	2

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.

Features are displayed on the Agricultural designations map on **page 73 >**

ID	Location	Description	Reference	Application date
14	191m NW	Selective Fell/Thin (Conditional)	019/363/13-14	15/01/2014
17	230m N	Selective Fell/Thin (Conditional)	019/121/17-18	07/09/2017

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	3

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.

Location	Reference	Scheme	Start Date	End date
On site	**AG00338429**	**Entry Level plus Higher Level Stewardship**	**01/11/2010**	**31/10/2020**
On site	**AG00488253**	**Entry Level Stewardship**	**01/07/2013**	**30/06/2018**
135m NW	AG00505029	Higher Level Stewardship	01/12/2013	30/11/2023

This data is sourced from Natural England.

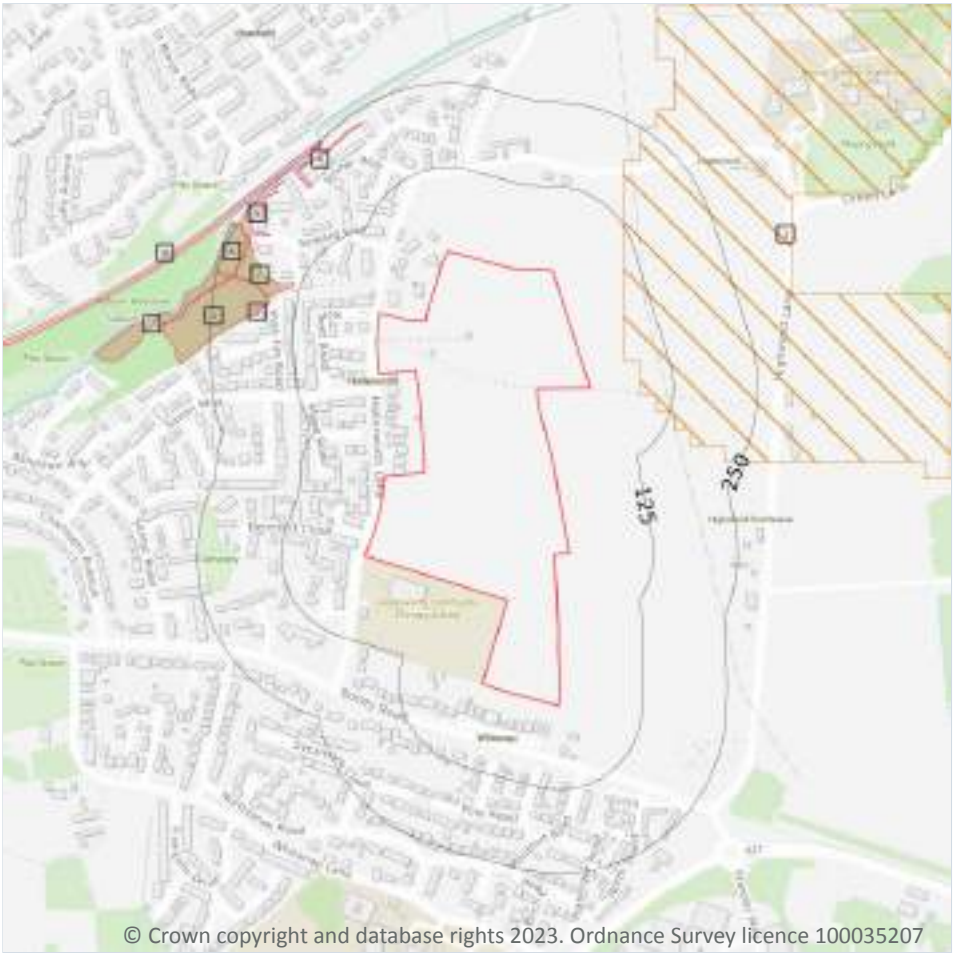
12.5 Countryside Stewardship Schemes

Records within 250m	**0**

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

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks
Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	9

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 77 >**

ID	Location	Main Habitat	Other habitats
2	134m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (FEP 50%); PMGRP (FEP 50%)
3	166m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	166m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (FEP 50%); PMGRP (FEP 50%)
5	200m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
A	213m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	220m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (FEP 50%); PMGRP (FEP 50%)
7	226m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (FEP 50%); PMGRP (FEP 50%)
A	245m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	247m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**1**

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

Features are displayed on the Habitat designations map on **page 77 >**

ID	Location	Type	Habitat
1	60m NE	Network Enhancement Zone 1	Not specified

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

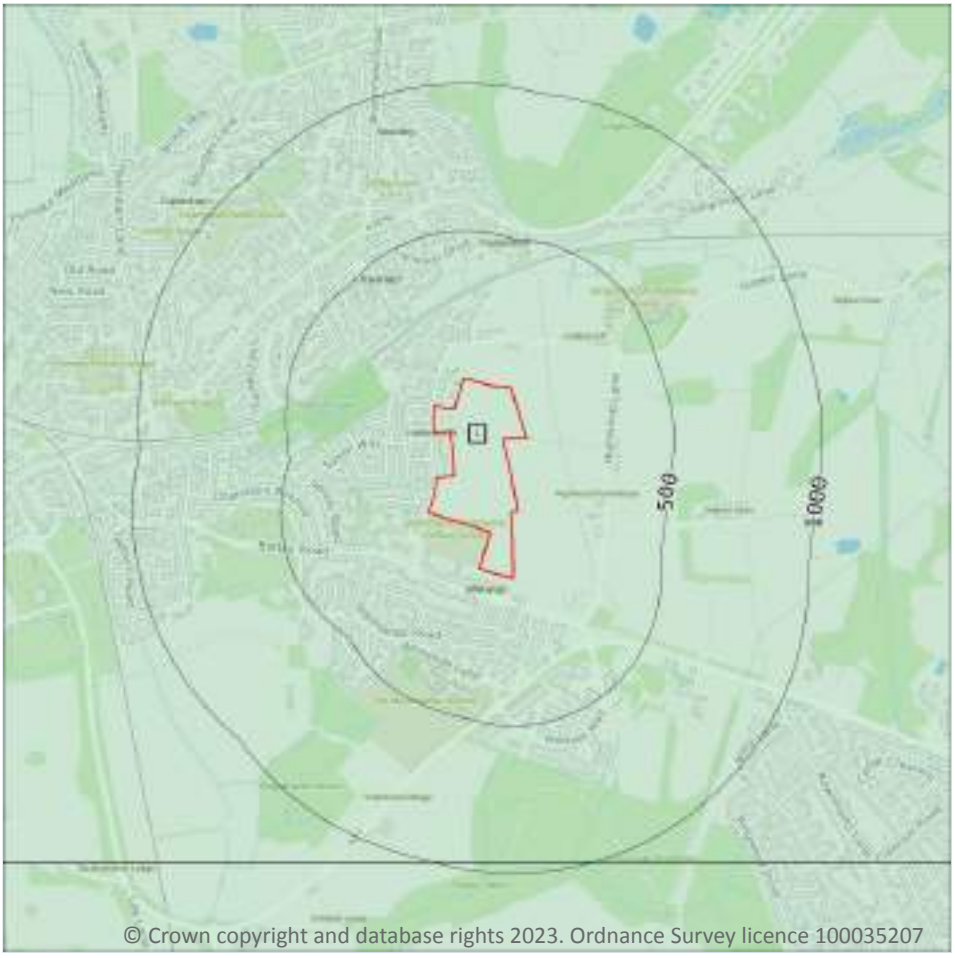
Records within 250m	**0**

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

14.1 10k Availability

Records within 500m	1

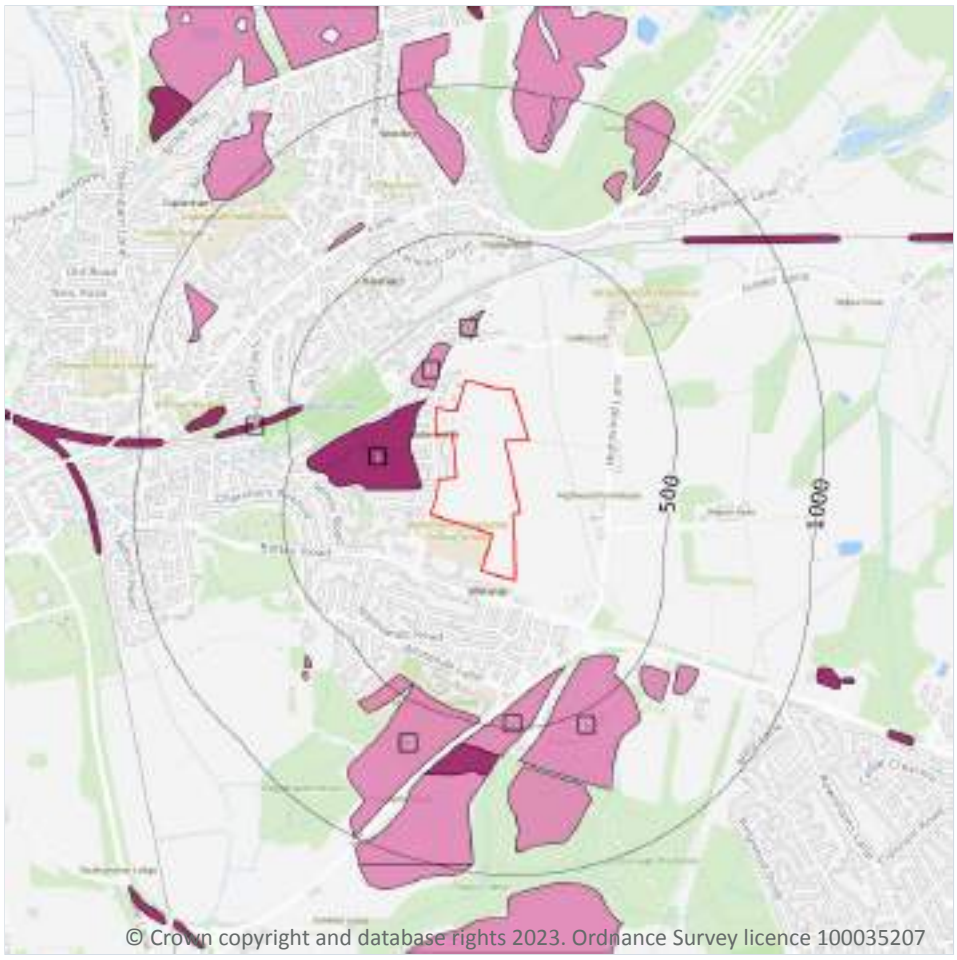
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 80 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SU32SE**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m **7**

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

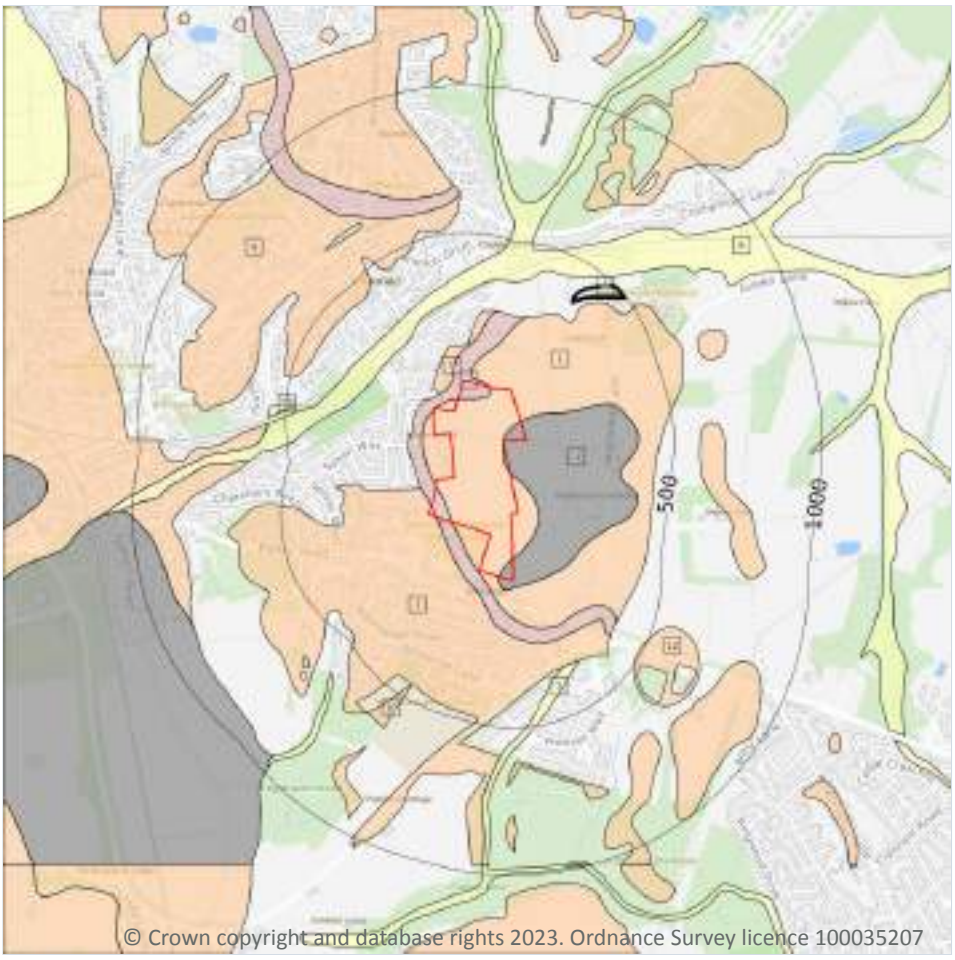
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 81 >**

ID	Location	LEX Code	Description	Rock description
1	42m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	65m NW	WGR-VOID	Worked Ground (Undivided)	Void
3	142m N	WGR-VOID	Worked Ground (Undivided)	Void
4	337m S	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	351m SE	WGR-VOID	Worked Ground (Undivided)	Void
6	446m S	WGR-VOID	Worked Ground (Undivided)	Void
7	452m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m	11

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 83 >**

ID	Location	LEX Code	Description	Rock description
1	On site	RTD5-XSV	River Terrace Deposits, 5 - Sand And Gravel	Sand And Gravel
2	On site	HEAD-V	Head - Gravel	Gravel
3	On site	RTD4-XSV	River Terrace Deposits, 4 - Sand And Gravel	Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	**On site**	**RTDU-Z**	**River Terrace Deposits (undifferentiated) - Silt (unlithified Deposits Coding Scheme)**	**Silt**
5	36m N	RTD4-XSV	River Terrace Deposits, 4 - Sand And Gravel	Sand And Gravel
6	224m NW	ALV-XSZC	Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
7	339m SE	ALV-XSZC	Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
9	437m NW	RTD4-XSV	River Terrace Deposits, 4 - Sand And Gravel	Sand And Gravel
10	455m S	RTD4-XSV	River Terrace Deposits, 4 - Sand And Gravel	Sand And Gravel
11	470m W	ALV-XSZC	Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
12	489m SE	RTD5-XSV	River Terrace Deposits, 5 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	**1**

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 83 >**

ID	Location	LEX Code	Description	Rock description
8	364m NE	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock

Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m **3**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 85 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**EA-SANDU**	**Earnley Sand Formation - Sand**	**Lutetian Age**
2	112m NW	WTT-SSCL	Wittering Formation - Sand, Silt And Clay	Lutetian Age - Ypresian Age
3	386m NW	EA-SANDU	Earnley Sand Formation - Sand	Lutetian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

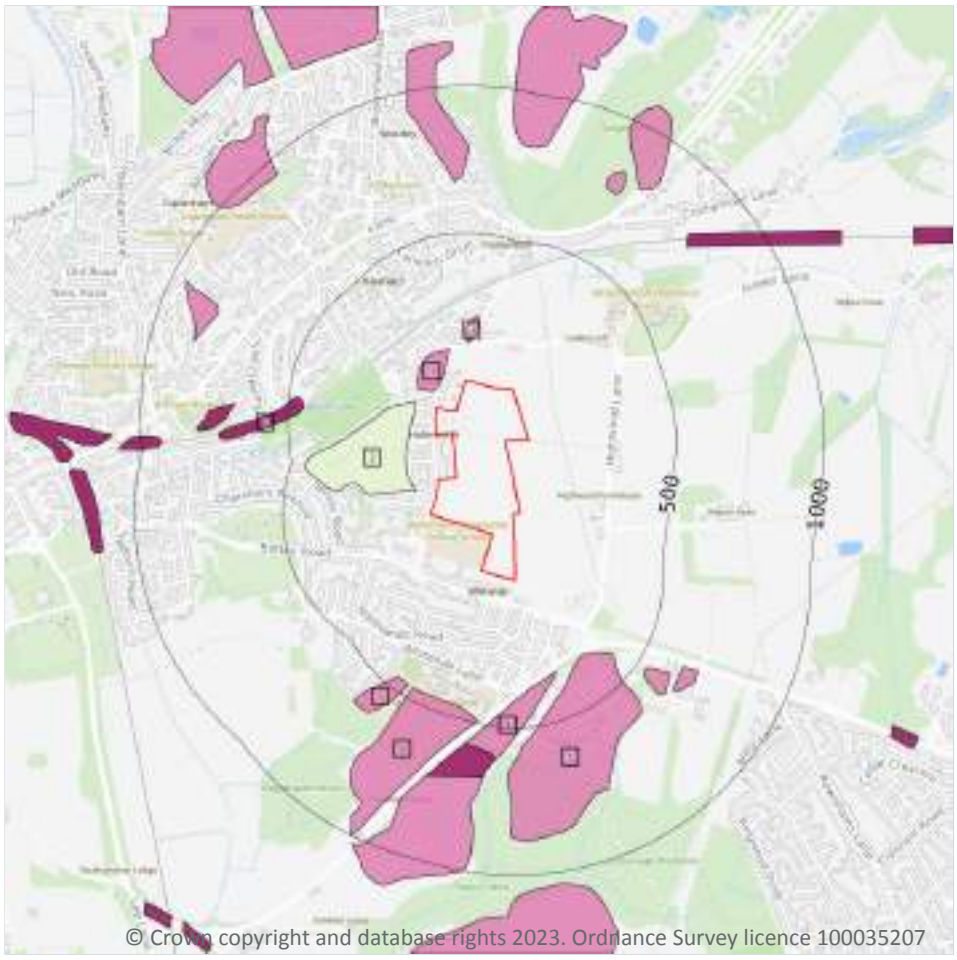
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 87 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW315_southampton_v4**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	8

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 88 >**

ID	Location	LEX Code	Description	Rock description
1	58m NW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	73m W	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	129m N	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
4	339m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

ID	Location	LEX Code	Description	Rock description
5	340m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
6	447m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
7	456m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
8	456m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

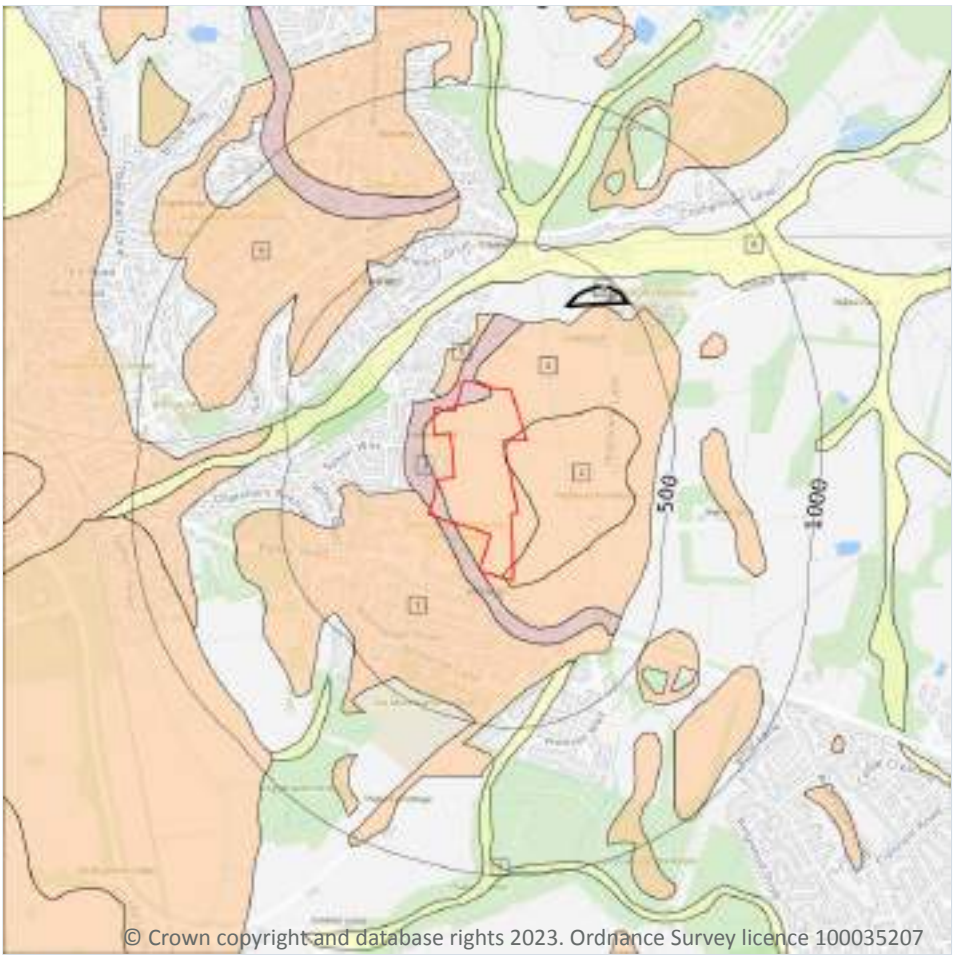
15.3 Artificial ground permeability (50k)

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 **8**

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 90 >**

ID	Location	LEX Code	Description	Rock description
1	On site	RTD4-XSV	RIVER TERRACE DEPOSITS, 4	SAND AND GRAVEL
2	On site	RTD5-XSV	RIVER TERRACE DEPOSITS, 5	SAND AND GRAVEL
3	On site	HEAD-XVSZC	HEAD	GRAVEL, SAND, SILT AND CLAY

ID	Location	LEX Code	Description	Rock description
4	**On site**	**RTD5-XSV**	**RIVER TERRACE DEPOSITS, 5**	**SAND AND GRAVEL**
5	21m N	RTD4-XSV	RIVER TERRACE DEPOSITS, 4	SAND AND GRAVEL
6	200m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
7	334m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
9	424m NW	RTD4-XSV	RIVER TERRACE DEPOSITS, 4	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **4**

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**	**Very High**	**Low**
On site	**Intergranular**	**Very High**	**High**
On site	**Intergranular**	**Very High**	**High**
21m N	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **1**

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 90 >**

ID	Location	LEX Code	Description	Rock description
8	342m NE	SLIP-UKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

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 **3**

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 93 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**EA-XSZC**	**EARNLEY SAND FORMATION - SAND, SILT AND CLAY**	**LUTETIAN**
2	119m NW	WTT-XSZC	WITTERING FORMATION - SAND, SILT AND CLAY	YPRESIAN
3	383m NW	EA-XSZC	EARNLEY SAND FORMATION - SAND, SILT AND CLAY	LUTETIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**High**	**Low**

This data is sourced from the British Geological Survey.

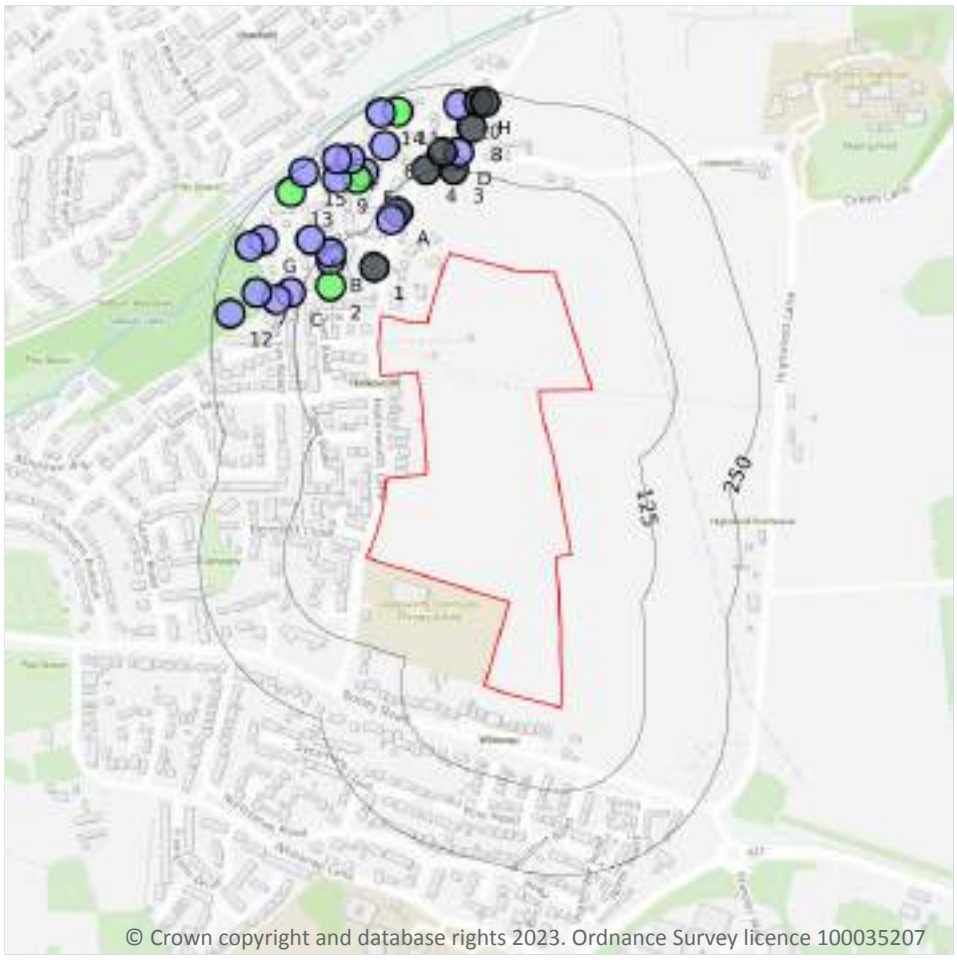
15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	31

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 95 >**

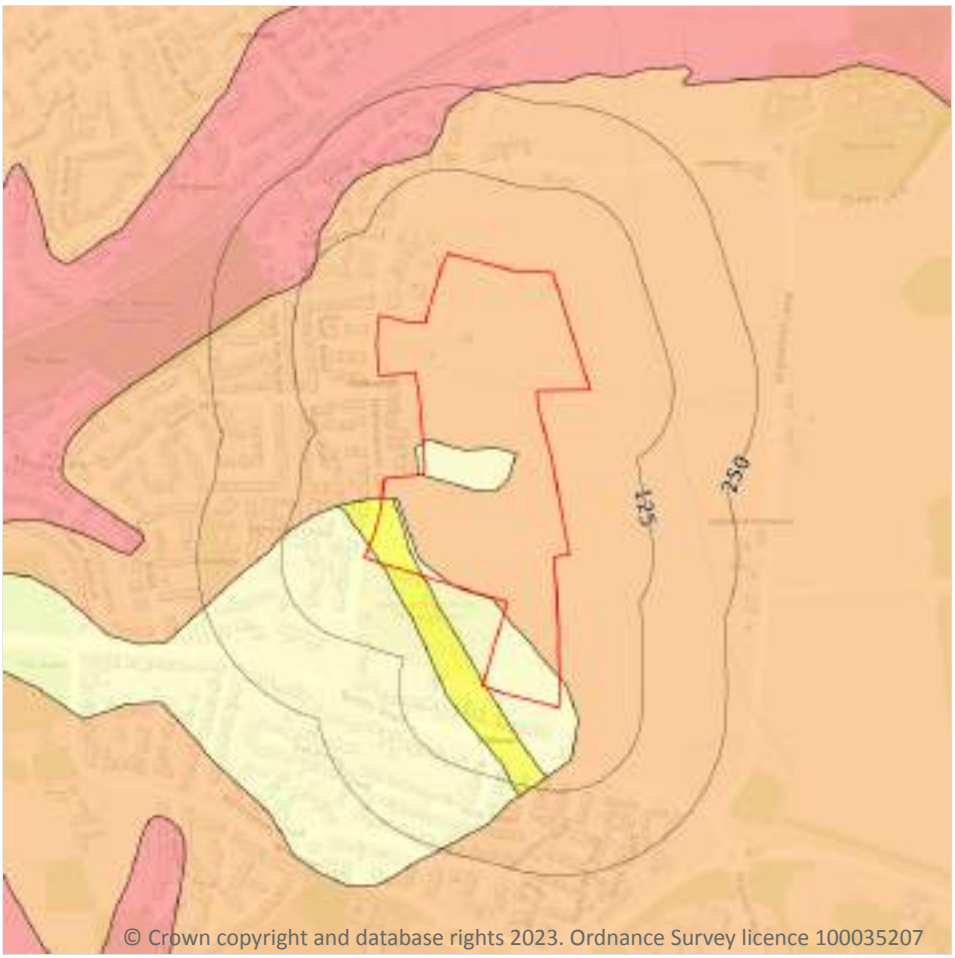
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	73m NW	437275 121619	HALTERWORTH LANE TP1	-	Y	N/A
2	87m NW	437210 121590	HALTERWORTH ROMSEY 1	10.95	N	406761 ↗
A	99m N	437310 121701	HALTERWORTH LANE TP2	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	102m N	437300 121690	HALTERWORTH ROMSEY 12	10.0	N	406772 ↗
B	112m NW	437210 121630	HALTERWORTH ROMSEY 2	10.0	N	406762 ↗
B	120m NW	437210 121640	HALTERWORTH FARM ROMSEY TP3	2.5	N	17285775 ↗
3	125m N	437393 121765	HALTERWORTH LANE TP5	-	Y	N/A
4	129m N	437353 121764	HALTERWORTH LANE TP3	-	Y	N/A
C	140m NW	437150 121580	HALTERWORTH FARM ROMSEY 3	5.7	N	17285769 ↗
D	151m N	437400 121790	HALTERWORTH ROMSEY 13	10.0	N	406773 ↗
D	151m N	437376 121790	HALTERWORTH LANE TP4	-	Y	N/A
5	155m NW	437180 121660	HALTERWORTH FARM ROMSEY TP5	1.5	N	17285781 ↗
C	158m NW	437130 121570	HALTERWORTH FARM ROMSEY TP6	1.7	N	17285782 ↗
E	176m NW	437260 121760	HALTERWORTH FARM ROMSEY TP2	2.5	N	17285772 ↗
E	177m NW	437250 121750	HALTERWORTH ROMSEY 3	10.2	N	406763 ↗
6	188m N	437290 121800	HALTERWORTH ROMSEY 10	8.2	N	406770 ↗
7	189m NW	437100 121580	HALTERWORTH ROMSEY 7	10.0	N	406767 ↗
8	189m N	437420 121826	HALTERWORTH LANE TP6	-	Y	N/A
9	201m NW	437220 121750	HALTERWORTH FARM ROMSEY TP1	3.0	N	17285770 ↗
F	204m NW	437240 121780	HALTERWORTH FARM ROMSEY TP4	2.1	N	17285779 ↗
G	209m NW	437110 121660	HALTERWORTH FARM ROMSEY 2	5.7	N	17285766 ↗
F	219m NW	437220 121780	HALTERWORTH ROMSEY 4	8.3	N	406764 ↗
10	221m N	437400 121860	HALTERWORTH ROMSEY 15	10.0	N	406775 ↗
G	221m NW	437090 121650	HALTERWORTH ROMSEY 6	10.0	N	406766 ↗
11	224m N	437310 121850	HALTERWORTH ROMSEY 16	12.0	N	406776 ↗
12	225m NW	437060 121550	HALTERWORTH ROMSEY 8	10.0	N	406768 ↗
13	228m NW	437150 121730	HALTERWORTH ROMSEY 5	12.0	N	406765 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
H	229m N	437430 121865	HALTERWORTH LANE TP7A	-	Y	N/A
H	231m N	437440 121865	HALTERWORTH LANE TP7	-	Y	N/A
14	233m N	437285 121849	HALTERWORTH CROSSING ROMSEY 2	5.0	N	15614237 ↗
15	242m NW	437170 121760	HALTERWORTH FARM ROMSEY 1	5.3	N	17285728 ↗

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	3

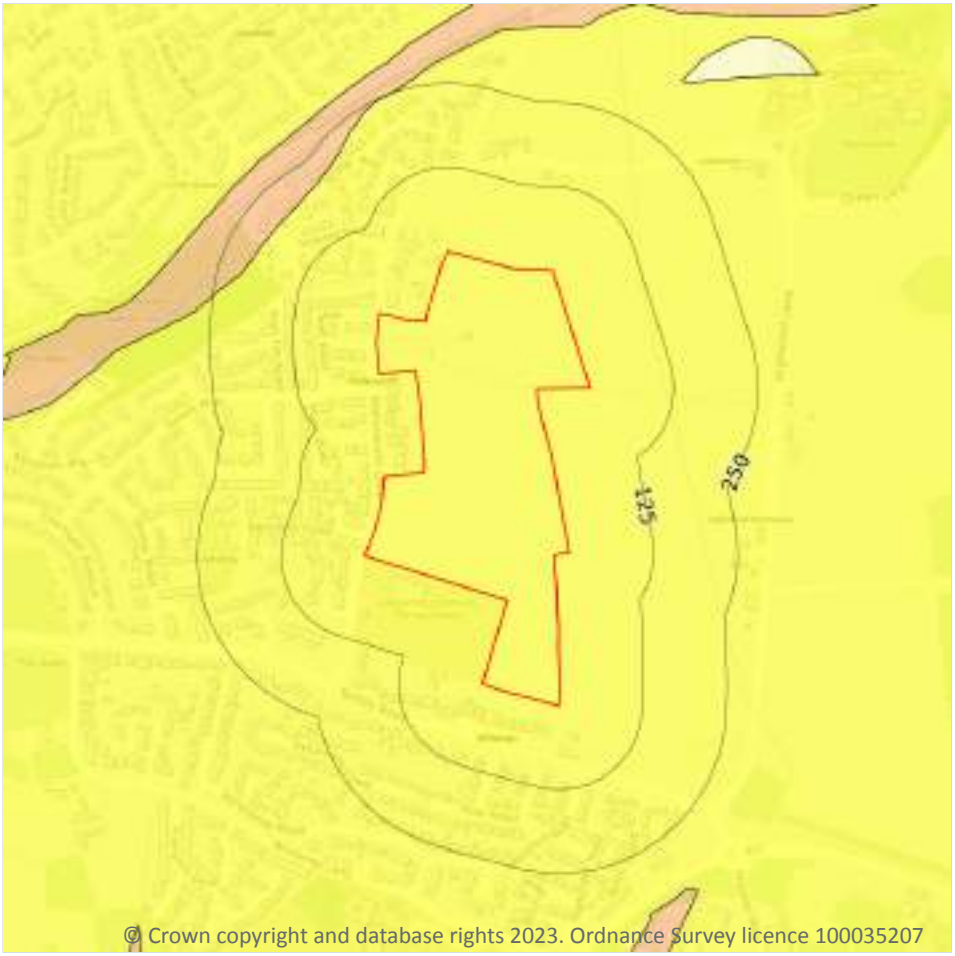
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 98 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**
On site	**Low**	**Ground conditions predominantly medium plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

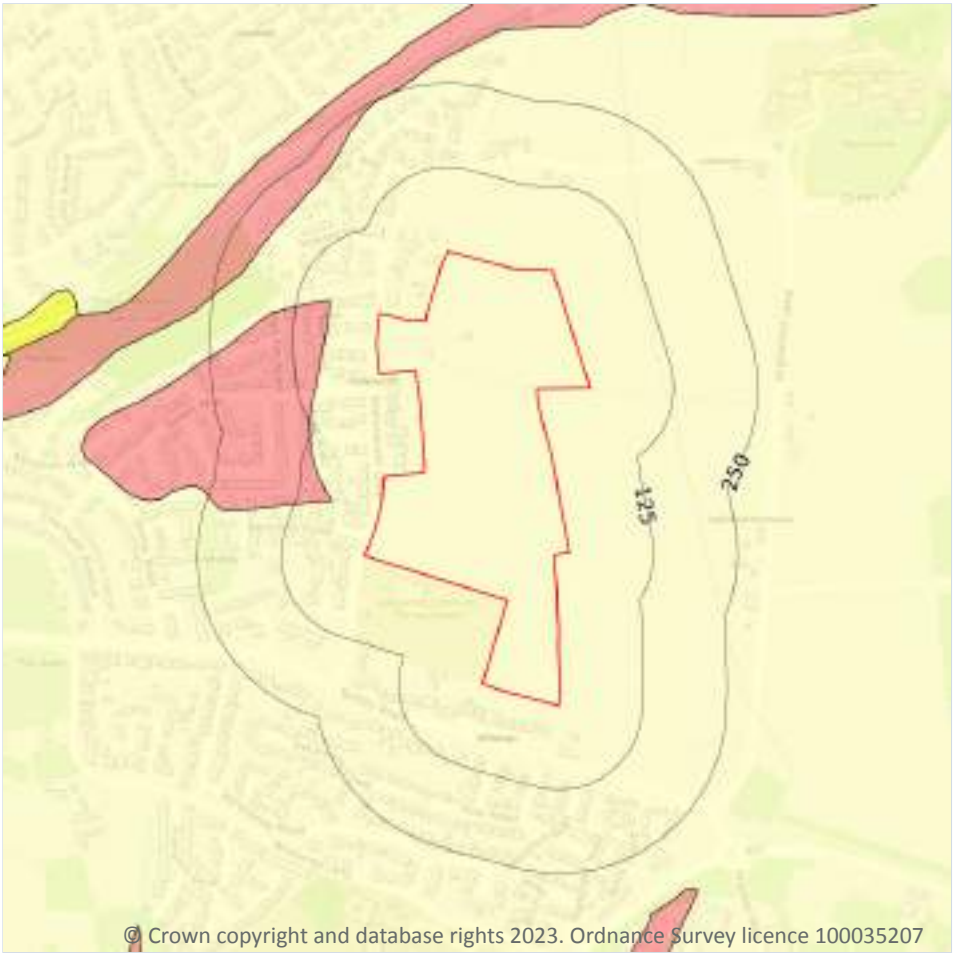
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

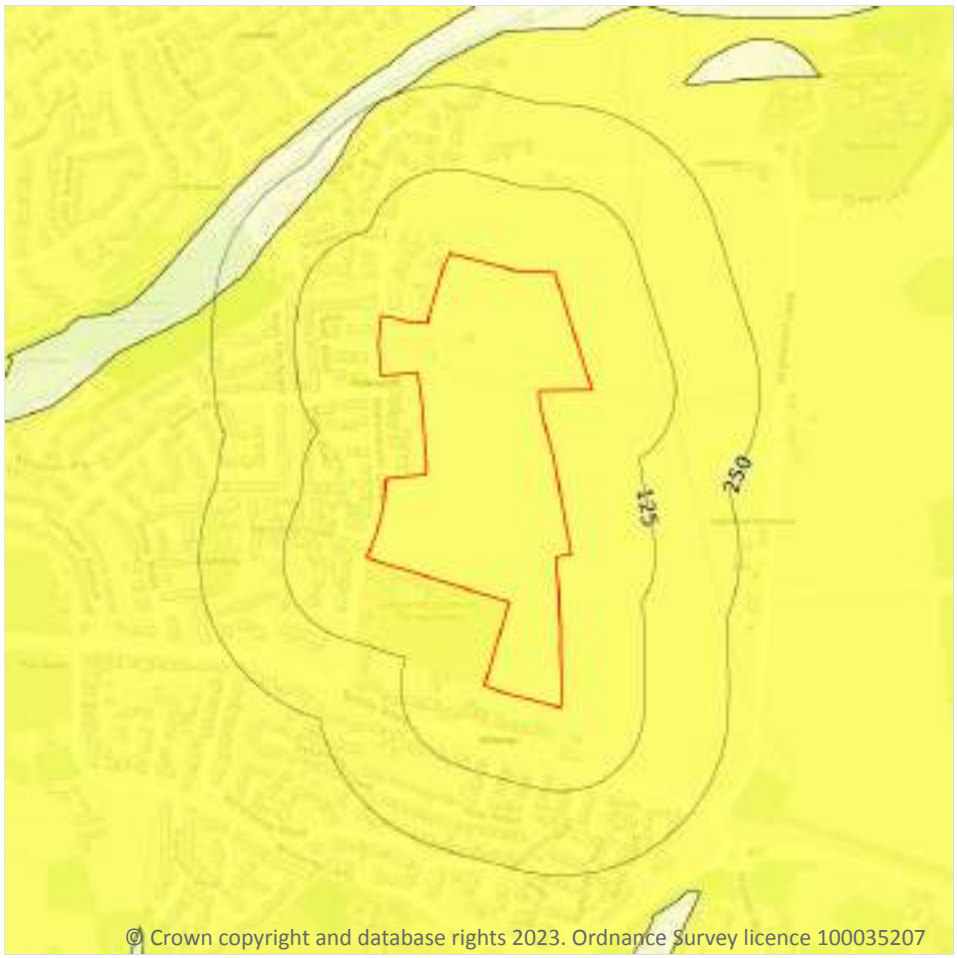
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 101 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

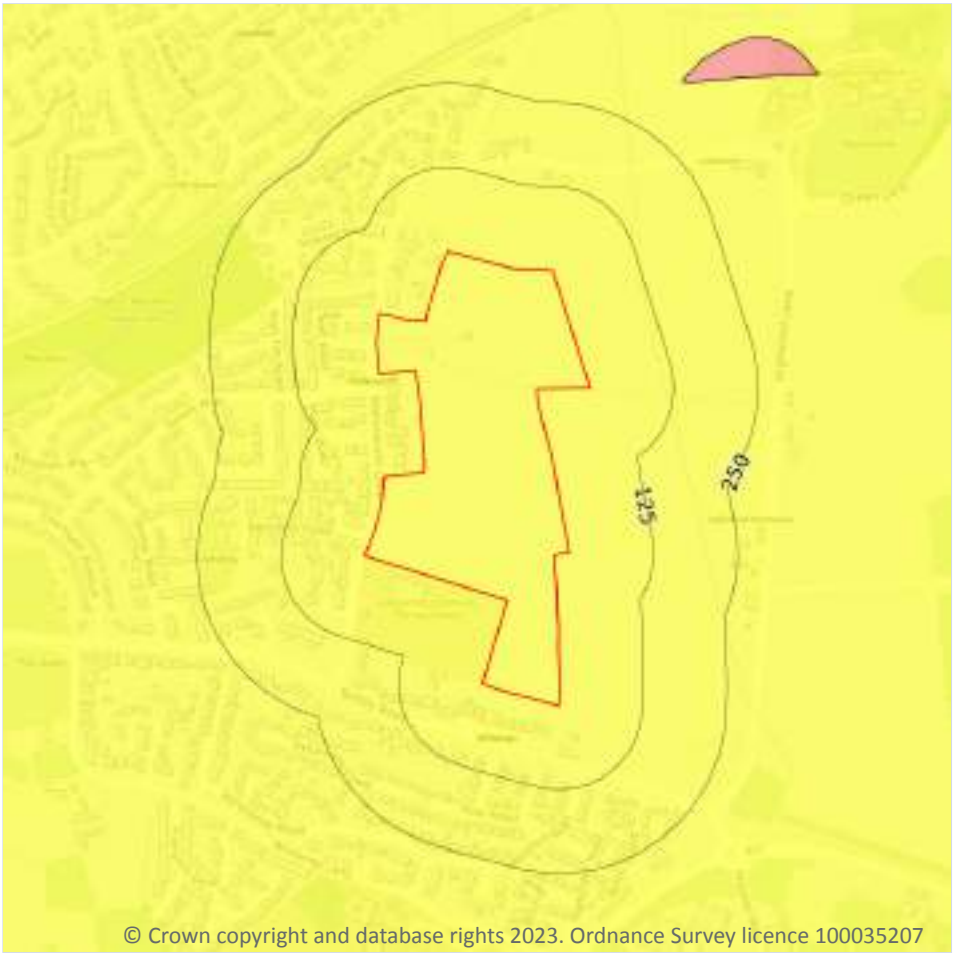
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 102 >**

Location	Hazard rating	Details
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



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

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

Features are displayed on the Natural ground subsidence - Landslides map on **page 103 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks

Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

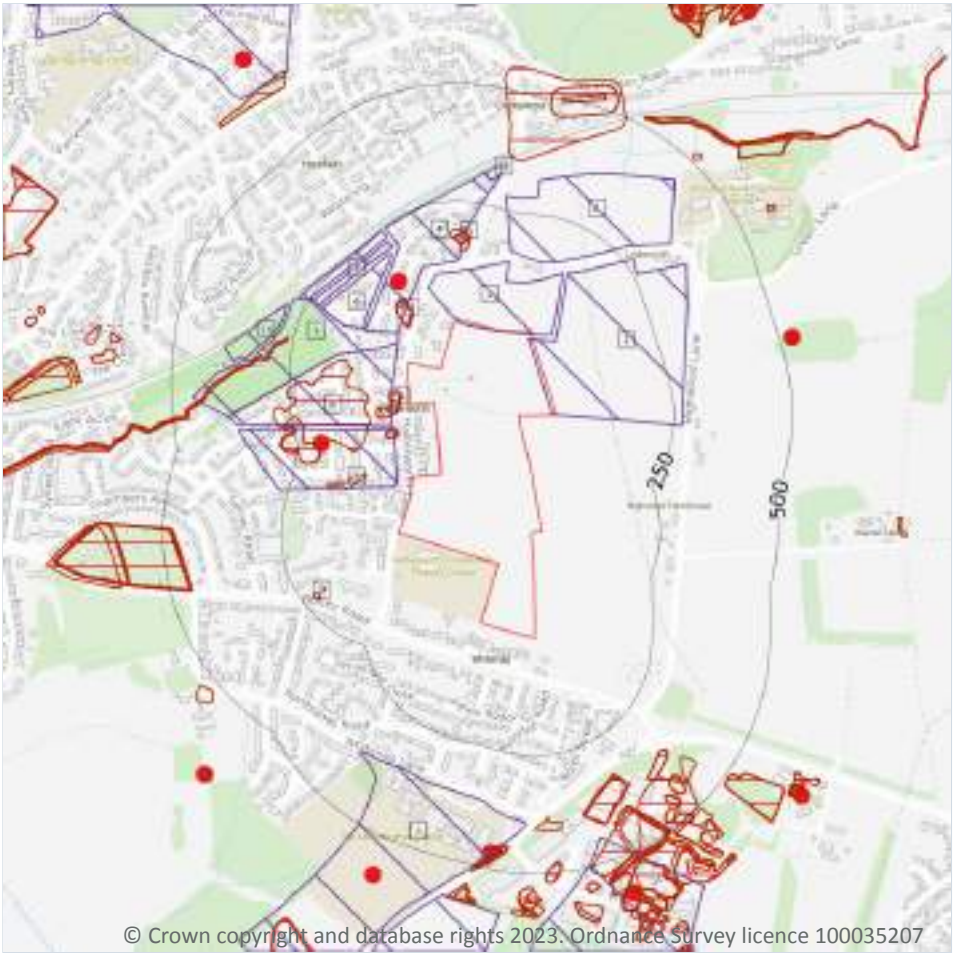
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 104 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

BritPits

Surface ground workings

Underground workings

Underground mining extents

Historical mineral planning areas

TCA non-coal mining

Non Coal Mining

Sporadic underground mining of restricted extent possible

Localised small scale underground mining possible

Small scale mining possible

Underground mining known or likely within or in close proximity

Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	3

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

Features are displayed on the Mining and ground workings map on **page 106 >**

ID	Location	Details	Description
7	147m NW	Name: Mortimer's Lane Gravel Pit Address: Halterworth, ROMSEY, Hampshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	202m W	Name: Mortimer's Lane Gravel Pit Address: Halterworth, ROMSEY, Hampshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
N	465m S	Name: Lusborough Lane Gravel Pit Address: Whitenap, ROMSEY, Hampshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**20**

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 106 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	16m NW	Unspecified Heaps	1962	1:10560
A	16m NW	Unspecified Heaps	1962	1:10560
A	18m NW	Unspecified Heaps	1962	1:10560
A	57m NW	Unspecified Heap	1962	1:10560
A	59m W	Unspecified Heap	1962	1:10560
A	59m W	Unspecified Heap	1962	1:10560
A	59m W	Unspecified Heap	1962	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
D	74m NW	Refuse Heap	1962	1:10560
D	75m NW	Refuse Heap	1962	1:10560
D	75m NW	Refuse Heap	1962	1:10560
B	83m NW	Unspecified Heaps	1962	1:10560
5	96m W	Unspecified Ground Workings	1962	1:10560
E	147m N	Refuse Heap	1962	1:10560
E	159m N	Unspecified Pit	1908	1:10560
E	159m N	Unspecified Pit	1942	1:10560
E	161m N	Unspecified Pit	1938	1:10560
E	161m N	Unspecified Pit	1938	1:10560
C	200m W	Refuse Heap	1962	1:10560
C	200m W	Refuse Heap	1962	1:10560
9	208m SW	Sand Pit	1908	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	14

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

Features are displayed on the Mining and ground workings map on **page 106 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
1	**On site**	**Mortimer's Lane**	**Sand and gravel**	**Surface mineral working**	**Refused**	**09/10/63**
2	**On site**	**Mortimer's Lane**	**Sand and gravel**	**Surface mineral working**	**Refused**	**09/10/63**
B	28m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Valid	30/04/54
C	31m W	Mortimer's Lane	Sand and gravel	Surface mineral working	Valid	22/07/50
3	48m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Valid	27/12/44
4	67m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Valid	12/12/44
6	121m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Valid	30/04/59
8	151m N	Mortimer's Lane	Sand and gravel	Surface mineral working	Refused	30/11/59
F	205m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Refused	30/04/59
F	228m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Valid	30/04/59
10	283m NW	Mortimer's Lane	Sand and gravel	Surface mineral working	Refused	1944
11	304m N	Mortimer's Lane	Sand and gravel	Surface mineral working	Refused	1944
I	350m S	Luzborough Lane	Sand and gravel	Surface mineral working	Valid	09/57
O	447m S	Luzborough Lane	Sand and gravel	Surface mineral working	Valid	06/05/47

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	5

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

Location	Mineral type
73m W	Stone

Location	Mineral type
339m S	Stone
340m SE	Stone
456m S	Stone
456m S	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

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

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

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

This data is sourced from the British Geological Survey.

20 Radon

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	1

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

Features are displayed on the Radon map on **page 115 >**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	19

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
1m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
43m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 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 km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	**0**

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	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	2

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

Features are displayed on the Railway infrastructure and projects map on **page 119 >**

Location	Name	Type
246m N	Not given	Single Track
249m N	Eastleigh Chandler's Ford and Romsey Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference ↗.

Terms and conditions

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

County Series 1:10,560 scale

VEGETATION

Fir Wood

Deciduous Wood

Mixed Wood

Brushwood

Orchard

Reeds

Rough Pasture

Furze

Marsh

Osiers

ROADS

Railway over Road

Road over Railway

Road over River or Canal

Level Crossing

Railway over River

Road over Stream

Sunken Road

Raised Road

RAILWAYS

Double Lines of Railway

Single Lines of Railway and Tramway

GENERAL FEATURES

Gravel Pit

Sand Pit

Quarry

Shingle

Other Pits

Antiquities, Site of

Arrow, showing direction of flow of water

Trigonometrical Station

BOUNDARIES

County Boundary

Parliamentary Division Boundary

Parish Boundary

Union Boundary

200 Contours

Rural District Boundary

National Grid 1:10,000 scale

HEIGHTS (METRES)

Values are given in metres above mean sea level at Newlyn.

Surface heights determined by: ground survey • 163m; air survey

Bench marks and their values are shown on large scale maps, and bench mark lists containing fuller and possibly later levelling information are obtainable from the Director General, Ordnance Survey.

Contours are at 5 metres vertical interval.

ROCK FEATURES

Loose rock

Boulders

Outcrop

Scree

Vertical face

CONVERSION SCALE

Metres - Feet

2000 Metres – 6500 Feet

6000

5000

1500

4000

ABBREVIATIONS

BP,BS	Boundary Post or Stone
Ch	Church
CH	Club House
F Sta	Fire Station
FB	Foot Bridge
Fn	Fountain
GP	Guide Post
MP,MS	Mile Post or Stone
P	Pole or Post
Pol Sta	Police Station
PO	Post Office
PC	Public Convenience
PH	Public House
S	Stone
Spr	Spring
TCB	Telephone Call Box
TCP	Telephone Call Post
TH	Town Hall
W	Well
Y	Youth hostel

ROADS

Road

Track (Where unfenced shown by pecked lines.)

Path

RAILWAYS

Cutting, Embankment, Road over, Road under, Level crossing, Foot Bridge

Multiple track

Single track

Siding, tramway or mineral line

Standard gauge

Narrow gauge

GENERAL FEATURES

Antiquity, (site of)

Boulders

Building

Pylon

Pole

Electricity transmission line

Glasshouse

Triangulation station

Direction of flow of water

Lake, loch or pond

Sloping masonry

Chalk pit, clay pit or quarry

Gravel pit

Sand pit

Refuse or slag heap

Shingle

Sand

VEGETATION

Bracken, rough grassland

Scrub

Heath

Marsh

Saltings

Reeds

Coppice

Orchard

Coniferous trees

Non-coniferous trees

In some areas bracken ( ) and rough grassland ( ) are shown separately.

GroundSure

Historical Map Pack Legend

County Series & National Grid

1:10,560 scale

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groundsureinsight@groundsure.com

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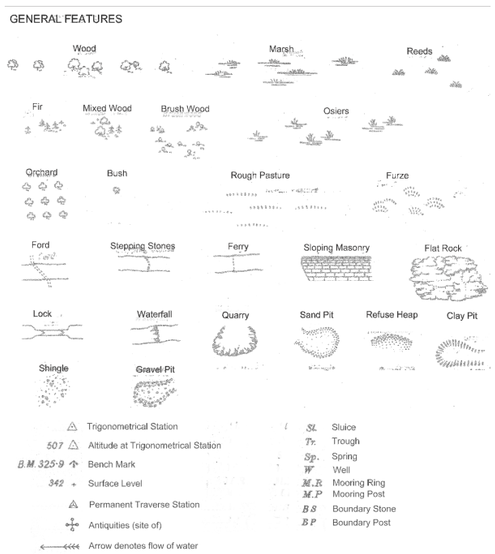
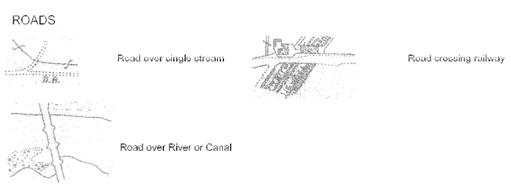
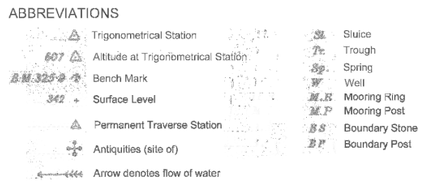
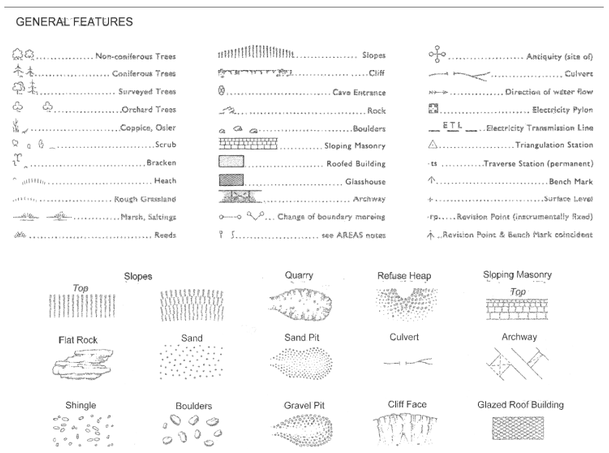
County Series 1:2,500 scale

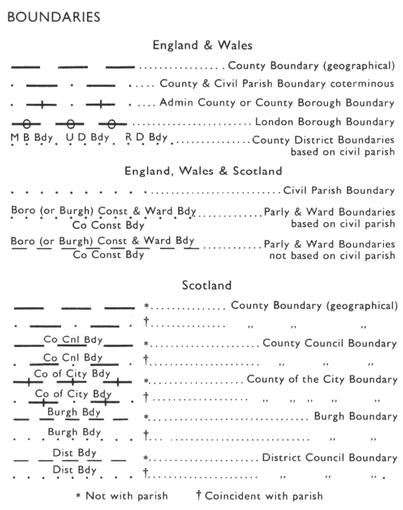


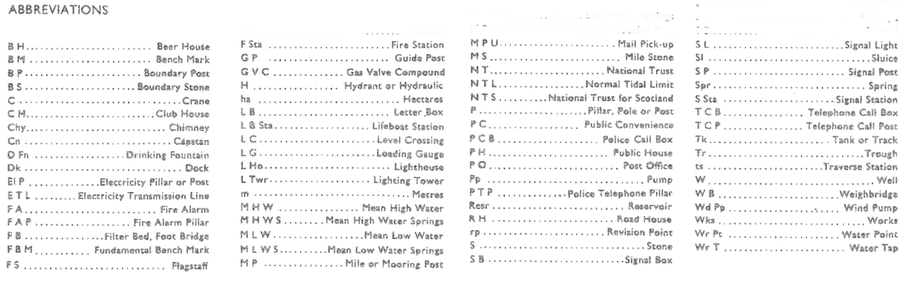




National Grid 1:2,500 / 1:1,250 scale







GroundSure

Historical Map Pack Legend

County Series

1:1,250 scale

~

County Series & National Grid

1:2,500 scale

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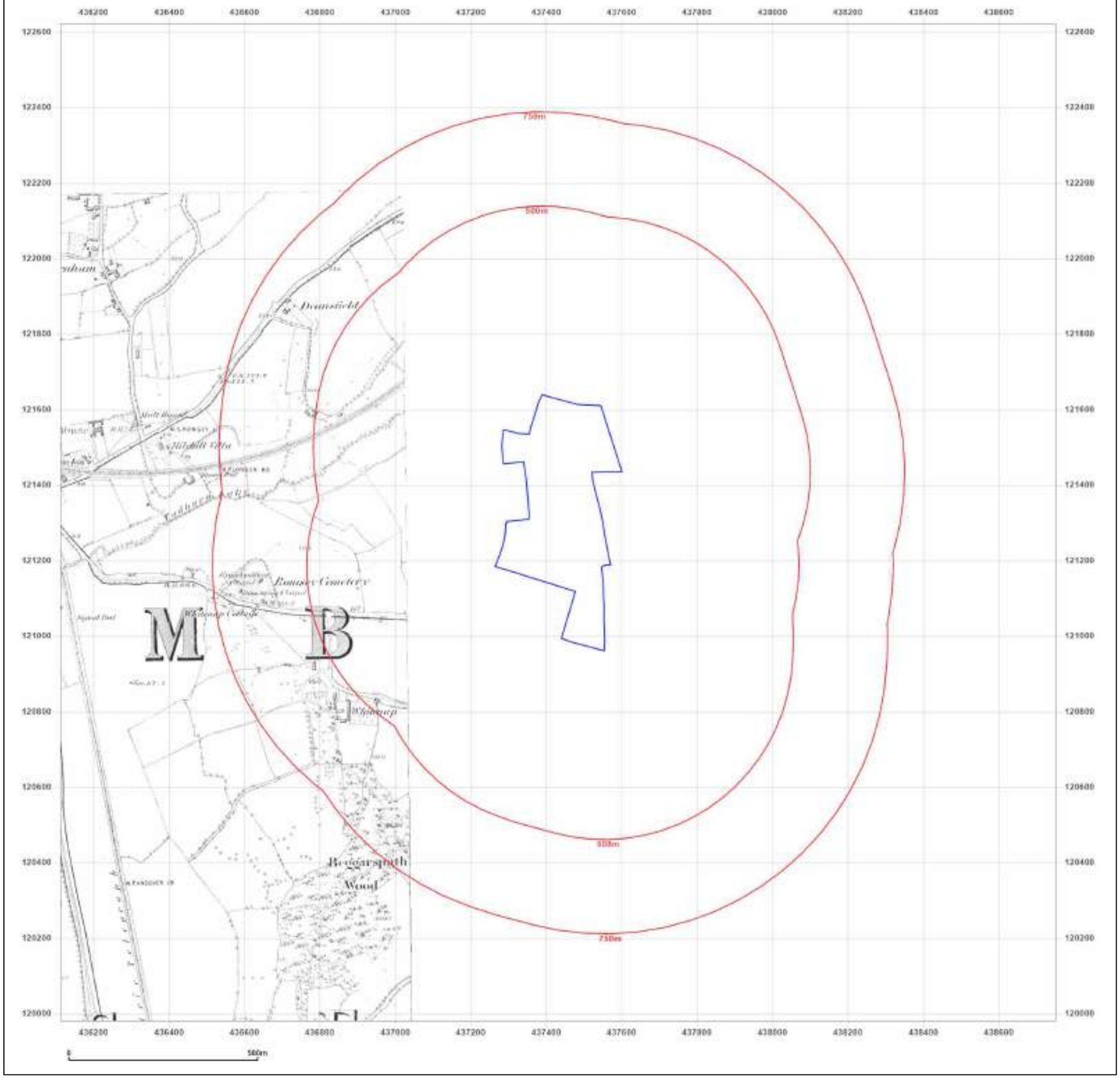

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Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: County Series

Map date: **1867**

Scale: 1:10,560

Printed at: 1:10,560

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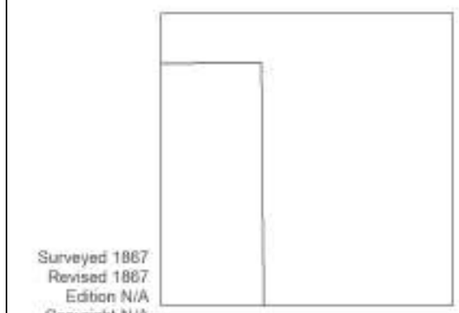

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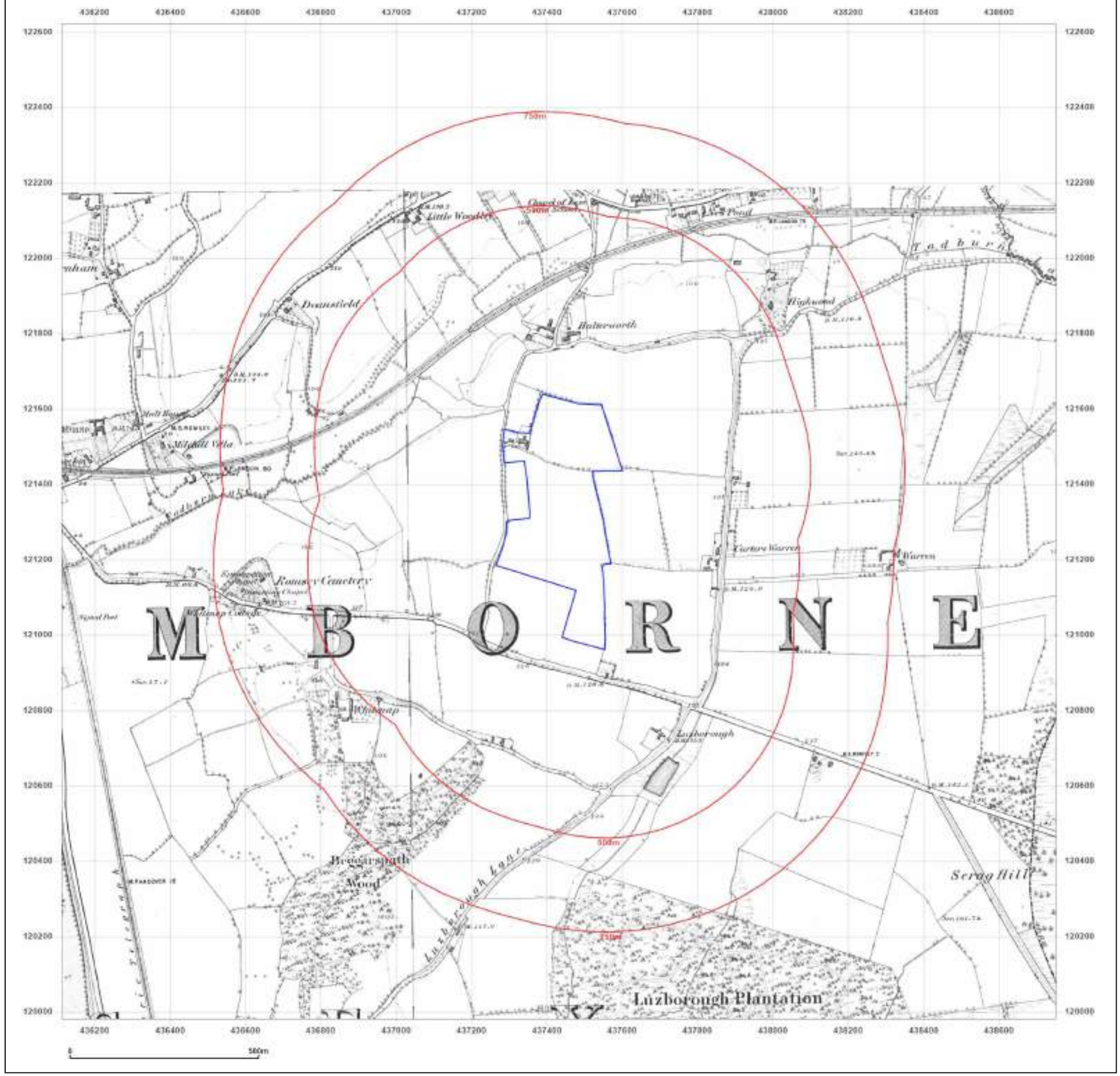

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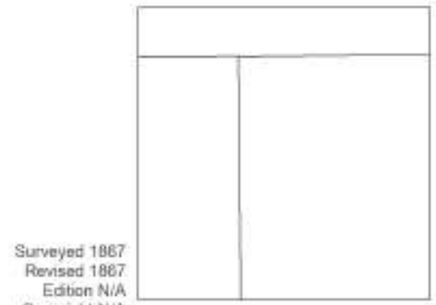

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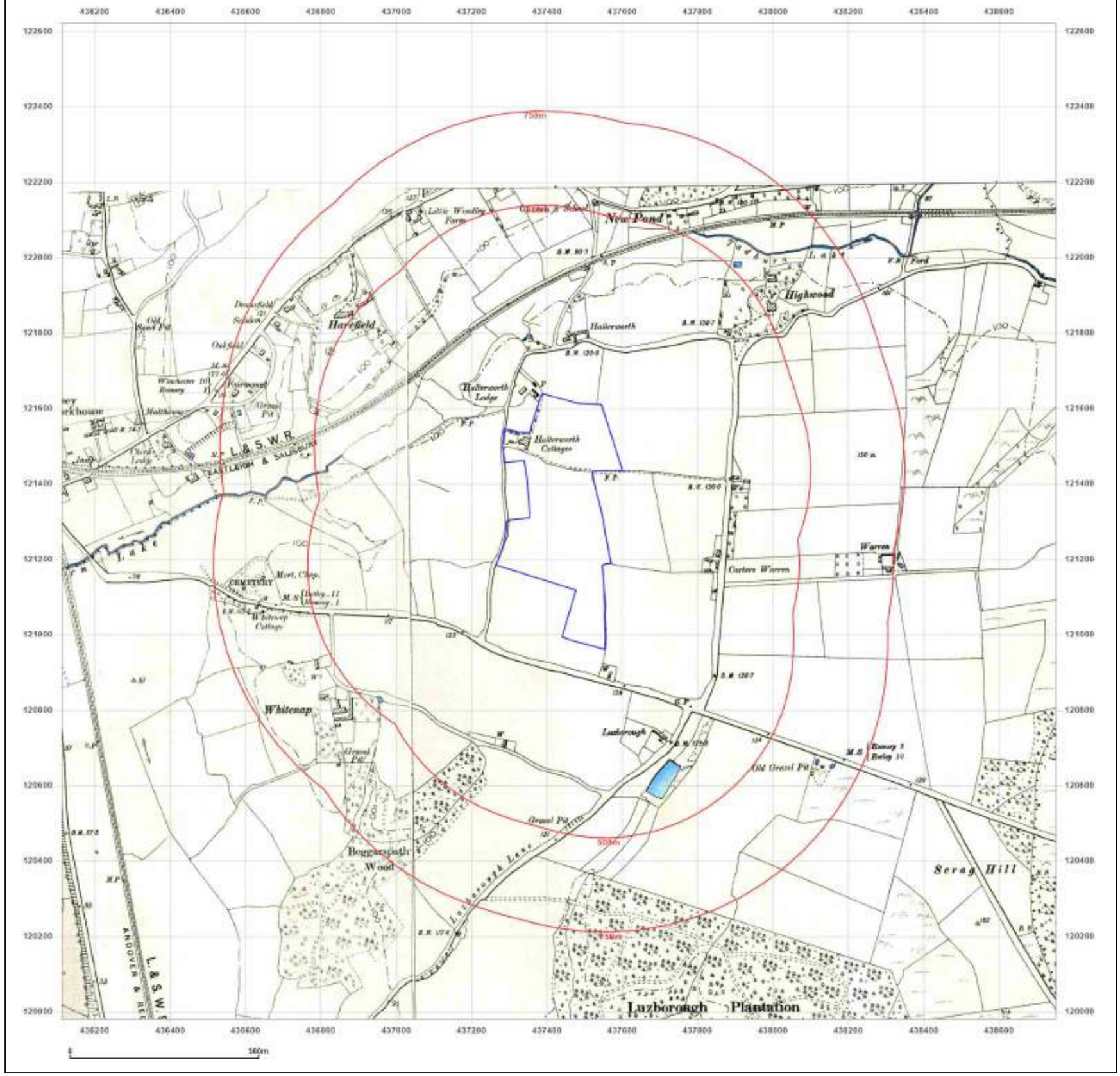

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Report Ref: EMS-896250_1144578
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Map Name: County Series

Map date: **1888**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed N/A
Revised N/A
Edition N/A
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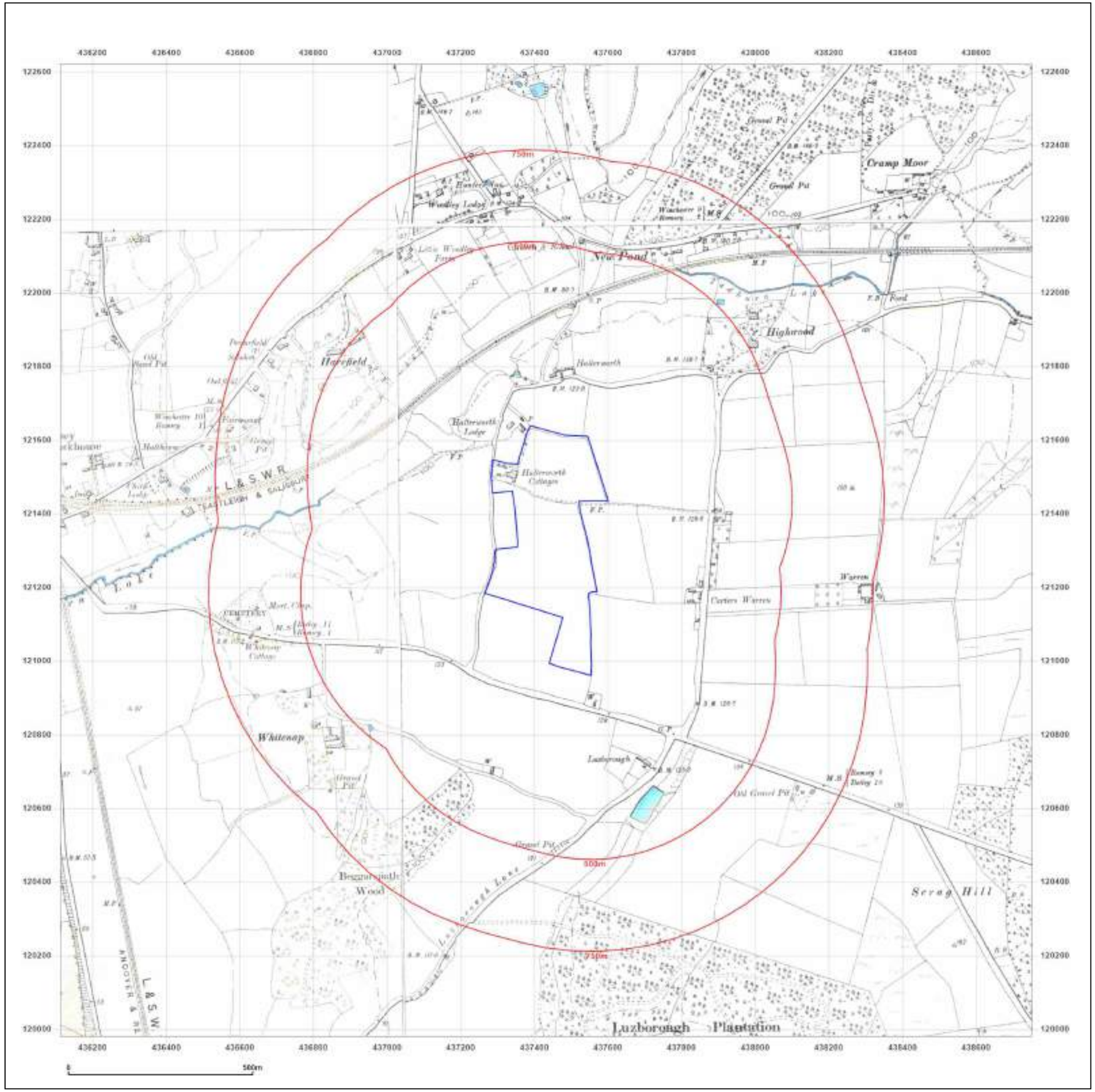

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Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: County Series

Map date: **1895**

Scale: 1:10,560

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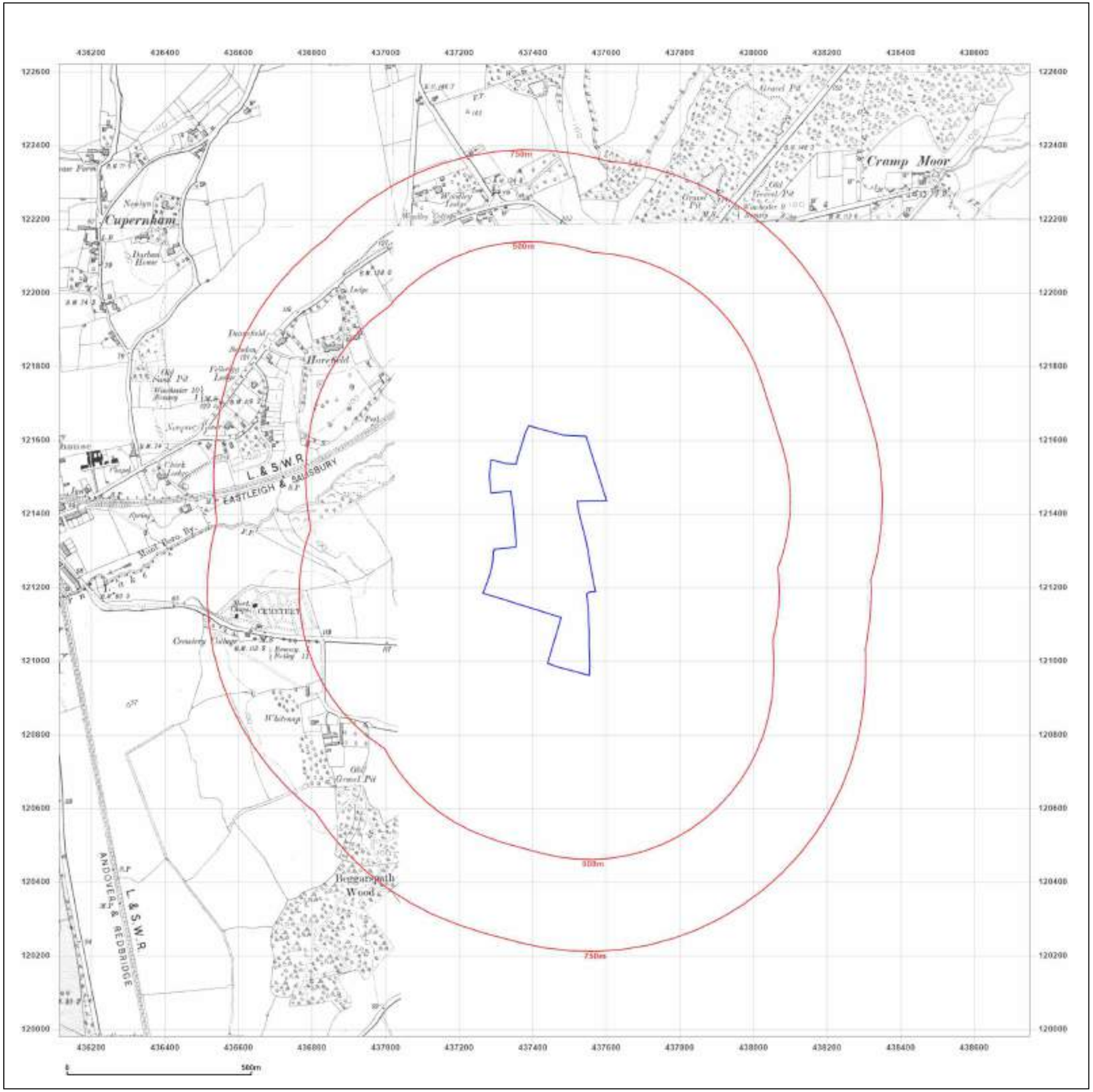

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Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: County Series

Map date: 1908

Scale: 1:10,560

Printed at: 1:10,560

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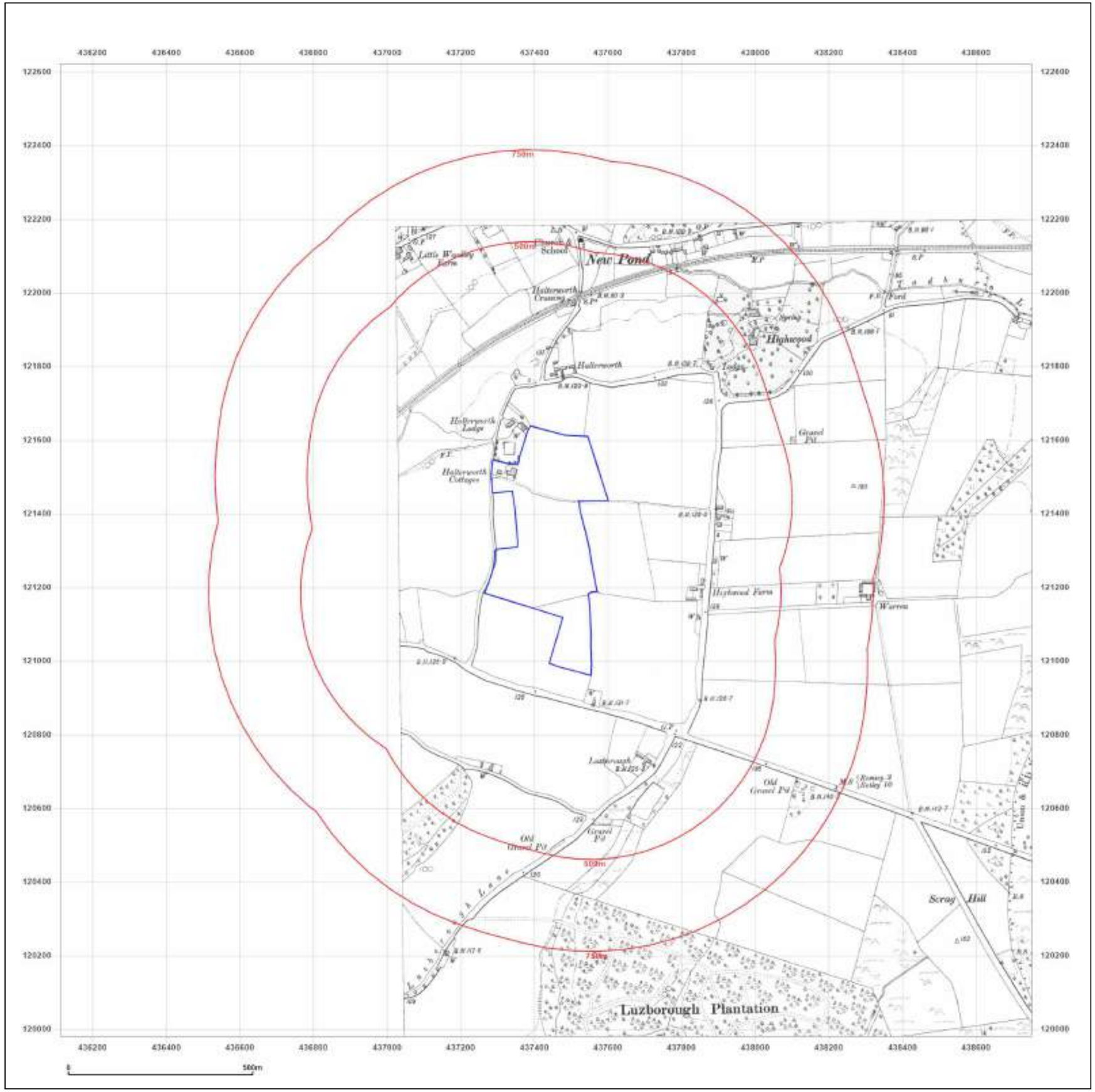

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Map Name: County Series

Map date: **1908**

Scale: 1:10,560

Printed at: 1:10,560

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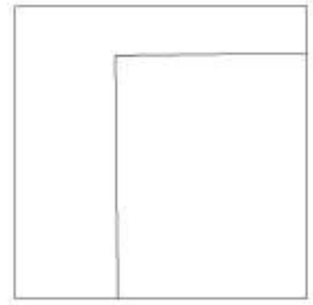

Surveyed 1867
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

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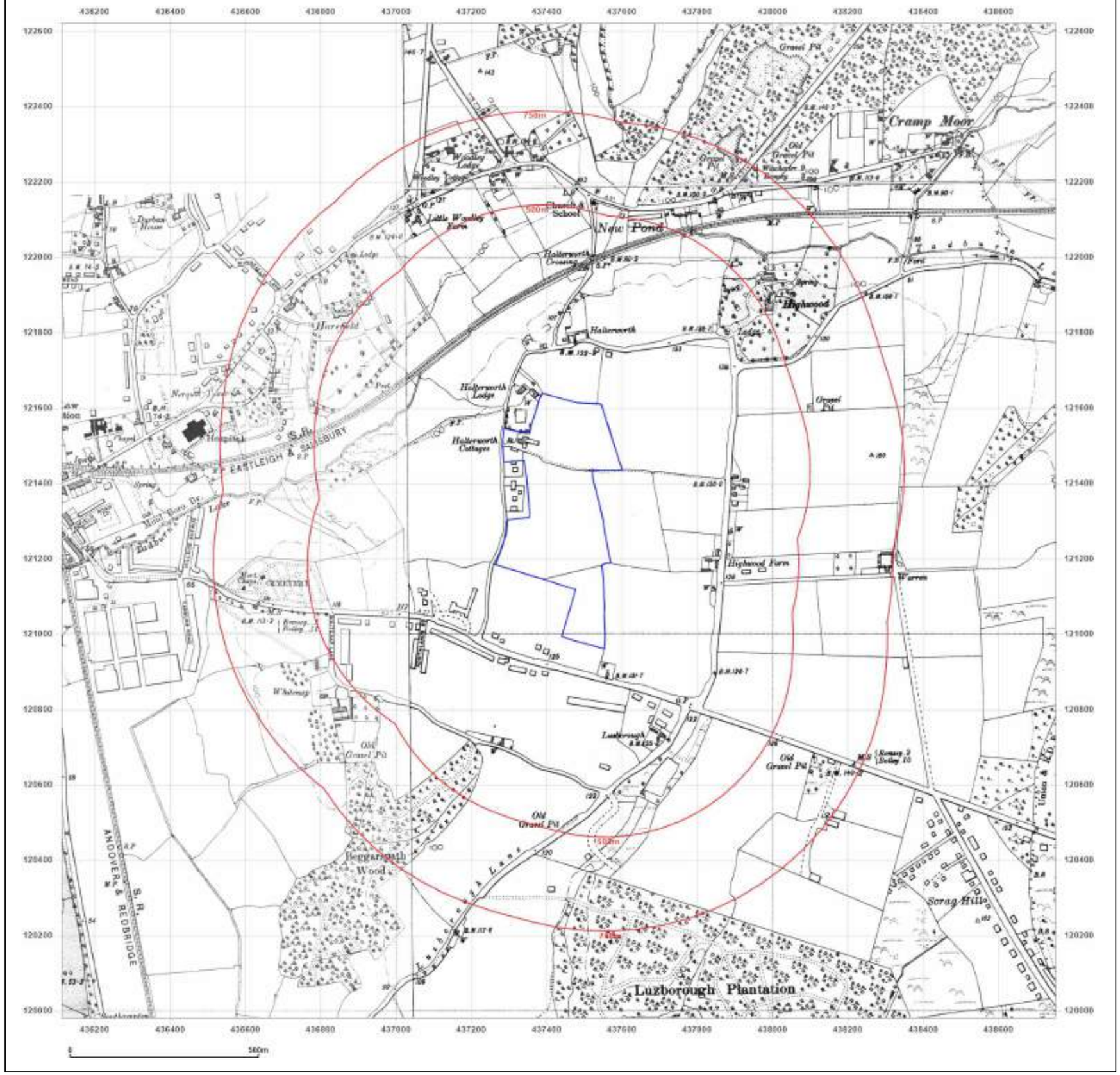

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Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: County Series

Map date: **1938-1942**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1870
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1866
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1867
Revised 1942
Edition N/A
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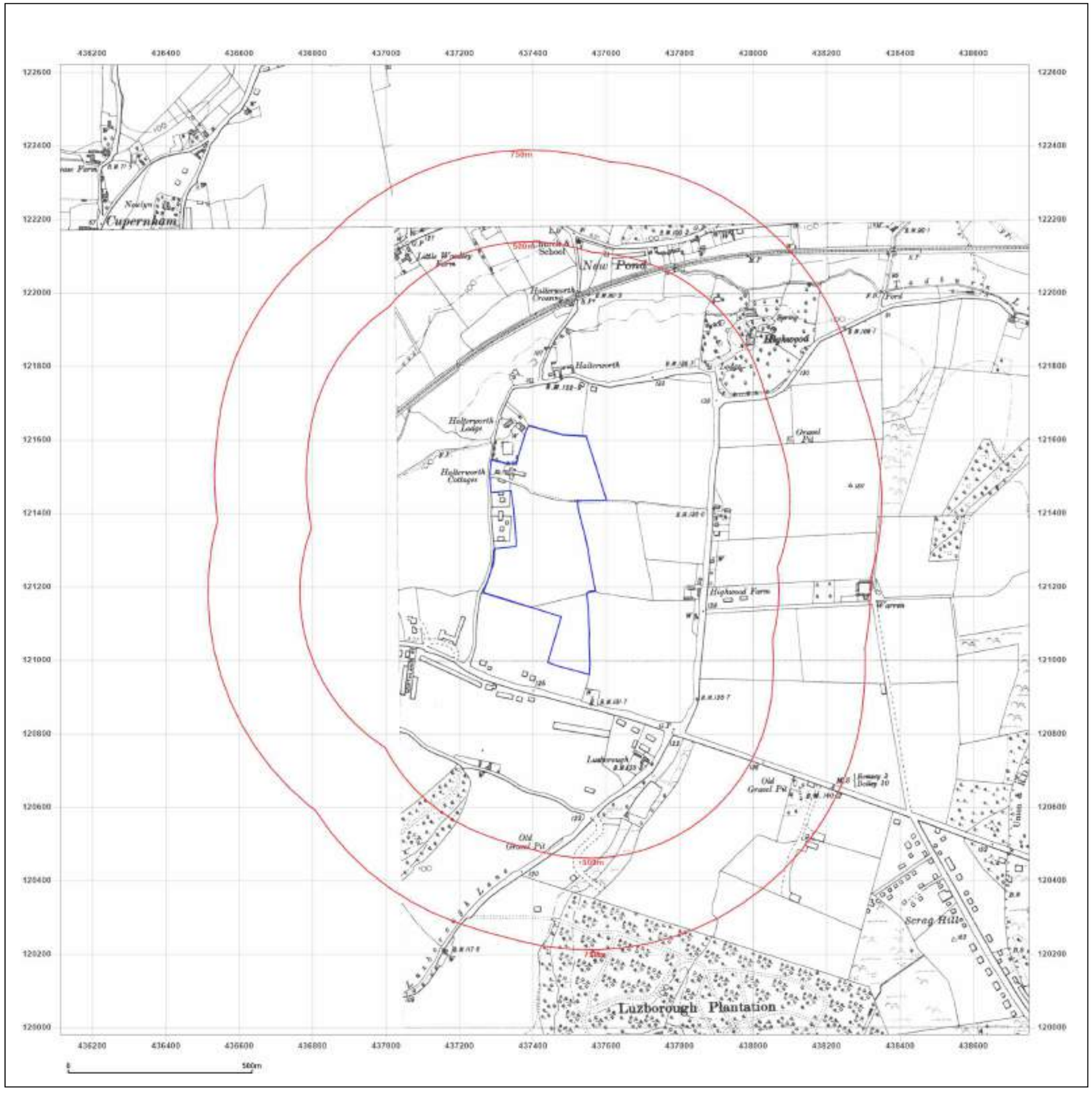

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Grid Ref: 437431, 121300

Map Name: County Series

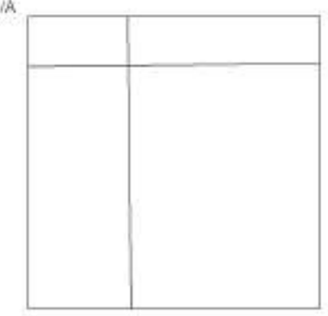
Map date: **1938-1942**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1870
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1867
Revised 1942
Edition N/A
Copyright N/A
Levelled 1906

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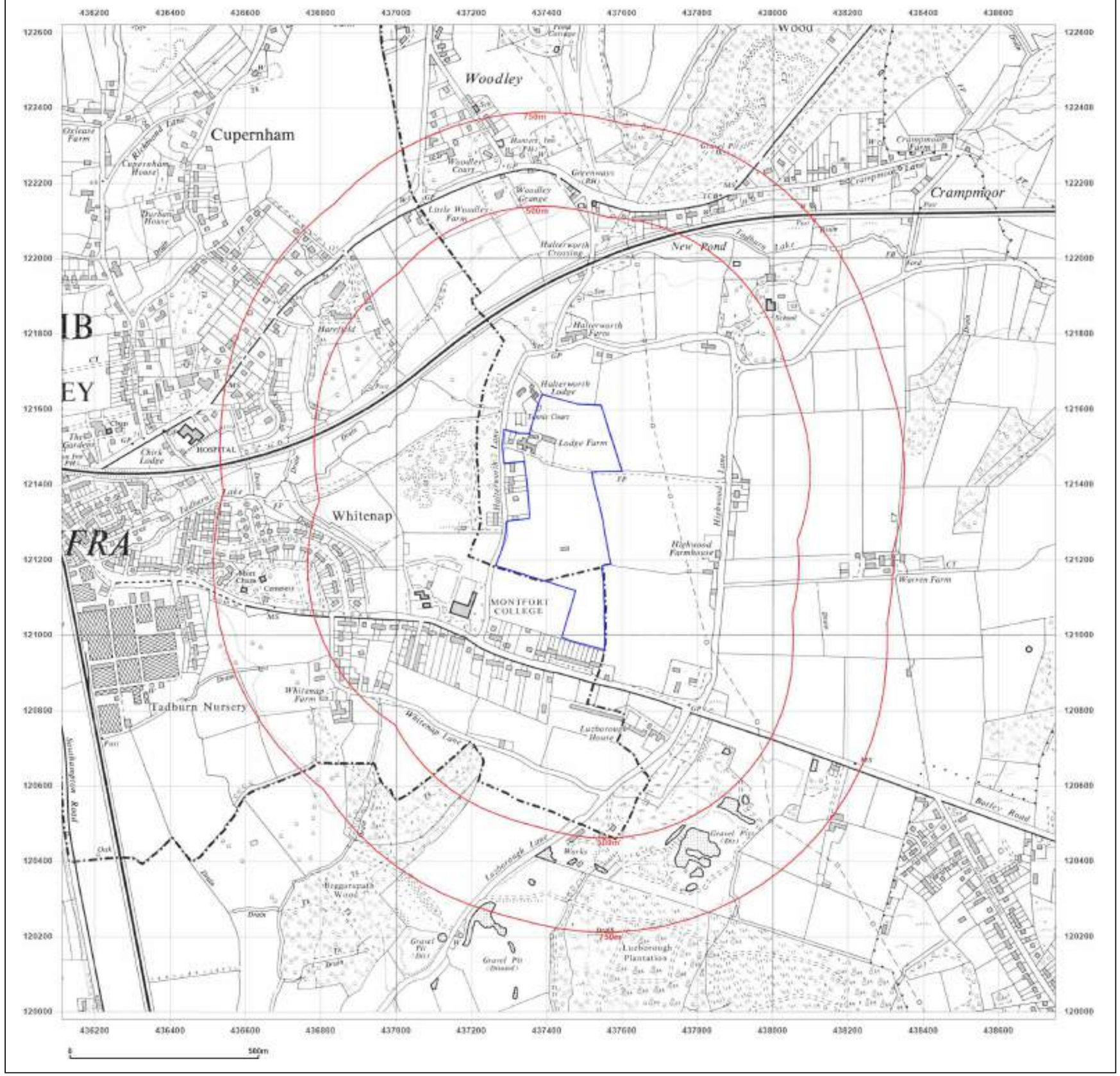

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: Provisional

Map date: **1962**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1961
Edition N/A
Copyright 1962
Levelled N/A

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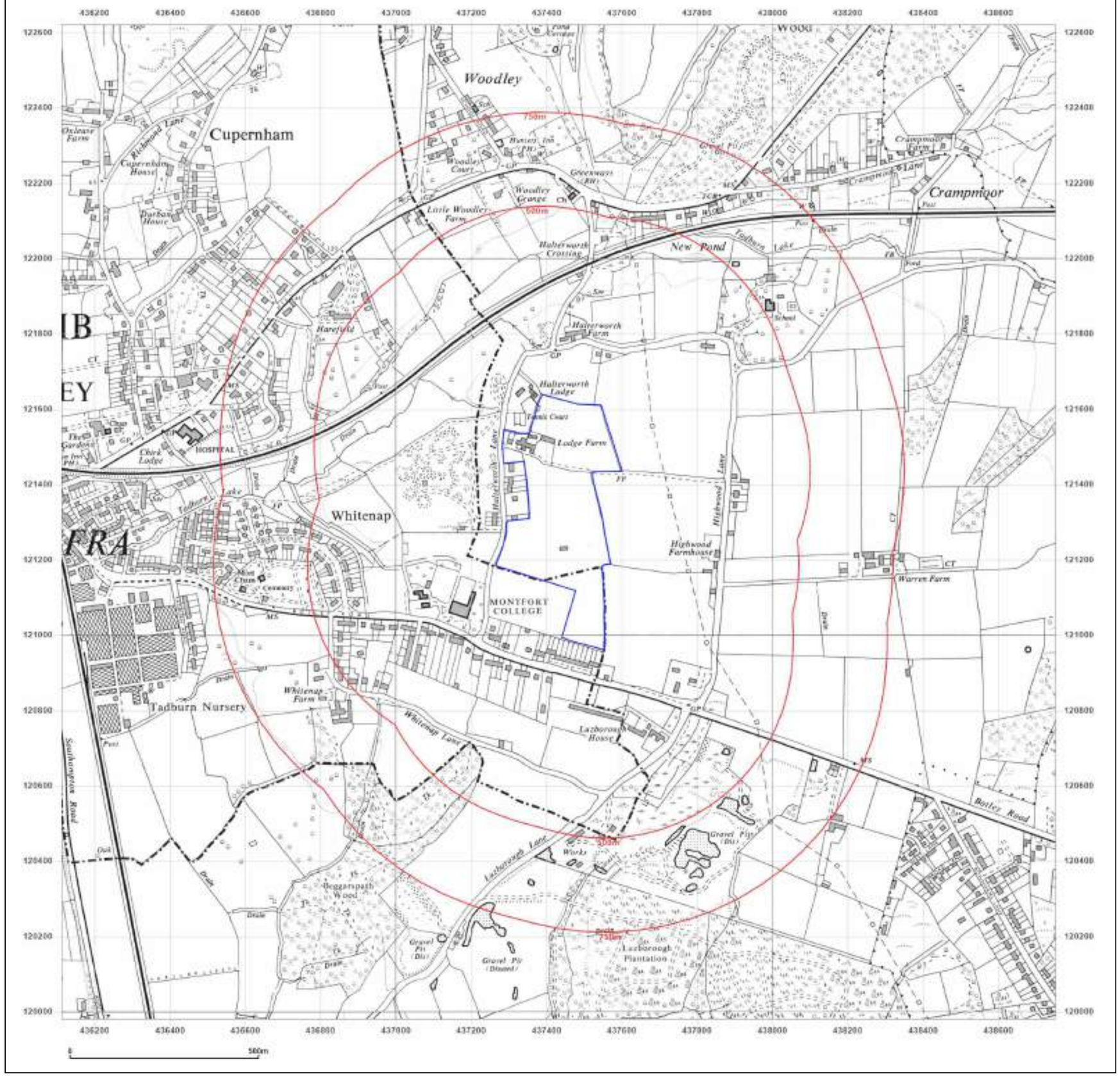

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: Provisional

Map date: **1962-1963**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1961
Edition N/A
Copyright 1962
Levelled N/A

Surveyed 1963
Revised 1963
Edition N/A
Copyright N/A
Levelled N/A

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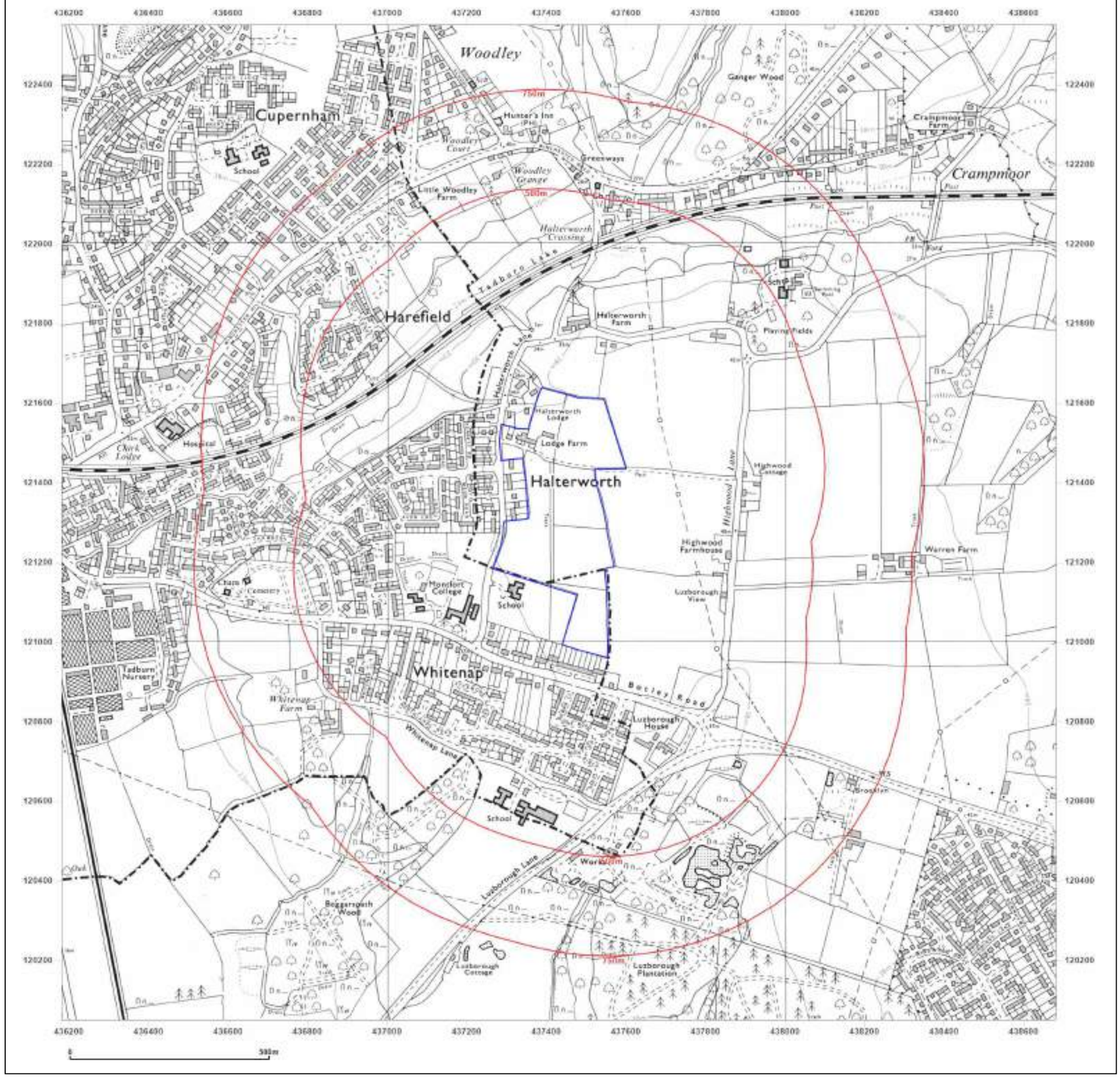

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: National Grid

Map date: **1973**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1972
Revised 1973
Edition N/A
Copyright 1973
Levelled 1962

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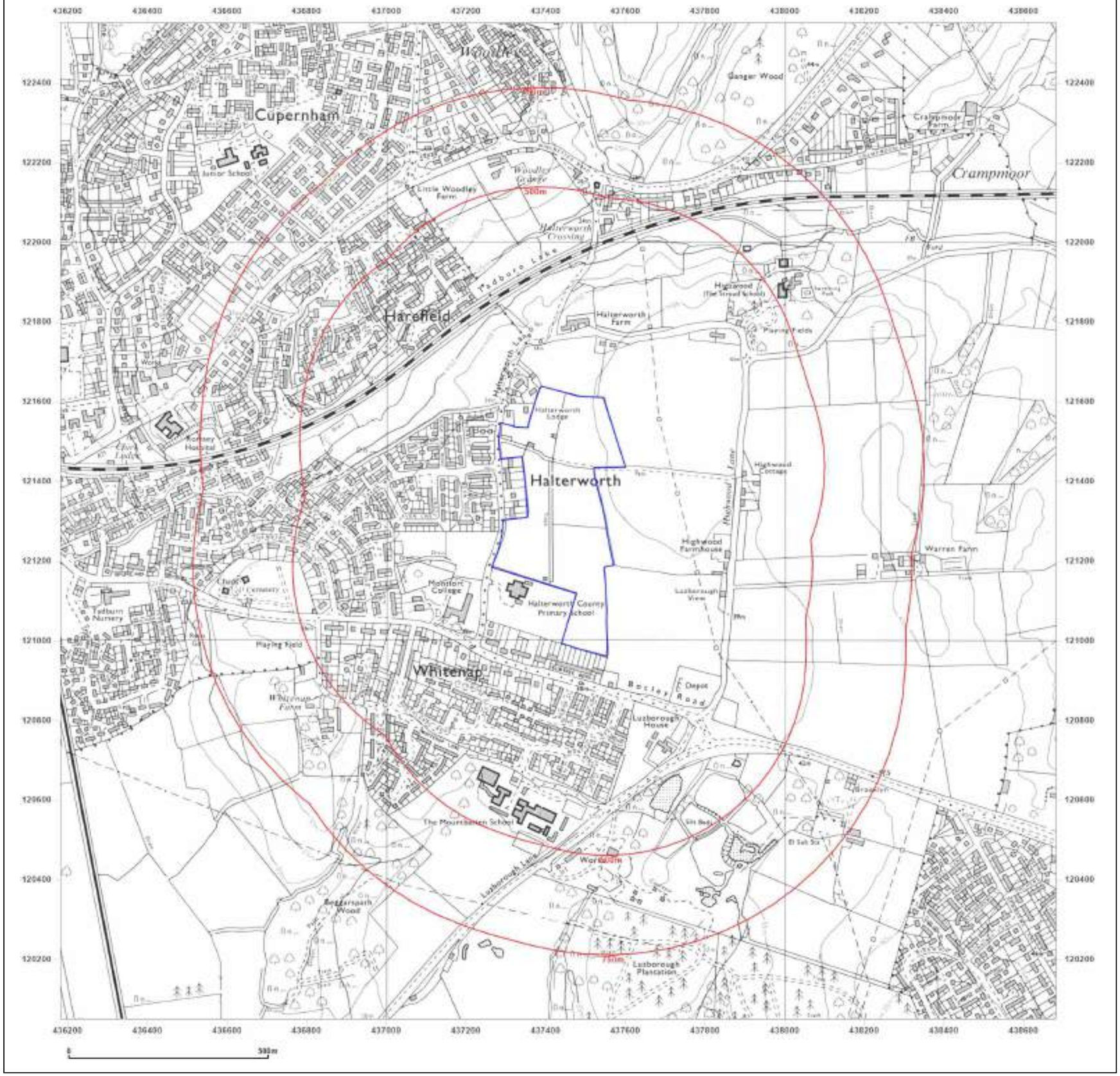

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: National Grid

Map date: **1984**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1983
Revised 1984
Edition N/A
Copyright N/A
Levelled N/A

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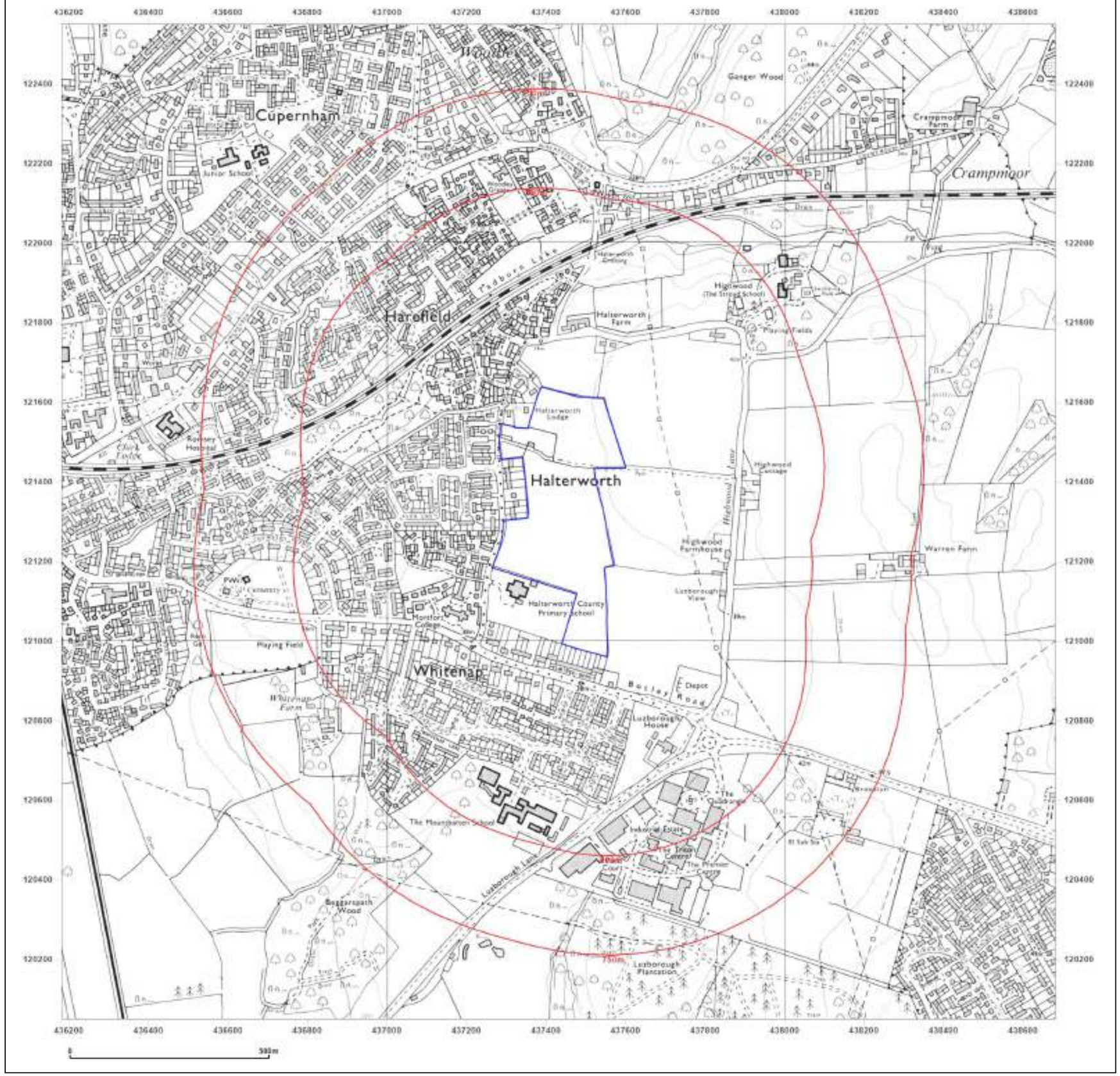

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: National Grid

Map date: **1992**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1983
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

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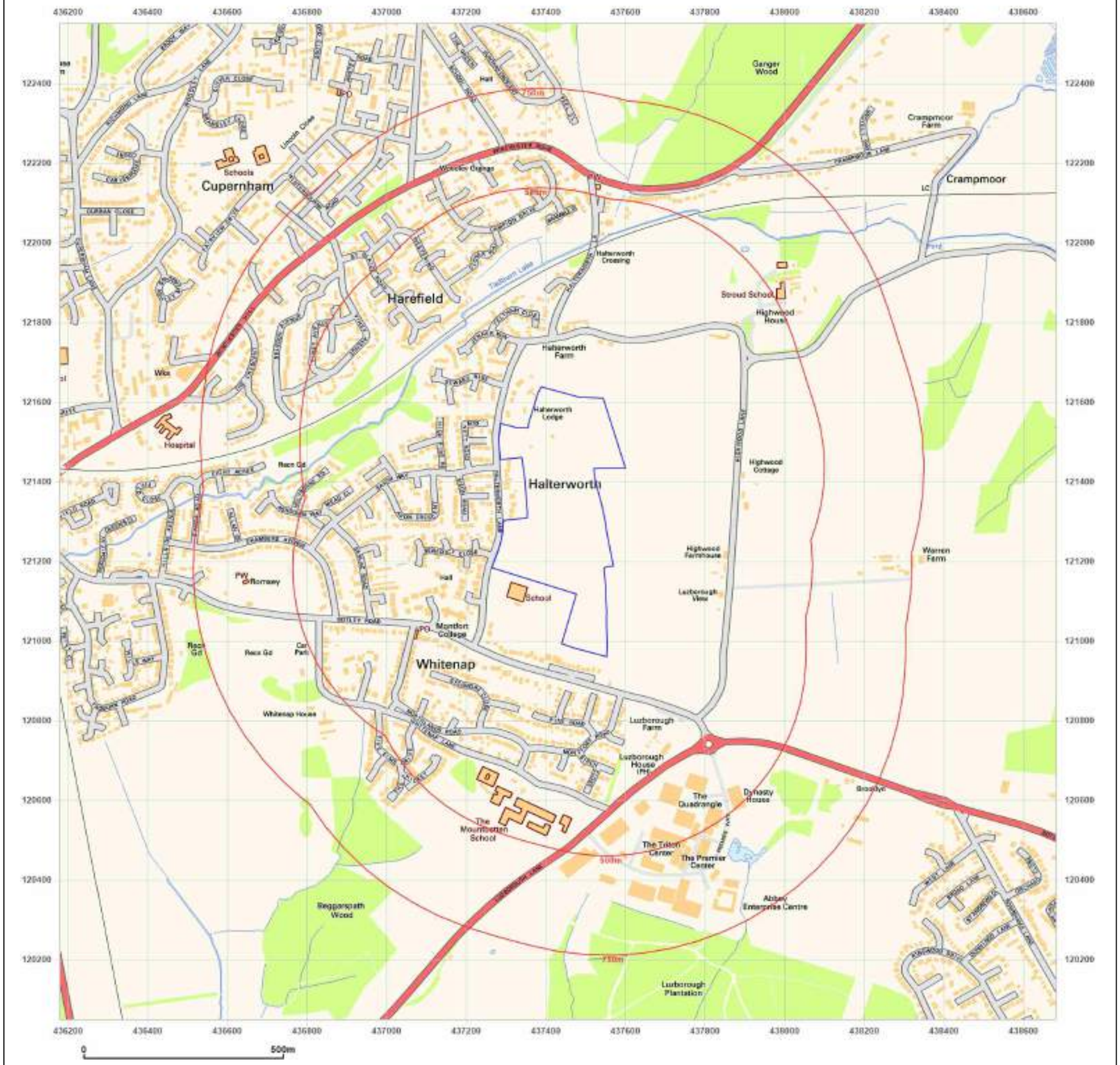

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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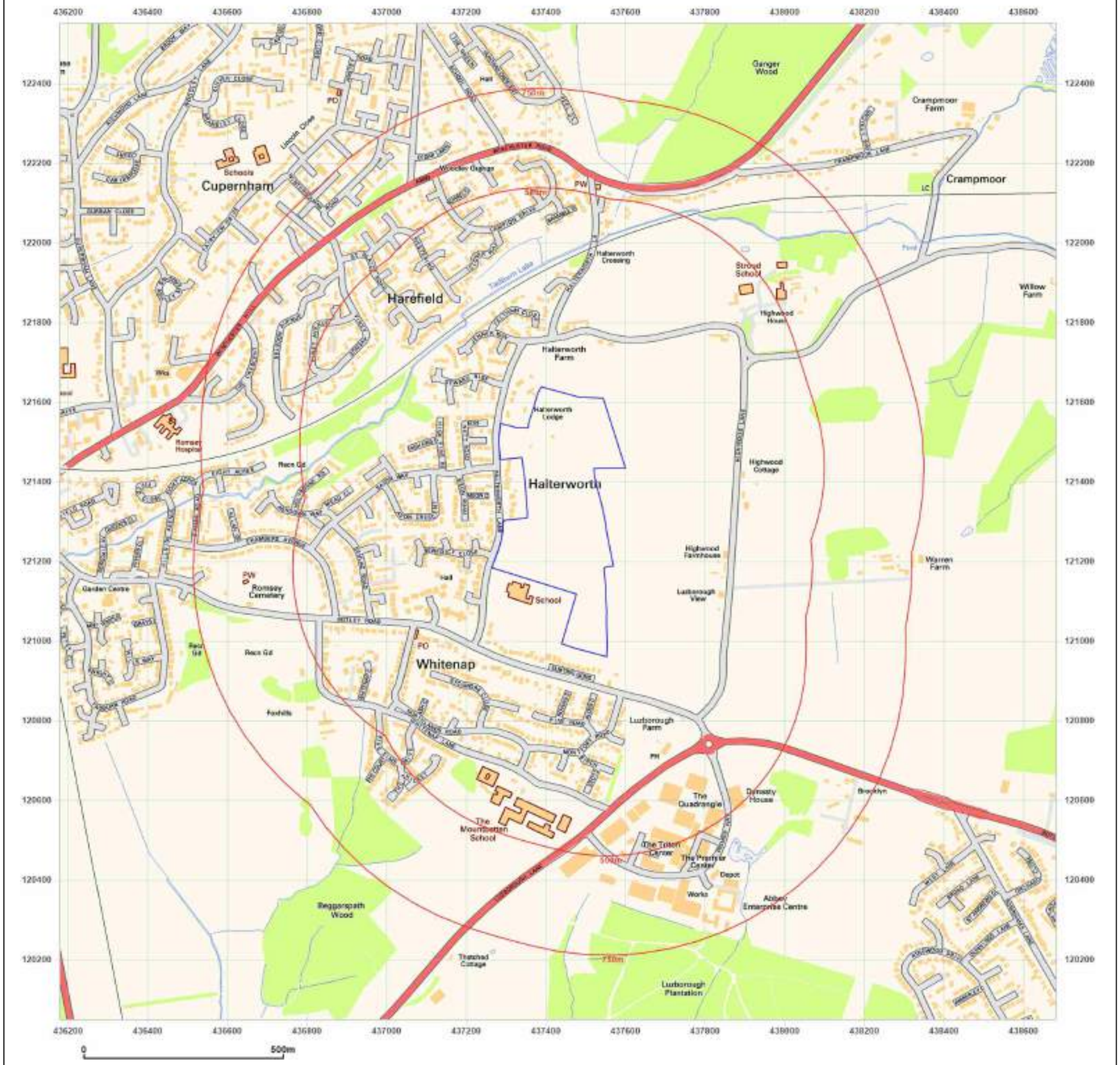

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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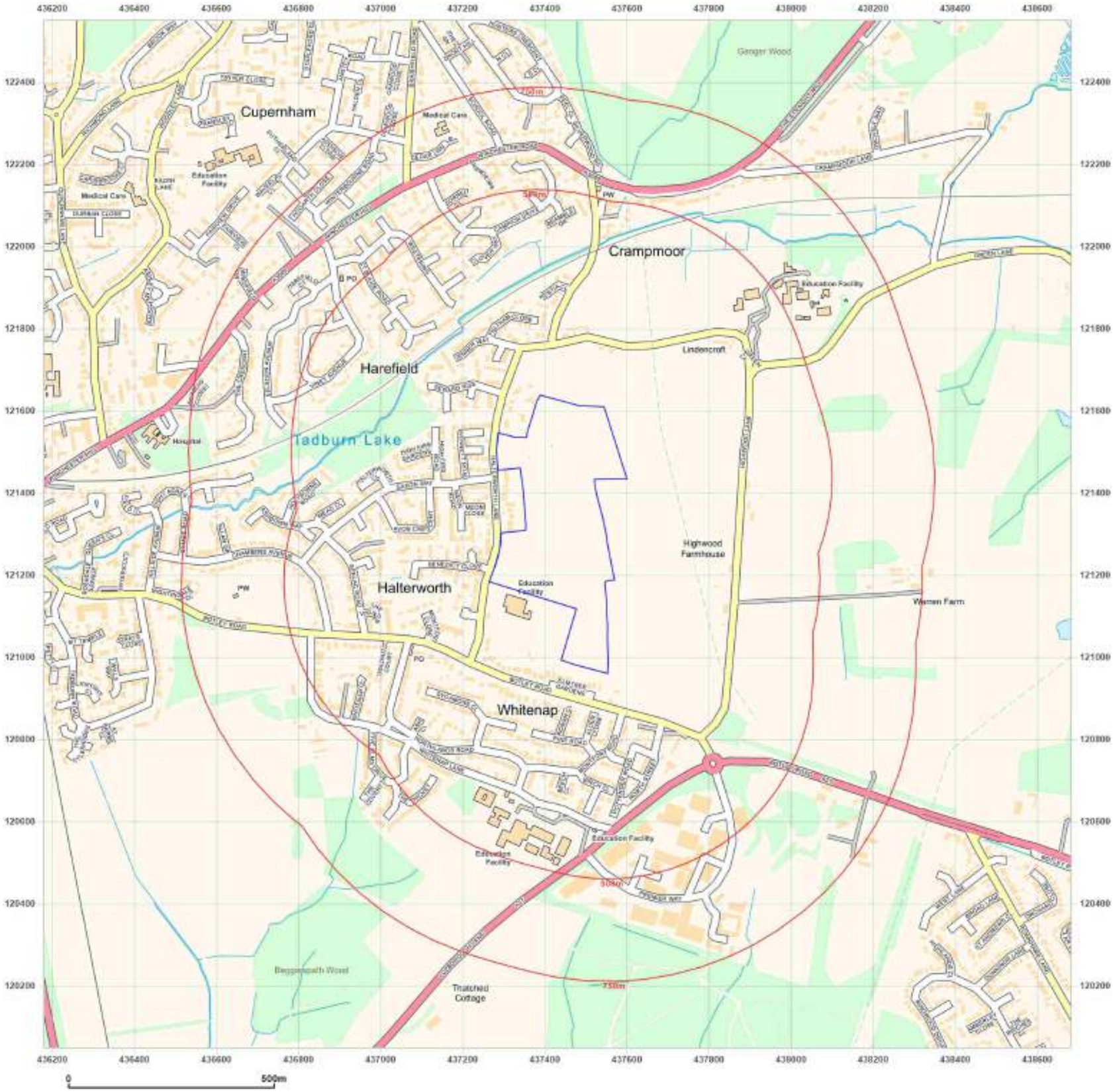

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578
Grid Ref: 437431, 121300

Map Name: National Grid

Map date: **2023**

Scale: 1:10,000

Printed at: 1:10,000

N
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2023

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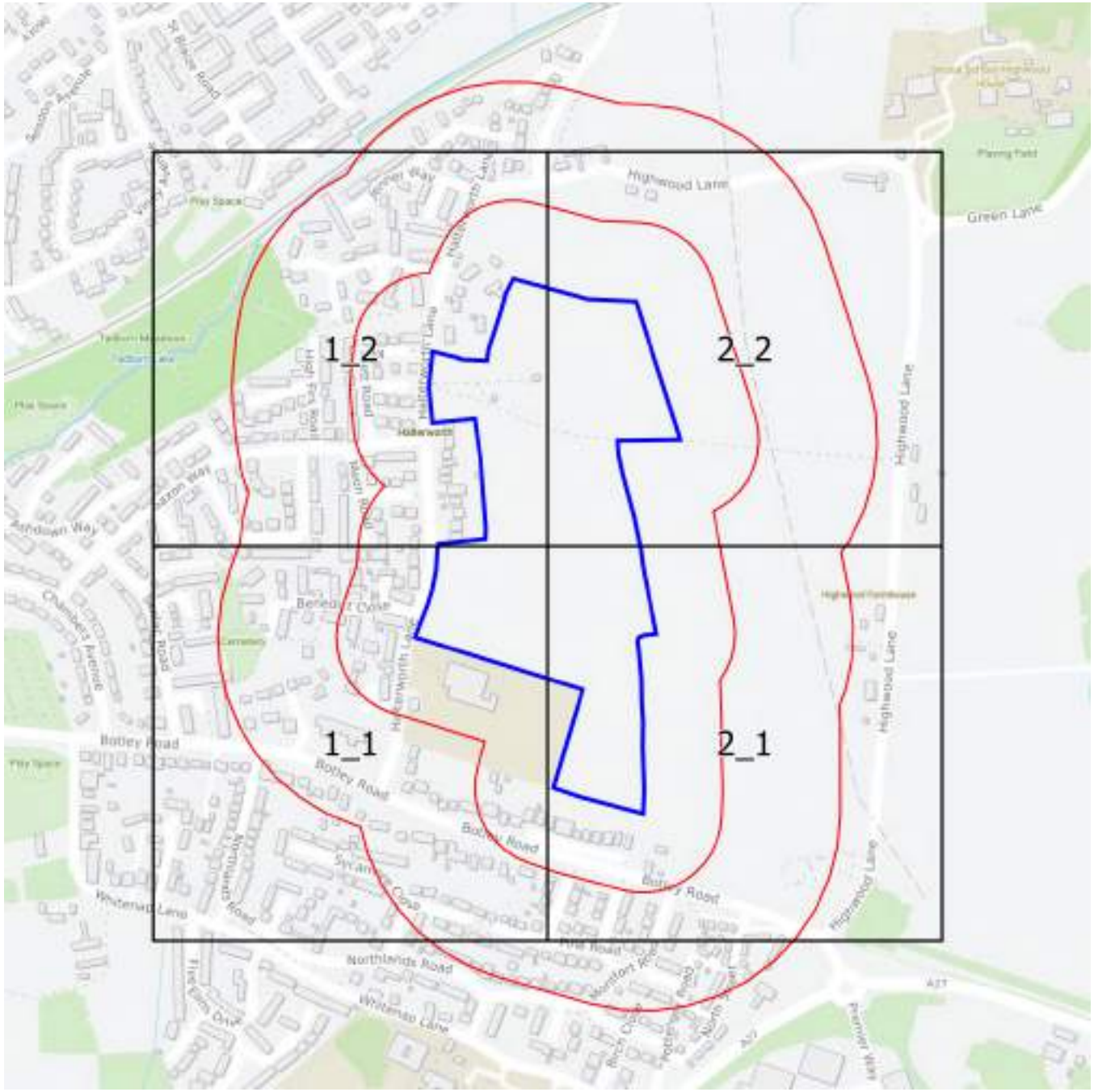

1:1,250 Scale Grid Index

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_1_1
Grid Ref: 437181, 121050

Map Name: National Grid

Map date: **1989-1991**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Surveyed 1988 Revised 1988 Edition N/A Copyright 1991 Levelled N/A	Surveyed 1990 Revised 1990 Edition N/A Copyright 1991 Levelled N/A
Surveyed 1989 Revised 1989 Edition N/A Copyright 1989 Levelled N/A	Surveyed 1989 Revised 1989 Edition N/A Copyright 1989 Levelled N/A

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EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_1_1
Grid Ref: 437181, 121050

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

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

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

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

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Edition N/A
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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_1_2
Grid Ref: 437181, 121550

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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Surveyed 1990 Revised 1990 Edition N/A Copyright 1990 Levelled N/A	Surveyed 1993 Revised N/A Edition N/A Copyright 1993 Levelled N/A
Surveyed 1988 Revised 1988 Edition N/A Copyright 1991 Levelled N/A	Surveyed 1990 Revised 1990 Edition N/A Copyright 1991 Levelled N/A

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_1_2
Grid Ref: 437181, 121550

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:1,250

Printed at: 1:2,000

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

Surveyed 1988
Revised 1986
Edition N/A
Copyright 1991
Levelled N/A

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

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

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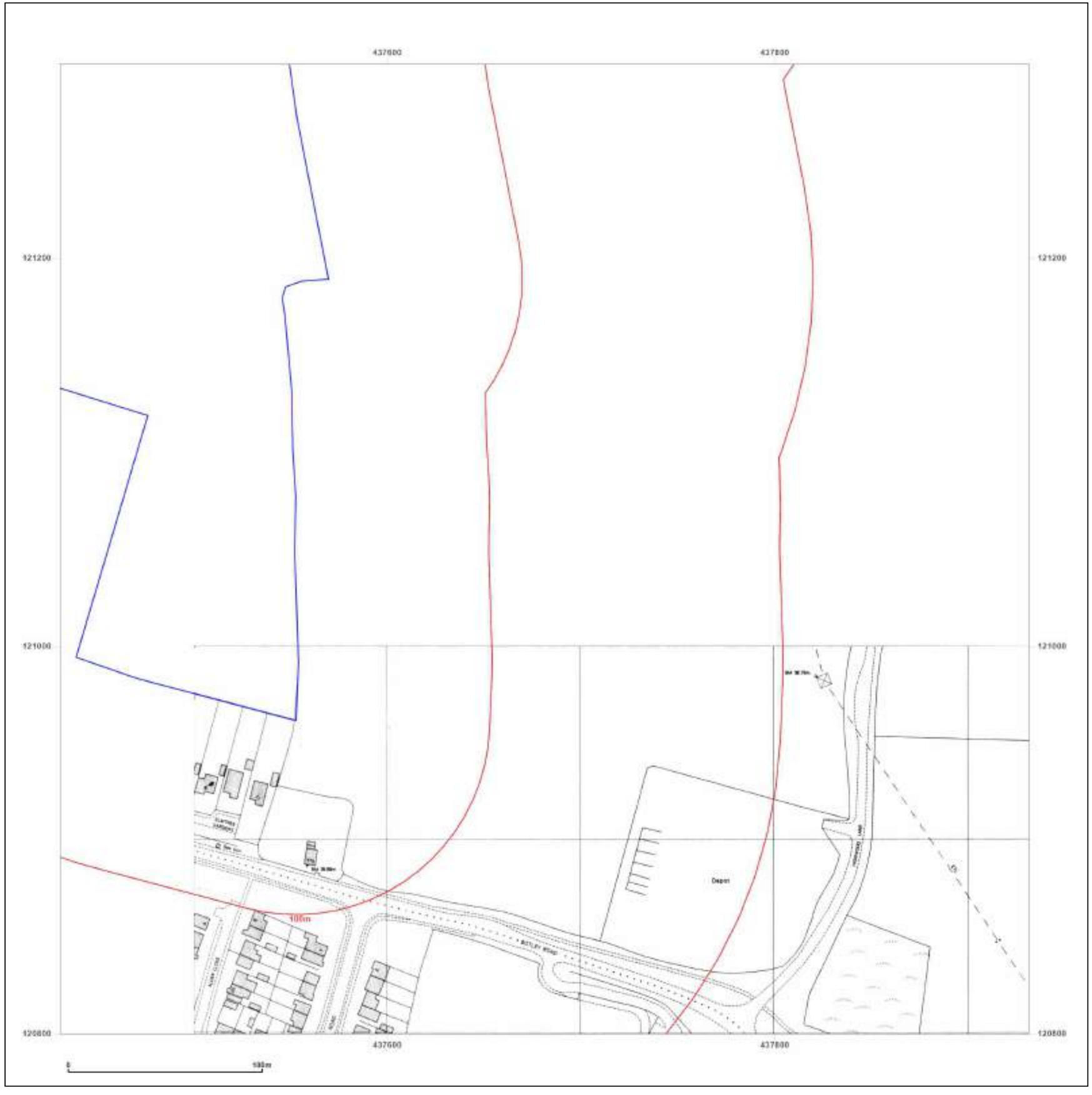

EMAPSITE™

Site Details:

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Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_2_1
Grid Ref: 437681, 121050

Map Name: National Grid

Map date: **1990**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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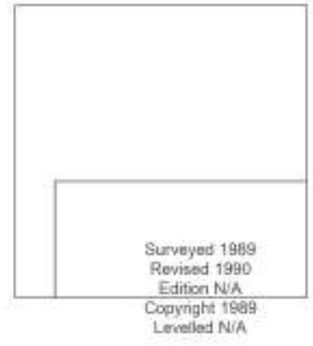

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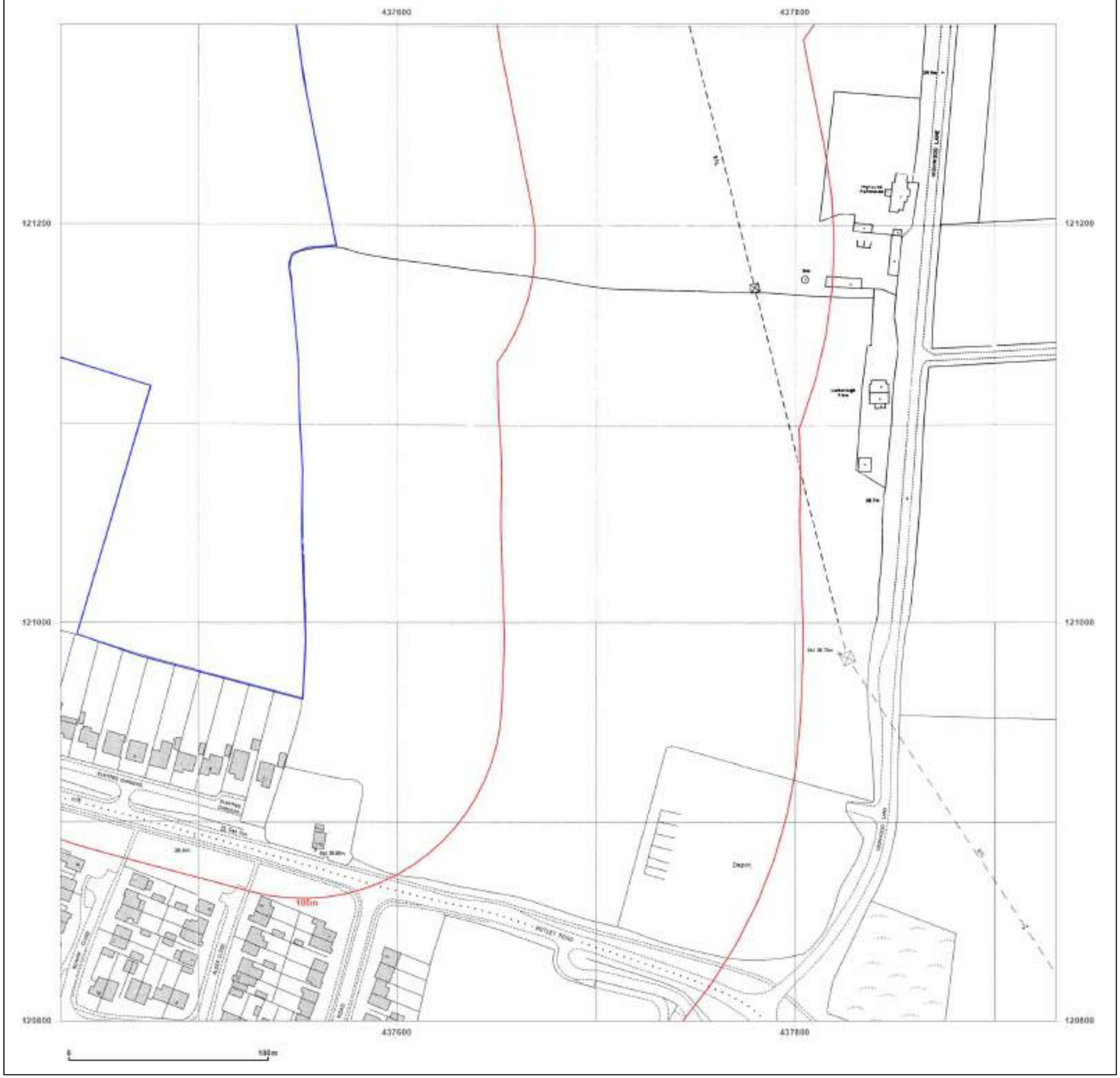

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Site Details:

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Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_2_1
Grid Ref: 437681, 121050

Map Name: National Grid

Map date: **1989-1993**

Scale: 1:1,250

Printed at: 1:2,000

N
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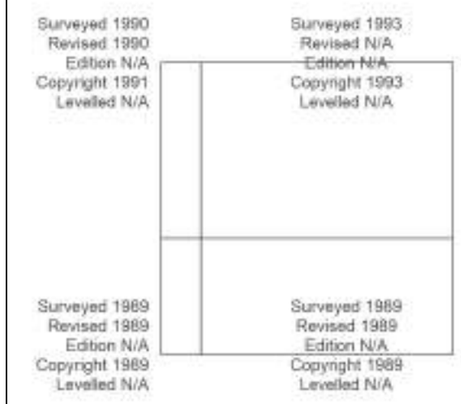

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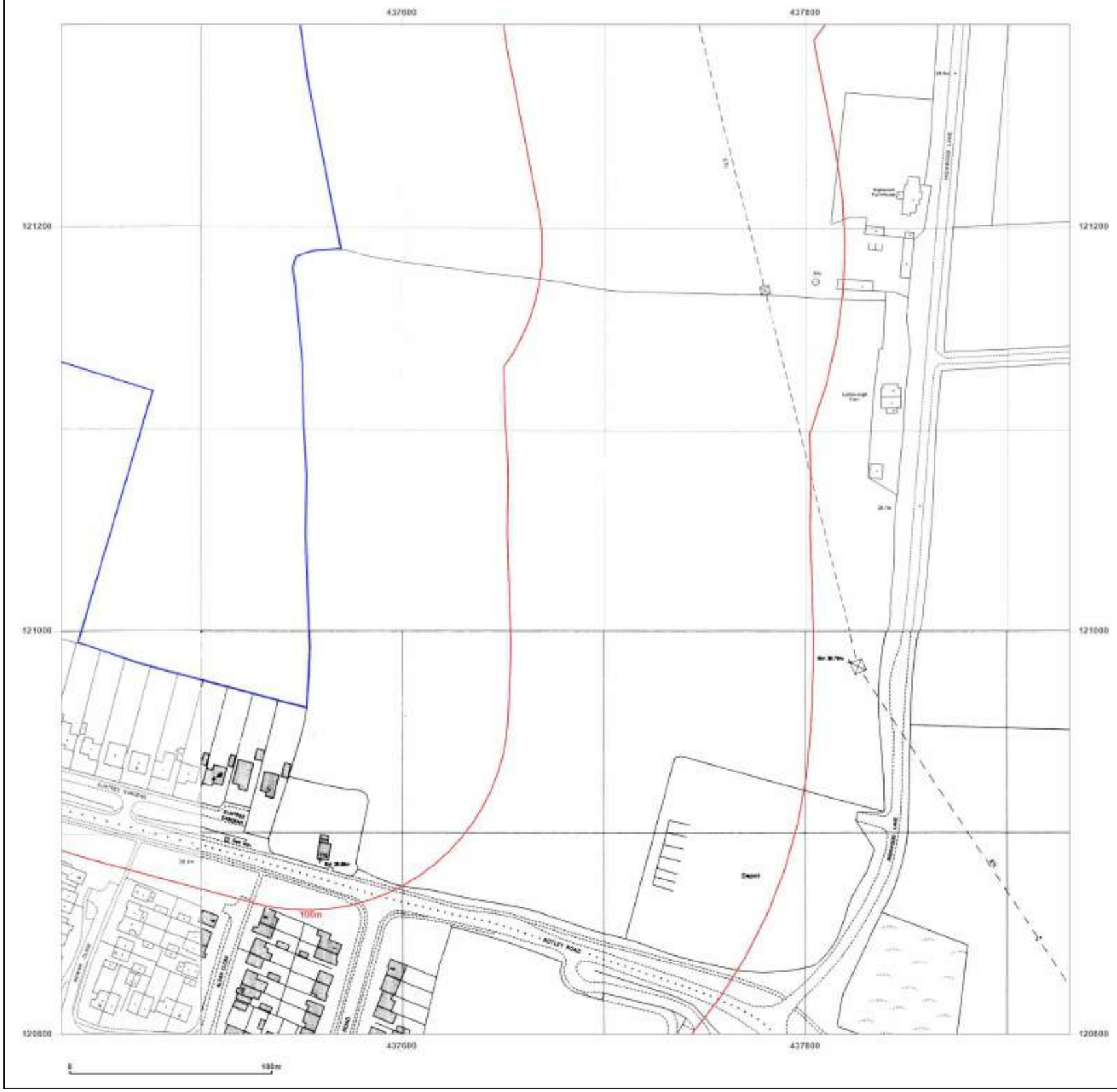

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_2_1
Grid Ref: 437681, 121050

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:1,250

Printed at: 1:2,000

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

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

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

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

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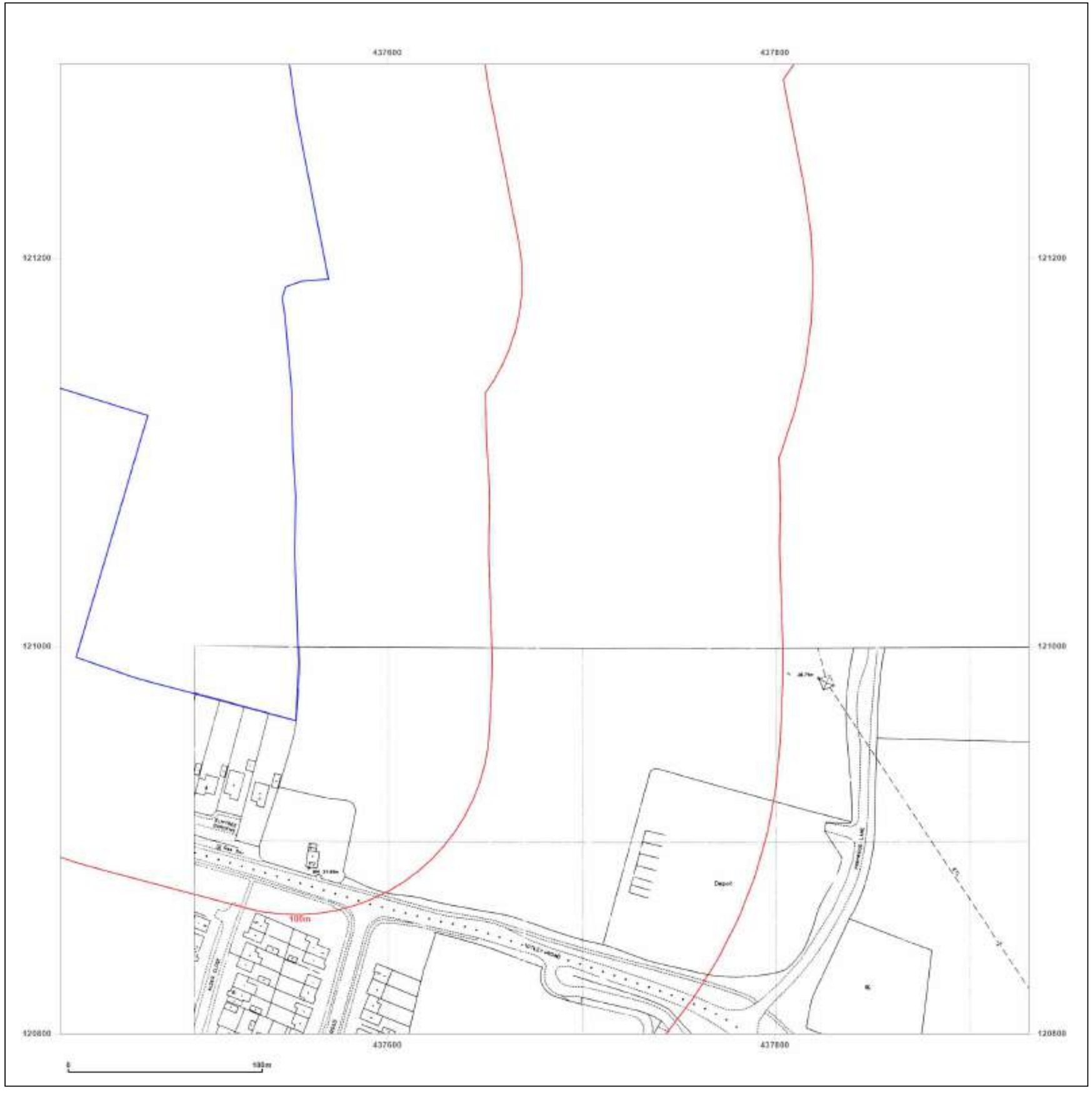

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_2_1
Grid Ref: 437681, 121050

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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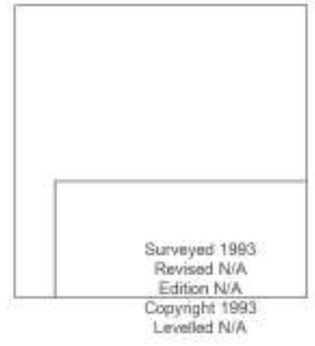

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_2_2
Grid Ref: 437681, 121550

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:1,250

Printed at: 1:2,000

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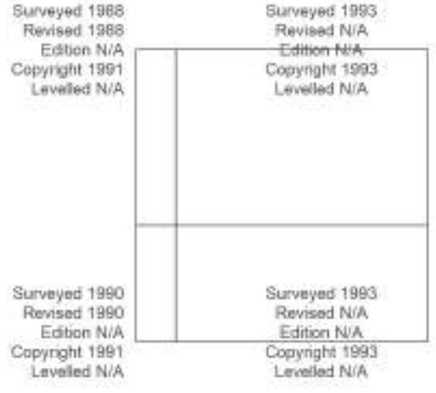

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_1250_2_2
Grid Ref: 437681, 121550

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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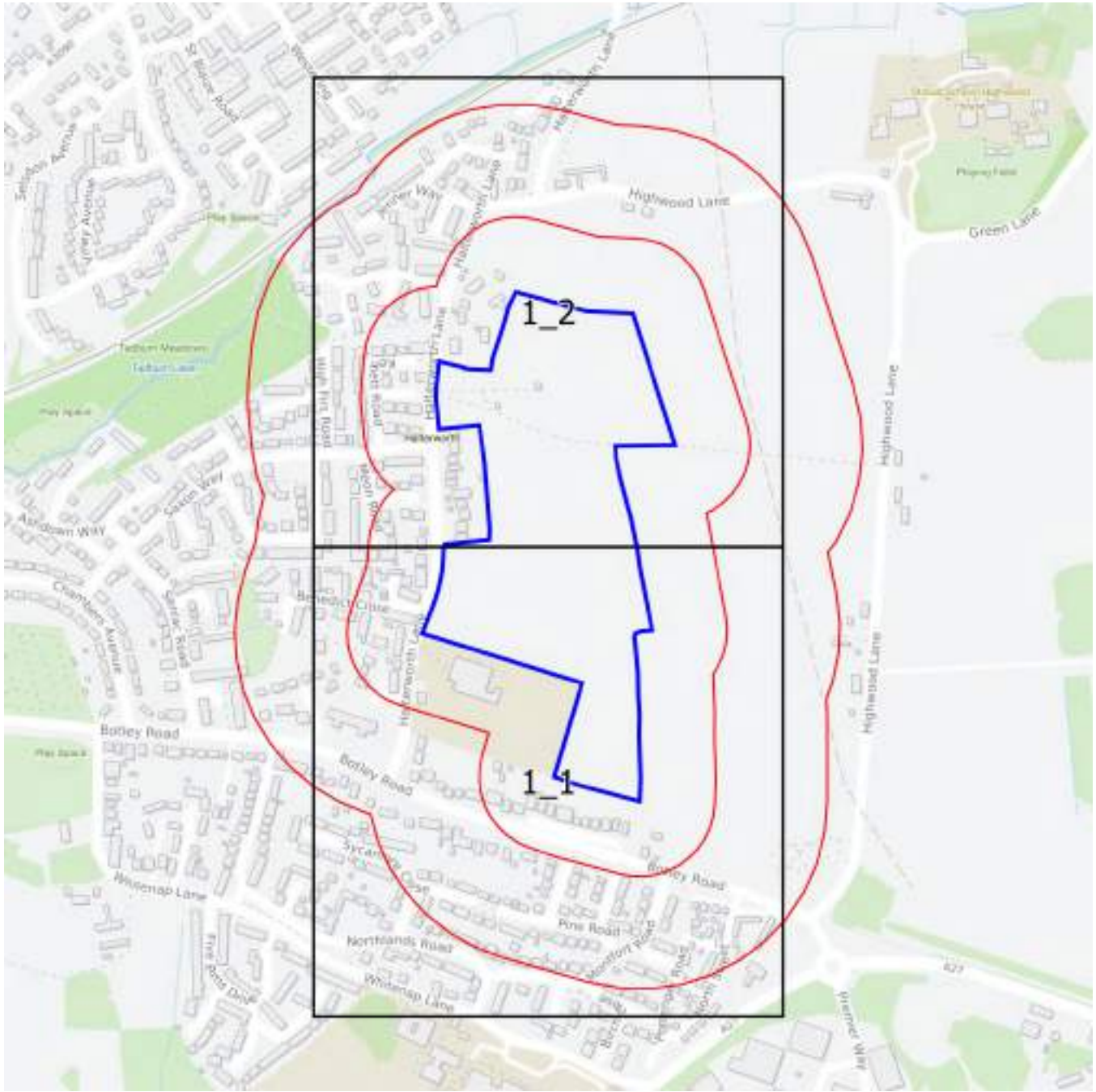

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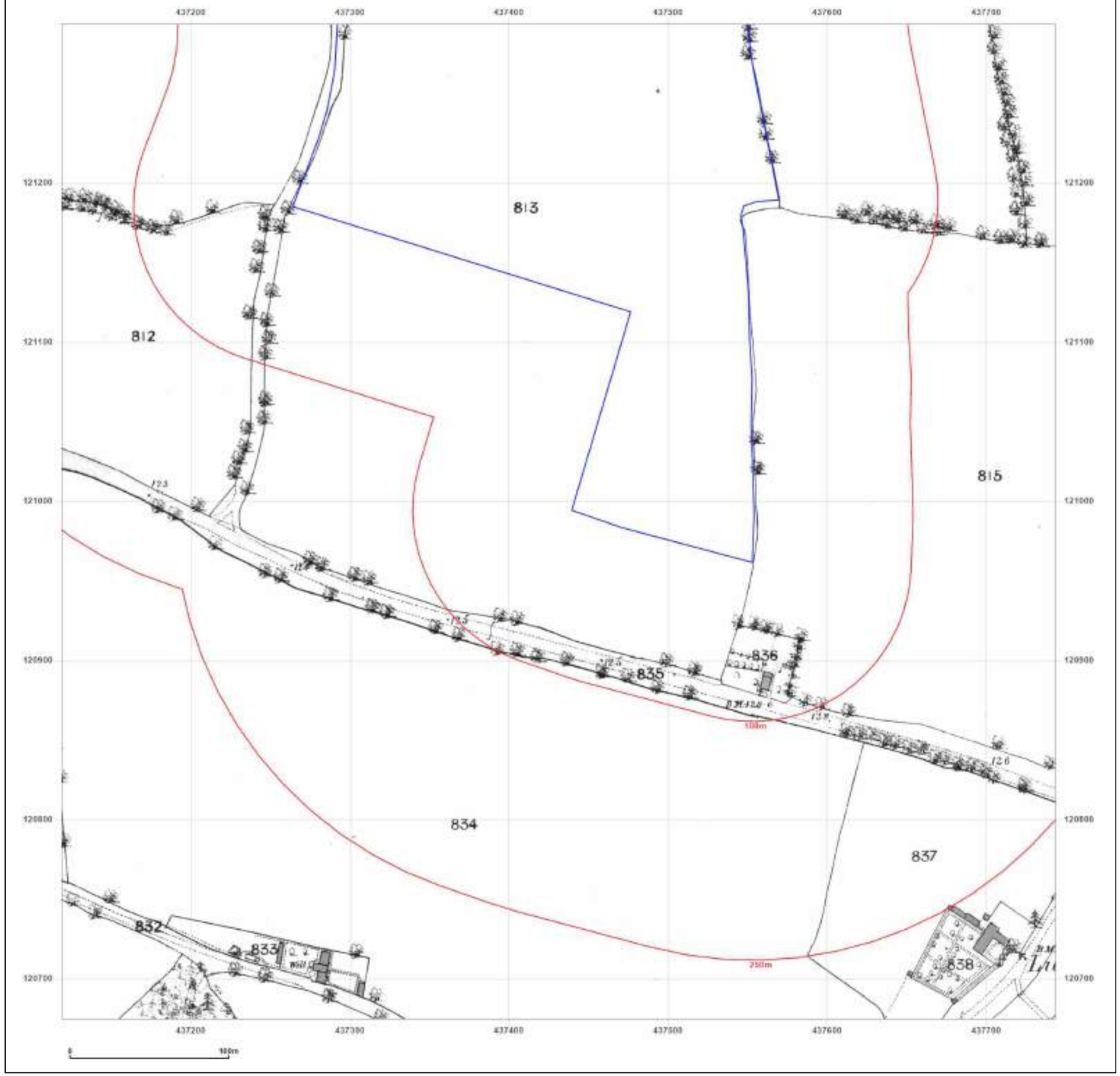

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: County Series

Map date: **1867**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1867
Revised 1867
Edition N/A
Copyright N/A
Levelled N/A

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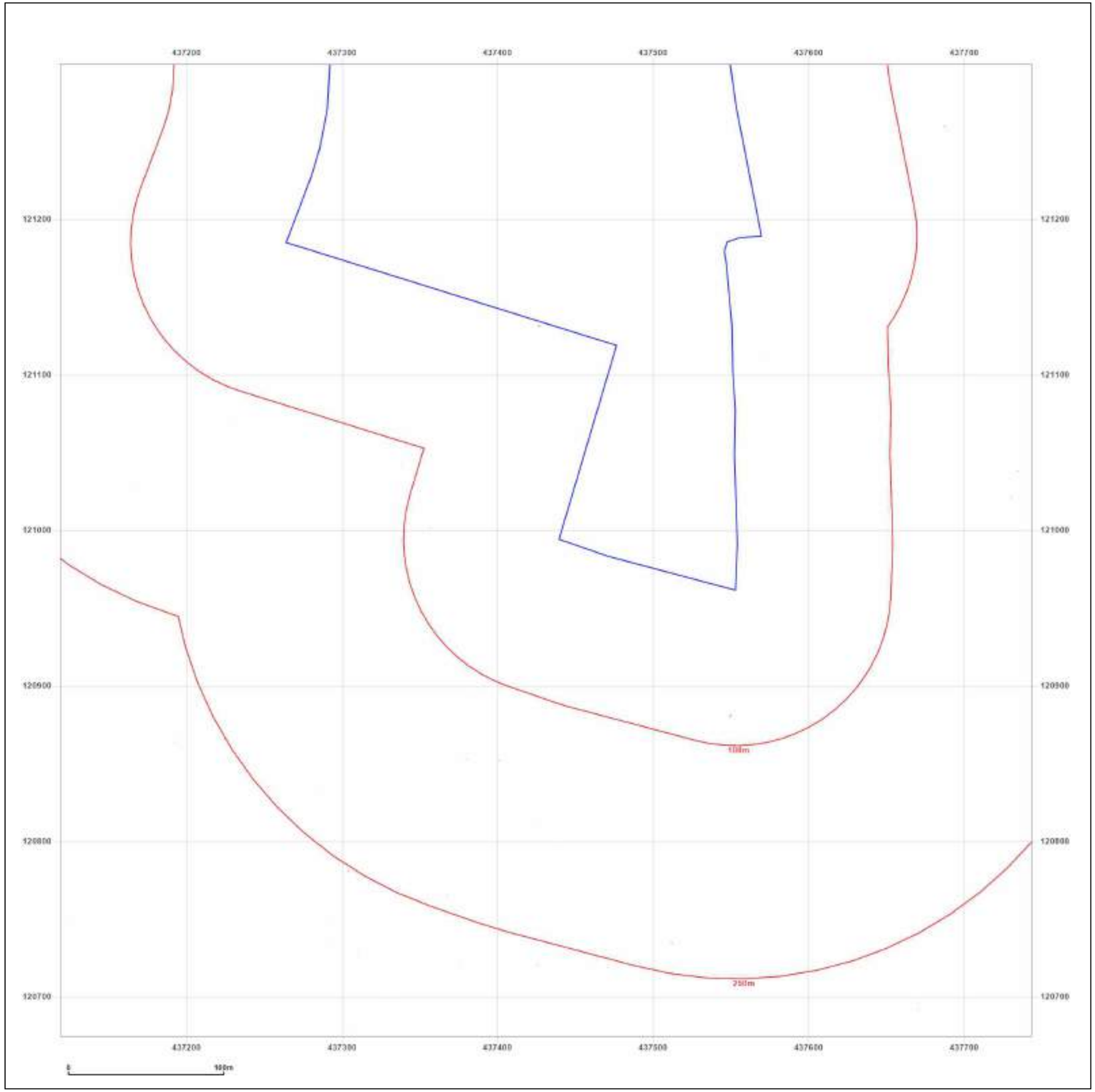

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: County Series

Map date: **1868**

Scale: 1:2,500

Printed at: 1:2,500

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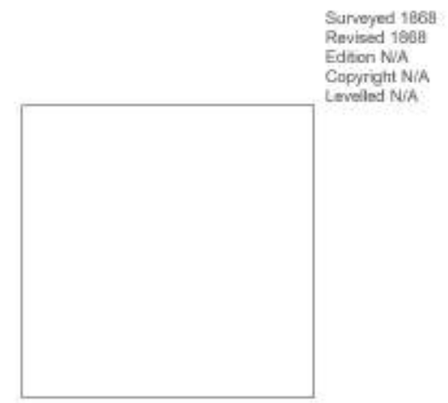

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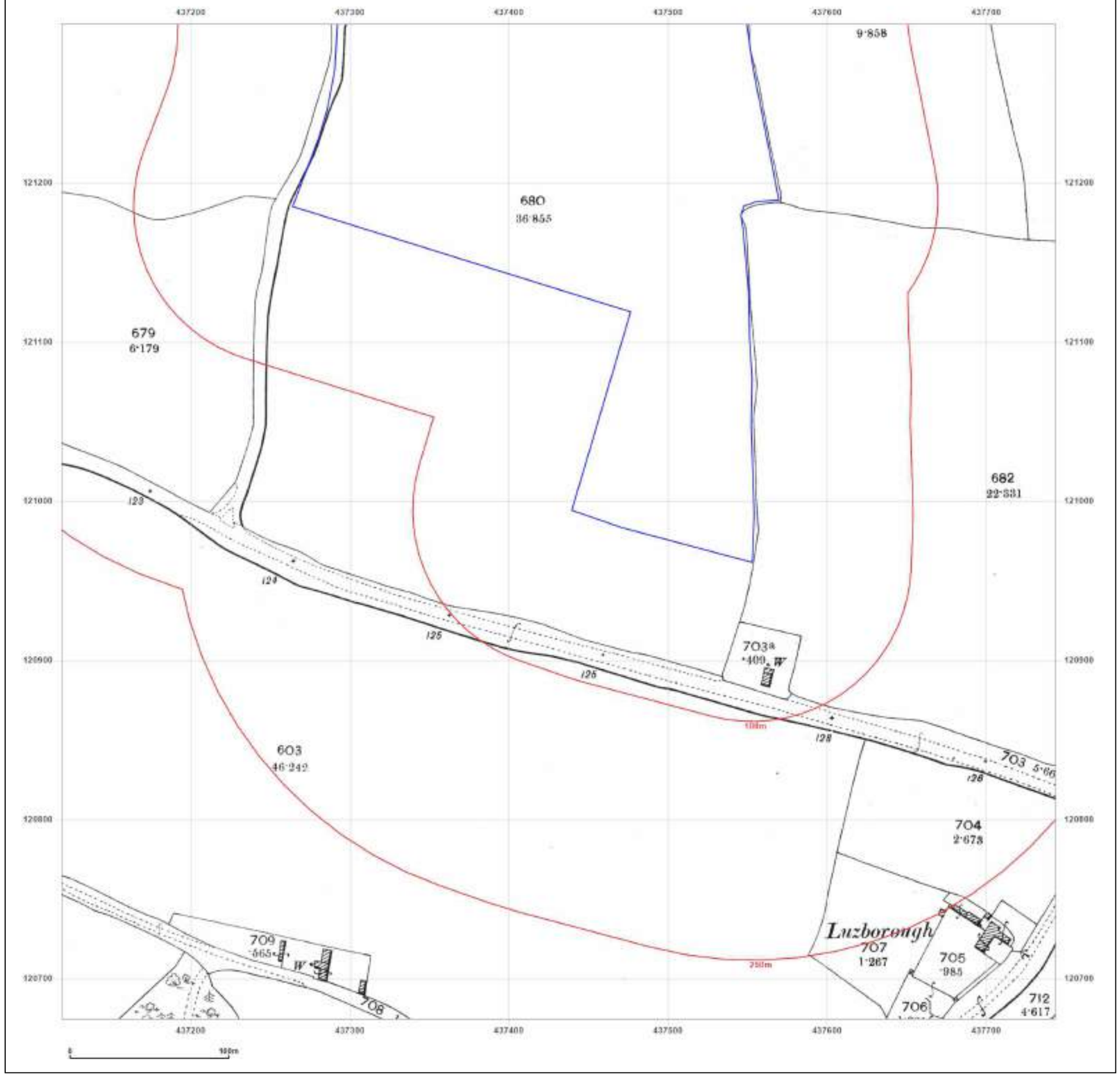

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: County Series

Map date: **1896**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

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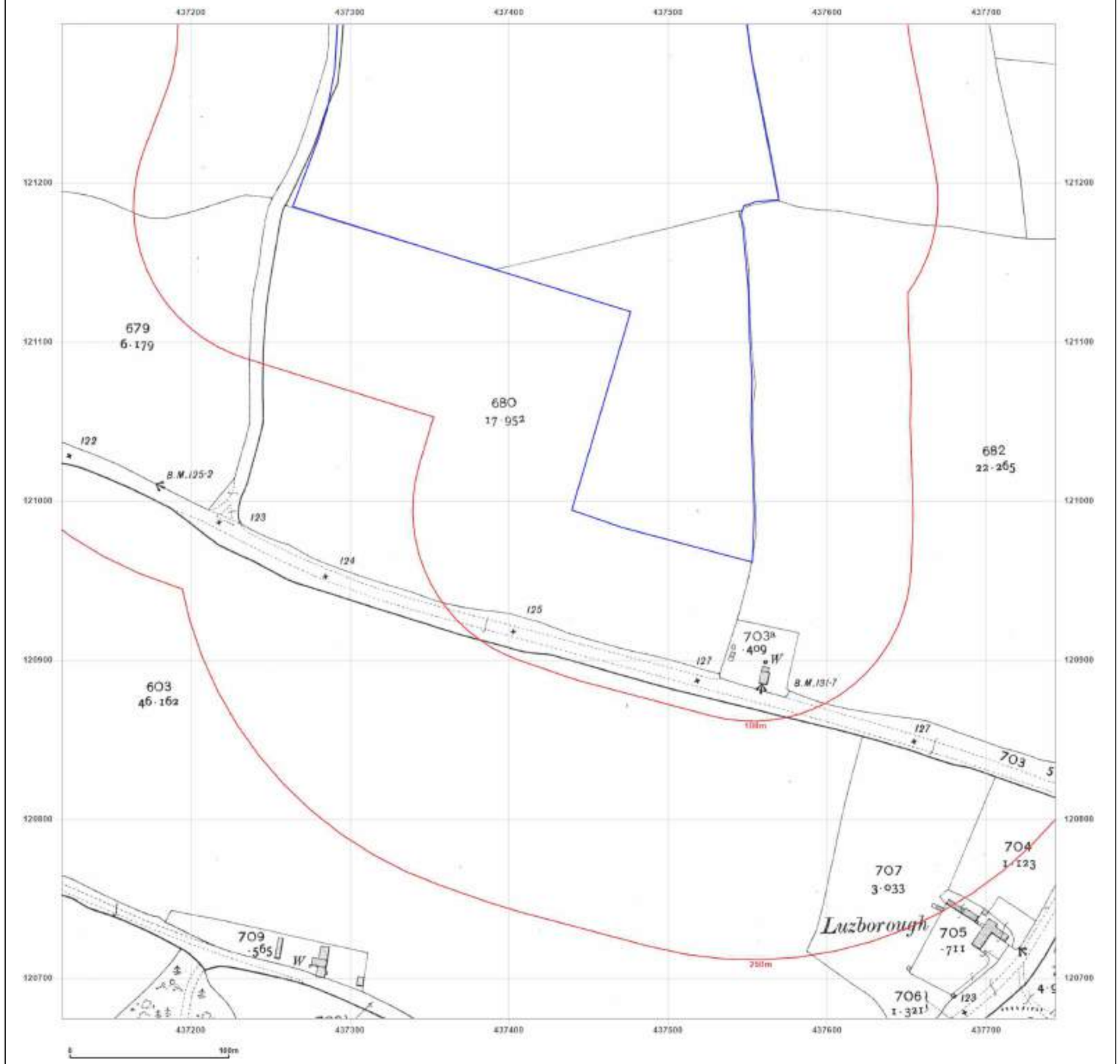

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: County Series

Map date: **1909**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

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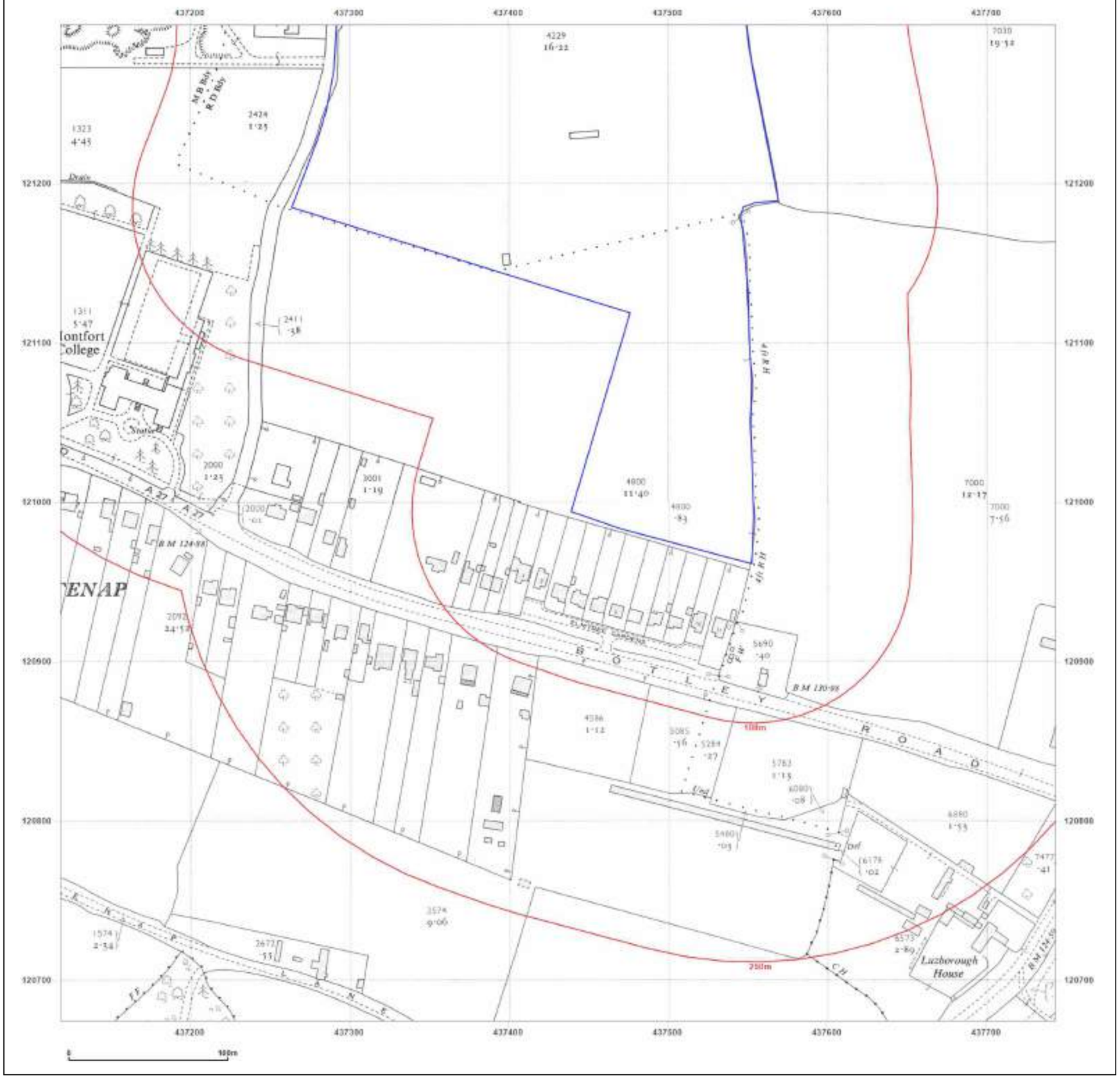

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: National Grid

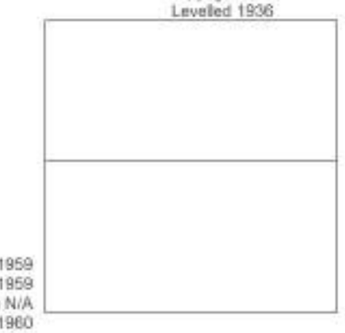
Map date: **1959**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1959
Levelled 1936



Surveyed 1959
Revised 1959
Edition N/A
Copyright 1960
Levelled 1936

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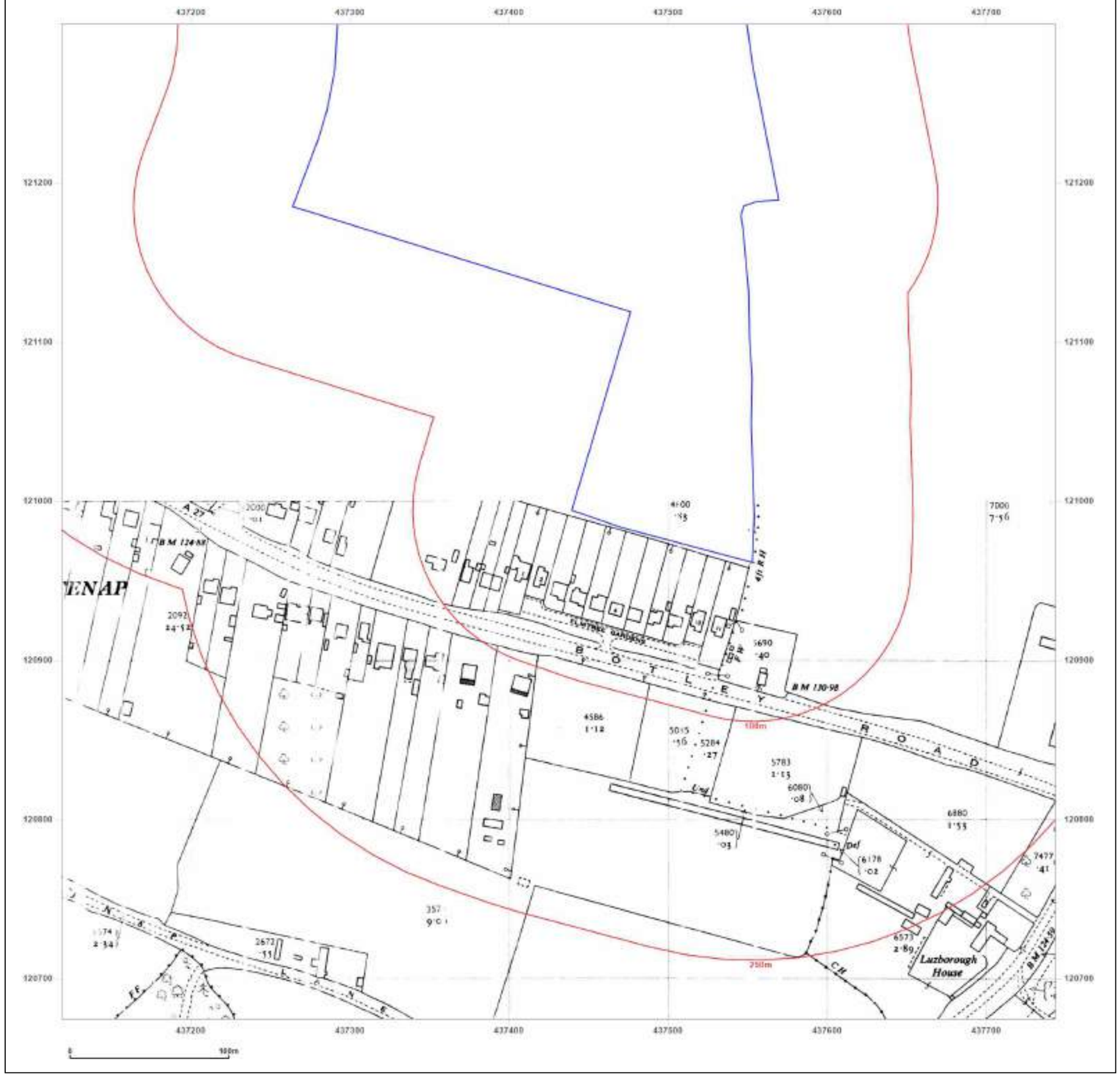

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: National Grid

Map date: **1960**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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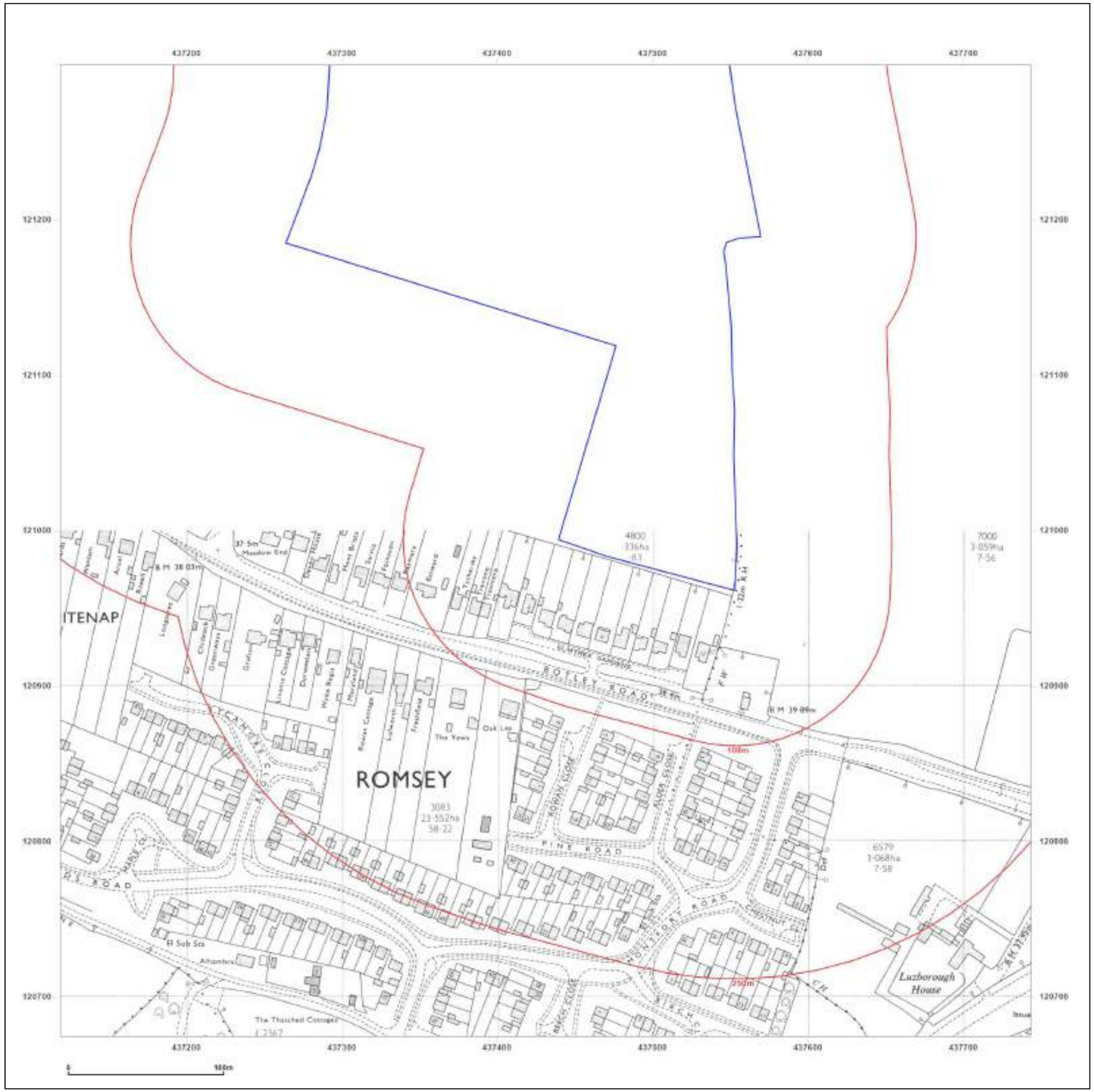

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

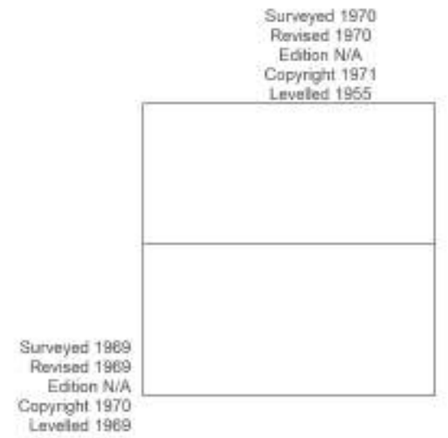
Map Name: National Grid

Map date: **1969-1970**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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Site Details:

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Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

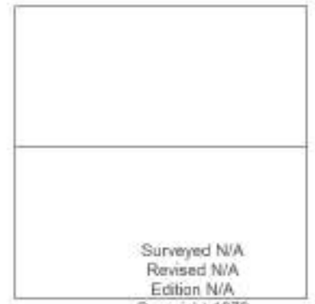
Map Name: National Grid

Map date: **1979**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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Site Details:

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Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: National Grid

Map date: **1979-1984**

Scale: 1:2,500

Printed at: 1:2,500

N
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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

Map Name: National Grid

Map date: **1985**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1959
Revised 1964
Edition N/A
Copyright 1985
Levelled 1969

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Site Details:

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Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_1
Grid Ref: 437431, 120987

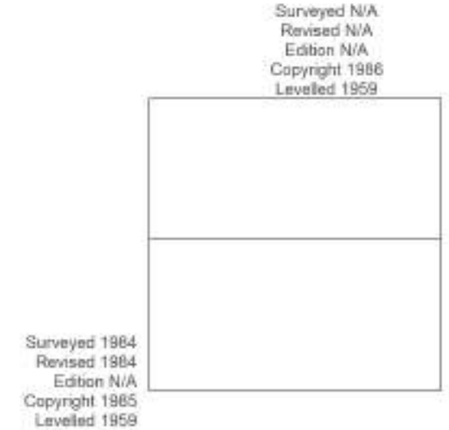
Map Name: National Grid

Map date: **1984-1986**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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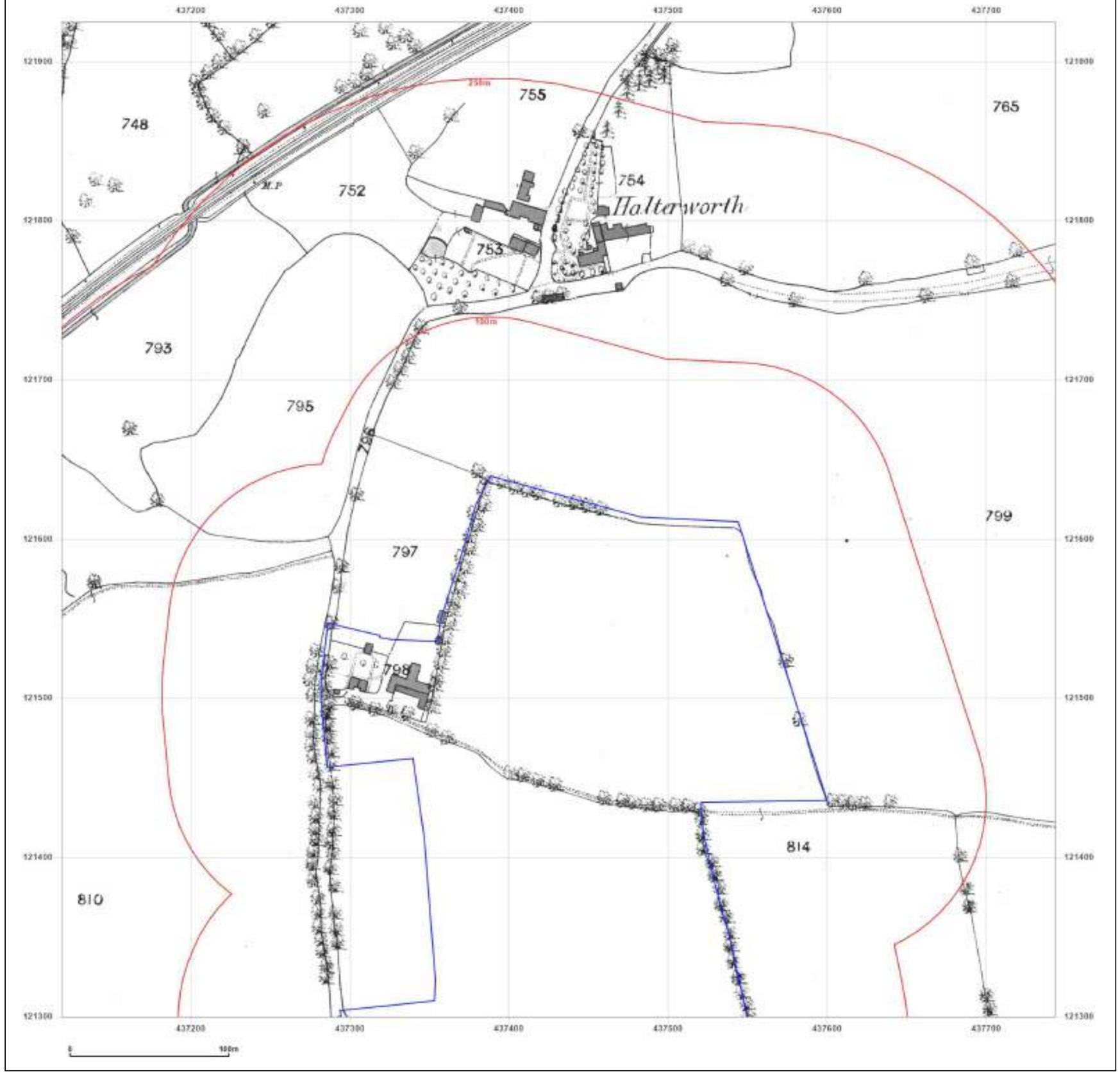

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: County Series

Map date: **1867**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1867
Revised 1867
Edition N/A
Copyright N/A
Levelled N/A

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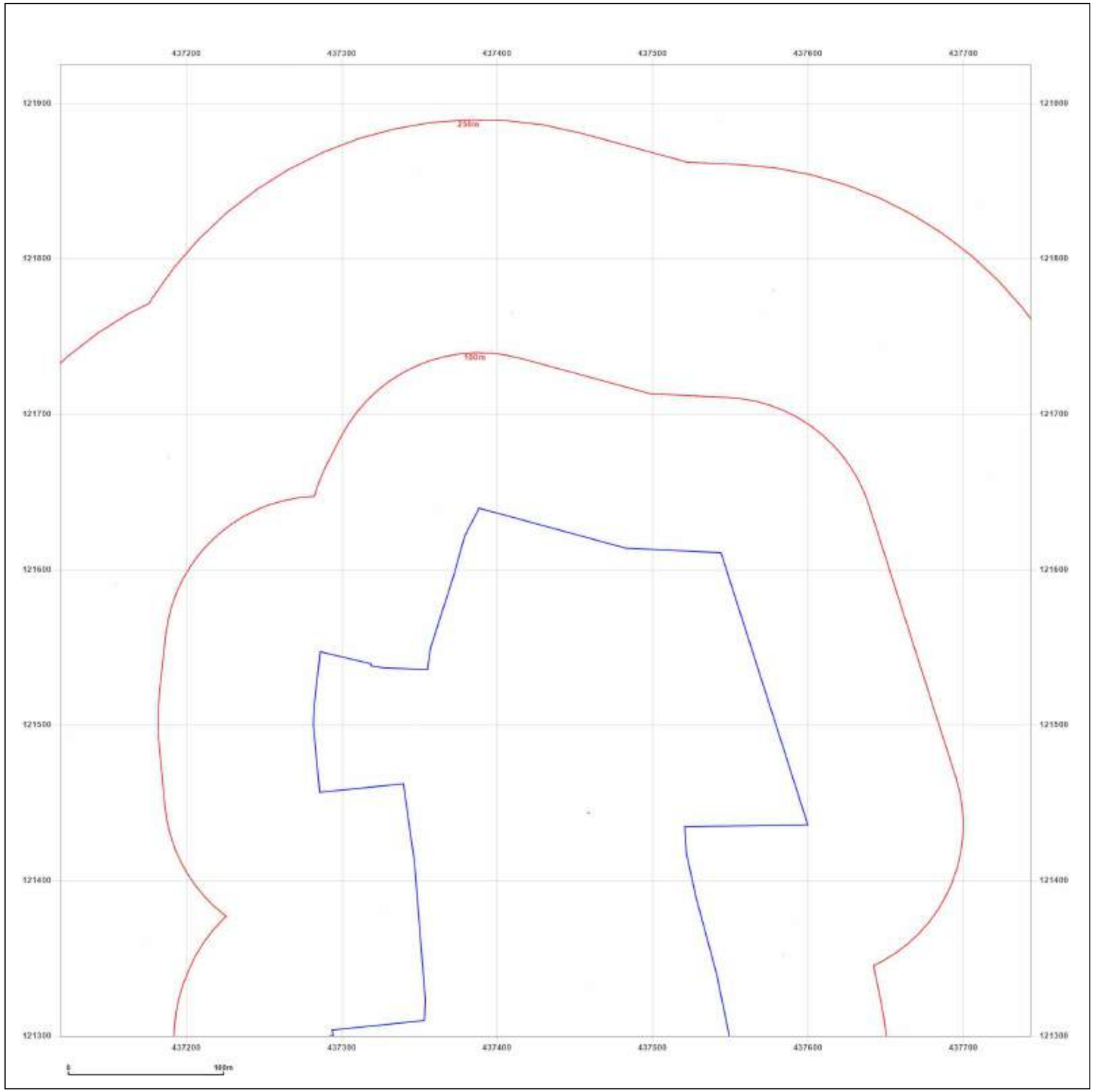

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: County Series

Map date: **1868**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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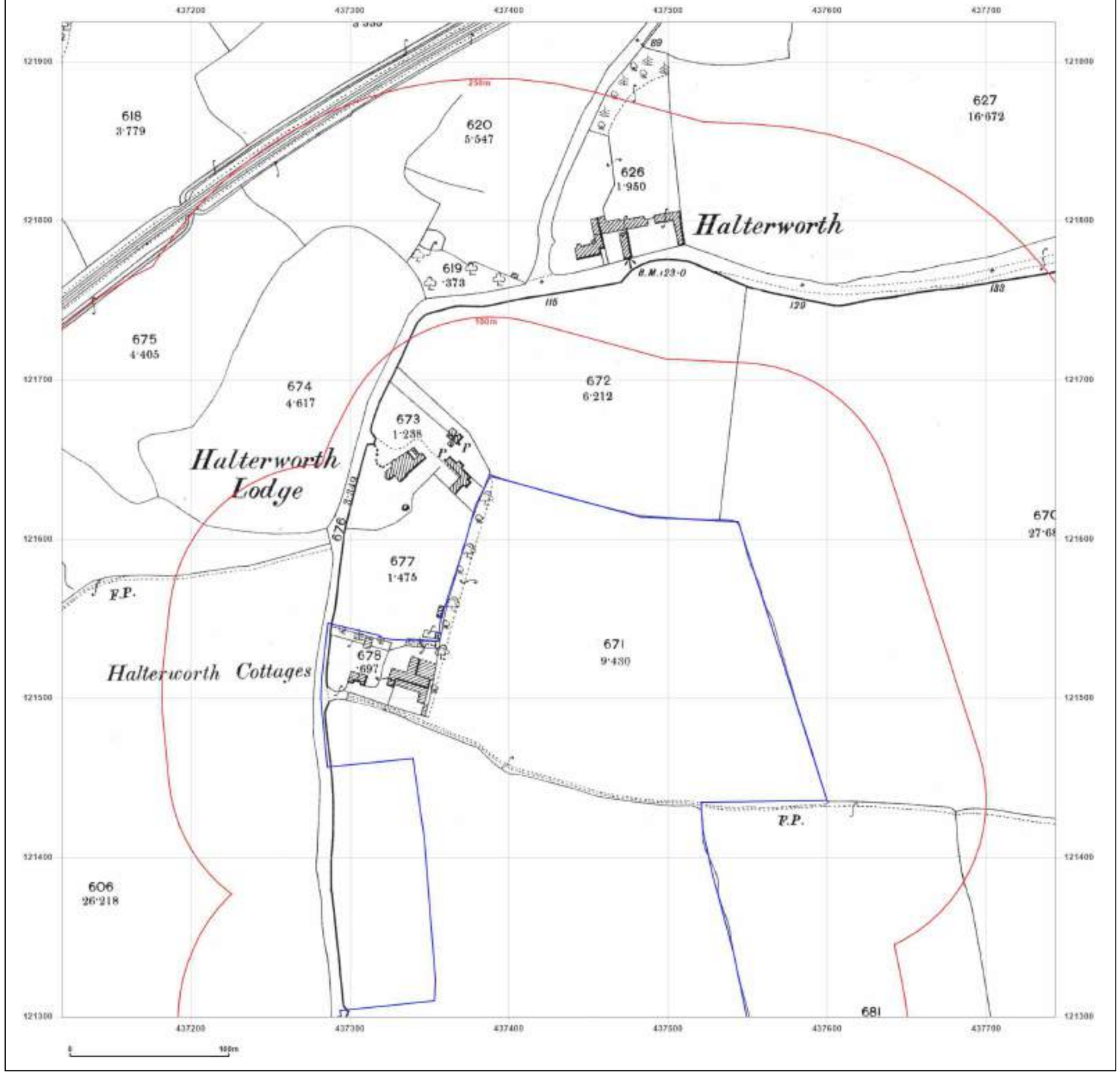

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: County Series

Map date: **1896**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1896
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

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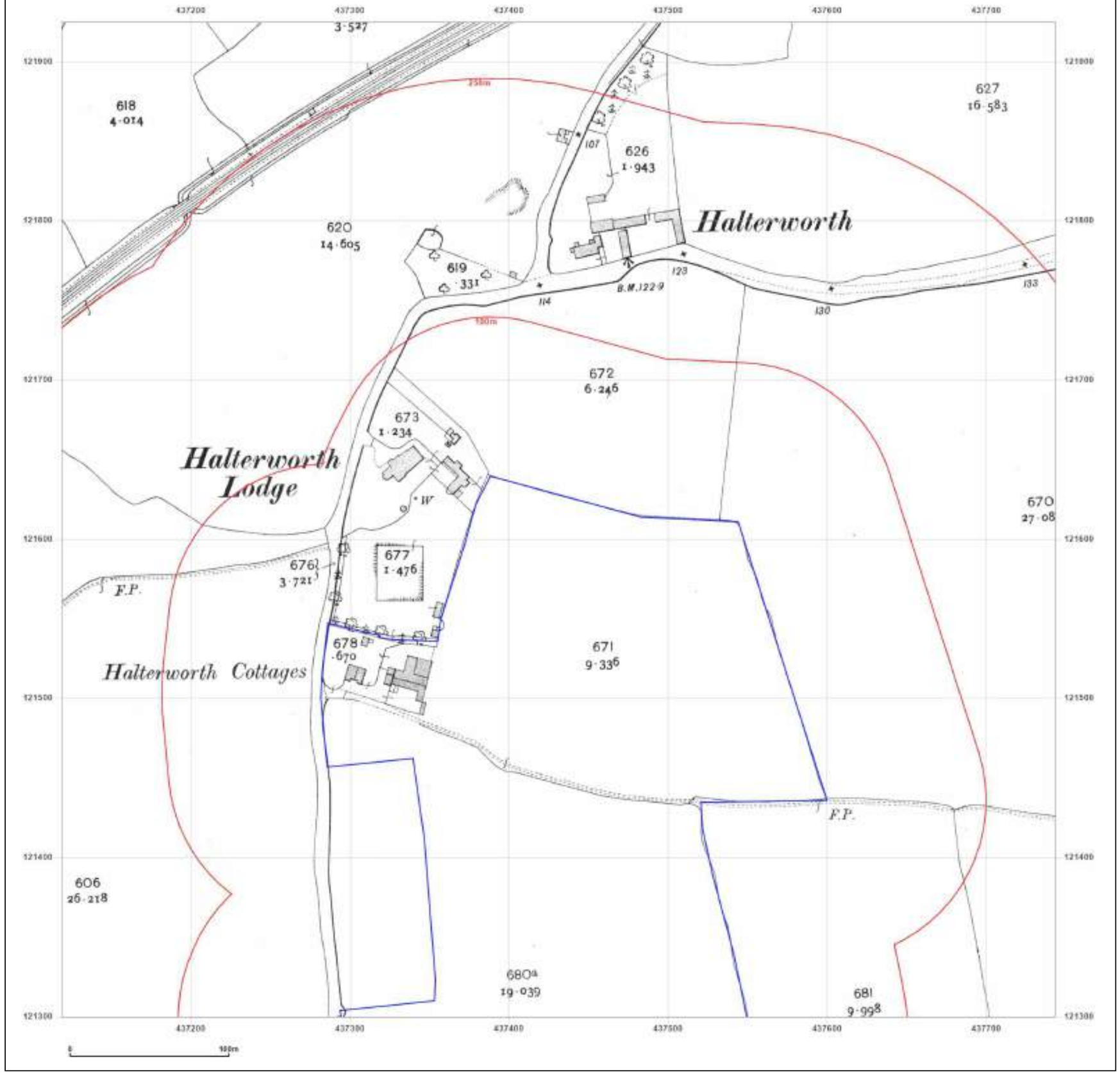

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: County Series

Map date: **1909**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1909
Revised 1909
Edition N/A
Copyright N/A
Levelled N/A

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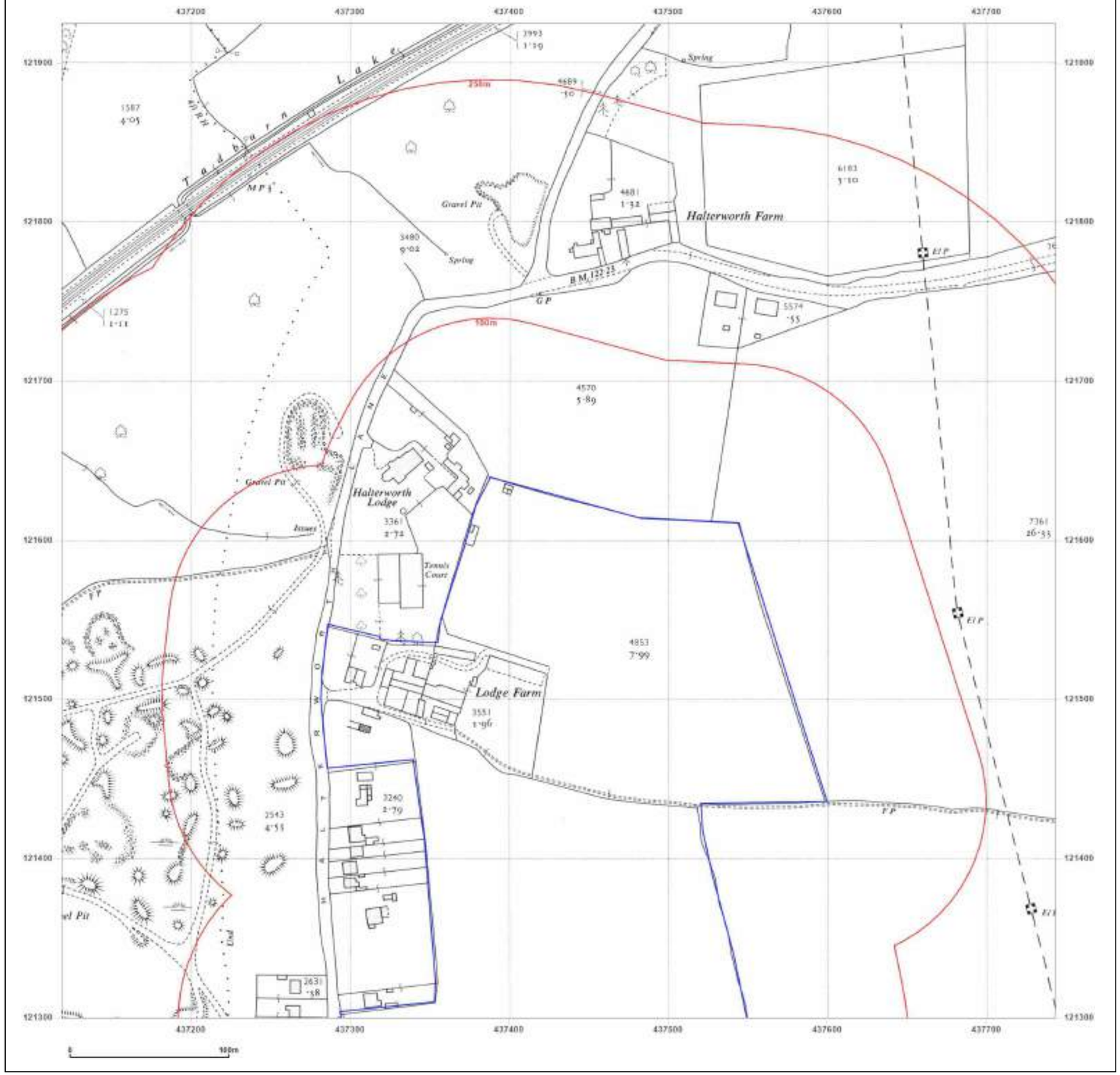

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: National Grid

Map date: **1959**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1959
Revised 1959
Edition N/A
Copyright 1959
Levelled 1936

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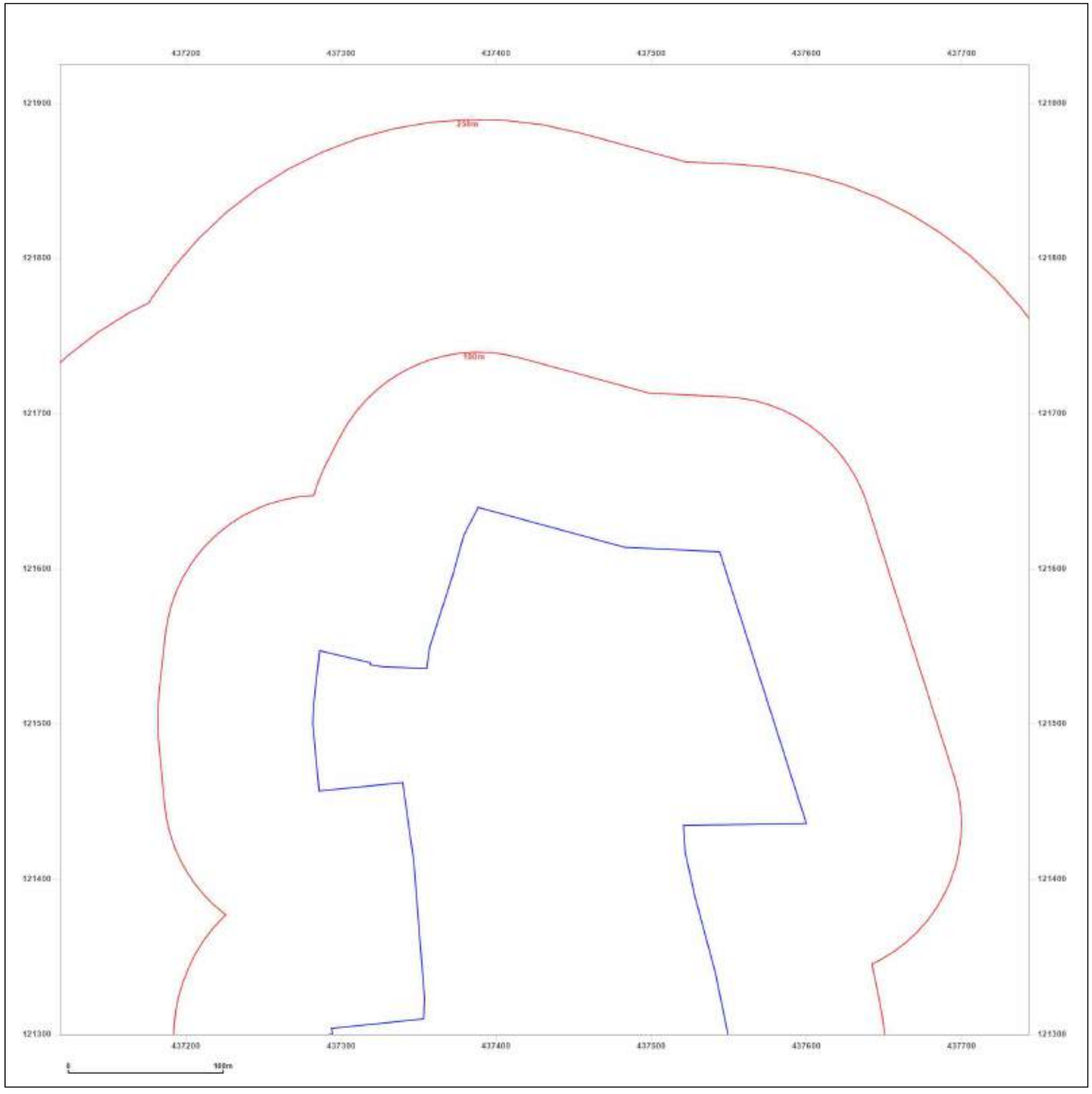

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: National Grid

Map date: **1970**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1970
Revised 1970
Edition N/A
Copyright 1971
Levelled 1955

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: National Grid

Map date: **1984**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1984
Levelled 1959

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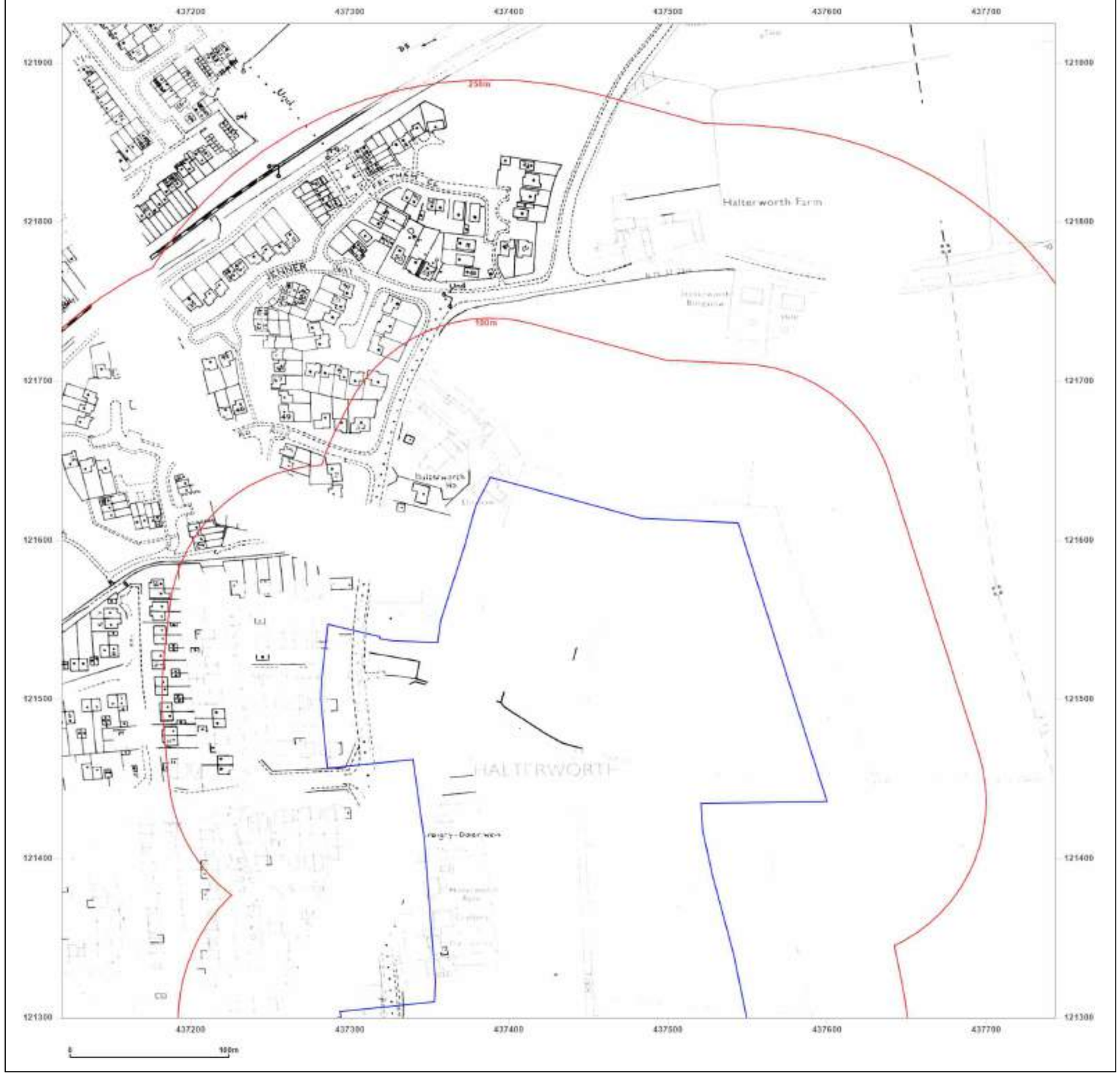

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_LS_1_2
Grid Ref: 437431, 121612

Map Name: National Grid

Map date: **1986**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1986
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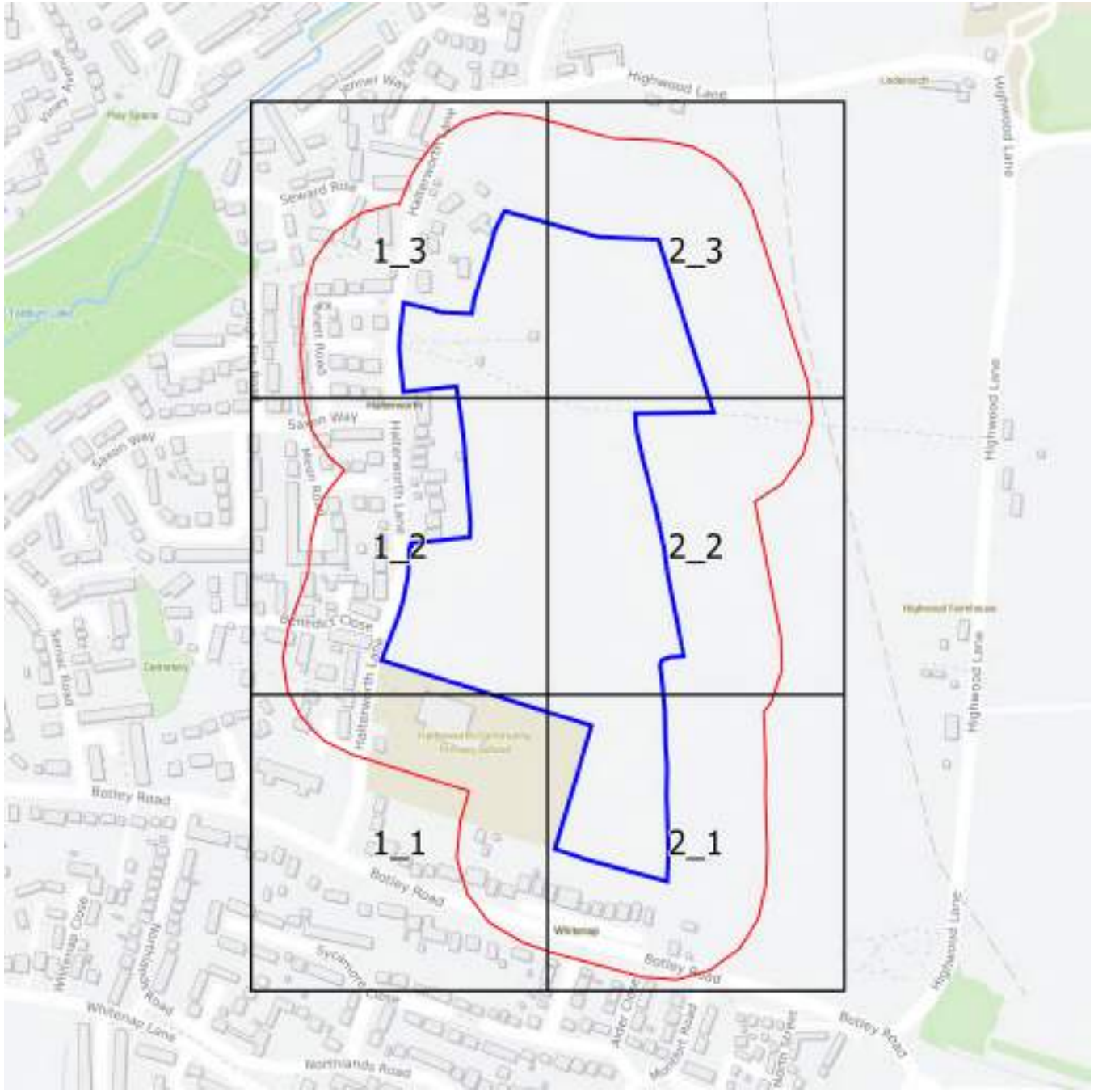

Landline Scale Grid Index

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_Landline_1_1
Grid Ref: 437281, 121000

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_896250_1109534
Report Ref: EMS-896250_1144578_Landline_1_2
Grid Ref: 437281, 121300

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

N
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EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_Landline_1_3
Grid Ref: 437281, 121600

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

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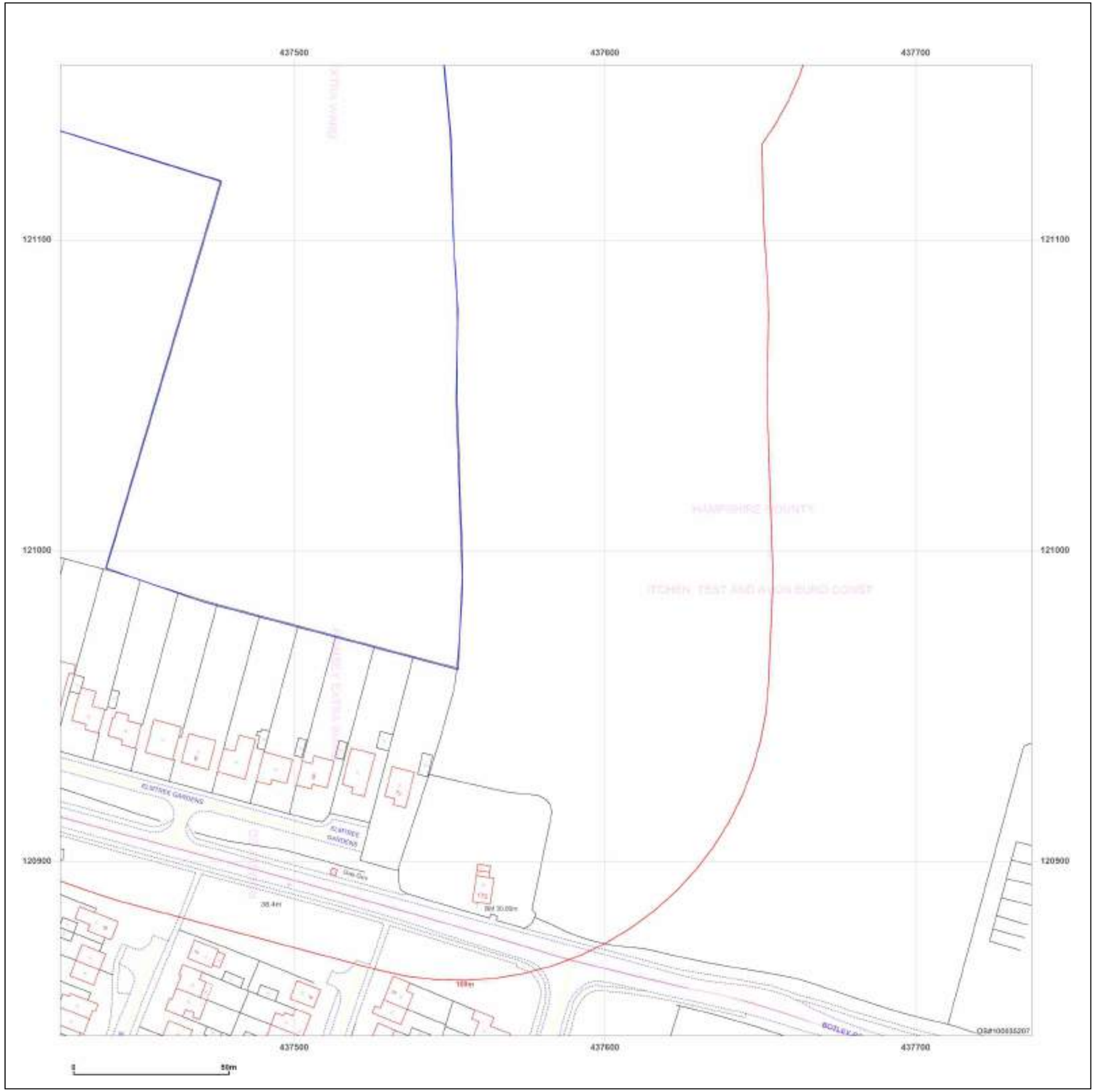

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_Landline_2_1
Grid Ref: 437581, 121000

Map Name: LandLine

Map date: **2003**

Scale: 1:1,250

Printed at: 1:1,250

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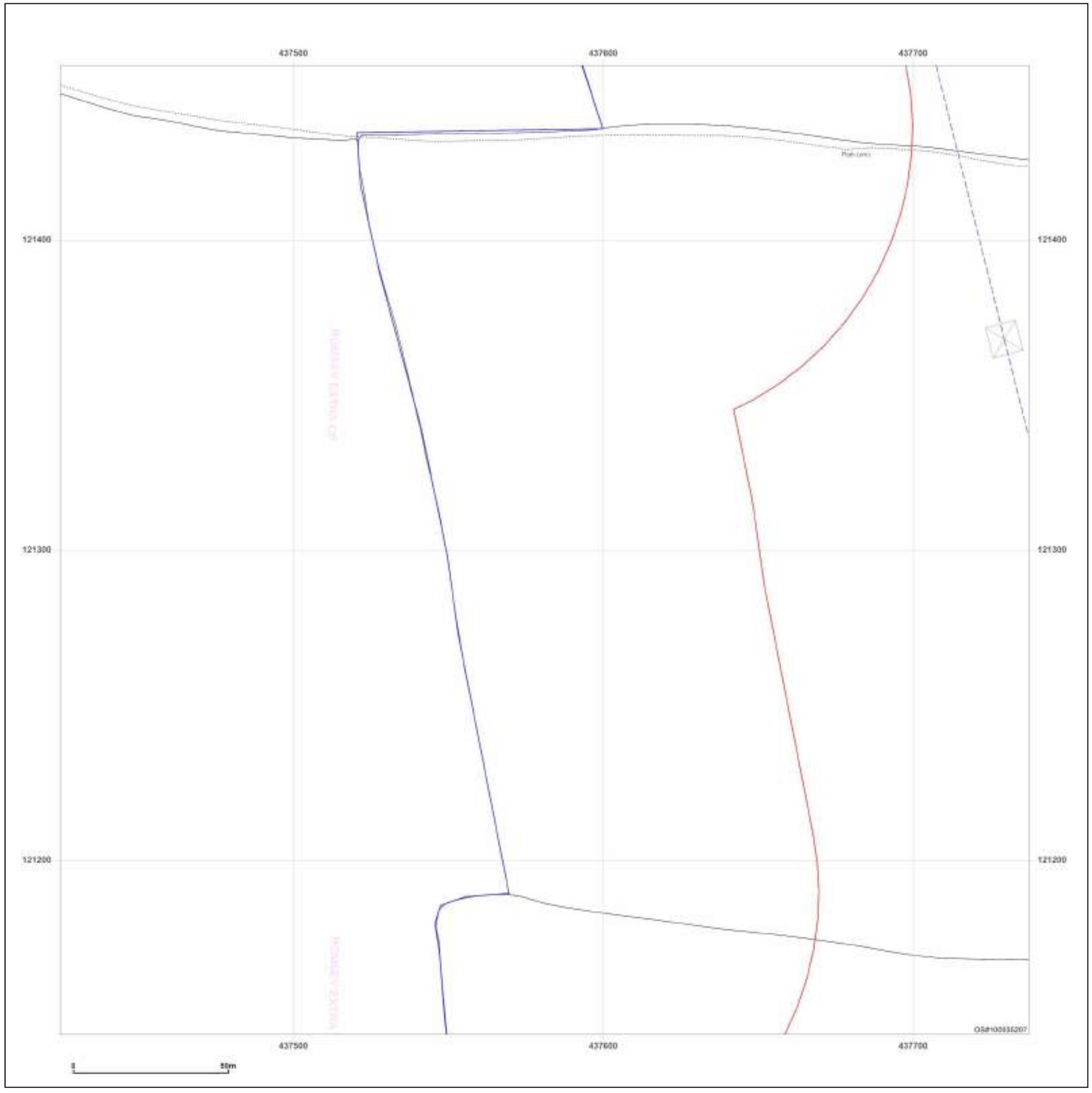

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Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_Landline_2_2
Grid Ref: 437581, 121300

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

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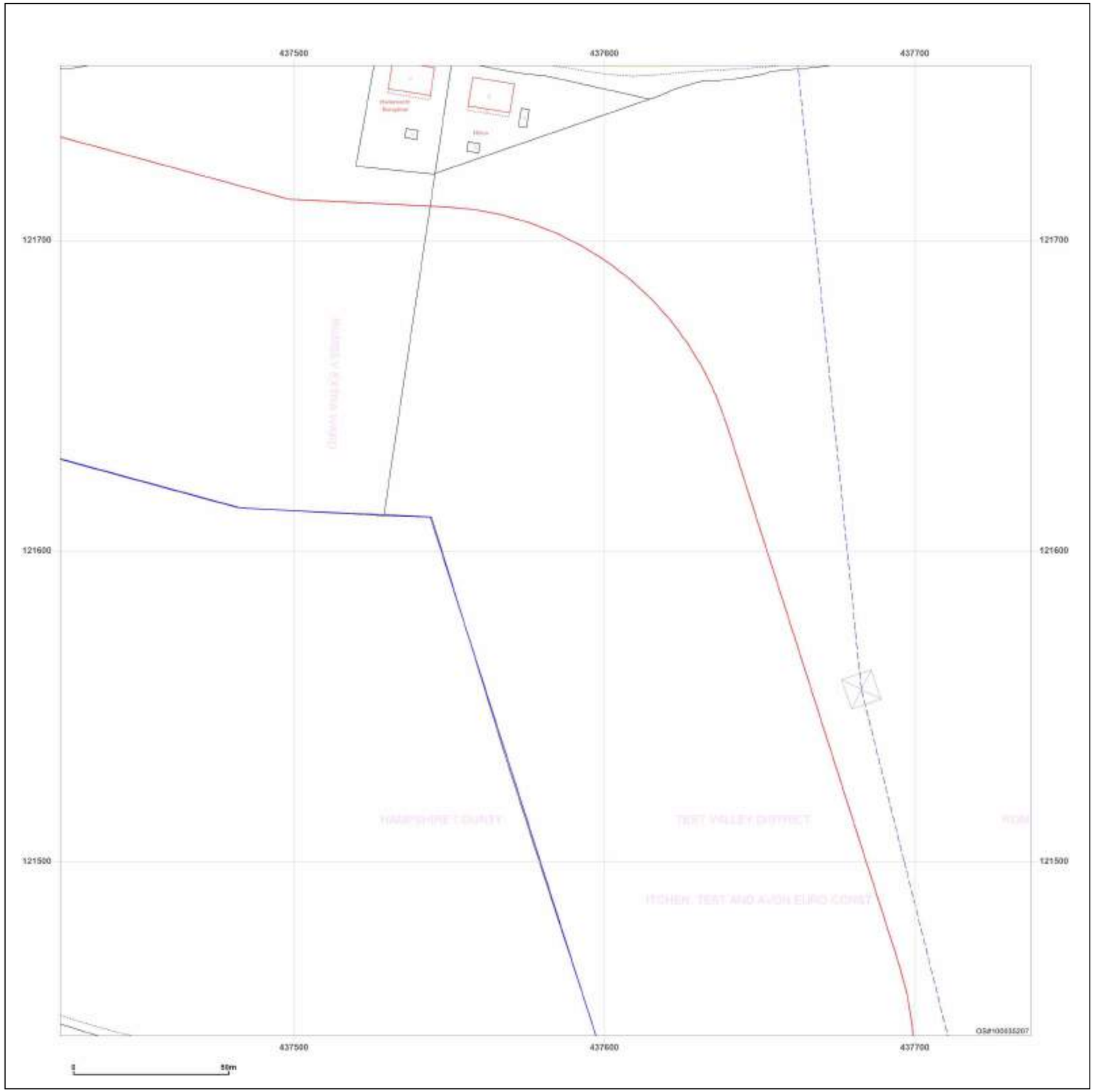

EMAPSITE™

Site Details:

unspecified

Client Ref: EMS_896250_1109534
Report Ref: EMS-896250_1144578_Landline_2_3
Grid Ref: 437581, 121600

Map Name: LandLine

Map date: **2003**

Scale: 1:1,250

Printed at: 1:1,250

N
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Cromhall
Gloucestershire
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5 Fox Valley Way
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Tel: 0114 321 5151

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