Botley West Solar Farm

Environmental Statement

Volume 3

Appendix 11.10: Botley Central Site Area – Land Parcel 13, Desktop Study and Preliminary Risk Assessment

November 2024

PINS Ref: EN010147
Document Ref: EN010147/APP/6.5
Revision P0
APFP Regulation 5(2)(a); Planning Act 2008; and Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulation

Approval for issue

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Glossary

Term	Meaning
The Applicant	SolarFive Ltd
The Project	The Botley West Solar Farm (Botley West) Project
Conceptual Site Model	used to identify potential sources, pathways and receptors and how they interact (i.e. potential pollutant linkages) on site post development
Controlled Waters	Controlled waters mean territorial waters within the 3 nautical mile limit, coastal waters extending inland, inland waters and ground water
Desk Top Study	A desk study is the collation and review of information already available in the public domain and is carried out at an early stage of site appraisal and forms the basis of the preliminary risk assessment
Pathway	How the contaminant may be expected to move/migrate to a receptor
Preliminary Risk Assessment	Report that presents a summary of readily available information on the geotechnical and/or geo-environmental characteristics of the site and provides a qualitative assessment of geo-environmental and/or geotechnical risks in relation to the proposed development.
Principal Aquifer	These formations provide a high level of water storage and may support water supply and / or river base flow on a strategic scale
Receptor	Target that could be adversely affected by contaminants
Secondary A Aquifer	These formations are formed of permeable layers capable of supporting water supplies at a local scale, in some cases forming an important source of base flow to rivers.
Secondary B Aquifer	These formations are generally formed of lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering
Secondary Undifferentiated Aquifer	Secondary undifferentiated are aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type. These have only a minor value
Site of Special Scientific Interest	Sites designated by Natural England under the Wildlife and Countryside Act 1981. This can include sites of national and international importance for sediments, rocks, fossils, and features of the landscape
Source	Source of contamination
Unproductive Strata	These formations have a low permeability and have negligible significance for water supply or base flow

Abbreviations

Abbreviation	Meaning
DCO	Development Consent Order
AOD	Above Ordnance Datum
bgl	Below Ground Level
BGS	British Geological Survey
CIRIA	Construction Industry Research and Information Association
CSM	Conceptual Site Model
DTS	Desk Top Study
EA	Environment Agency
HDD	Horizontal Directional Drilling
NGET	National Grid Electricity Transmission
NGR	Ordnance Survey National Grid Reference
NPPF	National Planning Policy Framework
NVZ	Nitrate Vulnerable Zone
PAOC	Potential Areas of Concern
PRA	Preliminary Risk Assessment
PV	Photovoltaic
PVDP	Photovolt Development Partners GmbH
RBMP	River Basin Management Plan
SAC	Special Area of Conservation
SPA	Special Protection Area
SPZ	Groundwater Source Protection Zone
SSSI	Site of Special Scientific Interest
UXO	Unexploded Ordnance
WFD	Water Framework Directive

Units

Unit	Description
%	Percentage
m	Metres
kV	Kilovolt
km	Kilometre
MW	Megawatt

1 Botley Central Site Area Land Parcel 13, DTS & PRA

1.1 Introduction

1.1.1 This Appendix of the Environmental Statement (ES) has been prepared by RPS on behalf of Photovolt Development Partners GmbH. (PVDP) for the Applicant, SolarFive Ltd. (SolarFive). This Appendix supports Chapter 11 of the ES.

1.1.2 The Project will be located in the county of Oxfordshire, across an area of approximately 1,300 ha. The Project extends from an area of land in the north, situated between the A4260 and the Dorn River Valley near Tackley and Wootton (Northern Site Area), through a central section, situated broadly between Bladon and Cassington (Central Site Area), and connecting to a section further south near to Farmoor Reservoir and north of Cumnor (Southern Site Area), where the Project will connect to the National Grid transmission network. The name 'Botley West' is derived from the location of the grid connection point. The consent being sought for the Project is a temporary one. Temporary consent is being sought for a 42-year period during which the solar farm will be constructed, operated and decommissioned.

1.1.3 The Project comprises three main development sites for installation of ground-mounted solar photovoltaic (PV) panels (Northern Site Area, Central Site Area and Southern Site Area) The Project's solar arrays will be connected by electrical cables within each of the Site Areas. The interconnecting cable routes between the Site Areas will largely follow the public highway, but some parts will cross land either leased by the Client or the subject of an easement agreement.

1.1.4 A Site Location Plan showing the location and order limits for The Project is presented as Drawing 1. In order to provide sufficient detail for the PRA, the three main areas of The Project have been sub-divided by RPS into fourteen land parcels (referenced as Land Parcels 01 – 14) and the two linking cable route corridors (referenced as Land Parcels 15 and 16). Land Parcel 1 was discounted from requirement for further assessment following completion of an initial EIA Scoping exercise undertaken by RPS in February 2023.

1.1.5 This report presents the DTS information and PRA for Land Parcel 13, forming Botley Central Site Area as shown in Figure 1.

1.1.6 The Desk Study assessment is based upon a review of published information available from local, regional and national agencies. The desk study information is derived from Insights Reports provided by Groundsure, Ref. GSIP-2022-12757-10509 and GSIP-2022-12757-10510_2b which are presented as Annexes C and D. Please note the terms and conditions attached to the supply of data from Groundsure.

1.2 Objectives

1.2.1 The principal objectives of this assessment were as follows:

- Establish from published sources the geological sequence for the Application Site for Land Parcel 13 and potential for ground instability to

occur through development proposals and the extent and nature of any safeguarded minerals reserves;

- To assess potential sources of contamination at the site, associated with historical and current land uses both on site and in the surrounding area;
- To review the environmental setting to assess the sensitivity of the surrounding area to contamination/pollution;
- To produce an outline Conceptual Site Model (CSM) detailing how any contamination may impact the identified receptors via pollutant linkages; and
- To conclude on the likely requirement for any further assessment and ground investigation required in support of the planning application.

1.2.2 The PRA methodology utilised in the preparation of this assessment is presented in detail in Annex A.

1.3 Legislation and Guidance

1.3.1 The assessment has been undertaken in general accordance with British Standard BS EN ISO 21365:2020 and is considered suitable to meet the initial requirements of planning as outlined within the National Planning Policy Framework (NPPF). The assessment also reflects the recommendations of Environment Agency guidance, Land Contamination: Risk Management, (LCRM 2023).

1.3.2 This report has been produced in general accordance with:

- Contaminated Land (England) Regulations 2006 (as amended);
- DEFRA Environmental Protection Act 1990: Part 2A – Contaminated Land Statutory Guidance (2012);
- Environment Agency (2023) Land Contamination: Risk Management (LCRM 2023);
- National Planning Policy Framework (2023);
- CIRIA Document C665: Assessing Risks Posed by Hazardous Ground Gases to Buildings;
- British Standard requirements for the 'Investigation of potentially contaminated sites – Code of practice' (ref. BS10175:2011+A2:2017);
- British Standard requirements for the 'Code of practice for ground investigations' (ref. BS5930:2015+A1:2020); and,
- British Standard requirements for the 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings' (ref BS8485:2015+A1:2019).

1.3.3 Details of the limitations of this type of assessment are described in Annex B.

2 Site Description and Desk Study

2.1 Site Location (Land Parcel 13)

2.1.1 Land Parcel 13 is located east of Lower Road, north of the town of Eynsham, in Oxfordshire. The parcel is an irregular shaped plot of land with a representative address provided as Lower Road, Long Hanborough, Witney OX29 4EH. It is centred at approximate National Grid Reference SP 43651 11195. See Figure 1 below for the extent of Land Parcel 13.

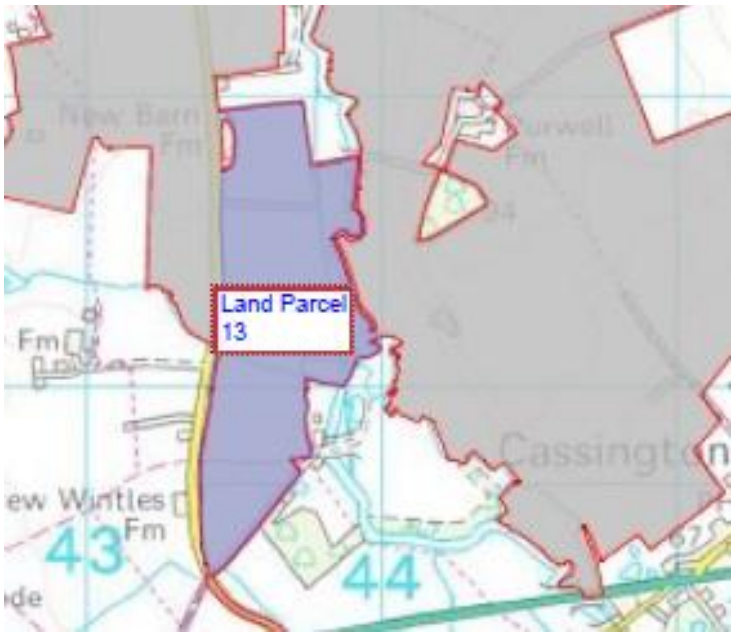


Figure 1: Extent of Land Parcel 13

2.1.2 Land parcel 13 covers an approximate area of 58.2 hectares and currently comprises undeveloped agricultural land. The site is noted as being generally level and flat with topography ranging from 68 m Above Ordnance Datum (AOD) in the north of the site, to 66 m AOD in the south of site.

2.1.3 A targeted site inspection has not been undertaken on this land parcel given the absence of any on site permitted current activities or potential contaminant sources identified from environmental data searches.

2.1.4 From Google Earth aerial photo images (May 2020), Land Parcel 13 is located in an area of predominantly agricultural land use. Based on the images reviewed the neighbouring land consisted of the following:

Table 2.1: Neighbouring Land Uses

Direction	Description
North:	Immediately north is an unnamed road leading to Goose Eye Farm with agricultural land thereafter.
East:	Immediately north-east is the River Evenlode. Immediately south-east is Mill Lane, with undeveloped agricultural land noted thereafter.

Direction	Description
South:	Undeveloped agricultural land, with the A40 highway noted approximately 260 m south close to the town of Eynsham.
West:	Immediately to the west is Lower Road with undeveloped agricultural land thereafter.

2.2 Proposed Development

2.2.1 The proposed development is to comprise a temporary 1,307 MWp solar farm installation. The Project will connect to a new National Grid Electricity Transmission (NGET) system, via a new National Grid 400 kV substation, to be located close to the existing National Grid 400 kV line that runs between Cowley in Oxford, westwards to Walham, in Gloucestershire. The majority of the development (840 ha) will comprise solar PV modules (solar panels). At the highest point the modules will be 2.2 m and at the lowest point the modules will be 0.8 m. The arrays are intended to be fixed, not rotating. The construction of all aspects of the Project is subject to the final Project design and potential environmental constraints.

2.2.2 The method of foundation support and anchoring of the solar panels has not been confirmed however it is likely that this will be through use of galvanised steel piles or screws driven into the ground by an impact piling or screwing rig, to a depth of approximately 1.0 to 2.5 m below ground level (bgl).

2.2.3 Cable routes are to be installed at depths ranging from 1.5 m to 30 m bgl with Horizontal Directional Drilling (HDD)to be utilised where it is not feasible to use the ‘open cut’ method to cross obstacles such as hedges, rivers, railway lines, public rights of way, roads and sensitive archaeological or ecological areas.

2.2.4 There are likely to be four main temporary construction compounds in the development areas, one in the Northern Site Area, two in the Central area and one in the Southern Site Area. All compounds have been carefully sited in order to minimise potential adverse environmental impacts. Topsoil and subsoil will be stripped from such areas and stored on site for replacement following the completion of construction works. Each compound will have fencing and suitable hard standing, offices, welfare facilities and generators to supply electricity.

2.3 Site History

Historical Map Review

2.3.1 The following review is based on past editions of readily available Ordnance Survey (OS) maps. These include scales of 1:1,250, 1:2,500, 1:10,560 and 1:10,000 dated 1876 to 2022. Extracts from historical maps are included in Annex C.

Table 2.2: Historical Site Uses

On-site Land Use and Features	Dates
New Barn Farm at the north-western corner of Land Parcel 13. Observed with an extension to the north in 1974.	1880 to Present
Drain/watercourse trending north to south along the eastern site boundary	1880 to Present

2.3.2 Pertinent off-site historical site uses within 250 m are presented below.

Table 2.3: Historical Neighbouring Site Uses

Surrounding Land Uses (250 m radius)	Orientation	Distance	Dates	
			From	To
River Evenlode	East	Adjacent	1876	Present
Lower Road	West	Adjacent	1876	Present
Eynsham Paper Mill later a leather mill with a large building noted approximately 70 m east. Recorded as 'Disused' from 1911. The large building had been demolished by 1974. Referred to as Eynsham Mill however seemingly now smaller residential development.	East	20 m	1876	Present
Sewage works	South-east	50 m	1994	unknown
Quarry, backfilled by 1955.	North	75 m	1880	1955
Old Kiln	North	120 m	1880	1899
Disused Pit. Noted as wooded area from 2010 and archaeological feature indicating possibly not backfilled.	East	250 m	1954	Present

2.3.3 An online review of available information for Eynsham Mill confirmed the residential development of the Grade II Listed Building with associated amenities, is currently listed for sale. Furthermore, the development was noted to comprise of only the mill house as late as 1983, as noted in the book FOREMAN, 1983, pg. 107.

2.3.4 A review of the data available on [redacted] and Groundsure Datasheet revealed an area of historical landfilling approximately 216 m west. This landfill had been associated with the New Wintles Farm with no record of last input.

Site Planning History

2.3.5 No relevant or readily available planning records for Land Parcel 13, were available on the West Oxfordshire District Council planning website. No records of planning records were available within a 250 m radius of the site.

2.4 Environmental Setting

Geology

2.4.1 Based on British Geological Survey (BGS) mapping (1:50,000-scale) and the Environment Agency (EA) Groundwater Vulnerability mapping (1:100,000-scale), the stratigraphic sequence and aquifer classifications beneath the site are indicated to be as follows:

Table 2.4: Descriptions of Geological Strata

Strata	Description & approximate thickness	Aquifer Classification
Northmoor Sand and Gravel Member	This stratum comprising predominantly sands and gravel with small proportions of quartz/quartzite, up to 7 m in thickness present beneath the south-west of Land Parcel 13.	Secondary A Aquifer
Summertown-Radley Sand and Gravel Member	Primarily sand and gravel deposits with thickness likely to vary between 1 m to 6 m across the site. This stratum is recorded in the north of the land parcel.	Secondary A Aquifer
Alluvium	Alluvium generally comprises gravel, silt and clay with layers of peat. Likely to be approximately 1 m to 3 m in thickness beneath the site. The deposit is recorded along the east and south of the land parcel.	Secondary A Aquifer
Bedrock Deposits		
Kellaways Sand Member	This stratum comprises pale grey silicate sandstone and siltstone, calcareous cemented, with interbeds of sandy and silty mudstones, with likely thickness of 3-5 m beneath the south and east of the Site.	Secondary A Aquifer
Kellaways Clay Member	Grey silicate mudstone but more silty or sandy with locally thin beds of siltstone and sandstone with nodules of limestone. Thickness beneath the site likely to be between 2-5 m.	Unproductive Stratum
Cornbrash Formation	Fine to medium grained limestone of predominantly bioclastic wackestone and packstone with sporadic peloids. Thickness likely to be up to 5 m across the north of the land parcel.	Secondary A Aquifer

2.4.2 Made Ground is unlikely to be present due to limited record of construction and/or demolition activities. No site investigation reports have been reviewed to verify this.

2.4.3 A review of the BGS Solid and Drift Geology Map for the Eynsham area (Witney Sheet No. 236, 1982) and Groundsure Datasheet revealed no mapped areas of Made Ground or Reworked Ground onsite.

BGS Borehole Records

2.4.4 One borehole record is present within Land Parcel 13, with numerous other boreholes present within a 250 m radius. This dates from 1971 and comprised a shell and auger borehole sunk to 2.30 m depth for purpose of mineral reserve assessment. Details of the on-site borehole (Ref SP41SW/30) are listed below. The location of this and surrounding boreholes are shown in the Groundsure report contained in Annex C.

2.4.5 The borehole identified topsoil over brown silty clay with fragments of quartz and limestone to a depth of 0.8 m, underlain by Second Terrace Deposits of 'very clayey gravel' and fine to coarse sand to 1.9 m below ground level (m BGL) before encountering fossiliferous limestone identified as Cornbrash to the termination depth of the borehole.

Hydrogeology

2.4.6 The site is located above a Secondary A Aquifer relating to the superficial deposits of the Northmoor Sand and Gravel Member, Summertown-Radley Sand and Gravel Member and Alluvium Deposits and bedrock strata of the Kellaway Sand Member and Cornbrash Formation. These formations are formed of permeable layers capable of supporting water supplies at a local scale, in some cases forming an important source of base flow to rivers.

2.4.7 The Kellaway Clay Member, underlying the Kellaway Sand Member, is classified by the EA as an Unproductive Stratum. These formations have a low permeability and have negligible significance for water supply or base flow.

2.4.8 According to EA data, Land Parcel 13 is not located in a groundwater Source Protection Zone (SPZ).

2.4.9 According to the BGS and EA data, Land Parcel 13 is noted to be an area of High Vulnerability groundwater due to the underlying Secondary A Aquifers. These areas are easily able to transmit pollution to groundwater. Likely characterised by high leaching soils and the absence of low permeability superficial and bedrock deposits.

2.4.10 Under the Water Framework Directive, the EA's local River Basin Management Plan classifies groundwater chemical quality beneath the site as 'Poor' Overall and Chemically 'Poor' and Quantitatively 'Good'. (2019).

2.4.11 Information provided by the EA indicates that there is one recorded active licensed groundwater abstraction within 2 km. This is detailed in the table below:

Table 2.5: Licensed Groundwater Abstractions

Licence Holder	Approx. Distance and Direction from Site	Source	Use
Hanson Quarry Products Europe Ltd	c. 1780 m east	Thames Groundwater	Transfer Between Sources (Post Water Act 2003)

Surface Water

2.4.12 There is one watercourse within 1 km of the site classified within a River Basin Management Plan published by the EA under the European Water Framework Directive (2000). The details of this are as follows:

Table 2.6: Nearby Watercourses and Water Bodies

Watercourse / Body	Quality Classification	Approx. Distance and Direction from Site
River Evenlode (Glyme to Thames)	Overall – Poor (2019) Chemical – Fail (2019) Ecological – Poor (2019)	94 m east

2.4.13 Information provided by the EA indicates that there are no records of active licensed surface water abstractions within 2 km of Land Parcel 13.

Ecologically Sensitive Sites

2.4.14 Natural England data indicates that there are no ecologically sensitive sites, that constitute environmental receptors as defined within Table 1 of the DEFRA Environmental Protection Act 1990: Part 2A - Contaminated Land Statutory Guidance (2012), located within a 500 m radius of Land Parcel 13.

Radon

2.4.15 According to the Indicative Atlas of Radon in England and Wales published by the Health Protection Agency (part of Public Health England) and the British Geological Survey, the south of Site is not located in an area at risk from radon gas, however, the north of the site is located within a radon affected area. The maximum radon potential is 5-10 % in the north. Radon can be a risk to human health from inhalation of radioactive elements. The risk posed outside of buildings is negligible, however due to pressure differences accumulation of radon gas can accumulate within buildings creating a greater level of risk to occupants through prolonged exposure.

2.4.16 Due to the nature of the development it is unlikely that there will be any regularly occupied buildings forming part of the development proposals therefore there is no significant risk posed by radon emissions to the solar farm development of Land Parcel 13.

Coal Authority

2.4.17 The Interactive Map Viewer on the Coal Authority website indicates that Land Parcel 13 is not located in a coal mining reporting area.

Non-Coal Mining

2.4.18 The Groundsure report identified no records of Non-Coal Mining within a 500 m radius.

2.4.19 The BGS Britpit database identified the following surface extraction locations within 500 m radius.

Table 2.7: Non Coal Mining Activities as recorded from Brit pits

Name	Approximate Distance from Site	Commodity	Status	Description
City Farm Gravel Pit	c. 250 m	Sand and Gravel	Ceased	A surface mineral working
The Elms Gravel Pit	c. 350 m	Sand and Gravel	Ceased	A surface mineral working
City Farm Gravel Pit	c. 350 m	Sand and Gravel	Ceased	A surface mineral working
Purwell Farm Gravel Pit	c. 400 m	Sand and Gravel	Ceased	A surface mineral working
City Farm Gravel Pit	c. 400 m	Sand and Gravel	Ceased	A surface mineral working
Acrey Quarry	c. 450 m	Sand and Gravel	Ceased	A surface mineral working

Mineral Safeguarding Areas

2.4.20 Reference to the Oxfordshire County Council, Minerals and Waste Local Plan (2017) and the Oxfordshire Minerals and Waste Local Plan Policies Map (2017) indicates that the south of Land Parcel 13 falls within designated Minerals Safeguarding and Minerals Consultation Areas for sharp sand and gravel reserves. In accordance with the plan requirements for non-mineral related development that affect a safeguarded site, further assessment would be required to demonstrate economic viability and sustainability considerations of the mineral resource and that pre-extraction is not required.

BGS Ground Stability Hazard Ratings

2.4.21 British Geological Survey Ground Stability Hazard ratings for the site are summarised as follows:

Table 2.8: BGS Ground Stability Hazard Ratings

Ground Stability Hazard	BGS Risk rating
Collapsible ground	Negligible to Very Low
Compressible ground	Negligible to Moderate (Moderate along the east of Site -Alluvium)
Ground dissolution	Negligible to Low (Low in the north of Site - Cornbrash)
Landslide	Very Low
-	Negligible to Low (Low along the east of Site - Alluvium)

Ground Stability Hazard	BGS Risk rating
Shrinking or swelling clay	Negligible to Moderate (Predominantly Moderate in the south – Kellaways Clay Member)

2.5 Authorised Processes and Pollution Incidents

Landfills and Waste Sites

2.5.1 Information from the Groundsure report shows the following recorded licensed or known historical landfill sites within 250 m of the land parcel.

Table 2.9: Landfill Sites within 250 m

Site Name	Approx. Distance and Direction	Licence Holder Address	Waste Type and Details
New Wintles Farm, Lower Road, Eynsham, Witney, Oxfordshire	216 m west	Mc Kenna Environmental Limited	Industrial
New Wintles Farm, Lower Road, Eynsham, Witney, Oxfordshire	245 m west	Mc Kenna Environmental Limited (surrendered)	Landfill taking other wastes
New Wintles Farm, Lower Road, Eynsham, Witney, Oxfordshire	248 m west	Mc Kenna Plant Hire (Oxford) Ltd	Landfill taking other wastes

Environmental Permits

2.5.2 EA and Local Authority data indicates that there are no processes regulated by an Environmental Permit (under the Environmental Permitting Regulations, 2010) on or within 250 m of Land Parcel 13.

COMAH Sites

2.5.3 There are no records of any operations under the Control of Major Accident Hazards (COMAH) Regulations 1999, located within 500 m radius.

Pollution Incidents

2.5.4 Environment Agency data indicates that there are no records of ‘major’ or ‘significant’ pollution incidents within 500 m of the land parcel.

2.6 Unexploded Ordnance

2.6.1 CIRIA Report C681 (Stone et al (2009)) outlines recommendations for dealing with the potential risk associated with the legacy of Unexploded Ordnance Risk, largely relating to WWII bombing and military sites.

2.6.2 Reference to the Zetica Unexploded Bomb Risk mapping indicates that the site is in an area of low potential risk from Unexploded Bombs. As the site is

not within an area of known military history, in general accordance with CIRIA Report no further consideration of Unexploded Ordnance is considered necessary.

3 Outline Conceptual Site Model

3.1 Background

3.1.1 An outline conceptual site model (CSM) consists of an appraisal of the *source-pathway-receptor* 'contaminant linkages' which is central to the approach used to determine the existence of 'contaminated land' according to the definition set out under Part 2A of the Environmental Protection Act 1990. For a risk to exist (under Part 2A), all three of the following components must be present to facilitate a potential 'pollutant linkage'.

- **Source** referring to the source of contamination (Hazard).
- **Pathway** for the contaminant to move/migrate to receptor(s).
- **Receptor** (Target) that could be affected by the contaminant(s).

3.1.1 Receptors include human beings, controlled waters and buildings / structures. The National Planning Policy Framework, used to address contaminated land through the planning process, follows the same principles as those set out under Part 2A.

3.1.2 As part of the assessment the potential risks to receptors for potential source is given one of the following classification:

- **Low Risk** - it is considered unlikely that issues within the category will give rise to significant harm to identified receptors.
- **Moderate Risk** - it is possible, but not certain that issues within the category will give rise to significant harm to receptors
- **High Risk** - there is a high potential that issues within the category will give rise to significant harm to identified receptors.

3.2 Potential Pollutant Linkages

3.2.1 Each stage of the potential pollutant linkage sequence has been assessed individually on the basis of information obtained during the site reconnaissance and desk study exercise and are discussed in the following section.

Potential Contamination Sources

On Site – Current

3.2.2 Current on site potential sources of contaminants of concern include:

- Pesticides and herbicides associated with arable farming land use, albeit the use of these is unconfirmed.

3.2.3 Alluvium deposits may be a source of ground-gas generation due to their organic rich nature.

3.2.4 No further current on site potentially contaminative land issues have been identified.

On Site – Historical

3.2.5 No historical on site potentially contaminative land uses have been identified.

Off Site – Current

3.2.6 No current off-site potentially contaminative land uses within 250 m have been identified.

Off Site – Historical

3.2.7 Historical maps indicate the following features within 250 m:

- Former Eynsham Paper/Leather Mill present close to the south-east and operational from at least 1876.
- Sewage works some 50 m south-east. River Evenlode likely to act as a buffer to any shallow groundwater/gas migration from this source.
- Landfill sites at New Wintles Farm to the west (industrial waste).
- Infilled Quarry to the north (possible source of ground gases).
- An Old Kiln was observed 120 m north of site from 1880 to 1899. Given the approximate dates the feature was observed, the age of the feature (>100 years) it is not considered a potential significant contaminant source. Additionally, the size of the feature does not suggest evidence of a former large-scale industrial activity.

Potential Pathways

3.2.8 Given the absence of recorded sources of on-site Made Ground, there is not considered to be a risk to human health posed by typical exposure pathways of dermal contact, ingestion and outdoor inhalation in soft landscaping areas. The absence of any occupied buildings as part of the development would also negate the pathway of indoor inhalation of vapours/gases through accumulation within structures.

3.2.9 There is the potential for gaseous or liquid/leachable contaminants of concern (if present) from historical or current off-site sources to migrate on site via granular horizons in the weathered bedrock, fractures in intact limestone or through shallow groundwater. Limited migration would be expected through the mudstone layers.

3.2.10 It should be noted that pathways may be modified or exacerbated by disturbance of the site.

Potential Receptors

Controlled Waters

3.2.11 The Secondary A Aquifers comprising superficial deposits and bedrock beneath the site represent a sensitive receptor, however the absence of identified abstractions and source protection zones within 500 m would indicate low sensitivity.

3.2.12 The nearest surface water feature is the River Evenlode, which is located close to the east of Land Parcel 13. Given the absence of identified on site potential contamination sources, surface water has been discounted as being a significant receptor based upon the site setting and Desk Study findings.

Human Health

3.2.13 Following construction of the Project it is not envisaged that there will be any full-time occupants of the site however it is expected that there will be periodic requirements for maintenance work/checks. The risks posed to maintenance workers are considered to be limited to any works in the vicinity of the identified potential contamination sources where there may be short-term direct contact, inhalation or ingestion of contaminated soil or vapours.

3.2.14 The absence of any identified on site contamination sources, low dust generation potential of the preferred method of installing driven anchors/supports for the banks of PV panels and low density residential development in the area around Land Parcel 13 would indicate no significant risks to off-site human health receptors.

3.2.15 The assessment does not consider the risk to construction/demolition workers during redevelopment. These risks will be managed through appropriate H&S legislation including the Health & Safety At Work Act and CDM Regulations.

Structures

3.2.16 Another potential receptor are the foundations, cables and steel structures likely to be placed within the shallow soils (and possibly through Made Ground). There is a risk to chemical attack from sulphates present within any Made Ground present or corrosion / degradation of steel anchors, cables from a high water table or acidic ground conditions.

Sensitive Land Use

3.2.17 The construction/operational phases of the proposed solar farm development are considered unlikely to adversely impact on these off-site receptors.

3.3 Outline Conceptual Site Model

3.3.1 An outline CSM has been developed on the basis of the desk study findings. The CSM is used to identify potential sources, pathways and receptors (i.e. potential pollutant linkages) on site post development and is summarised in the table below.

Table 3.1: Outline Conceptual Site Model

Potential Source	Contaminants of Concern	Via	Potential Pathways	Linkage Potentially Active?	Receptors	Qualitative Risk Rating	Notes
On site – historical/ current: Agricultural land use/natural strata	Metals, hydrocarbons, pesticides, herbicide, sulphates, pH	Soil	Direct contact/ ingestion	×	Future site users	N/A	No areas of building or hardstanding. Low residual risk in areas of soft landscaping previously noted as undeveloped. Mitigated by use of PPE by construction workers and minimal exposure period.
			Inhalation of volatiles	×		N/A	
			Leaching of mobile contaminants	×	Secondary A Aquifers	N/A	No confirmed evidence of sources of soil contamination.
		Chemical attack	Direct contact	✓	Steel foundations, concrete slabs	Low	Made Ground unlikely to be present and anticipated shallow strata unlikely to contain elevated sulphate levels.
		Groundwater	Direct contact/ ingestion	×	Future site users	N/A	No anticipated post construction regular occupation or occupied buildings. Shallow groundwater likely to be in continuity with River Evenlode to the east and this is anticipated groundwater flow direction.
			Inhalation of volatiles	×	Future site users	N/A	
			Vertical and lateral migration in permeable strata	✓ ✓	Secondary A Aquifers Surface watercourse	Low	Vertical/Lateral migration likely to be constrained by variable permeability of shallow soils. No confirmed on site sources identified.

Potential Source	Contaminants of Concern	Via	Potential Pathways	Linkage Potentially Active?	Receptors	Qualitative Risk Rating	Notes
On and off-site – Landfill sites / natural Alluvium deposits	Carbon dioxide and methane	Ground Gas	Inhalation of ground gas	×	Future site users	N/A	No anticipated regular occupation of buildings post construction.

× -The Qualitative Risk Rating does not consider the potential for the pathway to be active. In the event that a Moderate or High Qualitative Risk Rating is identified further assessment is recommended

3.3.2 Based on the identified potential sources and the site setting there is **not** considered to be a significant risk to ecological receptors, crops/vegetation or archaeological receptors.

4 Conclusions and Recommendations

4.1 Preliminary Geoenvironmental Conclusions

4.1.1 Land Parcel 13 comprises predominantly open farmland, with a drain/watercourse observed trending north to south along the eastern boundary of site.

4.1.2 Historical mapping noted minimal changes to the site and the immediate surrounding area since the earliest Ordnance Survey mapping reviewed.

4.1.3 The PRA undertaken has not identified any potentially significant potential source-pathway-receptor linkages relating to the proposed temporary solar farm development of Land Parcel 13.

4.1.4 The presence of unknown soil contamination being discovered during construction works cannot be discounted entirely and it is recommended that if encountered works should stop and specialist advice obtained on how to proceed.

4.2 Preliminary Geotechnical Conclusions

4.2.1 The ground conditions indicate Land Parcel 13 is mostly underlain by superficial deposits of variable composition overlying mudstone and limestone dominated bedrock strata. It is likely that due to the agricultural use of the land that an increase thickness of topsoil and subsoil may be present.

4.2.2 The anticipated predominantly granular shallow soils and potential for shallow intact limestone bedrock may impede the ability to install driven/augered foundations or anchors for photovoltaic panels. Pile refusal, or failure to reach the target embedment depth, can result in insufficient capacity against lateral and uplift loads, and require remediation or alternate installation procedures therefore ground investigation is recommended to determine suitability of shallow ground conditions for driven foundation types. Alternative ground based anchor systems may have to be considered if deemed unsuitable for achieving the required lateral loading parameters.

4.2.3 There is no evidence of ground instability hazards that could impact on the proposed development. The setting on limestone bedrock presents a possible instability risk presented by dissolution of the soluble limestone and the formation of natural cavities, however BGS records indicate the risk rating for dissolution of soluble rocks to be negligible to low for the Application Site which means that few dissolution features are likely to be present and the potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

4.2.4 The area of Alluvium present may represent a potential moderate risk for ground instability from running sands or compressible deposits and the clay material present in the south a moderate risk of clay shrinkage/heave effects

from high plasticity clays. These potential constraints should be considered in the final design for installation of panels and infrastructure.

5 References

BGS. British Geological Survey Onshore GeoIndex. [online] Available at: http://www.bgs.ac.uk/geoindex/ [Accessed 13th June 2023].

Building Research Establishment (2008): Guidance for the Safe Development of Housing on Land Affected by Contamination. R&D Publication 66.

British Standards Institution (2019): Soil quality — Conceptual site models for potentially contaminated sites. BS EN ISO 21365:2019.

Environment Agency (2023): Land Contamination: Risk Management (LCRM 2023).

Groundsure (2022): Insights reports ref GSIP-2022-12757-10510_1 and GSIP-2022-12757-10509

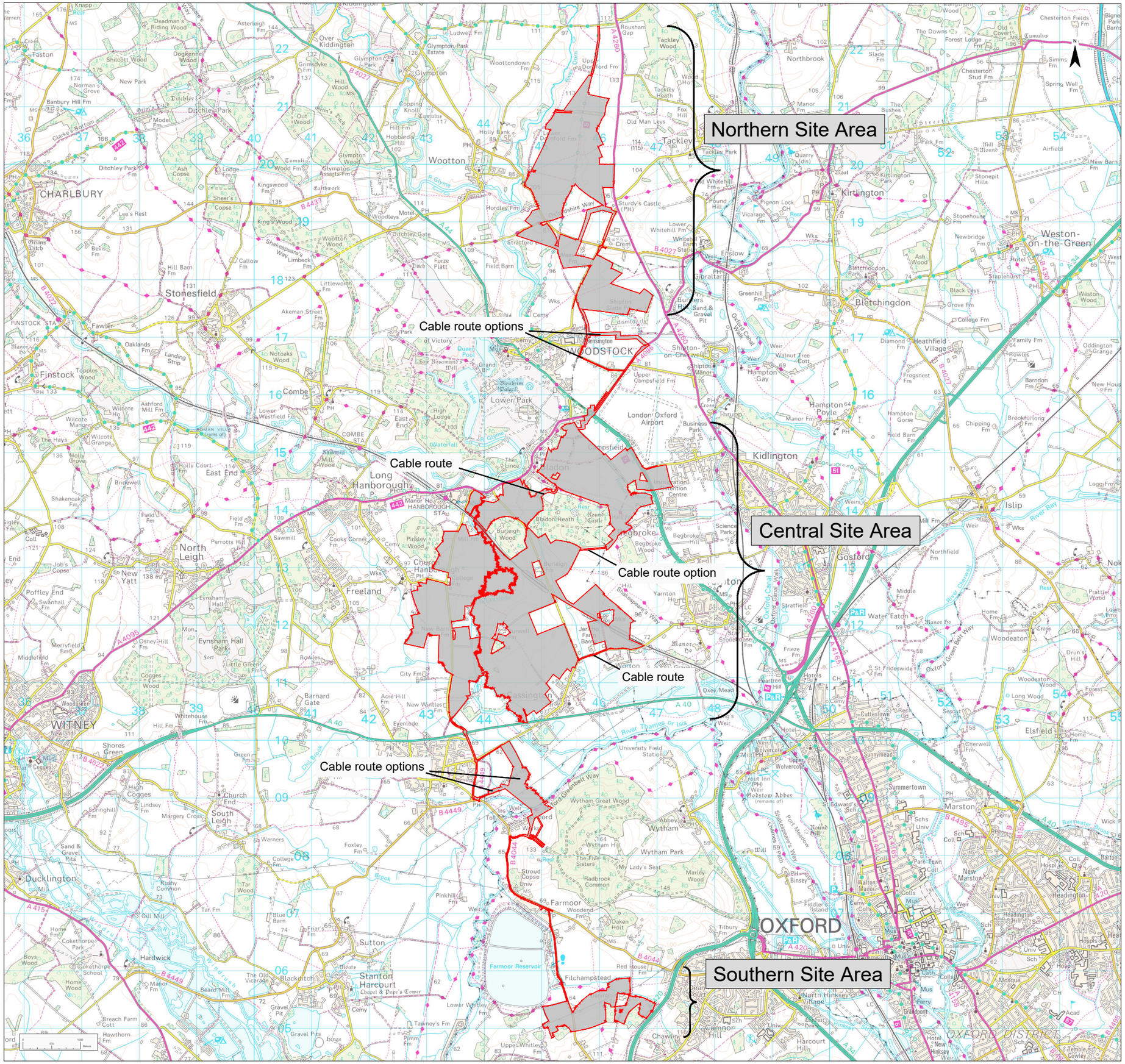
FOREMAN, Wilfred, Oxfordshire Mills, Phillimore & Co. Ltd, 1983

https://magic.defra.gov.uk/

[redacted]

RPS (2023): Botley West Solar Farm, EIA Scoping Report, Ground Conditions Ref 230403_R_JER9429_BOTLEY WEST SOLAR FARM_Scoping Report v1 r2

Drawings
Drawing 1: Site Location Plan



Legend

Site Location and Order Limits

Project				Status		
Botley West Solar Farm						
Id.	Changes	Date	Name		Date	Name
				Edit	25.04.2024	V. Guskova
				Check	25.04.2024	H. Trabelsi
				Approval		
				Project-No		
				Drawing No		
A	Created	25.04.2024	VG	prj-01-0390		

CAD-data name: 240425 Botley West Masterplan Overview.dwg

Scale: 1:65000 at A3 DIM: m

Plan

Site Location and Order Limits Overview
Figure 1.1

Photovolt Development Partners GmbH
Kurfürstendamm 52
10707 Berlin, Germany

Annex A
PRA Methodology

PRA METHODOLOGY

INTRODUCTION

This report provides available factual data for the site obtained only from the sources described below and related to the site on the basis of the location provided by the client. The desk study information is not necessarily exhaustive and further information relevant to the site may be available from other sources. No responsibility can be accepted by RPS for inaccuracies in the data supplied by any other party.

This report is written in the context of an agreed scope of work and should not be used in a different context. Furthermore, new information and changes in legislation may necessitate a re-interpretation of the report in whole or in part after its original submission. The report is provided for sole use by the client and is confidential to them and their professional advisors. No reliance whatsoever is provided to any party other than the client unless otherwise agreed.

INFORMATION SOURCES

Current and Historical Land Use

This section establishes the former and current uses of the site, which could have caused contamination. Details of the site location, the current and proposed site uses have been provided by the client.

Information about the history of the site has been obtained through an inspection of historical maps at 1:10,000, 1:2,500 and 1:1,250 scales and historical aerial photographs (where available). The accuracy of maps cannot be guaranteed, and it should be recognised that different conditions on-site may have existed between, and subsequent to, the map survey dates.

Regulatory Records

Regulatory records including landfills, pollution incidents ('major' and 'significant' only), industry authorisations and licensed water abstractions are derived from information purchased from Groundsure Ltd (unless otherwise specified).

Environmental Setting

The geological sequence underlying the site and the approximate depths of strata are provided by maps published by the British Geological Survey (BGS) 1:50,000 scale and available borehole records held by the BGS.

The hydrogeological classification is obtained from Groundwater Vulnerability mapping by the BGS/EA/National Resources Wales (NRW). The vulnerability of groundwater is determined from this mapping and geological information.

The location of surface watercourses is obtained from an inspection of current OS maps. Flood risk details and information on groundwater Source Protection Zones are obtained from readily available EA/NRW information published on-line and supplied by Groundsure Ltd.

Details of sensitive ecosystems/habitats and coal mining areas are supplied by Natural England, Natural Resources Wales and Scottish Natural Heritage and the Coal Authority respectively via Groundsure Ltd and inspection of the MAGIC website.

Radon is a radioactive gas produced naturally by certain types of geology. This report uses the Indicative Atlas of Radon in England and Wales (2007) produced by the Health Protection Agency (HPA) and the British Geological Survey (BGS) to determine whether the site is located in an area at risk from radon gas. Where potential issues are identified, a site-specific radon report is obtained from the HPA and BGS to provide a more accurate estimate of the probability of the site being affected by radon gas ingress.

Annex B
Limitations of Assessment

General Notes

RPS Consulting Services Ltd

Phase 1 - Environmental Risk Assessment / Desk Study Environmental Review

1. A "desk study" means that no site visits have been carried out as any part thereof, unless otherwise specified.

1. This report provides available factual data for the site obtained only from the sources described in the text and related to the site on the basis of the location information provided by the Client.

2. The desk study information is not necessarily exhaustive and further information relevant to the site may be available from other sources.

3. The accuracy of maps cannot be guaranteed and it should be recognised that different conditions on site may have existed between and subsequent to the various map surveys.

4. No sampling or analysis has been undertaken in relation to this desk study.

5. Any borehole data from British Geological Survey sources is included on the basis that: "The British Geological Survey accept no responsibility for omissions or misinterpretation of the data from their Data Bank as this may be old or obtained from non-BGS sources and may not represent current interpretation".

6. Where any data supplied by the Client or from other sources, including that from previous site investigations, have been used it has been assumed that the information is correct. No responsibility can be accepted by RPS for inaccuracies in the data supplied by any other party.

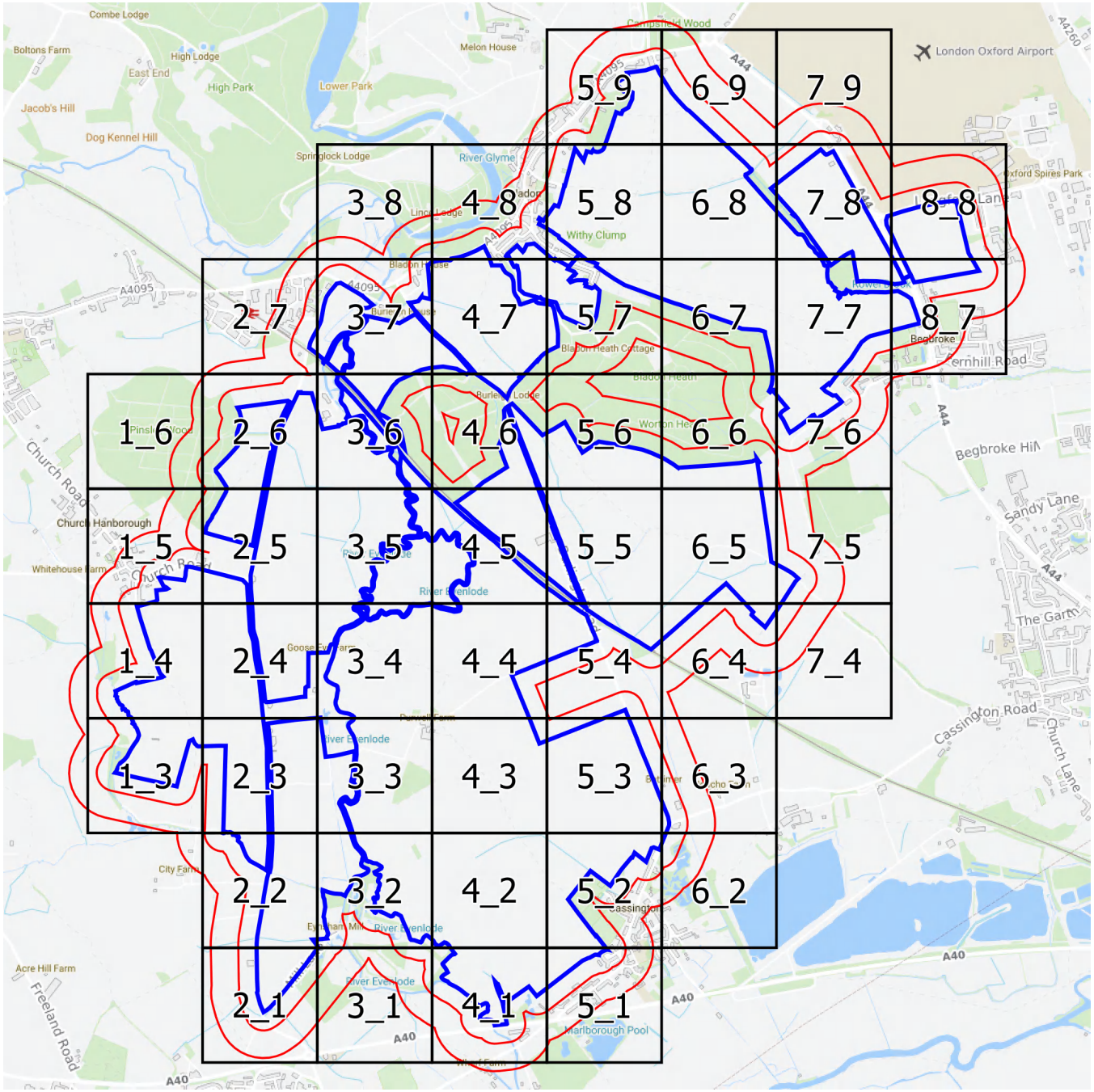
7. This report is prepared and written in the context of an agreed scope of work and should not be used in a different context. Furthermore, new information, improved practices and changes in legislation may necessitate a re-interpretation of the report in whole or in part after its original submission.

8. The copyright in the written materials shall remain the property of the RPS Company but with a royalty-free perpetual licence to the Client deemed to be granted on payment in full to the RPS Company by the Client of the outstanding amounts.

9. The report is provided for sole use by the Client and is confidential to them, their professional advisors, no responsibility whatsoever for the contents of the report will be accepted to any person other than the Client. [Unless otherwise agreed]

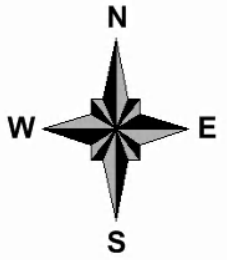
10. These terms apply in addition to the RPS "Standard Terms & Conditions" (or in addition to another written contract which may be in place instead thereof) unless specifically agreed in writing. (In the event of a conflict between these terms and the said Standard Terms & Conditions the said Standard Terms & Conditions shall prevail.) In the absence of such a written contract the Standard Terms & Conditions will apply.

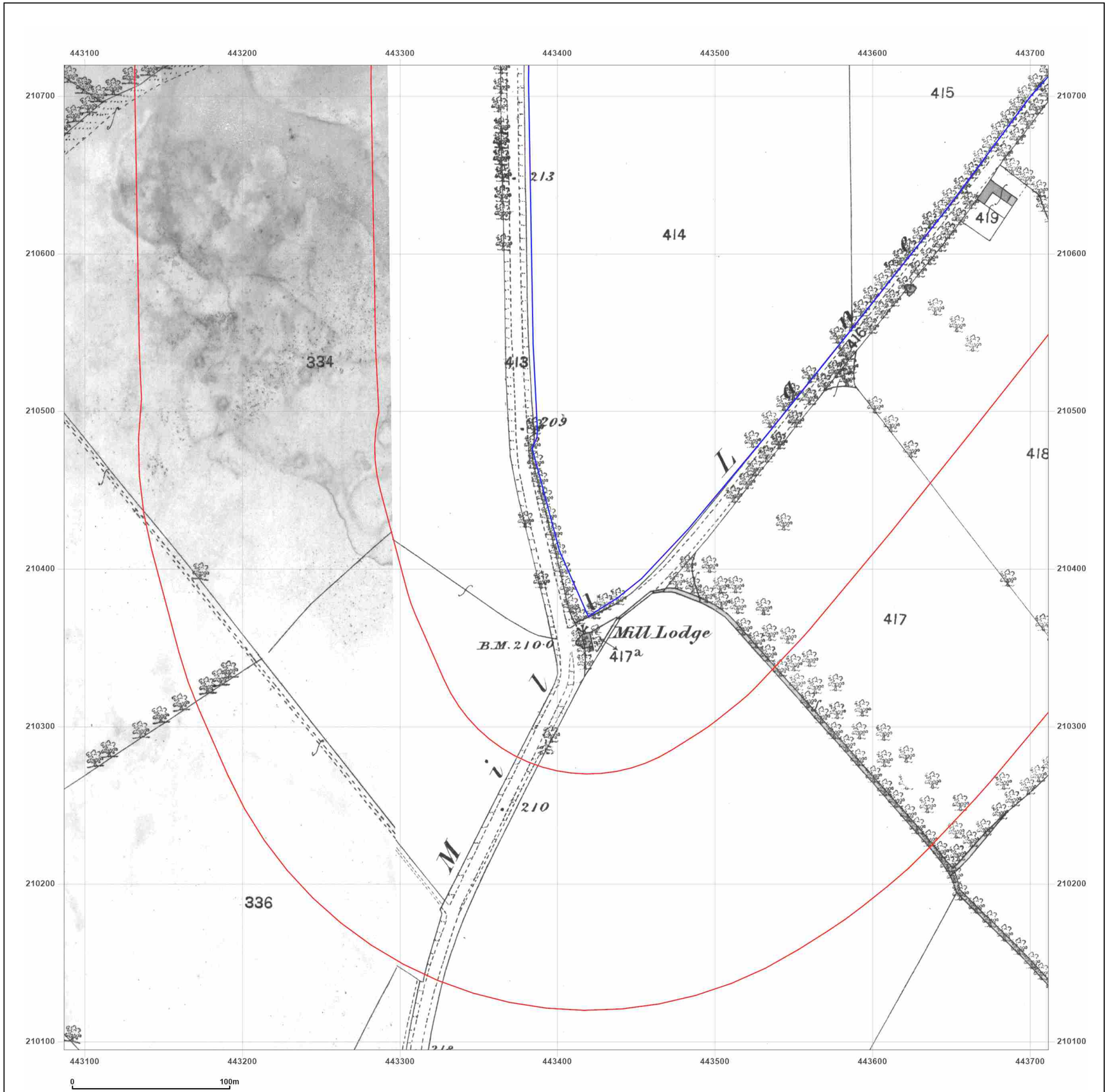
Annex C
Groundsure Insights Historical Map Reports



Groundsure INSIGHTS

1:2,500 Scale Grid Index





Groundsure INSIGHTS

Site Details:

Middle - BM Solar

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Report Ref: GSIP-2022-12757-10509_LS_2_1
Grid Ref: 443399, 210407

Map Name: County Series

Map date: **1876-1878**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1878
Revised 1878
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1876
Edition N/A
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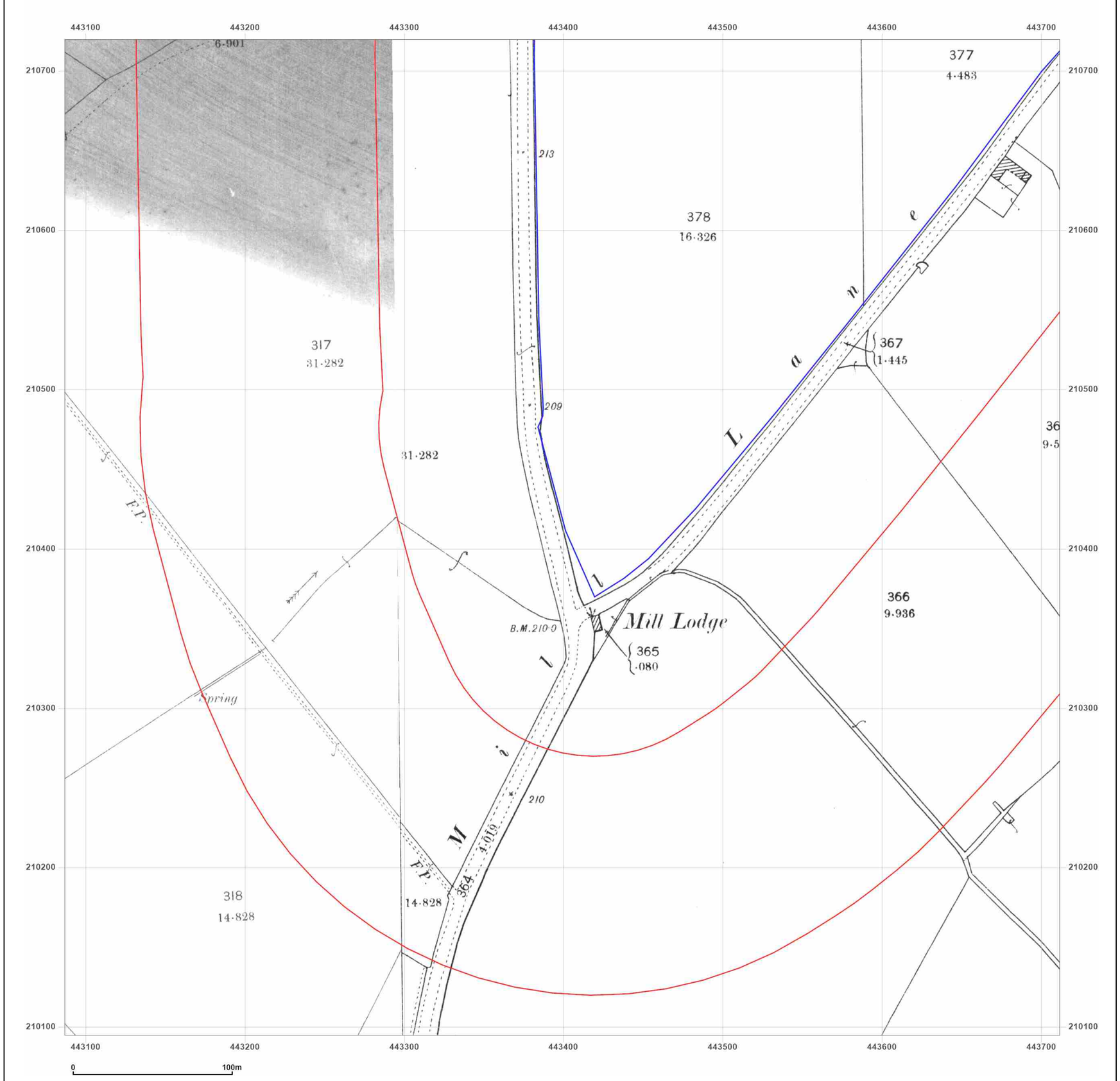
Production date: 25 May 2022

Map legend available at: [redacted]



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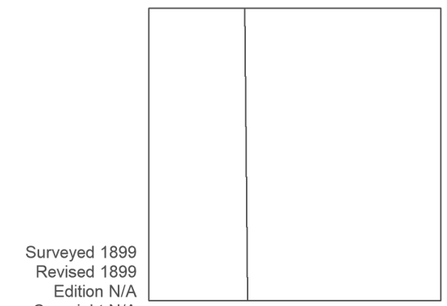

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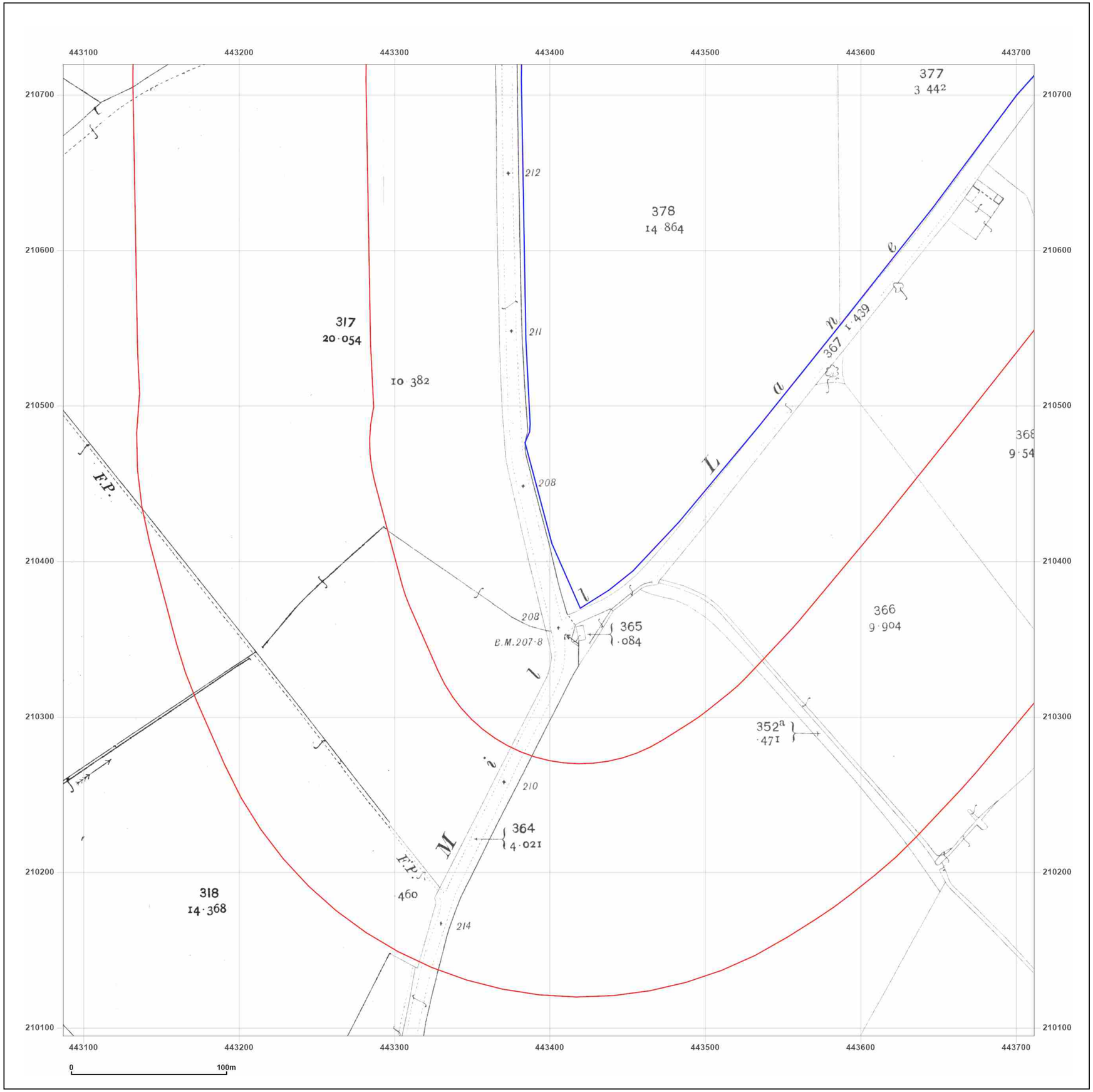

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Client Ref: Middle - BM Solar
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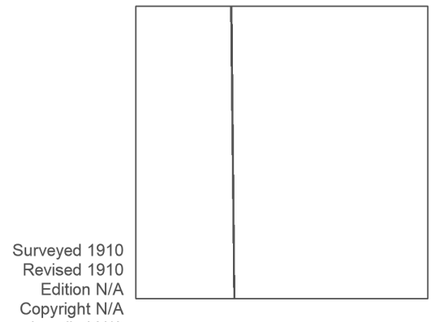

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Edition N/A
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Surveyed 1913
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Edition N/A
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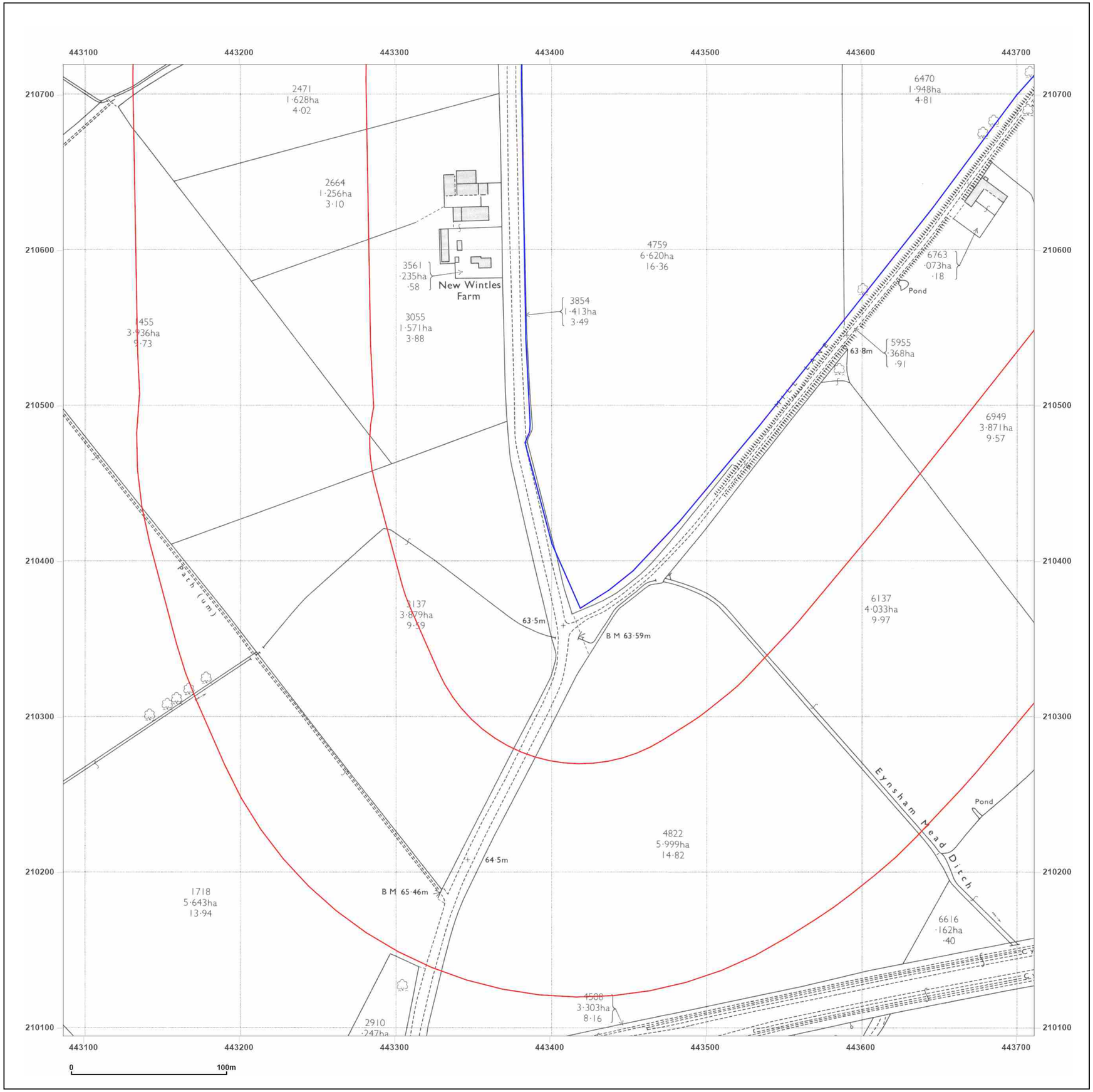

Groundsure INSIGHTS

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Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_1
Grid Ref: 443399, 210407

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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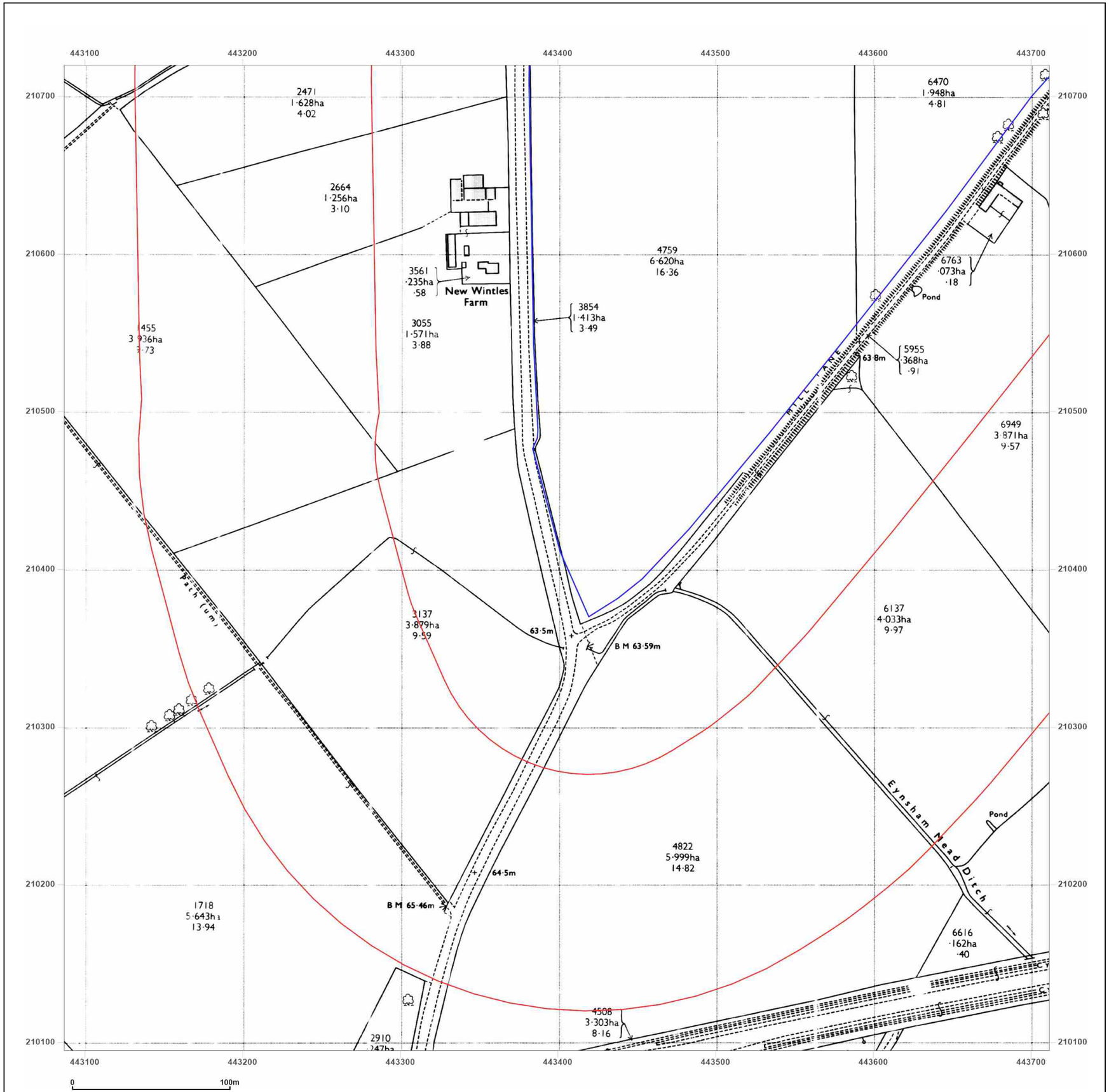

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Grid Ref: 443399, 210407

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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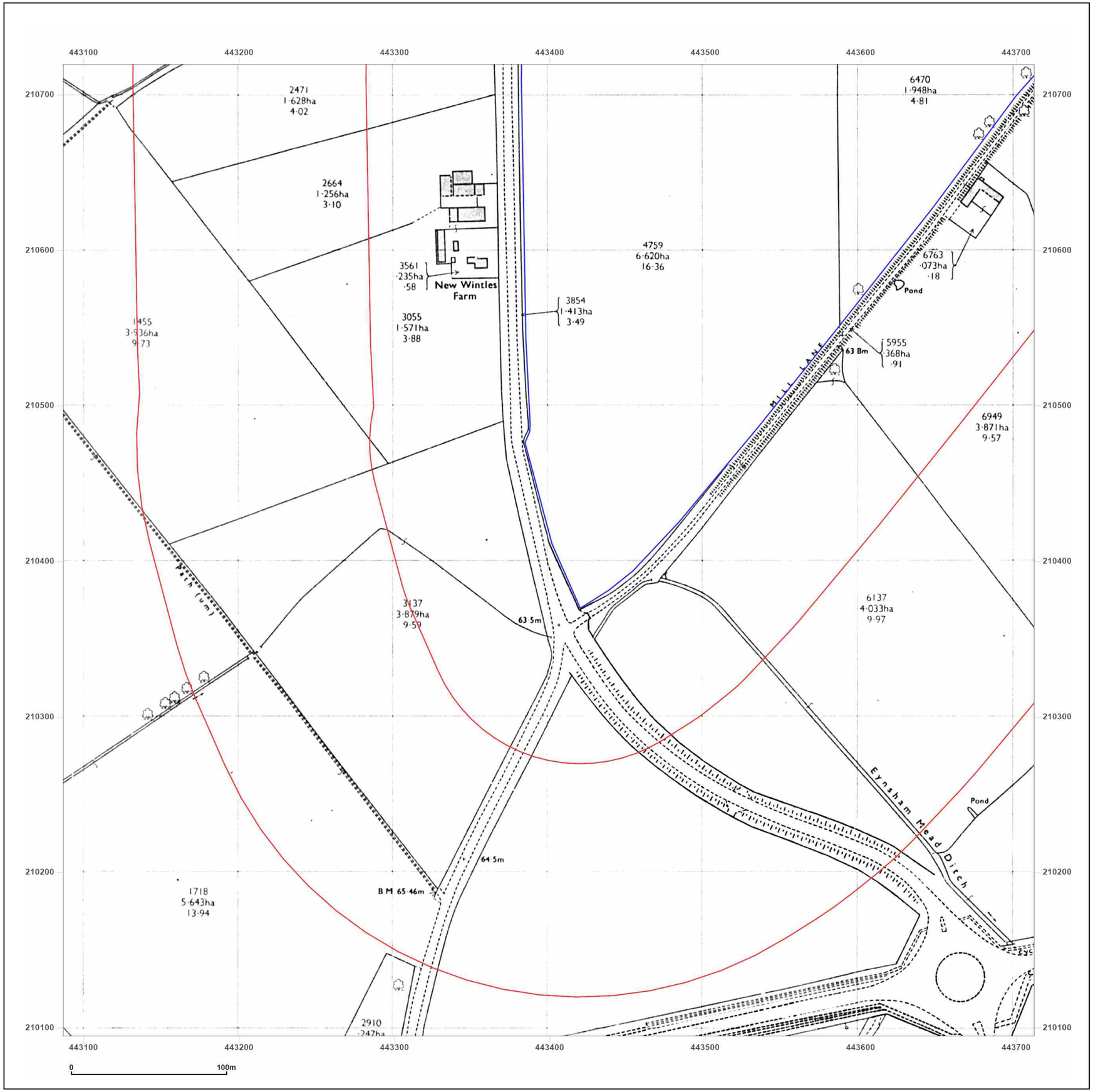

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Grid Ref: 443399, 210407

Map Name: National Grid

Map date: **1985**

Scale: 1:2,500

Printed at: 1:2,500

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Revised 1985
Edition N/A
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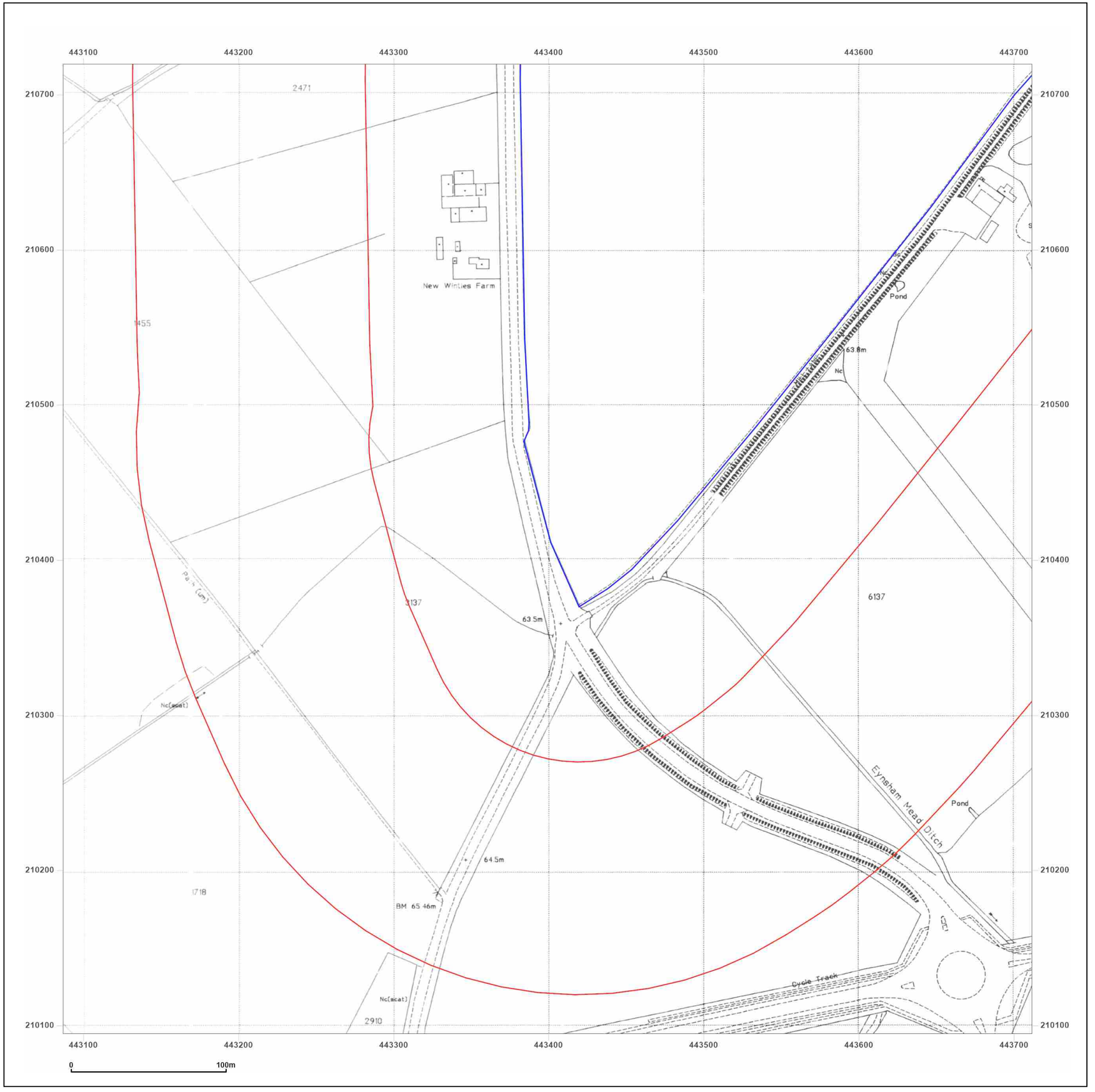

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Grid Ref: 443399, 210407

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

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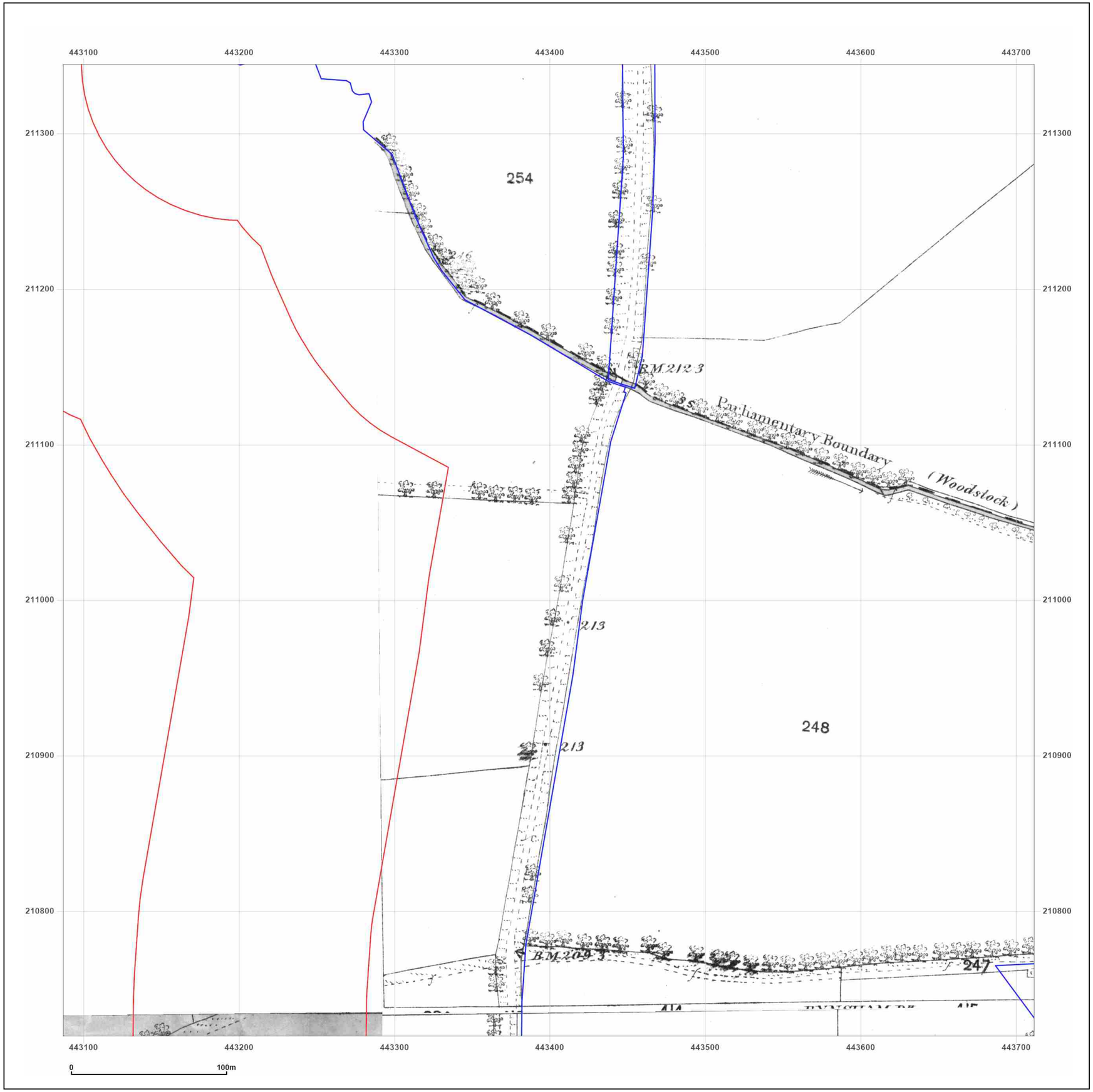

Groundsure INSIGHTS

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Grid Ref: 443399, 211032

Map Name: County Series

Map date: **1876-1880**

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Surveyed 1880
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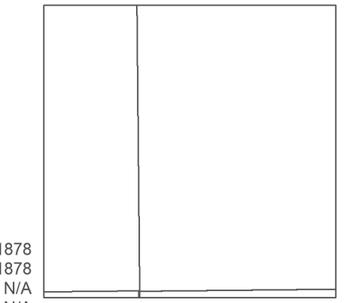

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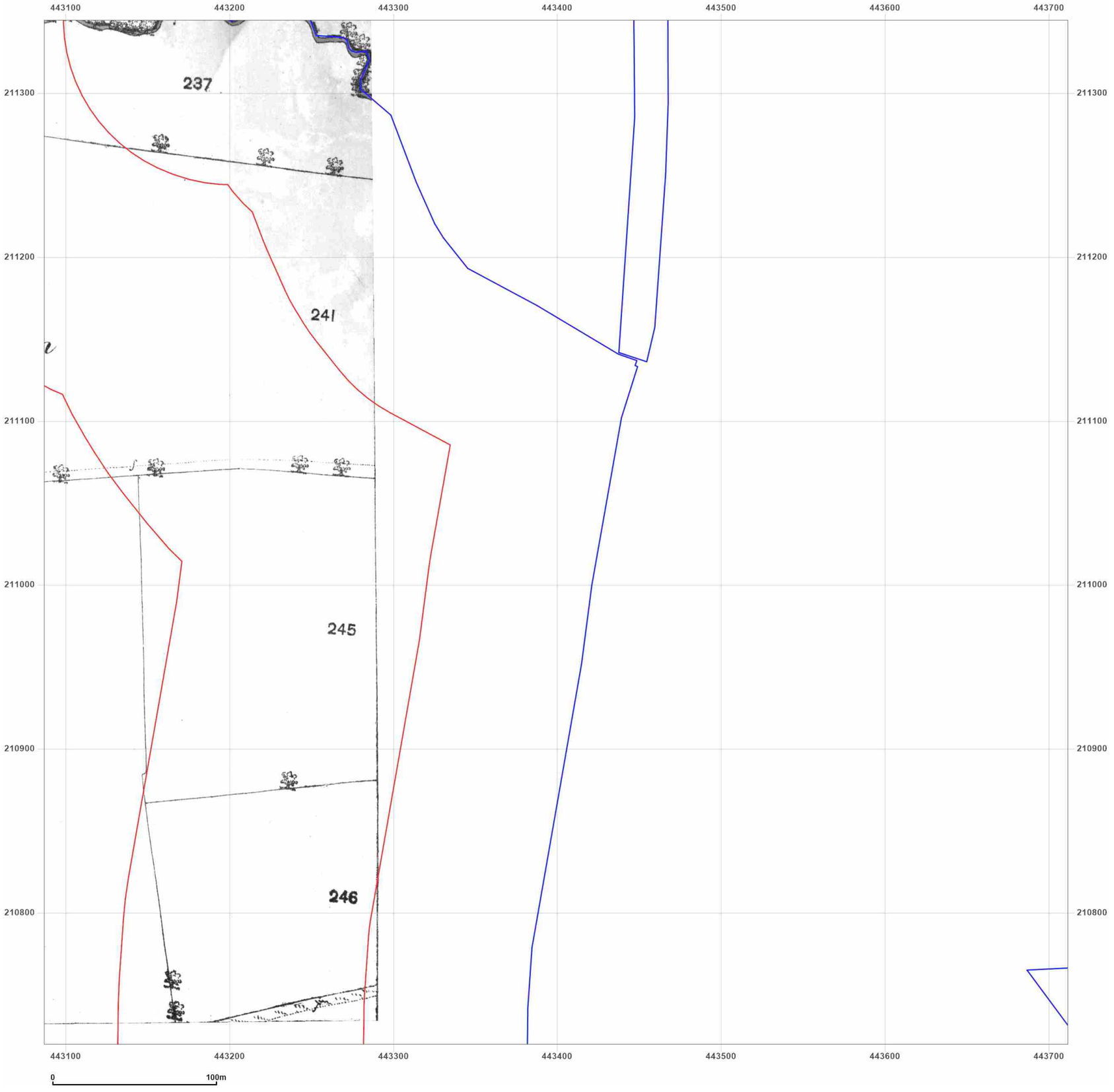

Groundsure INSIGHTS

Site Details:

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Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_2
Grid Ref: 443399, 211032

Map Name: County Series

Map date: **1882**

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Revised 1882
Edition N/A
Copyright N/A
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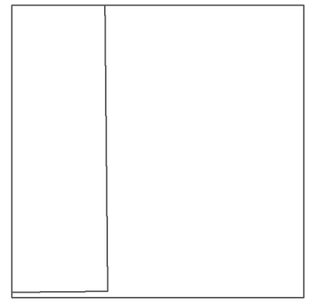

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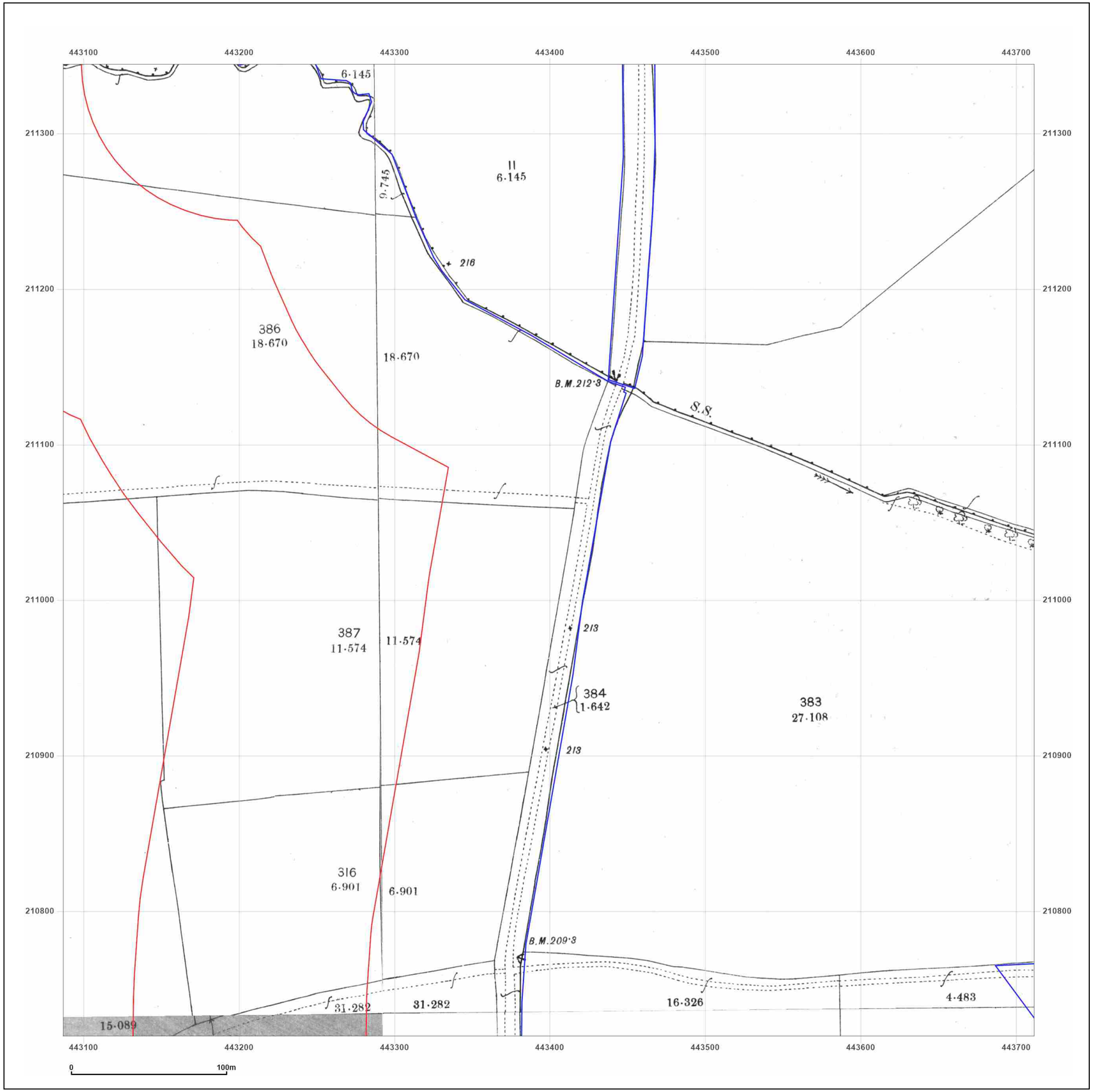

Groundsure INSIGHTS

Site Details:

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Report Ref: GSIP-2022-12757-10509_LS_2_2
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Map Name: County Series

Map date: **1899**

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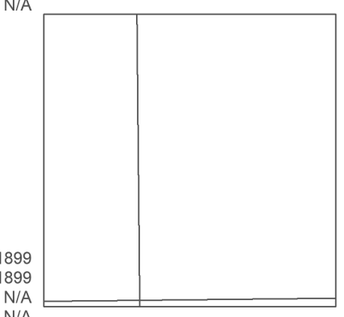

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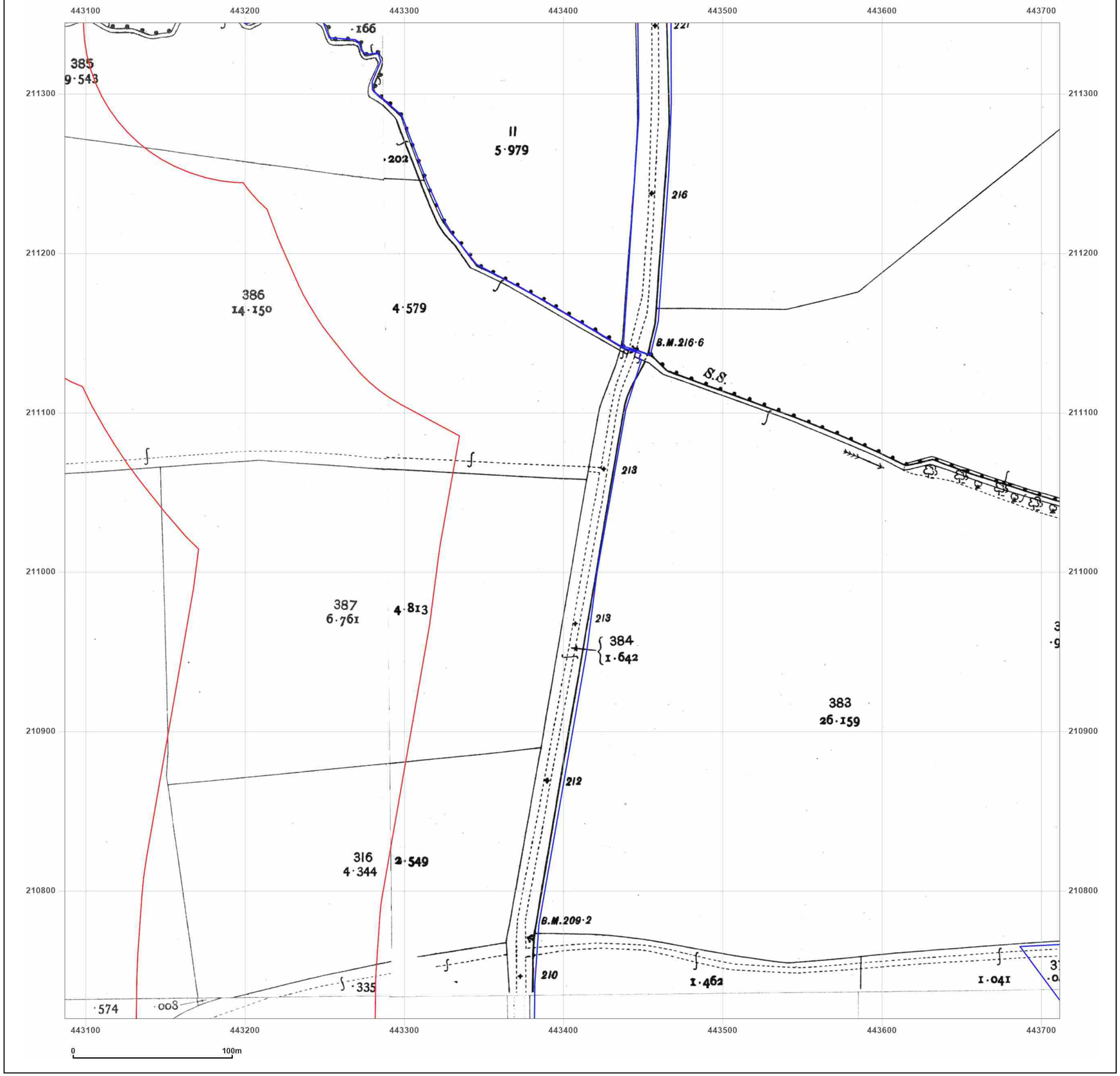

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

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Report Ref: GSIP-2022-12757-10509_LS_2_2
Grid Ref: 443399, 211032

Map Name: County Series

Map date: **1910-1913**

Scale: 1:2,500

Printed at: 1:2,500

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Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
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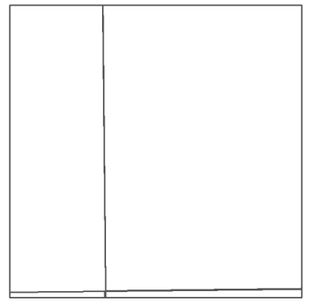

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Revised 1910
Edition N/A
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Levelled N/A

Surveyed 1913
Revised 1913
Edition N/A
Copyright N/A
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Production date: 25 May 2022

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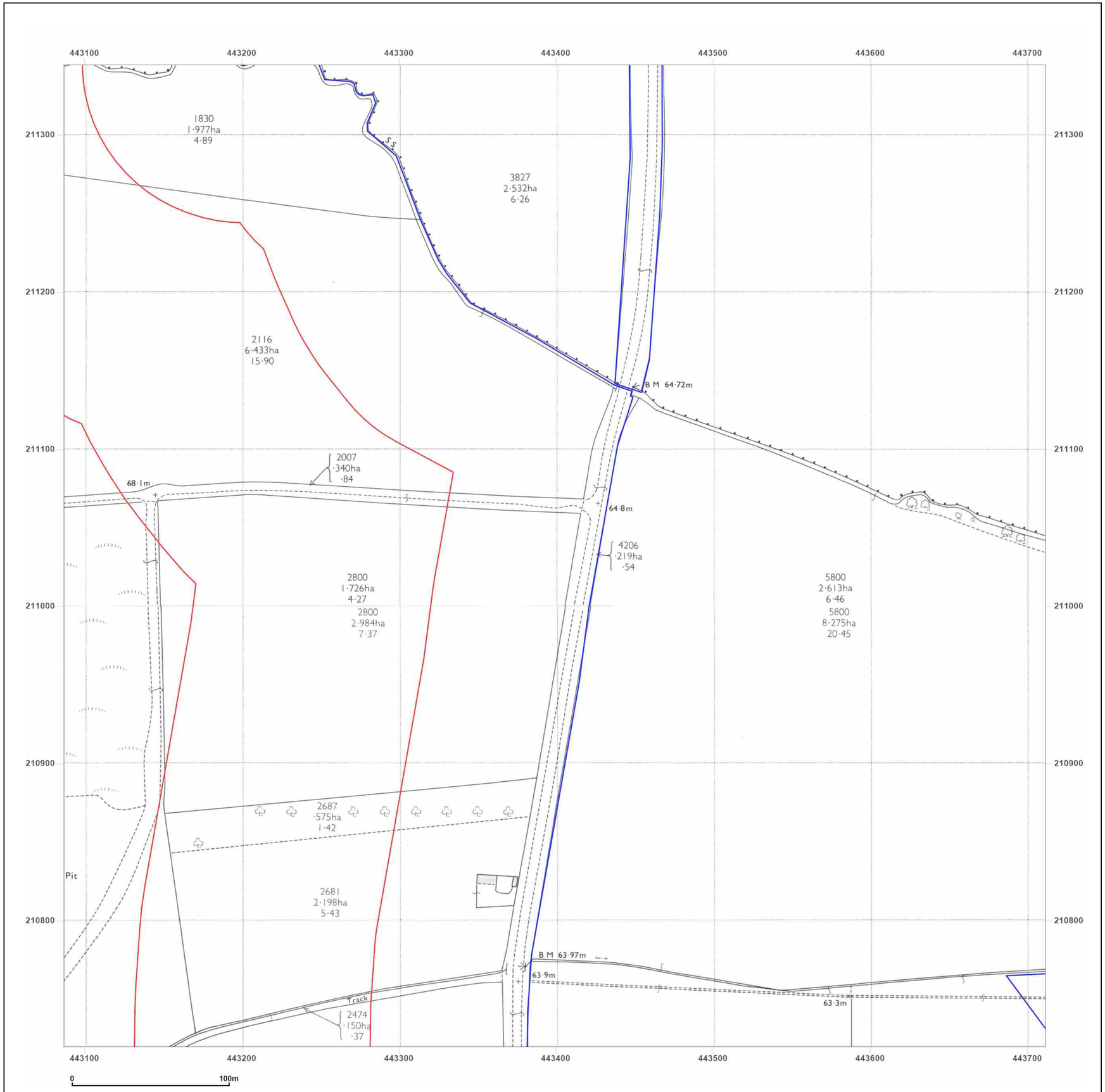

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

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Report Ref: GSIP-2022-12757-10509_LS_2_2
Grid Ref: 443399, 211032

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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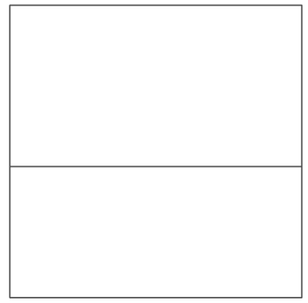
Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971



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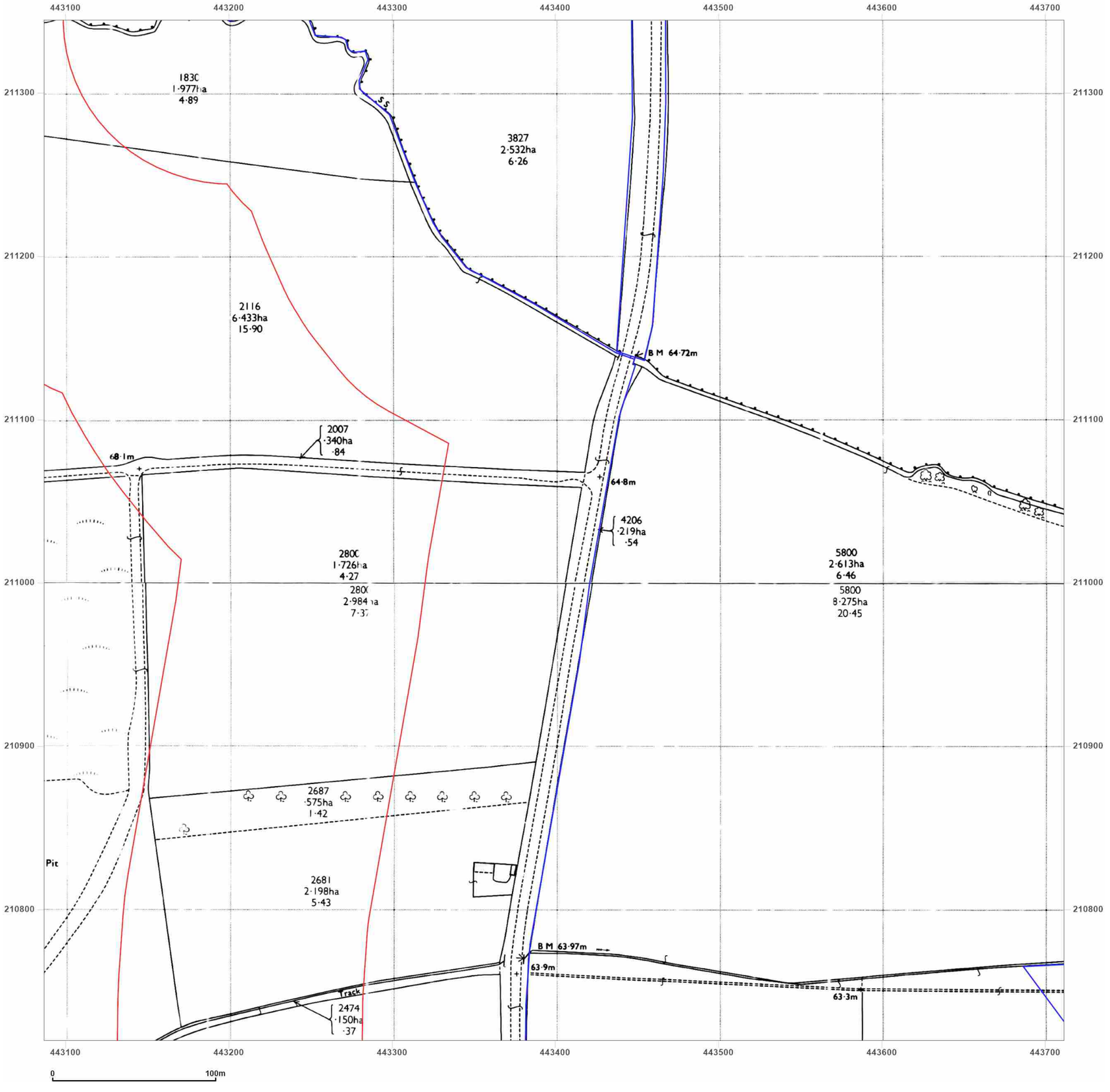
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_2
Grid Ref: 443399, 211032

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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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
Copyright N/A
Levelled N/A

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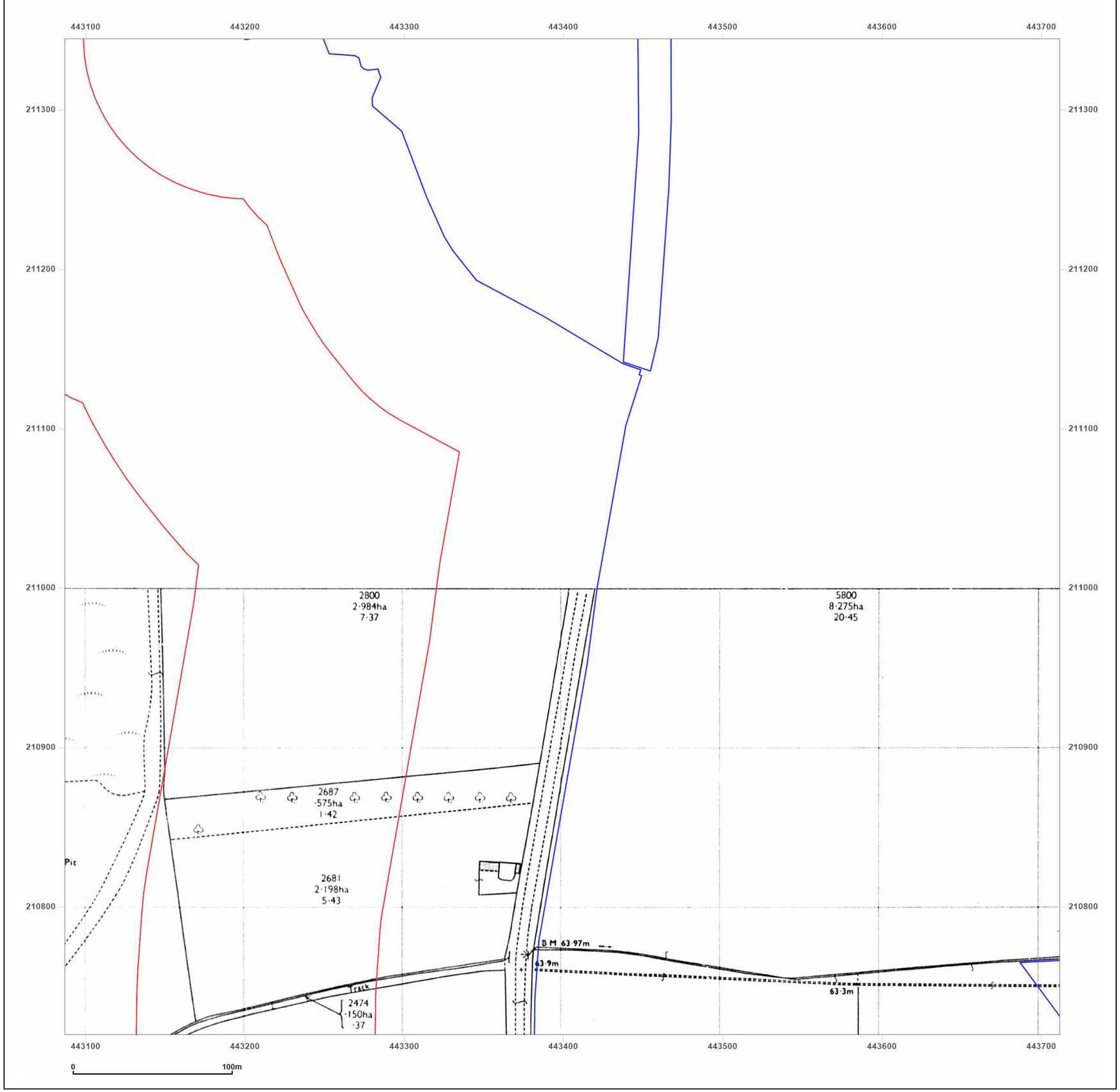
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_2
Grid Ref: 443399, 211032

Map Name: National Grid

Map date: **1985**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1971
Revised 1985
Edition N/A
Copyright 1985
Levelled 1971

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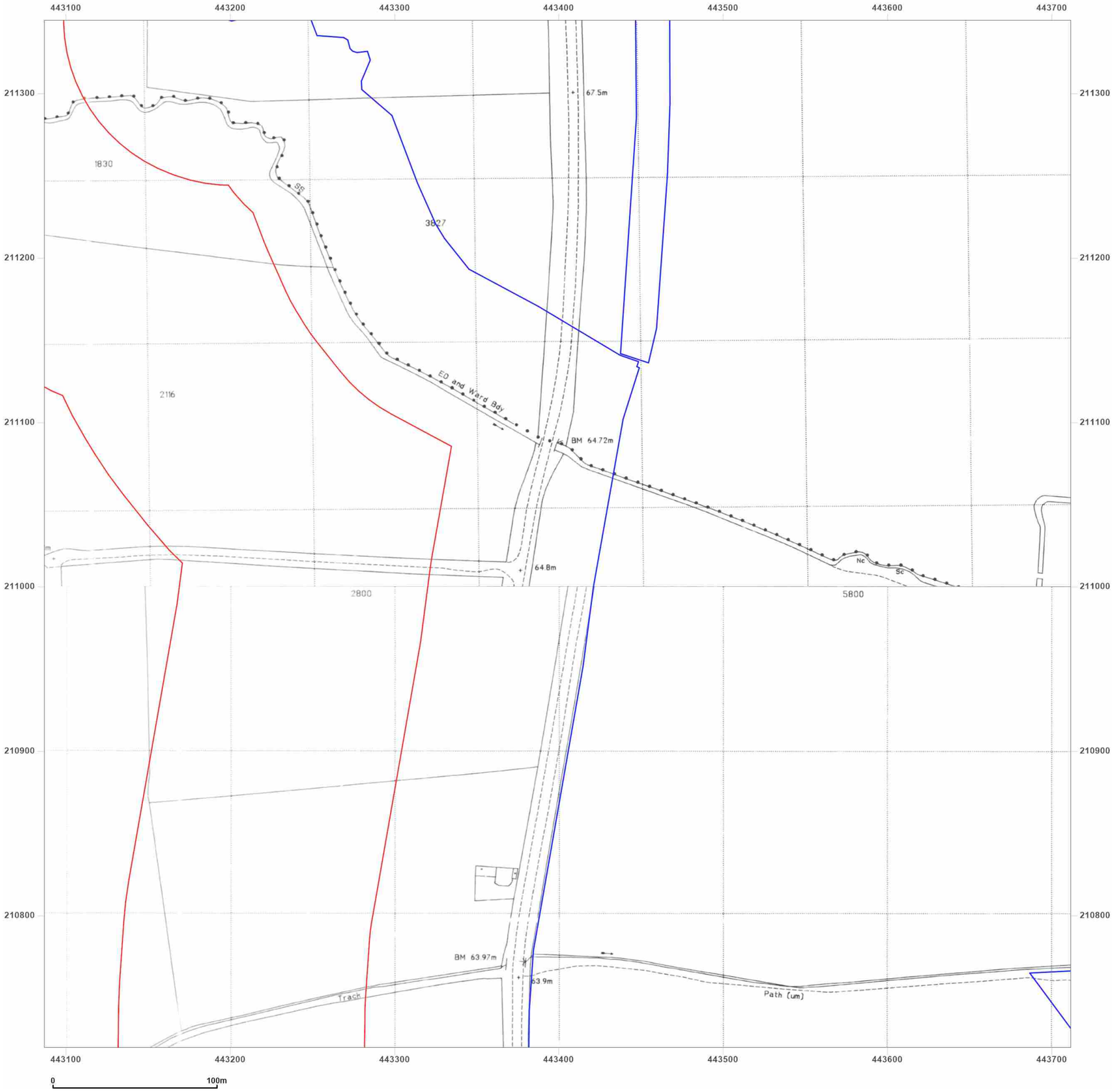
Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_2
Grid Ref: 443399, 211032

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

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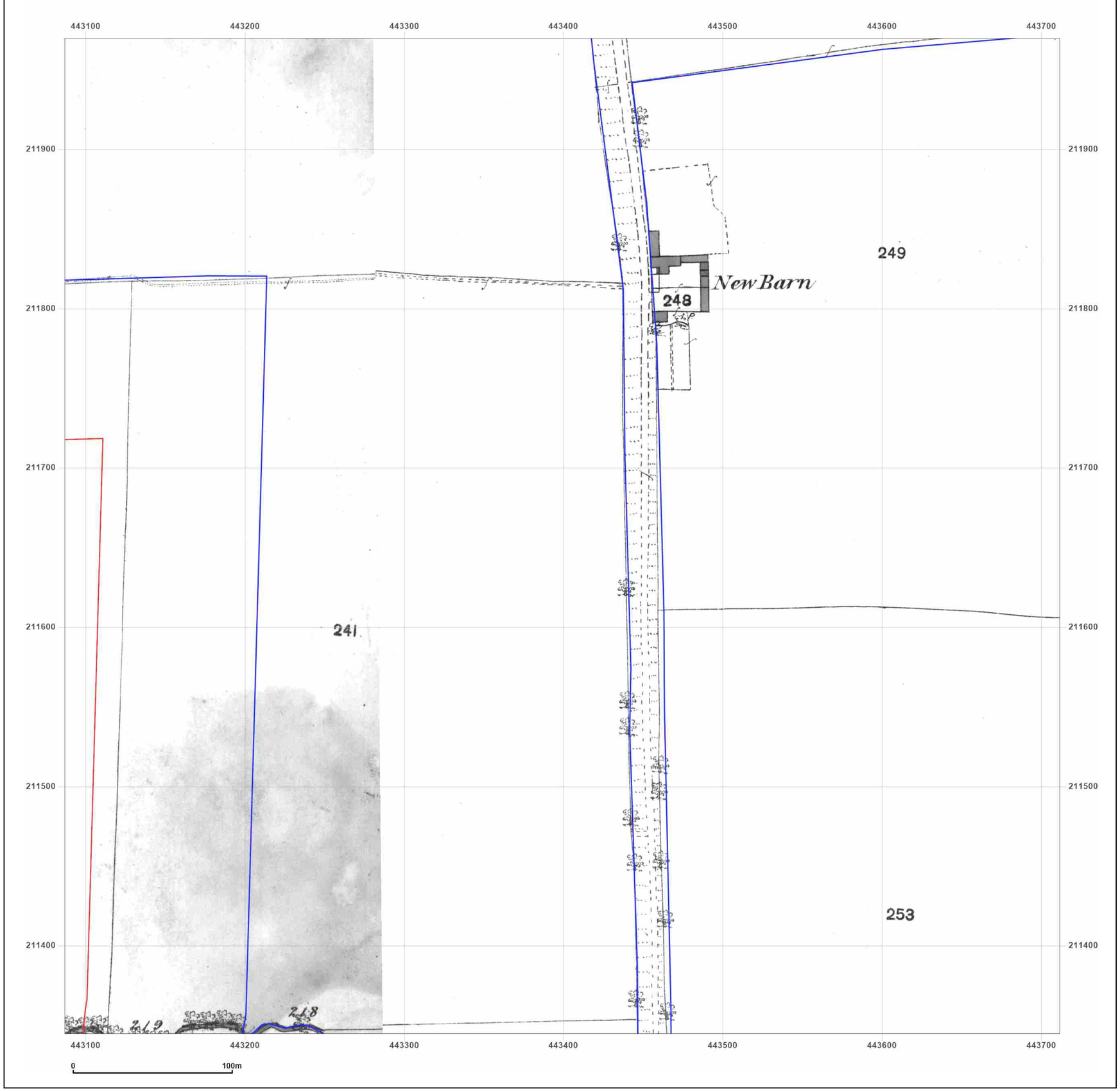
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_3
Grid Ref: 443399, 211657

Map Name: County Series

Map date: **1880-1882**

Scale: 1:2,500

Printed at: 1:2,500

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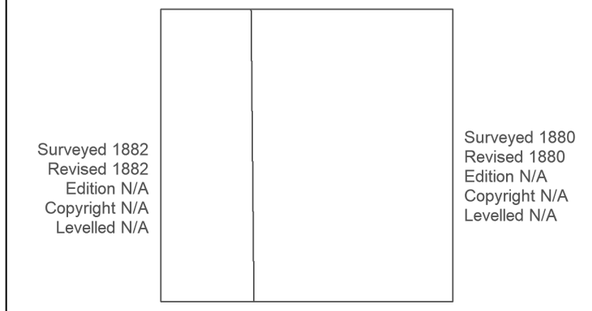

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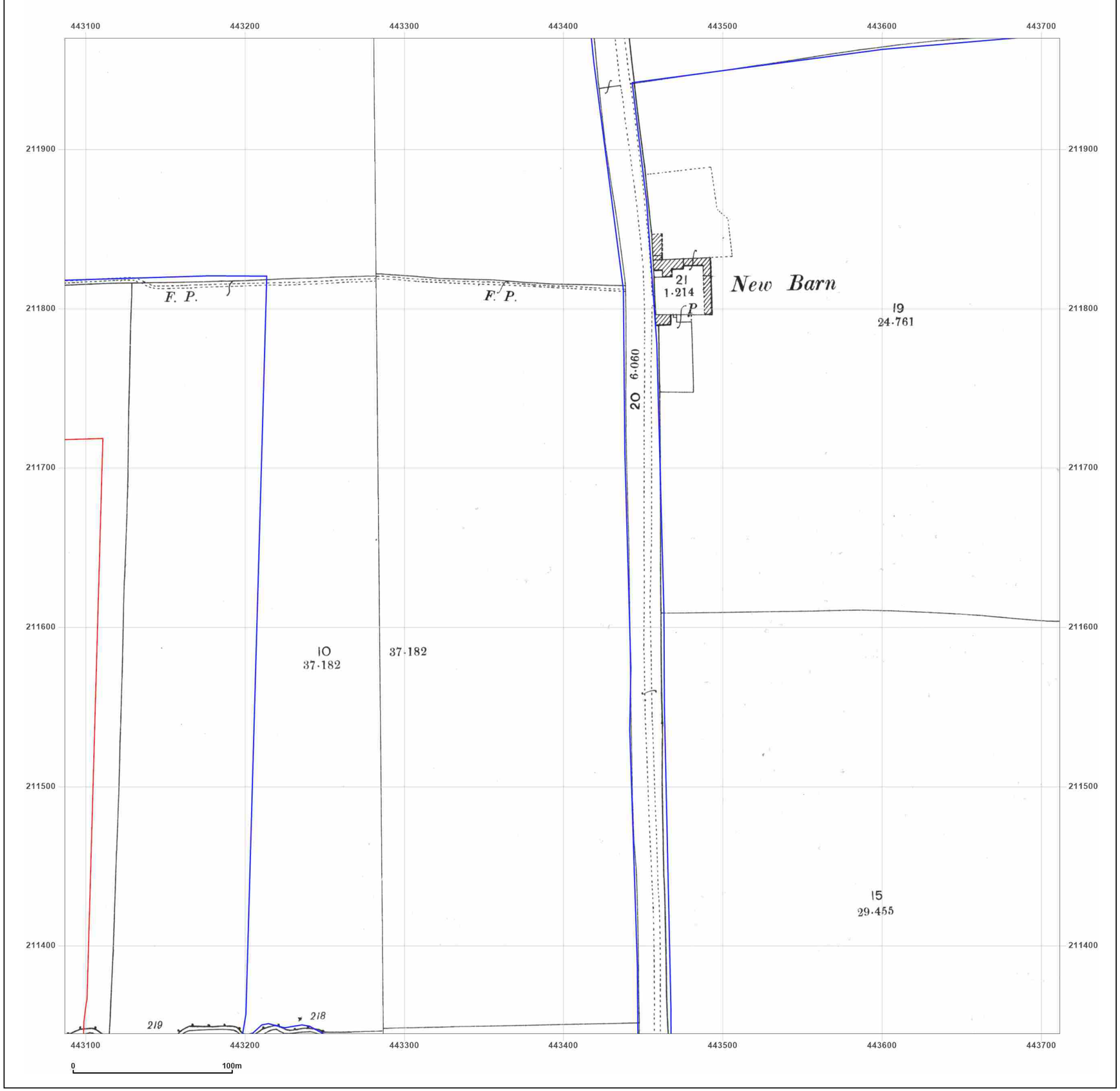
Production date: 25 May 2022

Map legend available at: [redacted]



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_3
Grid Ref: 443399, 211657

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

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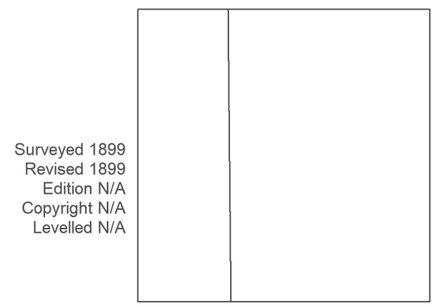

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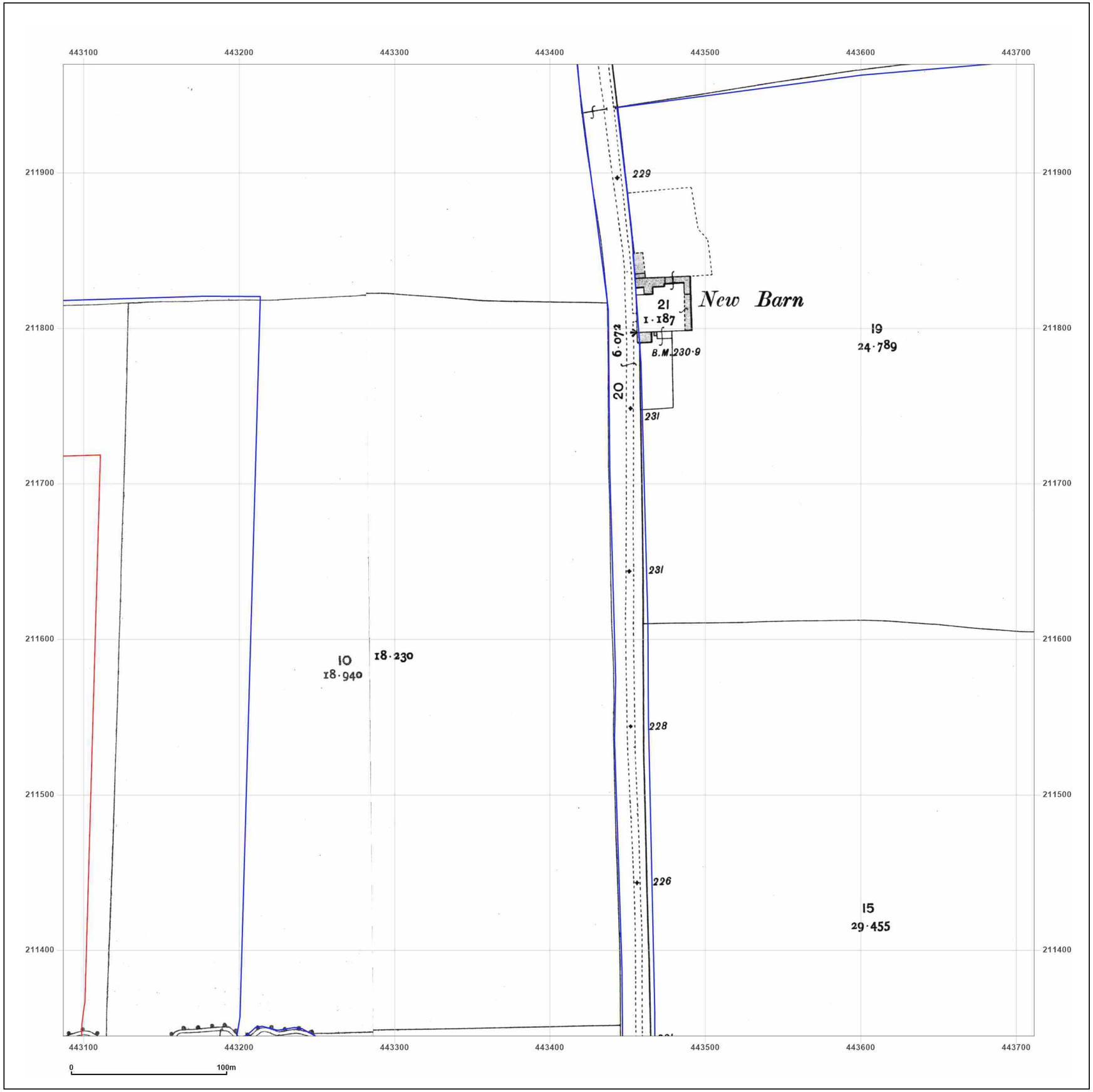
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_3
Grid Ref: 443399, 211657

Map Name: County Series

Map date: **1910-1911**

Scale: 1:2,500

Printed at: 1:2,500

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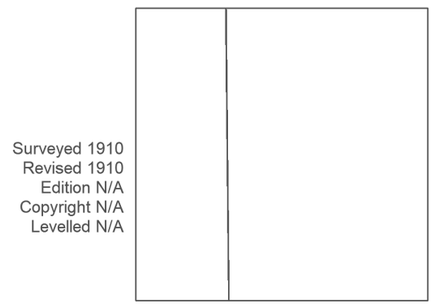

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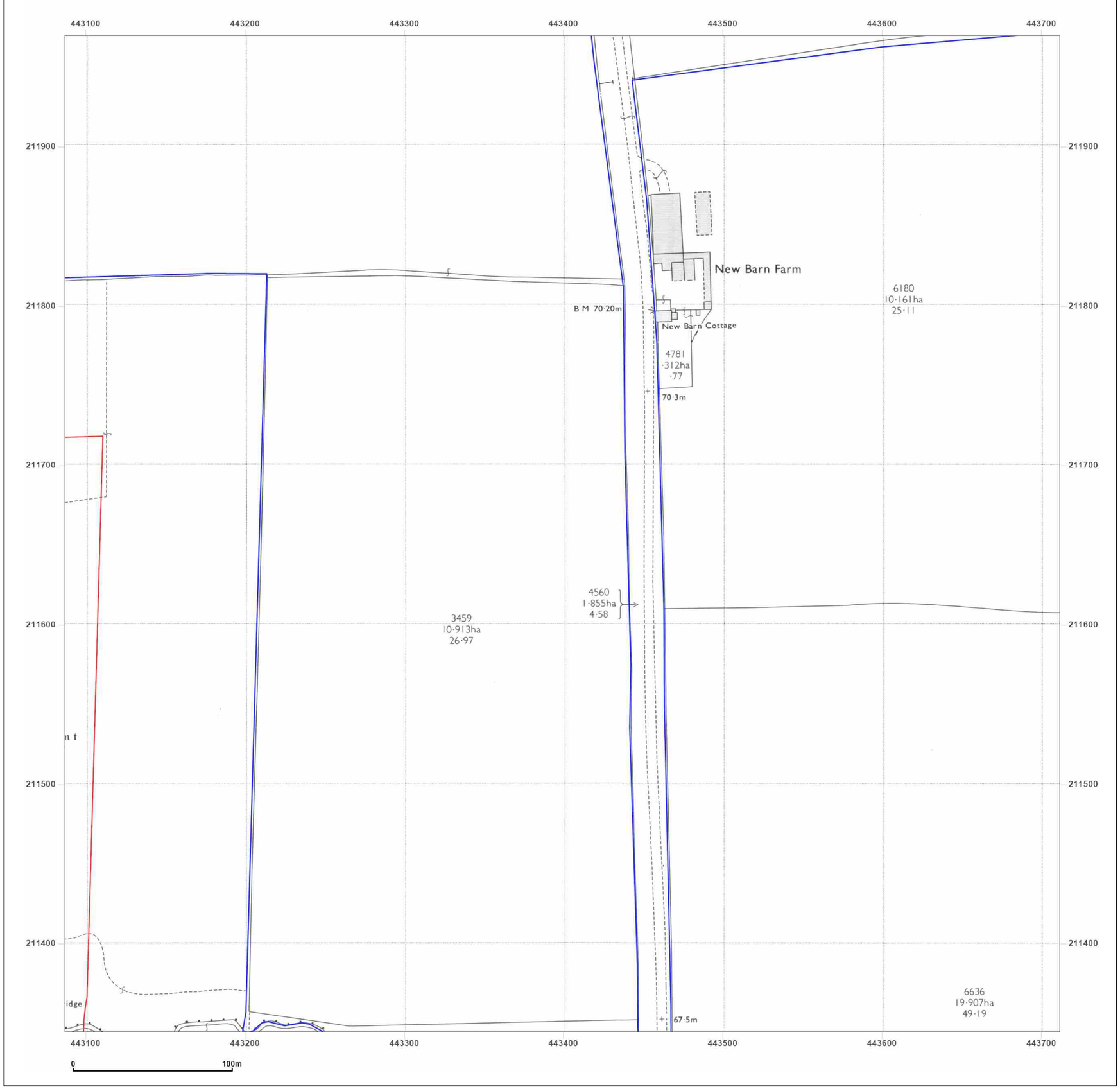
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_3
Grid Ref: 443399, 211657

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

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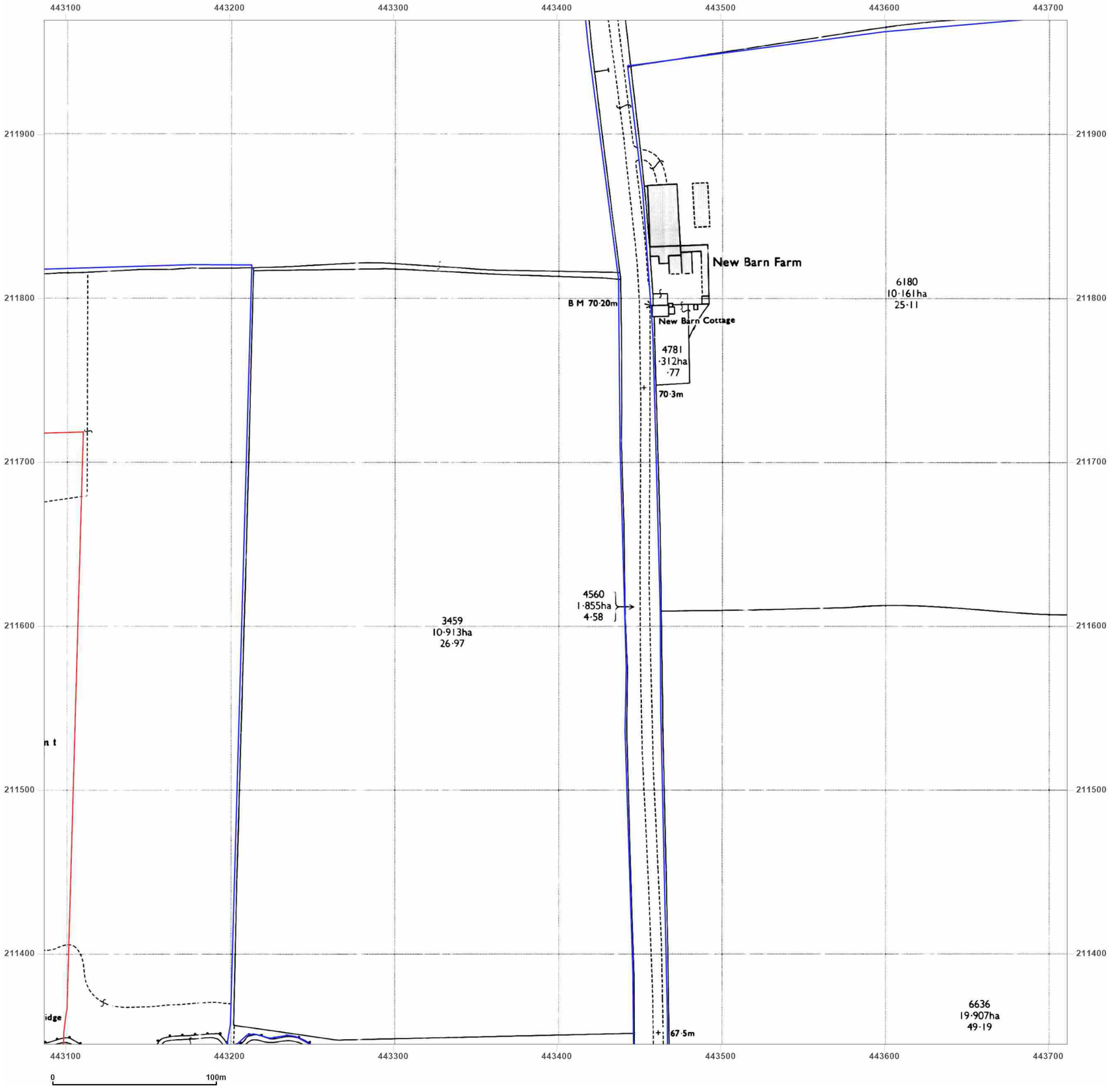
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_3
Grid Ref: 443399, 211657

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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

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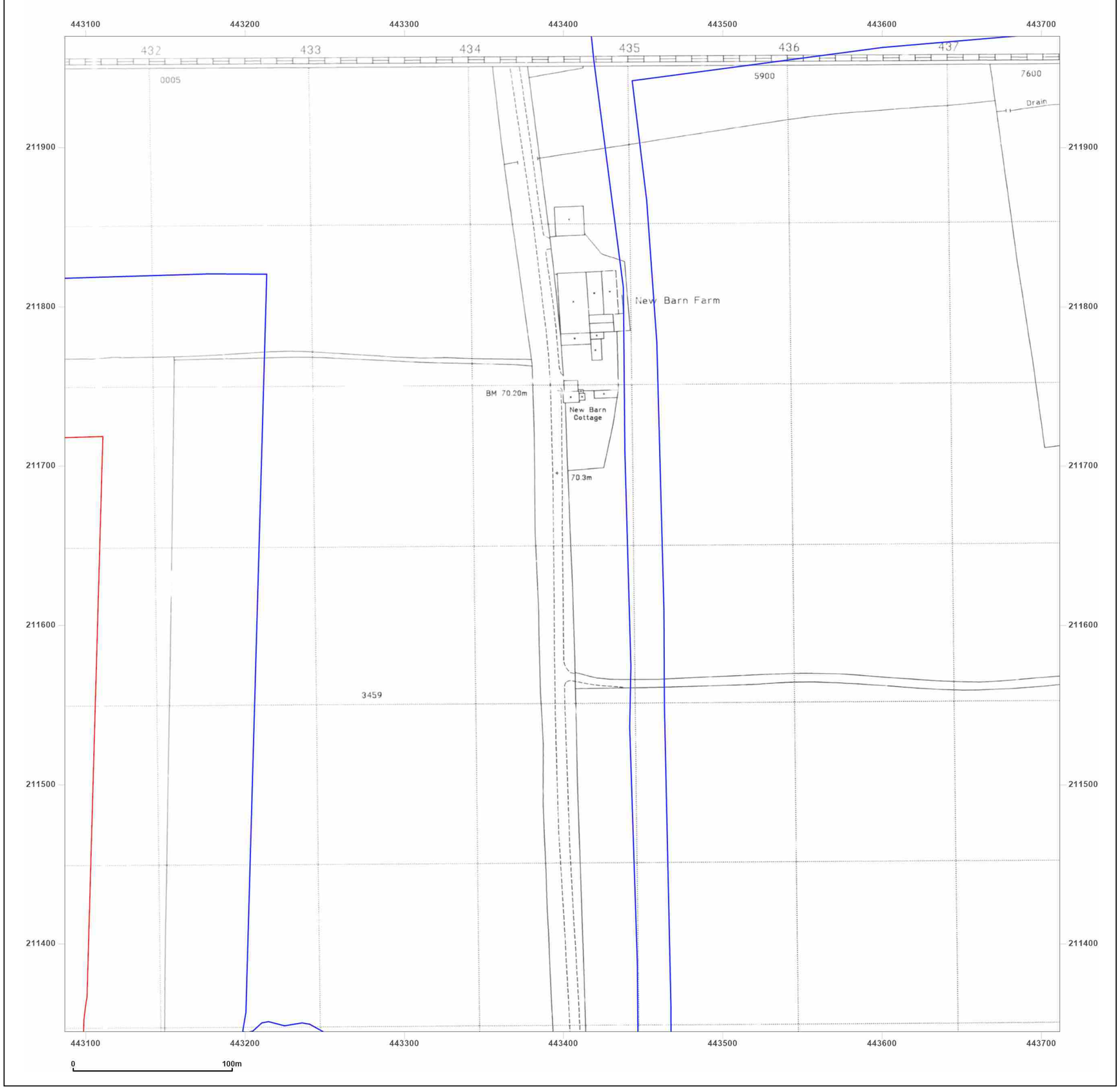
Production date: 25 May 2022

Map legend available at: [redacted]



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_3
Grid Ref: 443399, 211657

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

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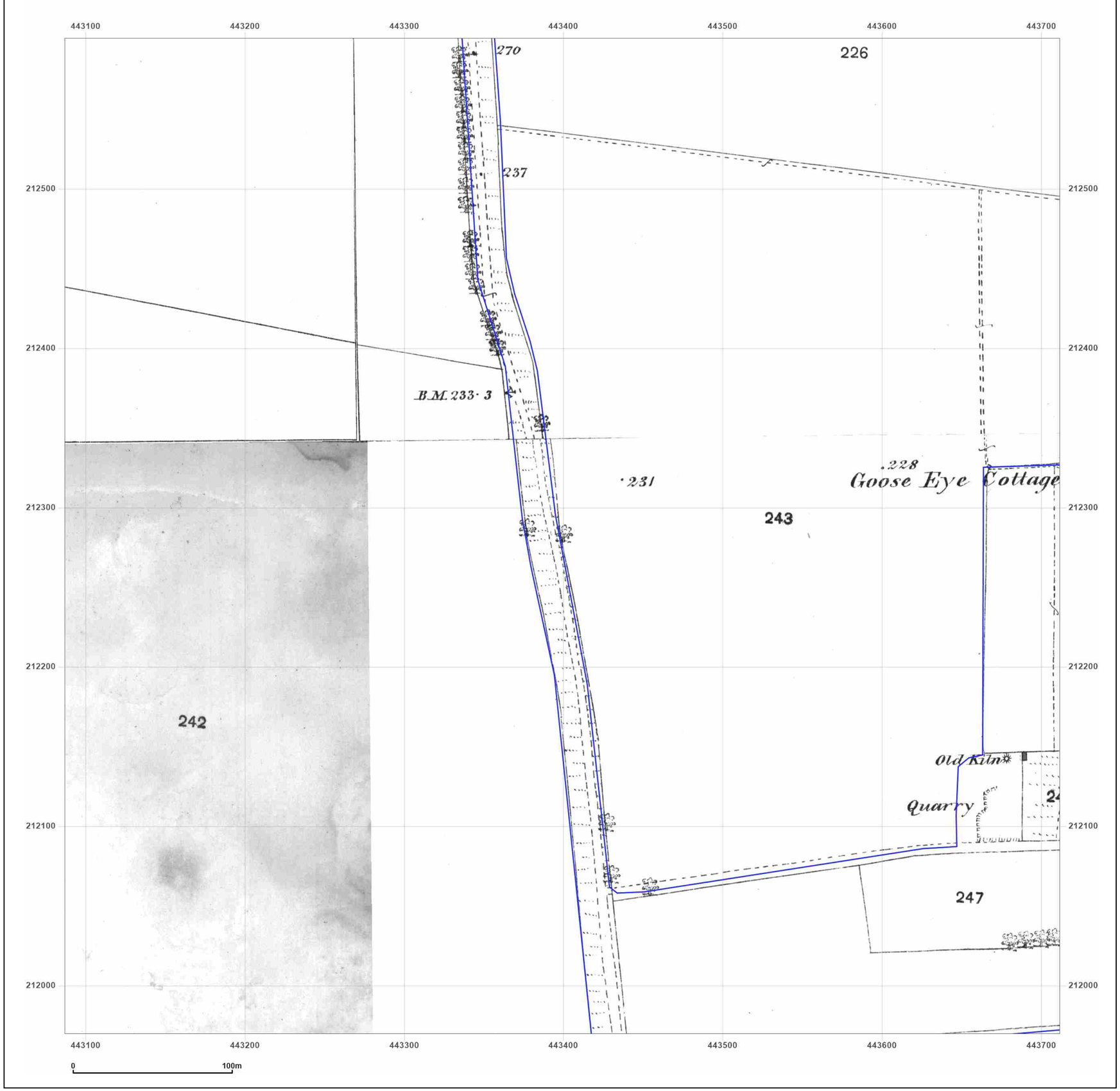
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: County Series

Map date: **1880-1882**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1881
Revised 1881
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1881
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1882
Revised 1882
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

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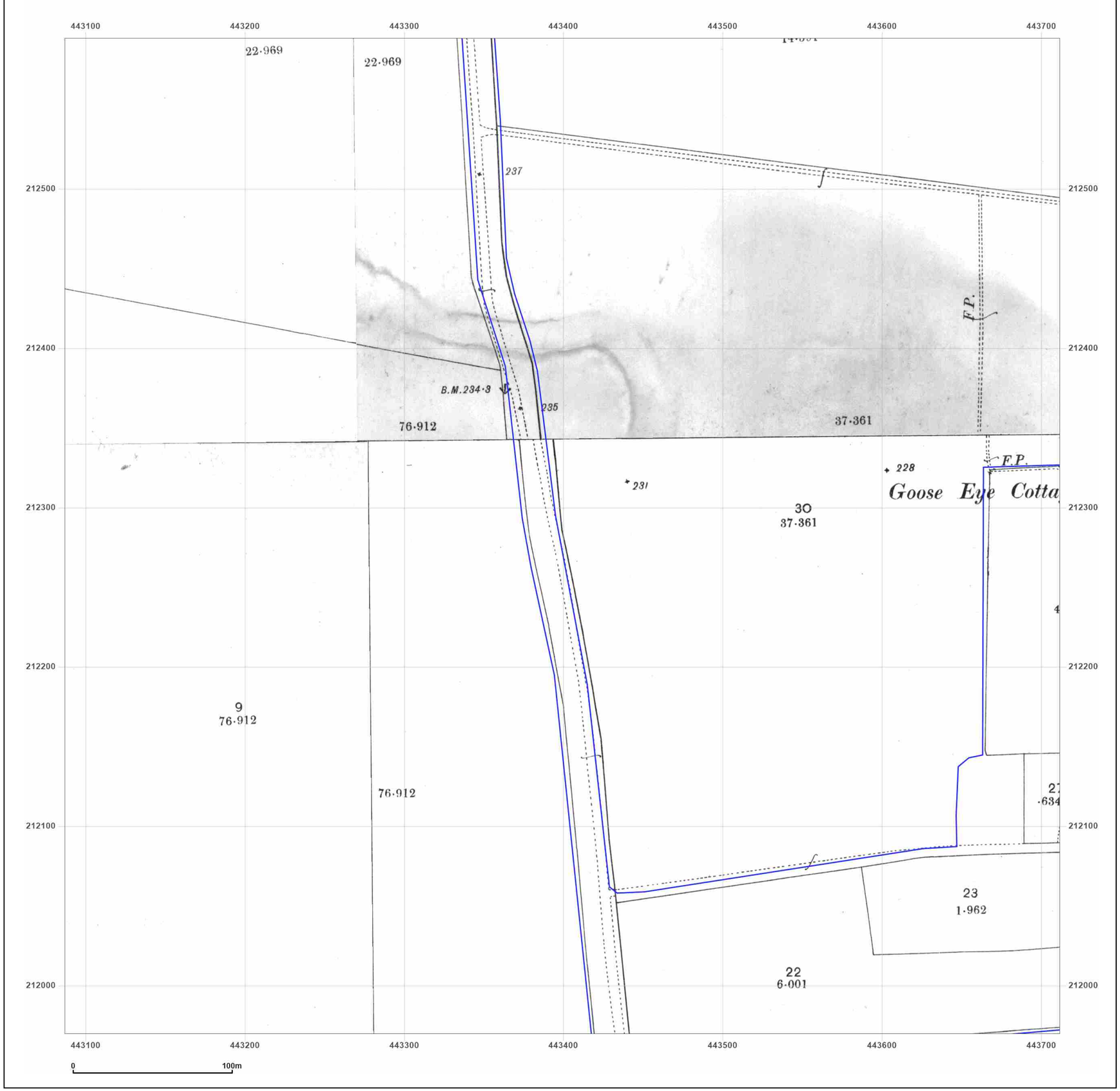
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: County Series

Map date: 1899

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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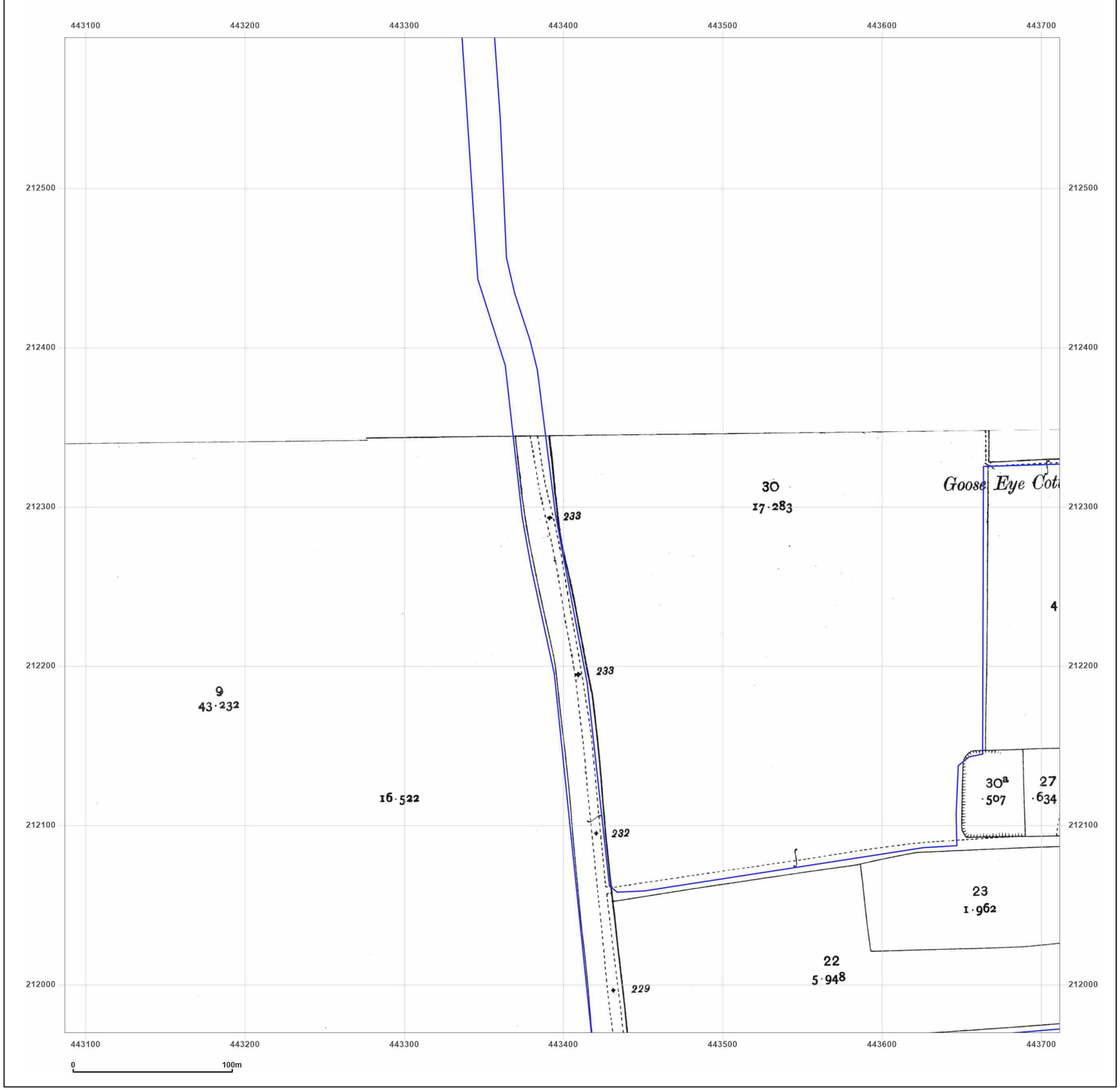
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: County Series

Map date: **1910-1911**

Scale: 1:2,500

Printed at: 1:2,500

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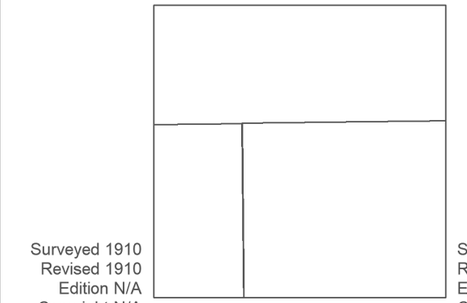

Surveyed 1910
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

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

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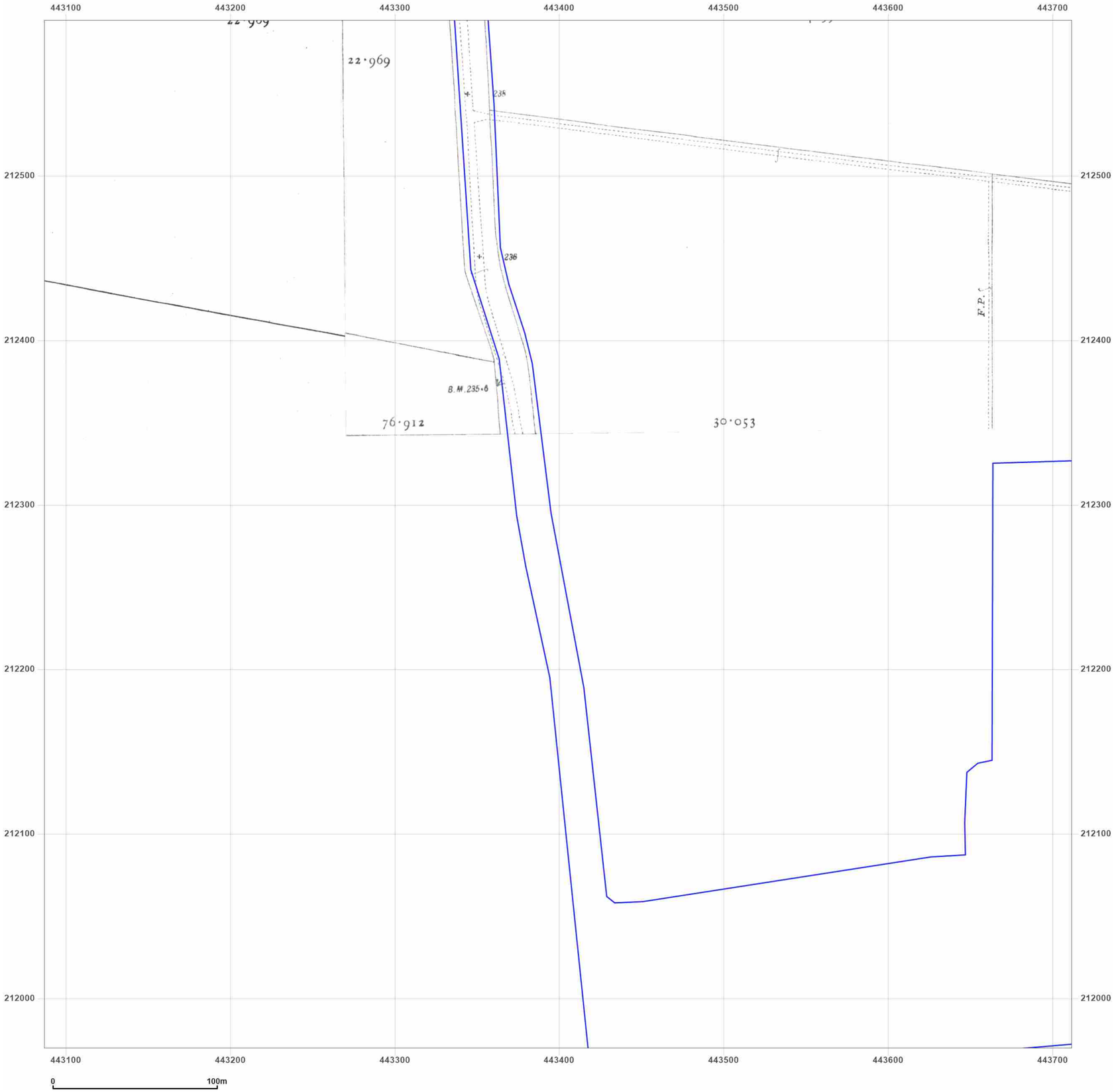
Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: County Series

Map date: **1921**

Scale: 1:2,500

Printed at: 1:2,500

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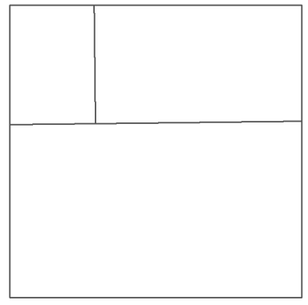
Surveyed 1921
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1921
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A

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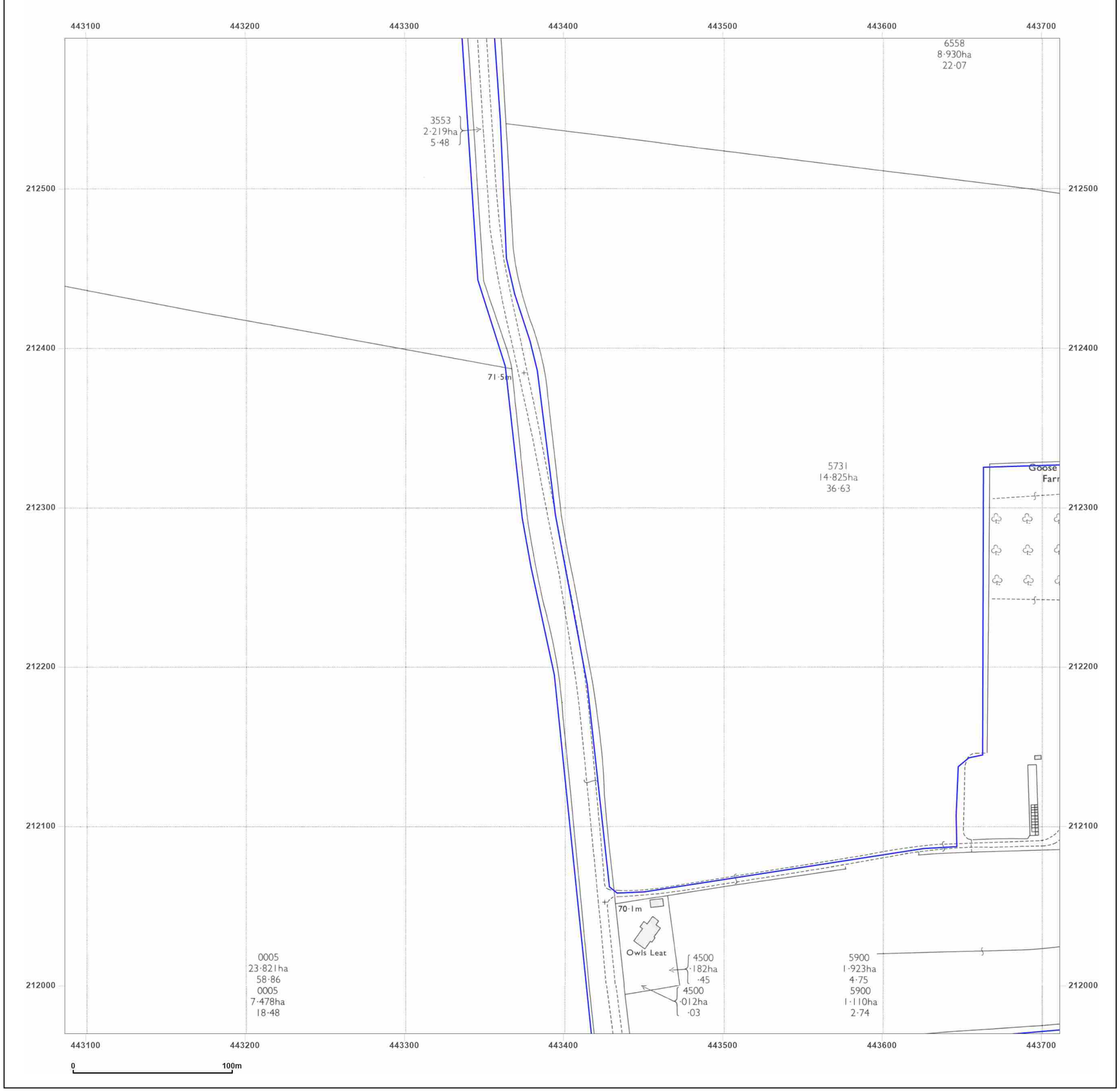
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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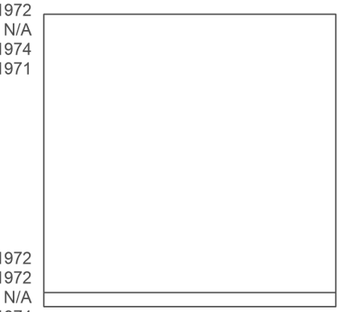
Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971



Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

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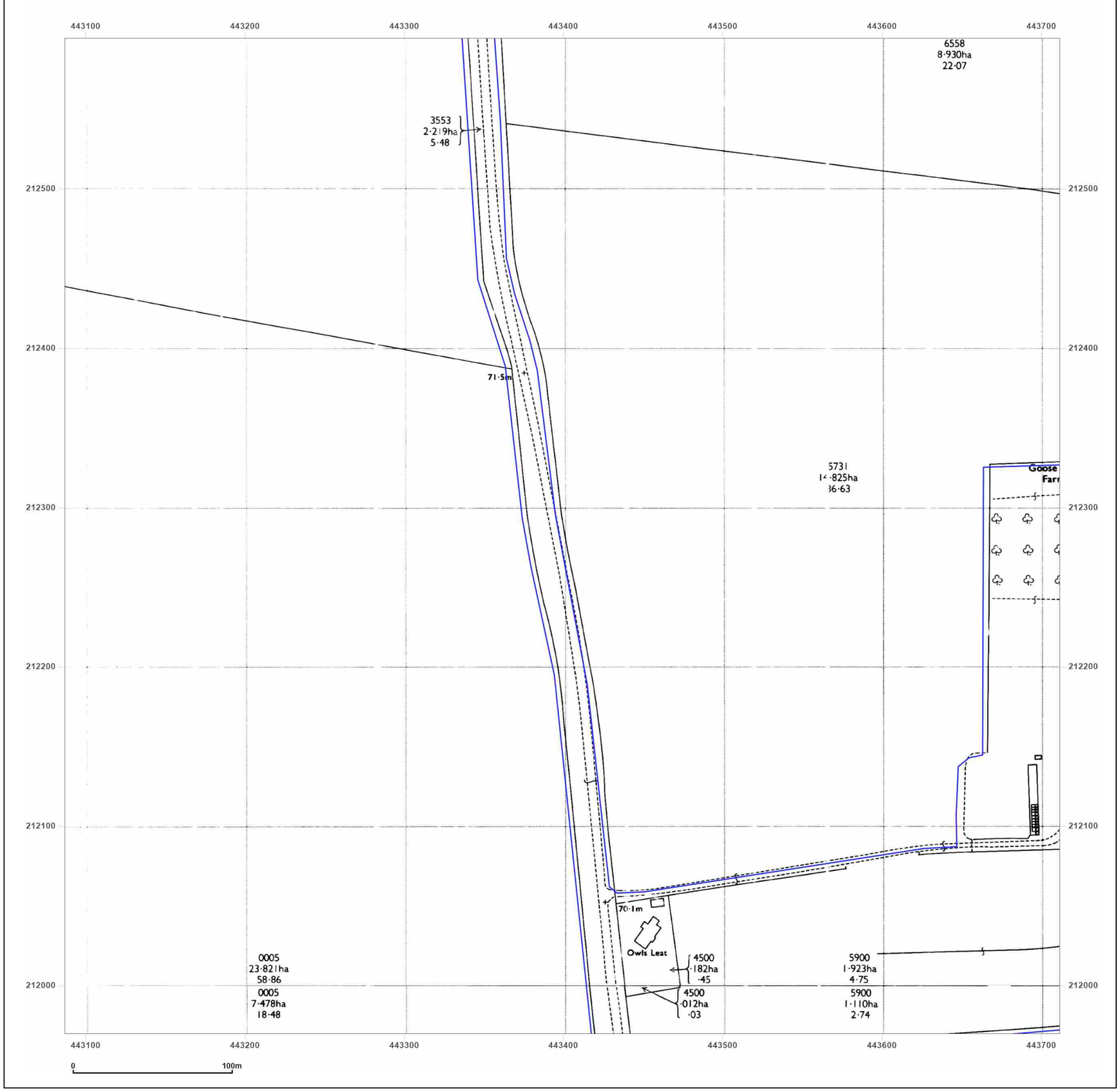
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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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
Copyright N/A
Levelled N/A

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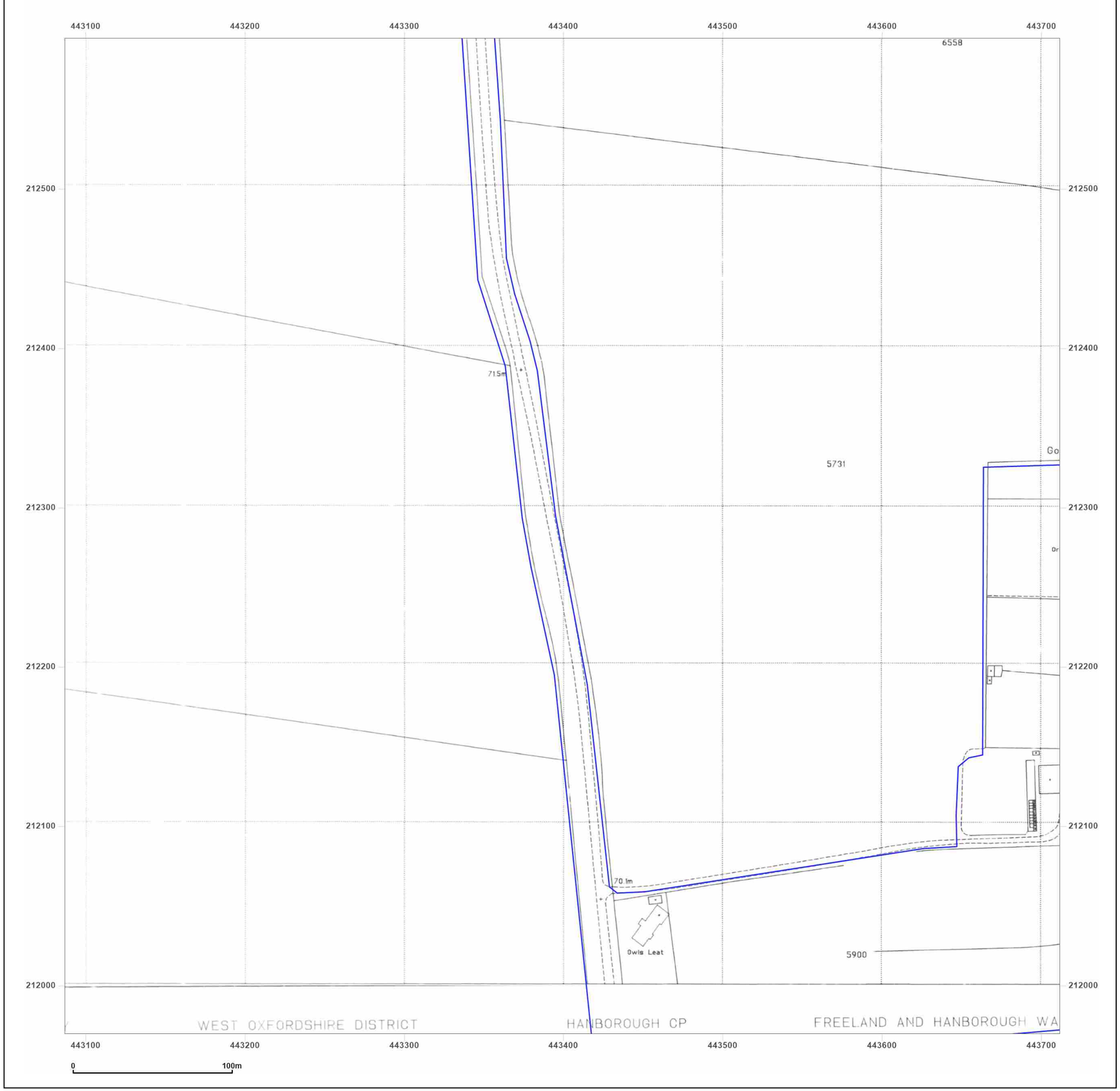
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_2_4
Grid Ref: 443399, 212282

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

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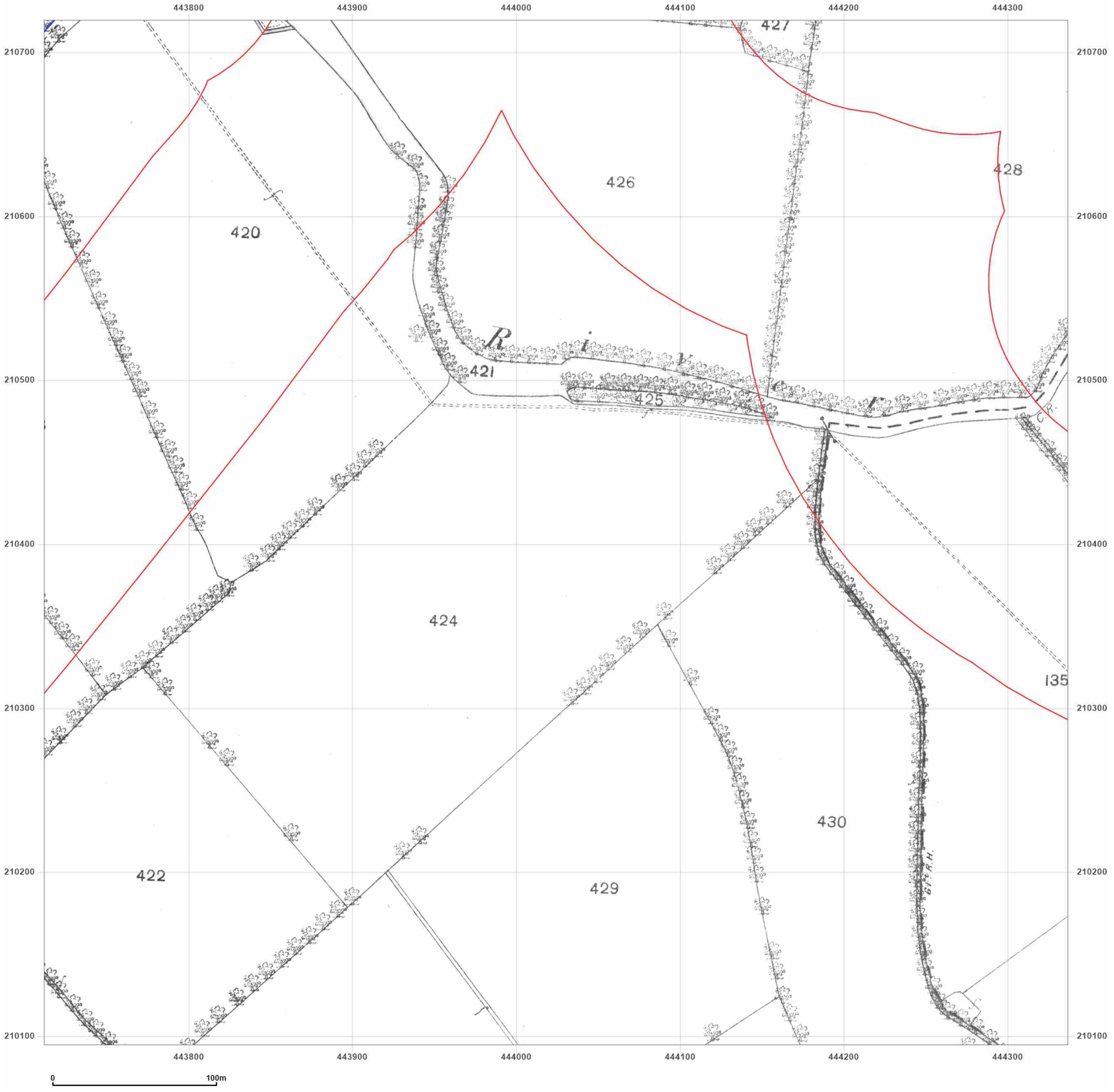
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

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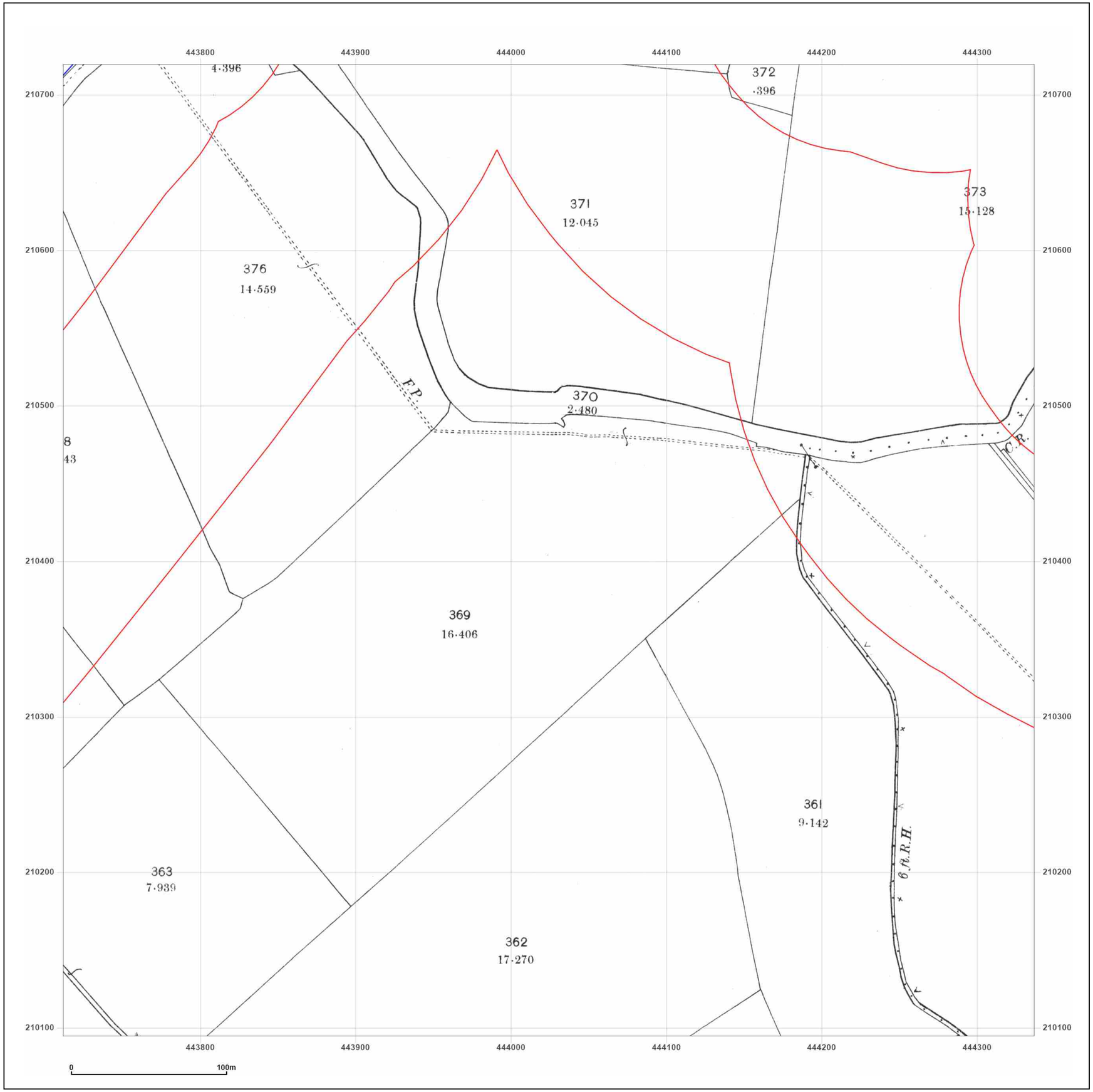
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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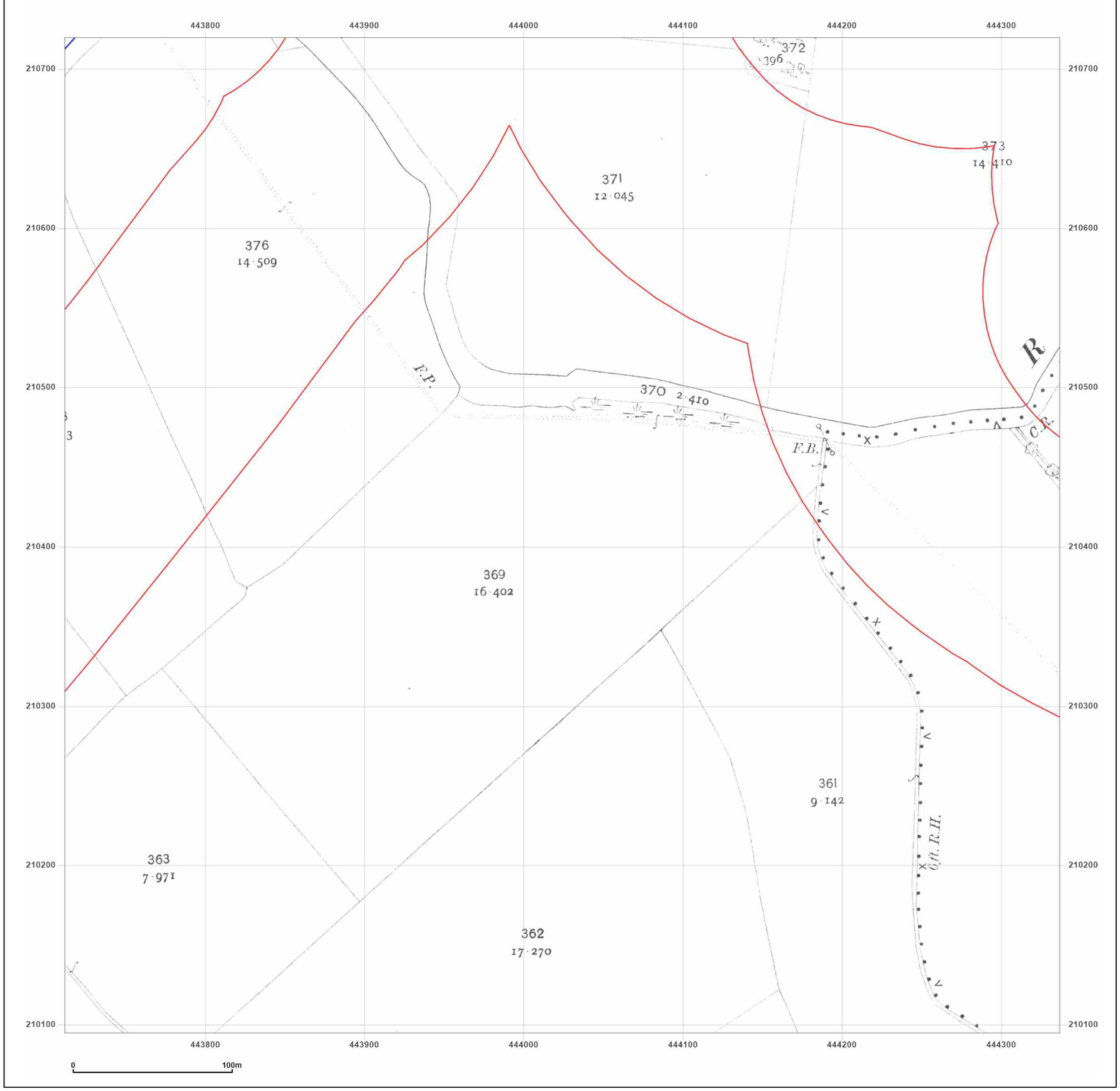
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: County Series

Map date: **1913**

Scale: 1:2,500

Printed at: 1:2,500

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

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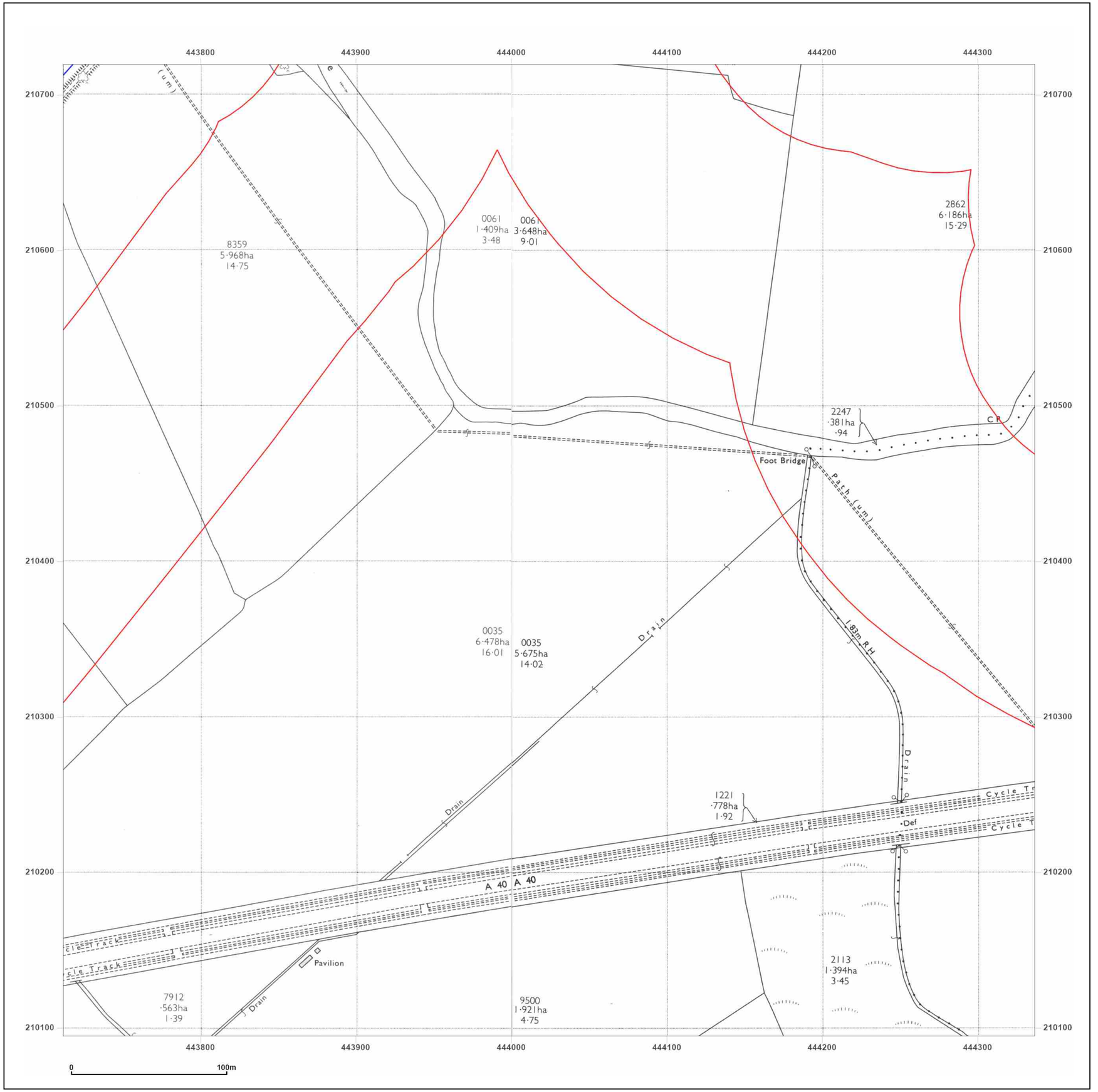
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1972 Revised 1972 Edition N/A Copyright 1974 Levelled 1971	Surveyed 1972 Revised 1972 Edition N/A Copyright 1974 Levelled 1972

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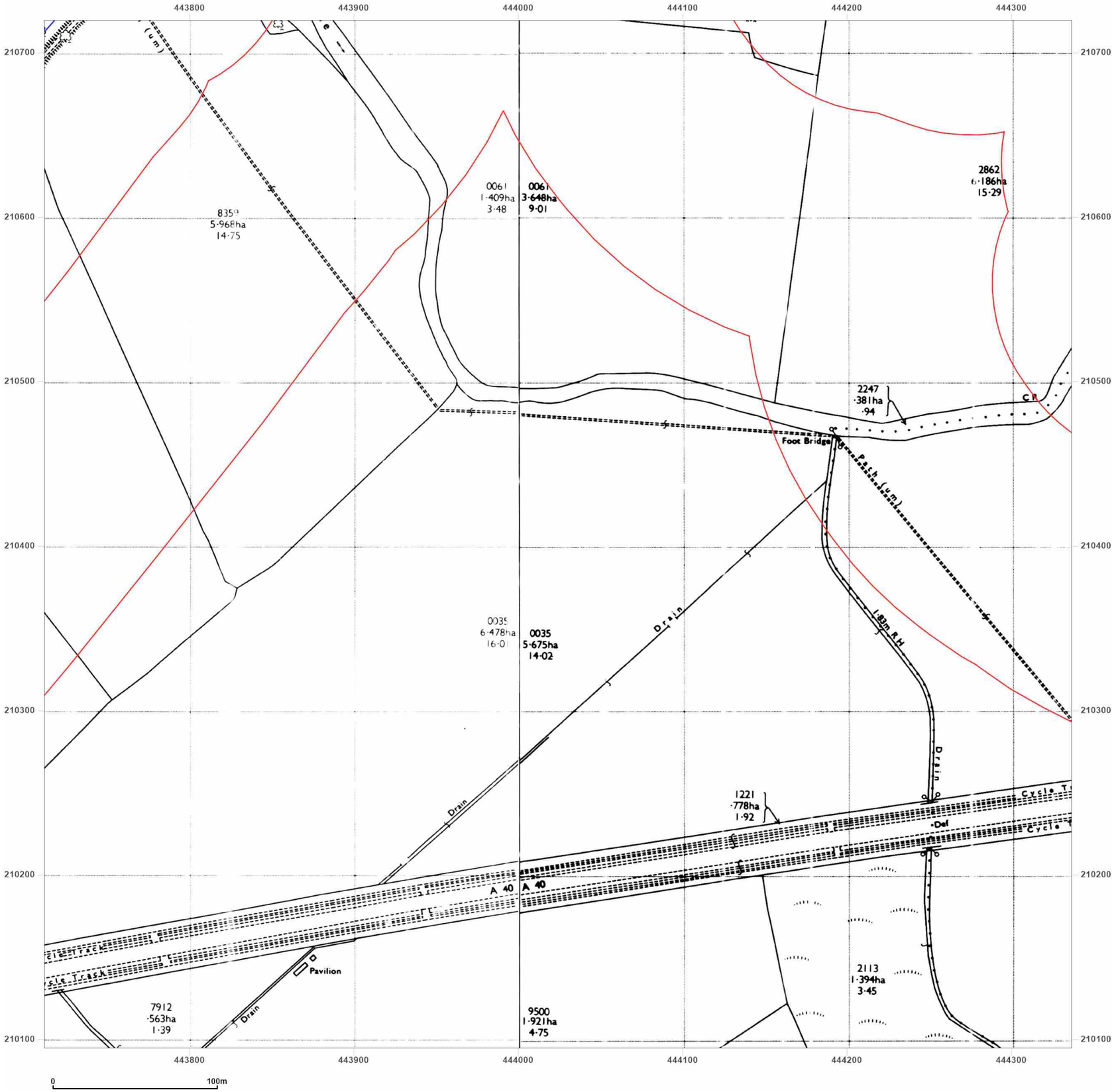
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

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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 Copyright N/A Levelled N/A

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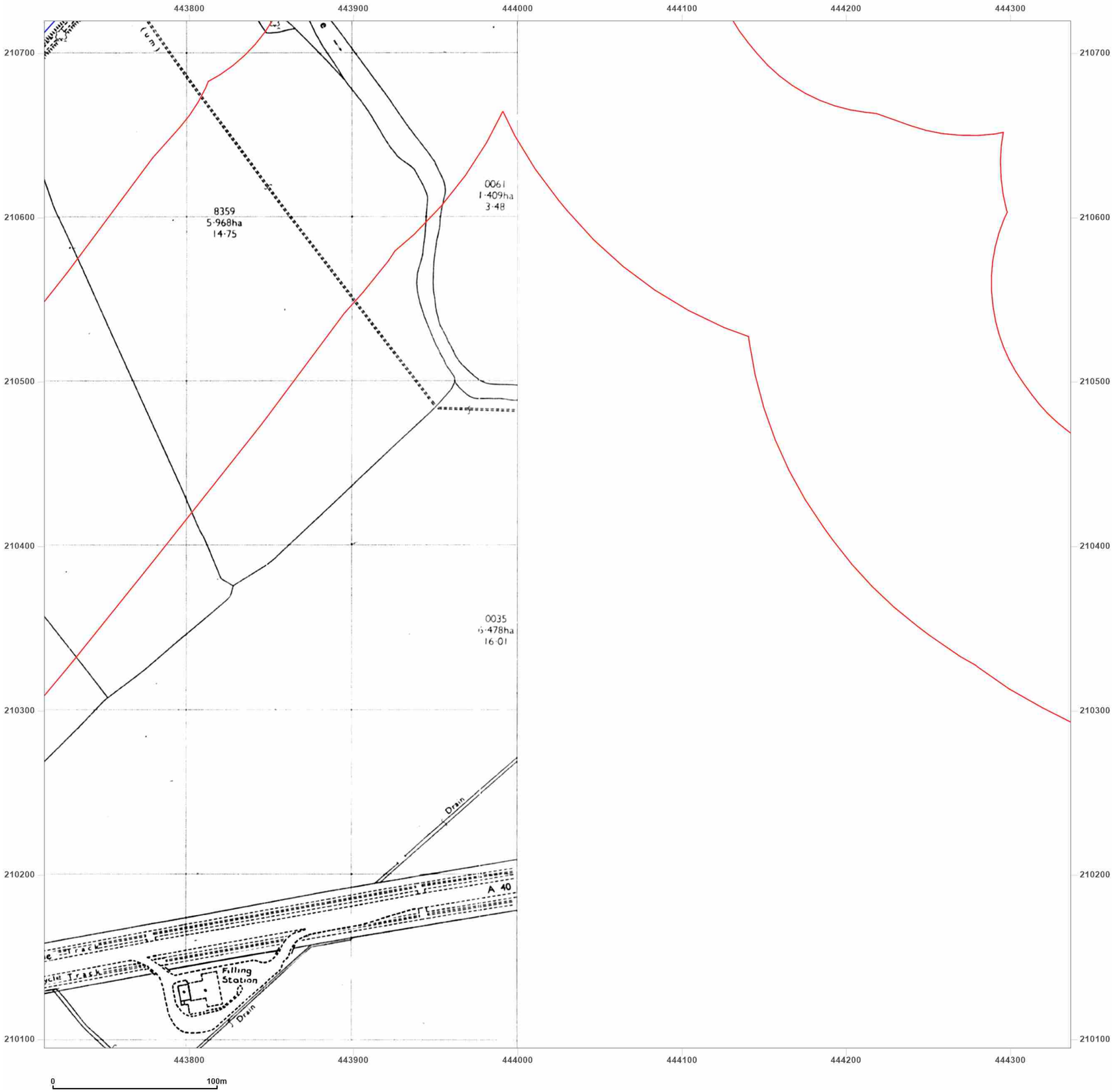
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: National Grid

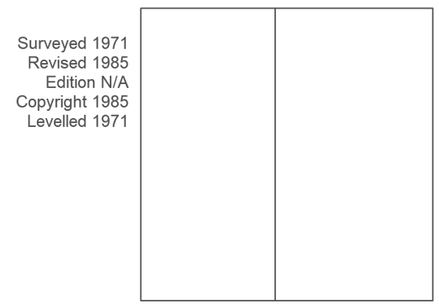
Map date: **1985**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1971
Revised 1985
Edition N/A
Copyright 1985
Levelled 1971



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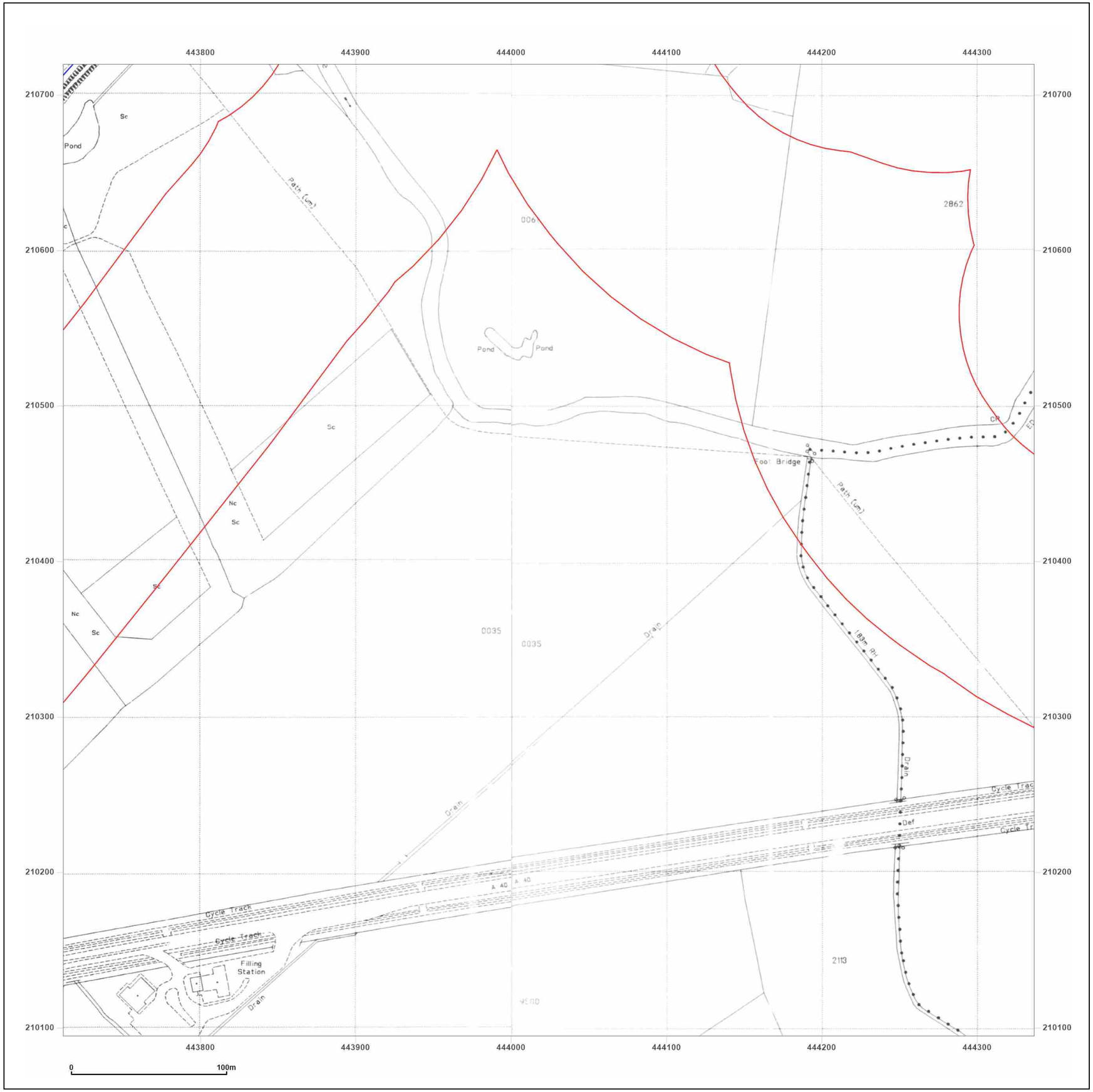
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_1
Grid Ref: 444024, 210407

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1994 Revised 1994 Edition N/A Copyright N/A Levelled N/A	Surveyed 1994 Revised 1994 Edition N/A Copyright N/A Levelled N/A

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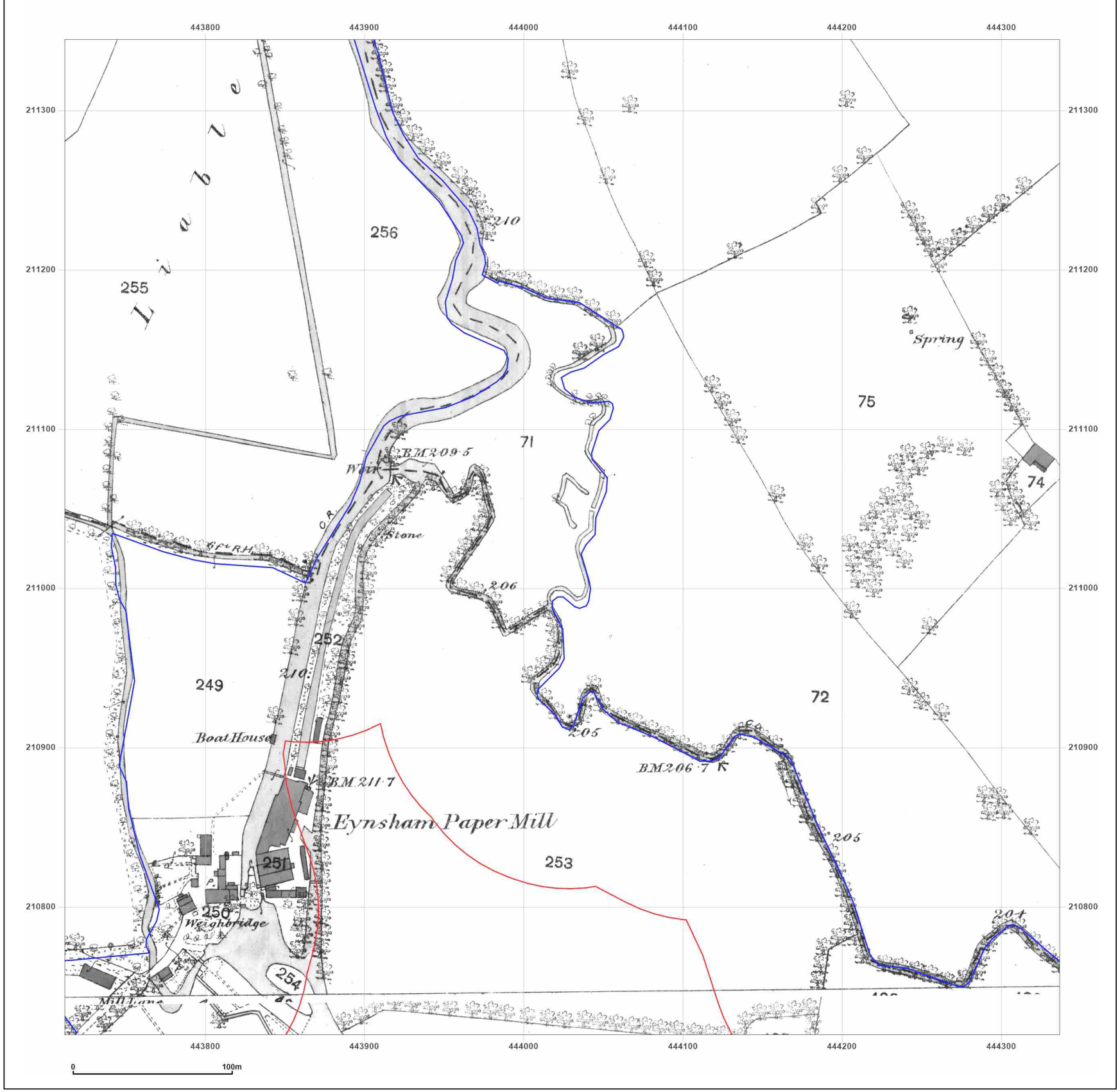
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: County Series

Map date: **1876-1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

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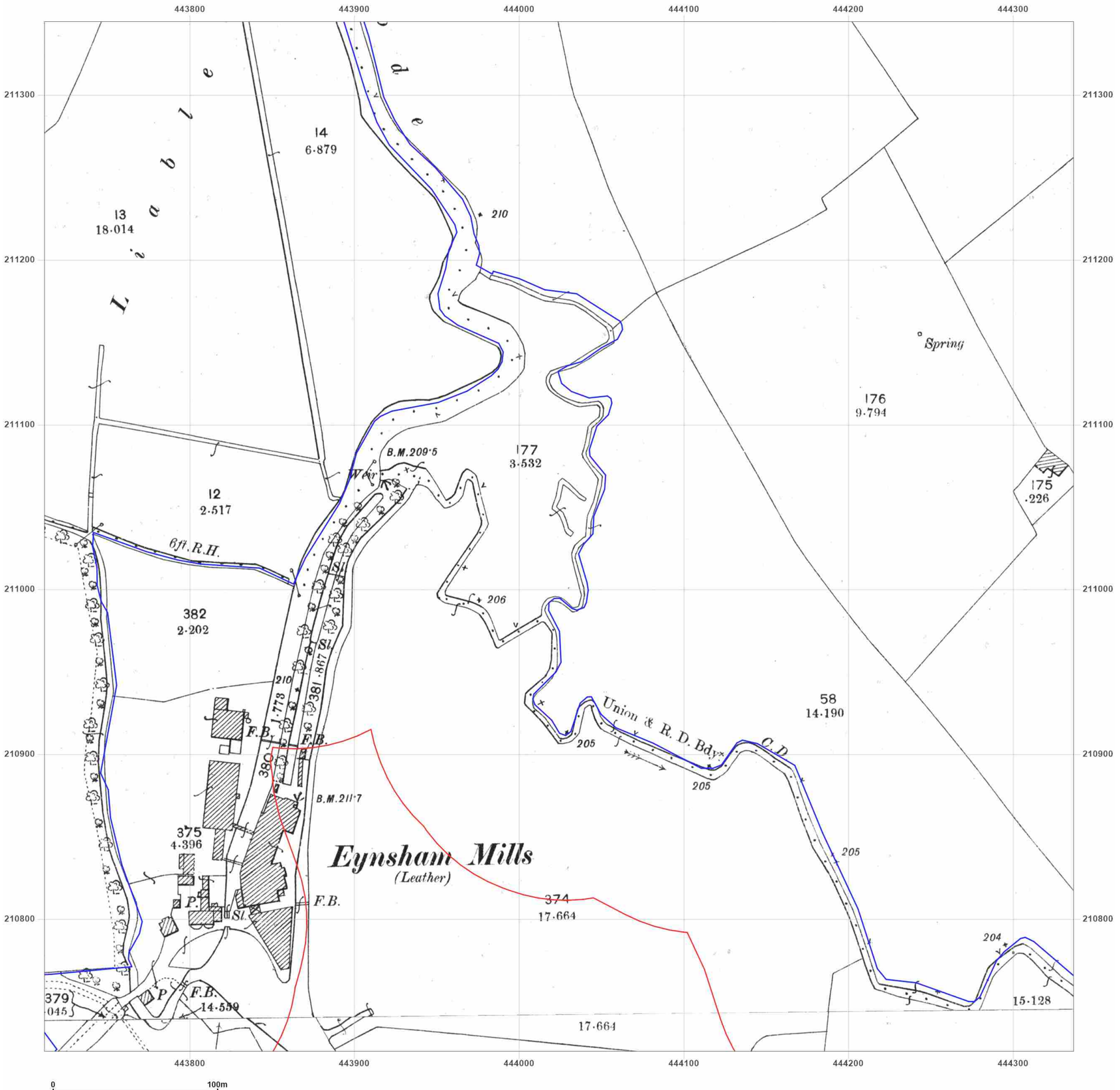
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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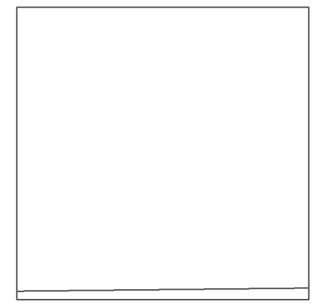
Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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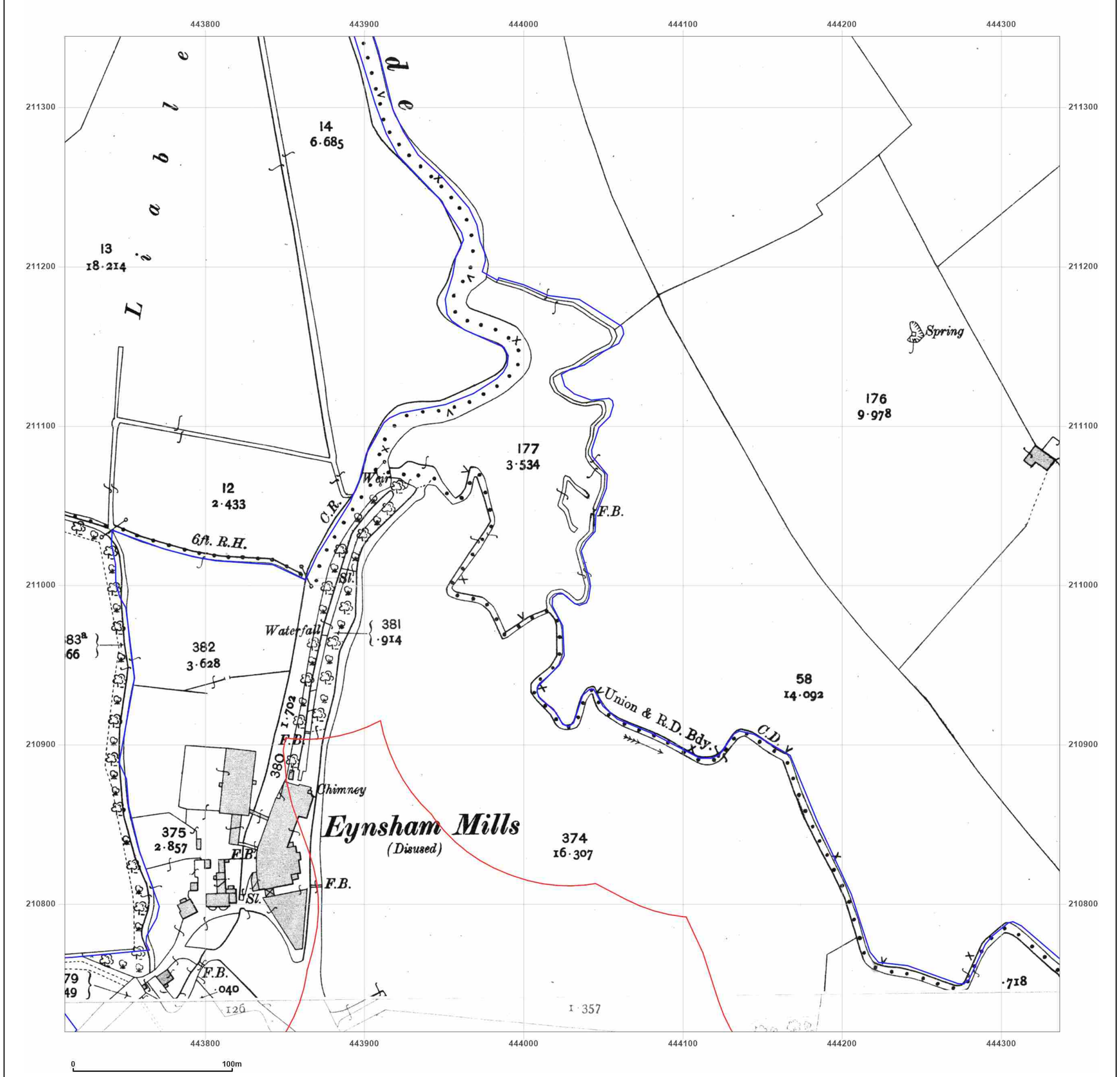
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: County Series
Map date: **1911-1913**
Scale: 1:2,500
Printed at: 1:2,500

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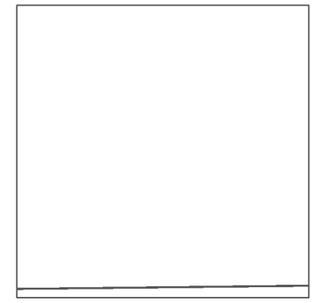
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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

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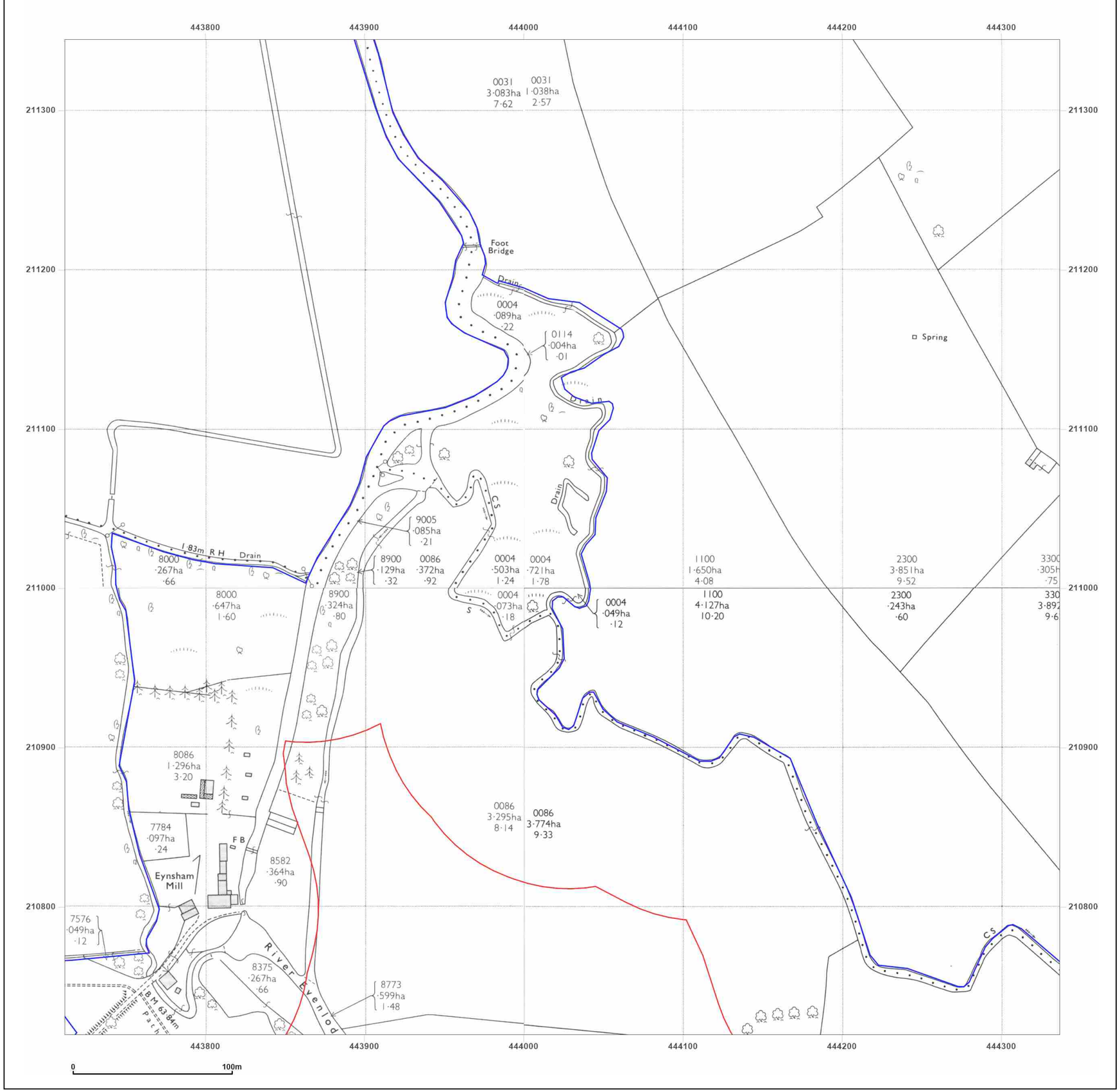
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1972

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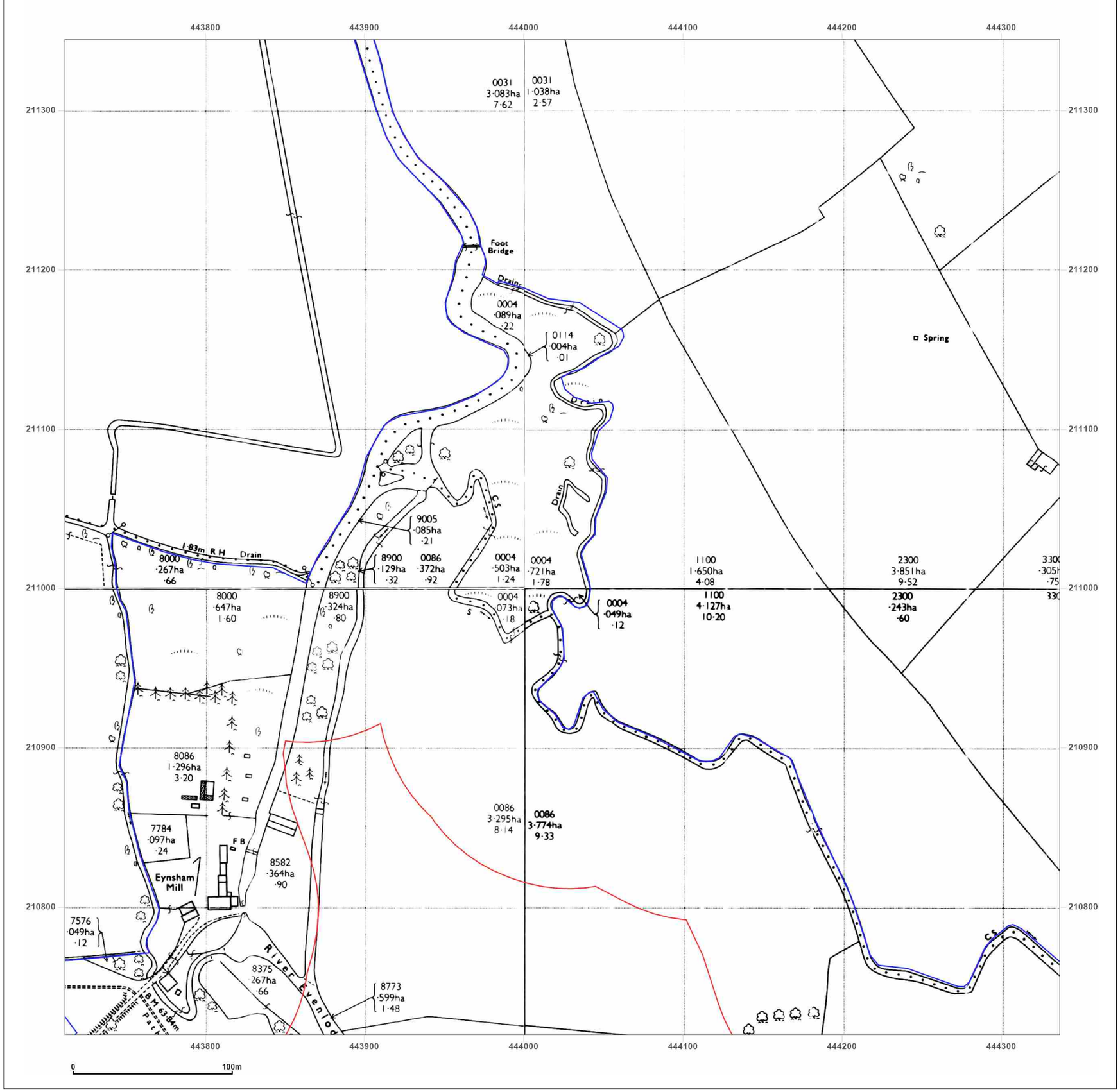
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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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
Copyright N/A
Levelled N/A

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

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

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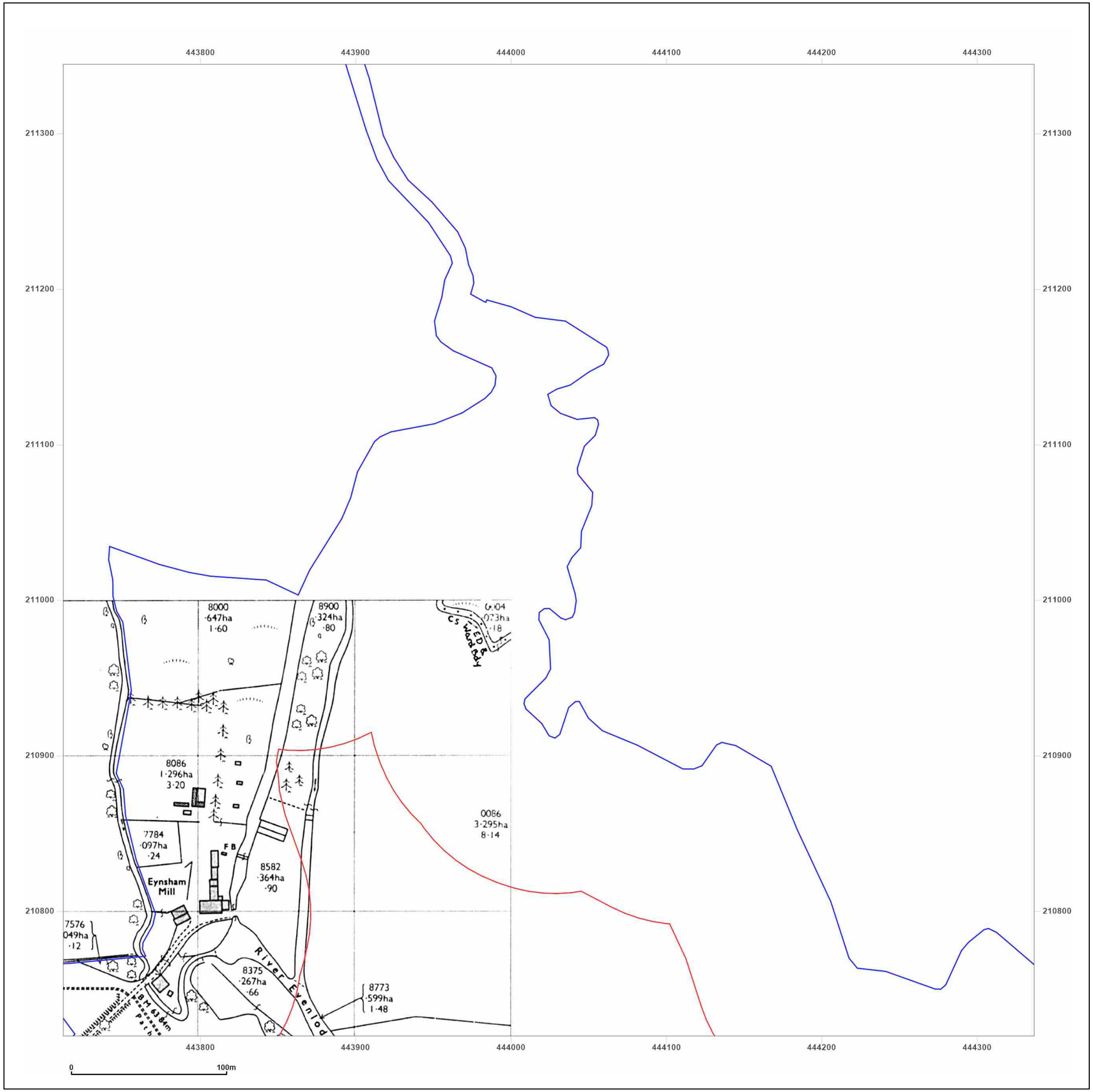
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: National Grid

Map date: **1985**

Scale: 1:2,500

Printed at: 1:2,500

N
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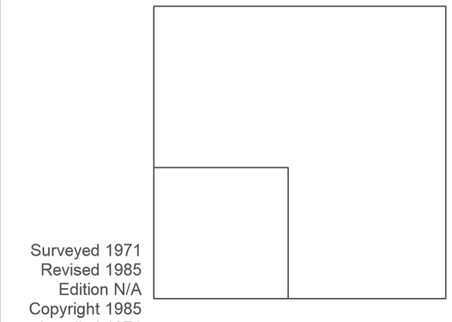

Surveyed 1971
Revised 1985
Edition N/A
Copyright 1985
Levelled 1971

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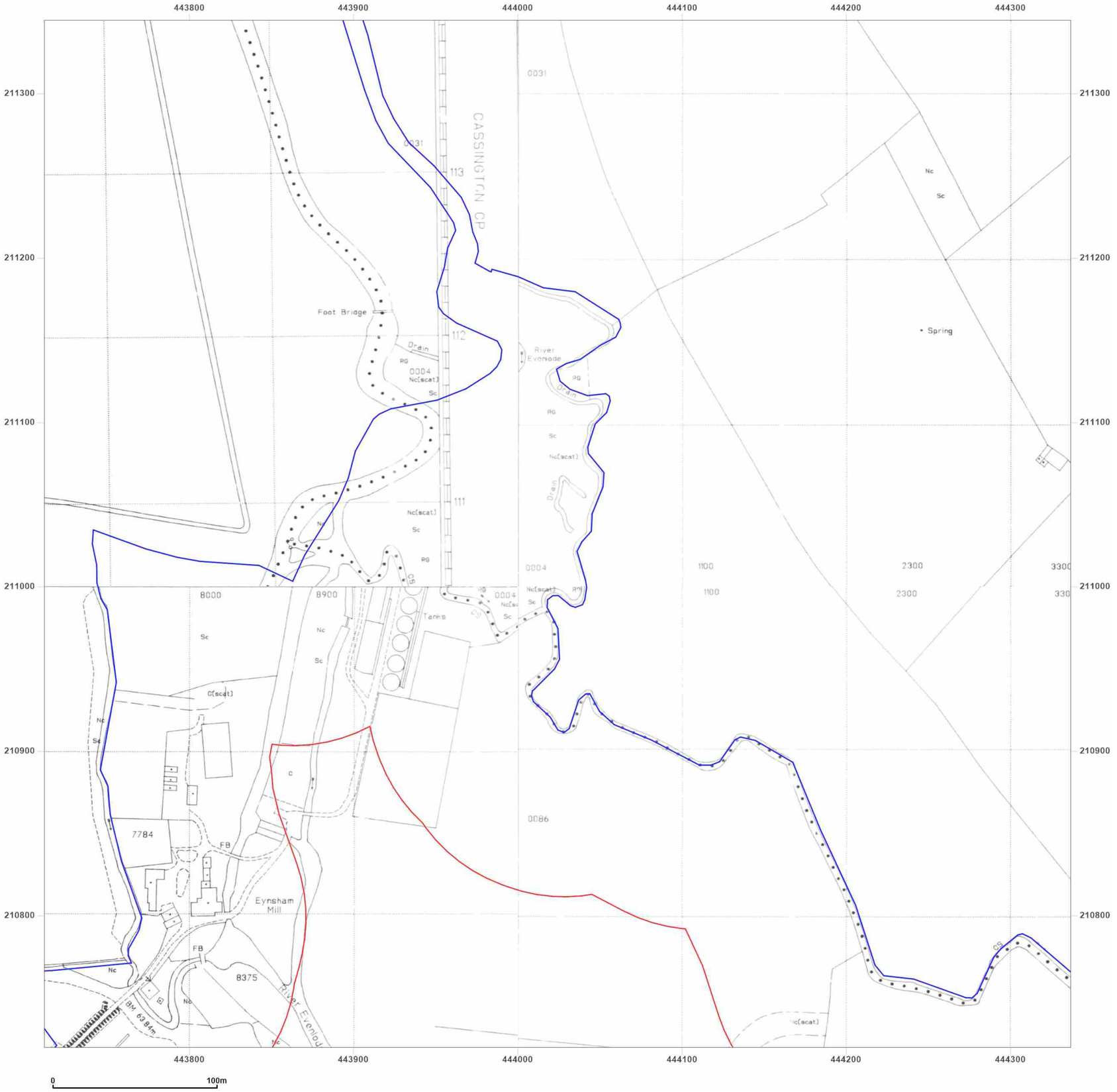
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_2
Grid Ref: 444024, 211032

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

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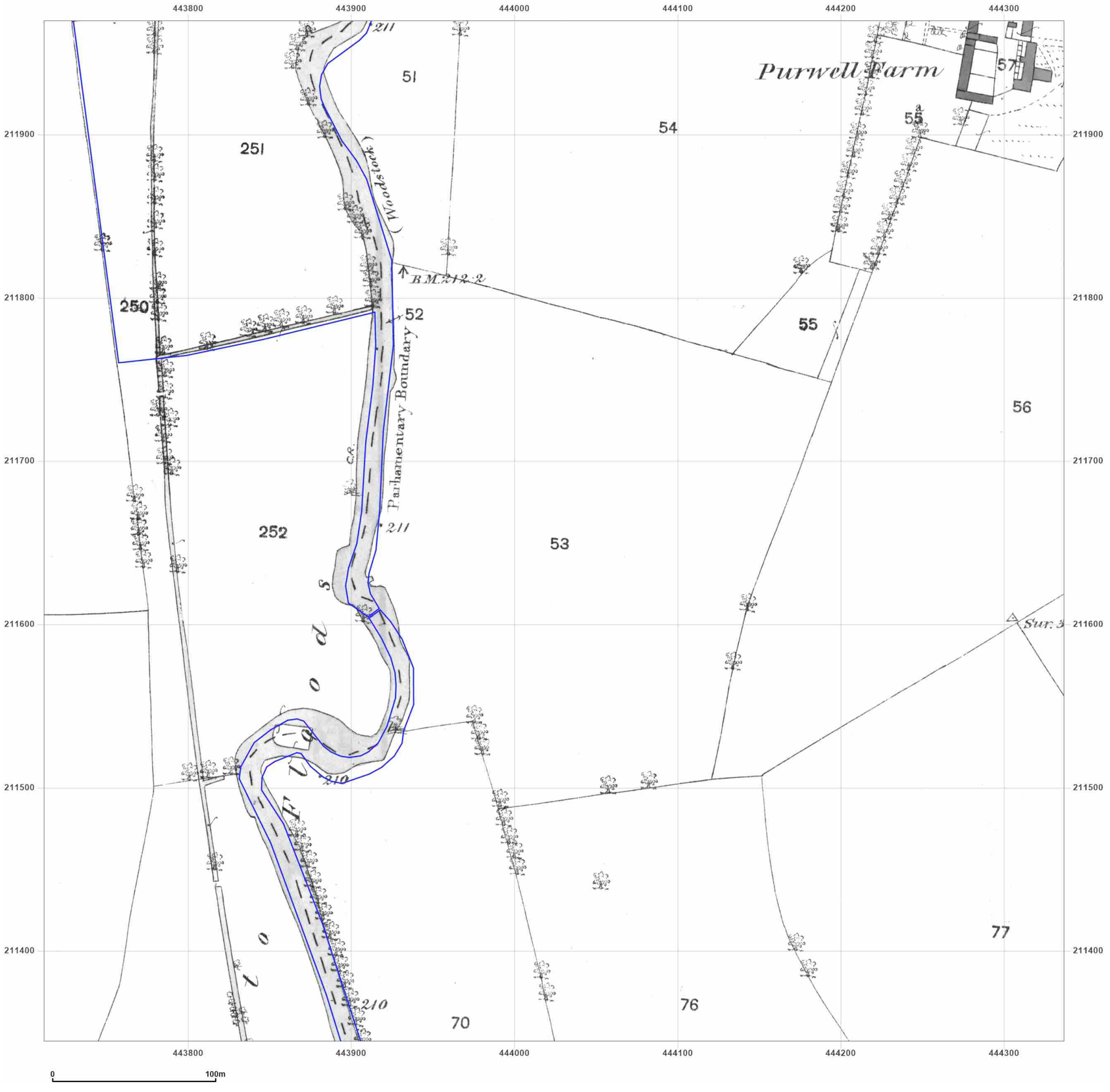
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_3
Grid Ref: 444024, 211657

Map Name: County Series

Map date: **1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

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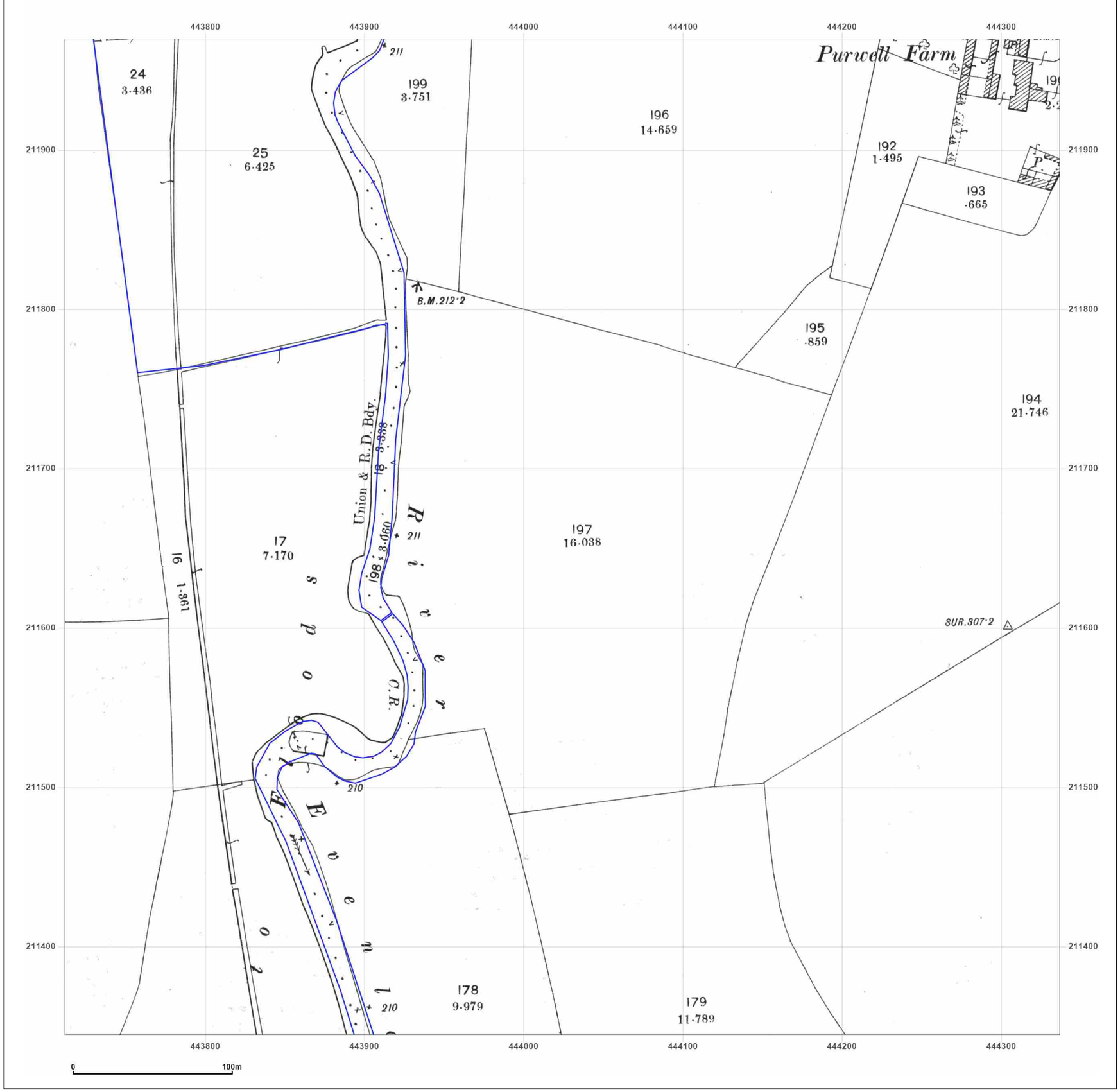
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_3
Grid Ref: 444024, 211657

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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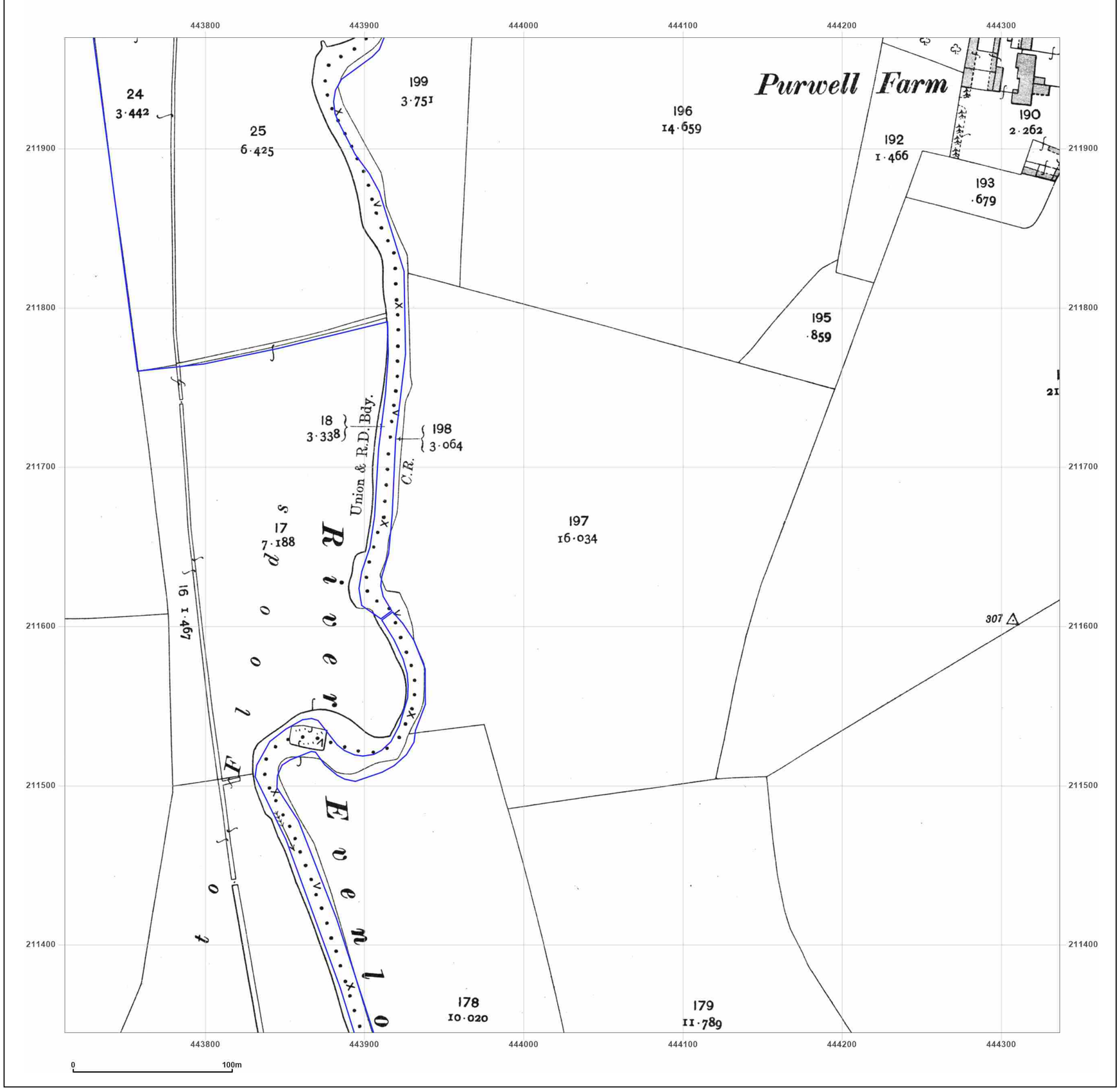
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_3
Grid Ref: 444024, 211657

Map Name: County Series
Map date: 1911
Scale: 1:2,500
Printed at: 1:2,500

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

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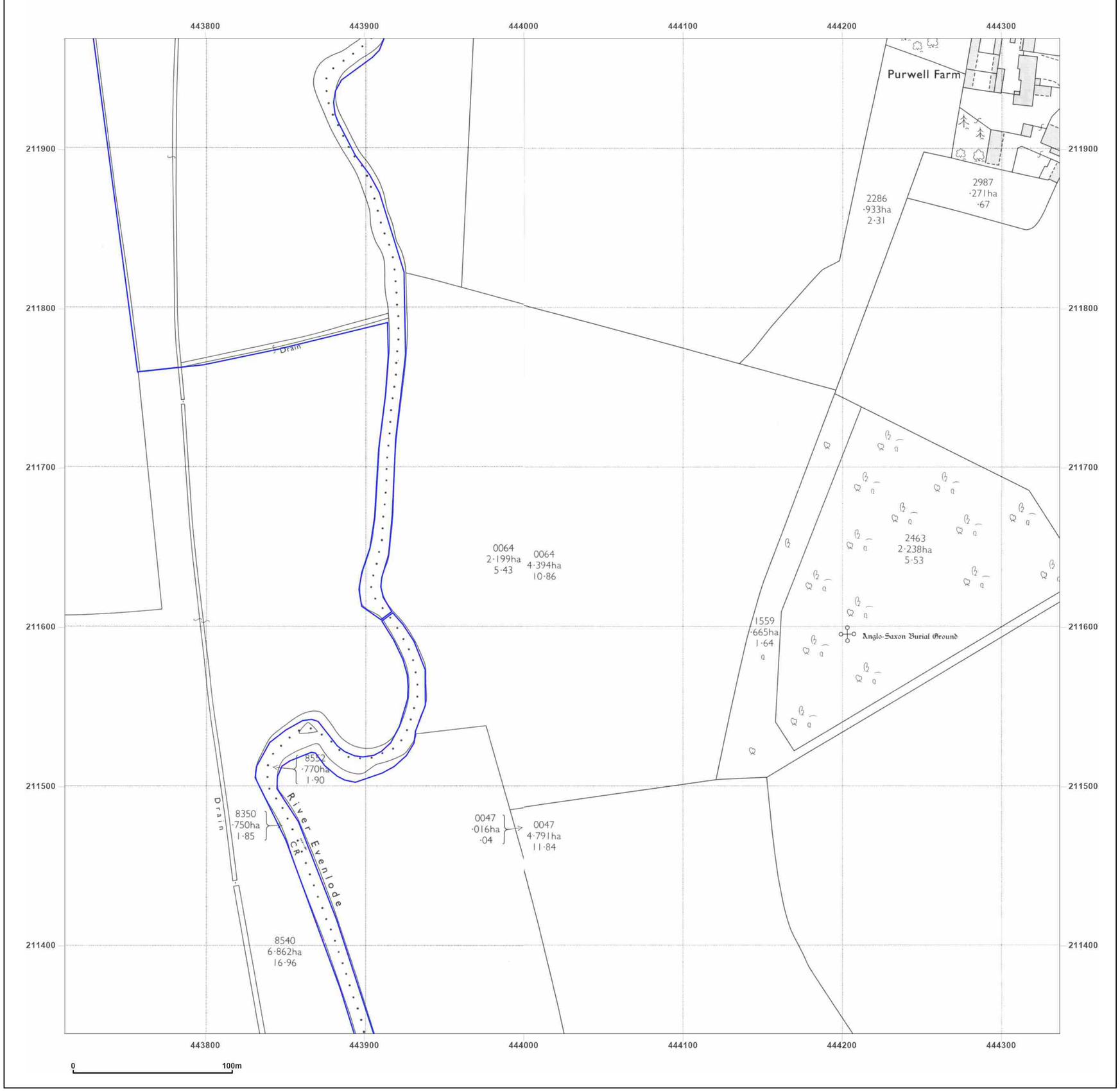
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_3
Grid Ref: 444024, 211657

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

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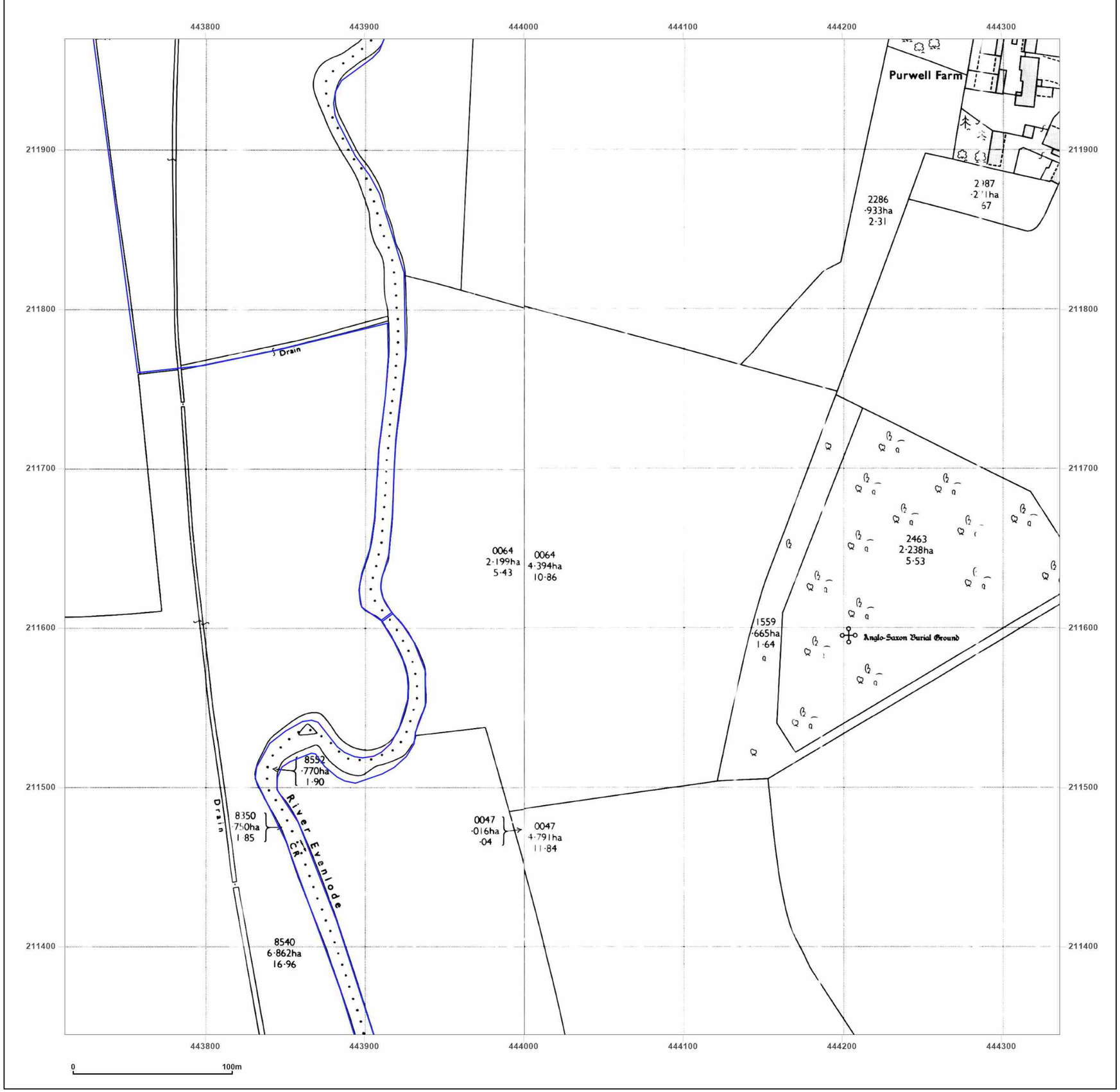
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_3
Grid Ref: 444024, 211657

Map Name: National Grid

Map date: **1974**

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

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

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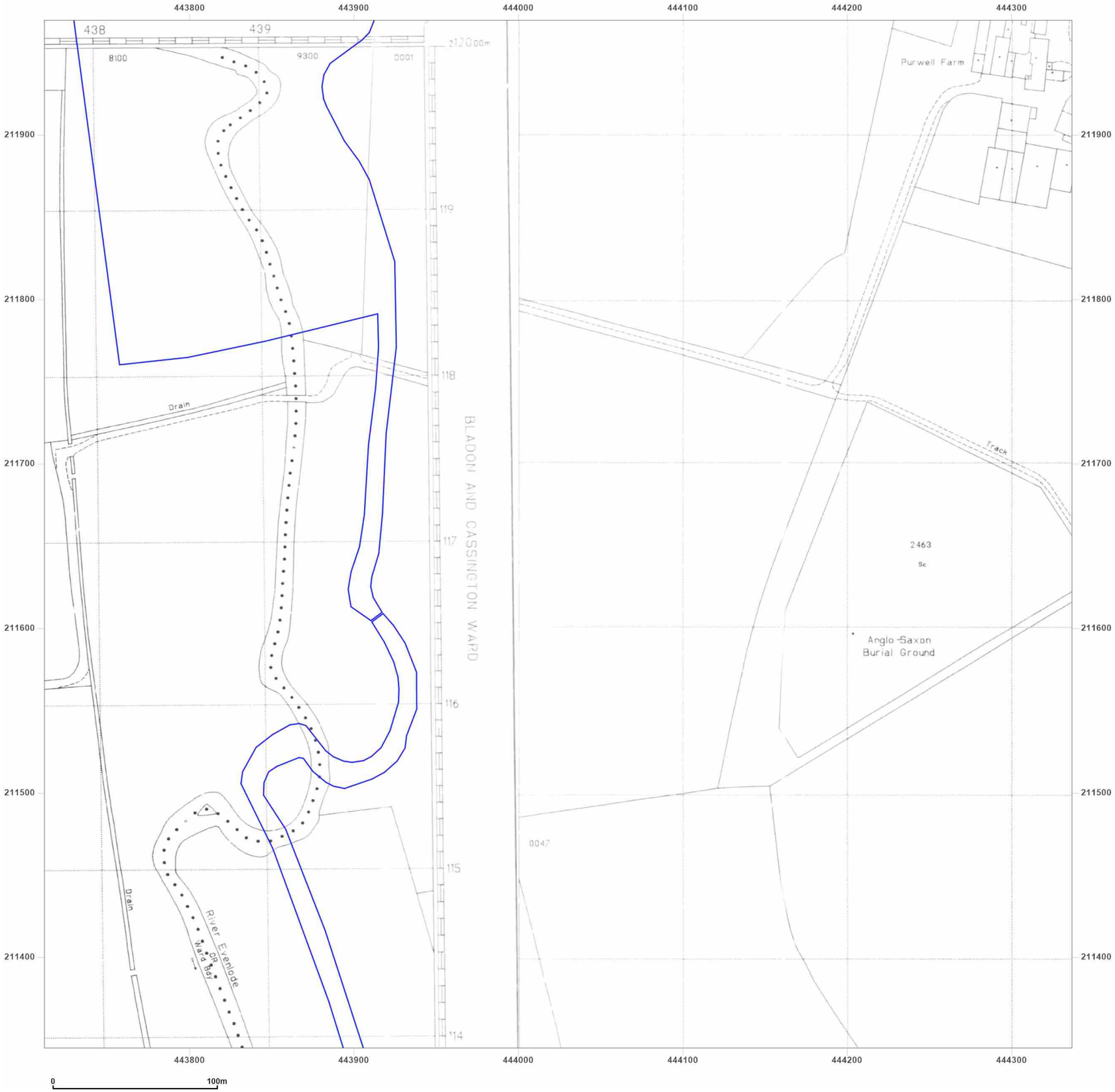
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_3
Grid Ref: 444024, 211657

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

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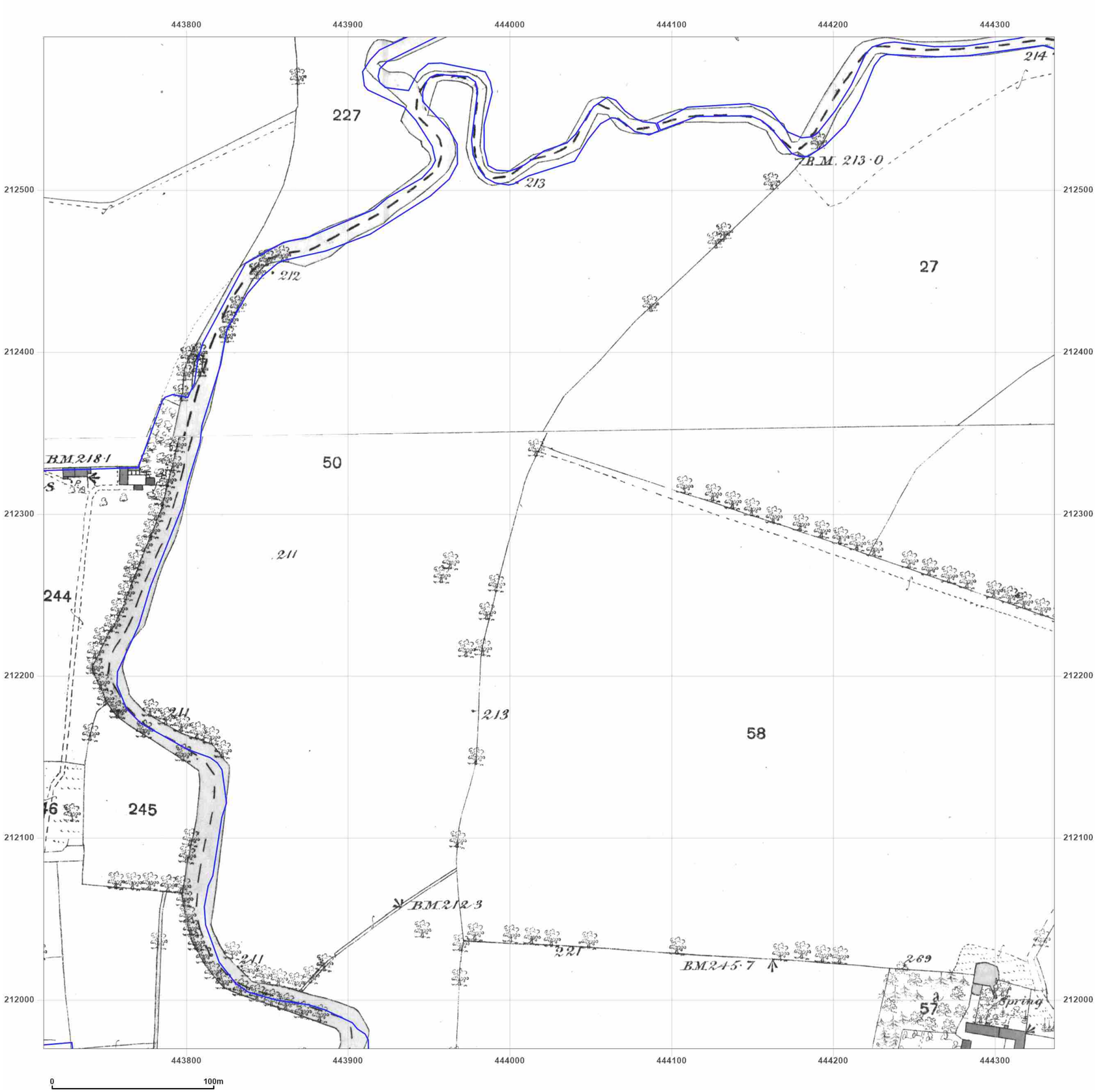
Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: County Series

Map date: **1880-1881**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1881
Revised 1881
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

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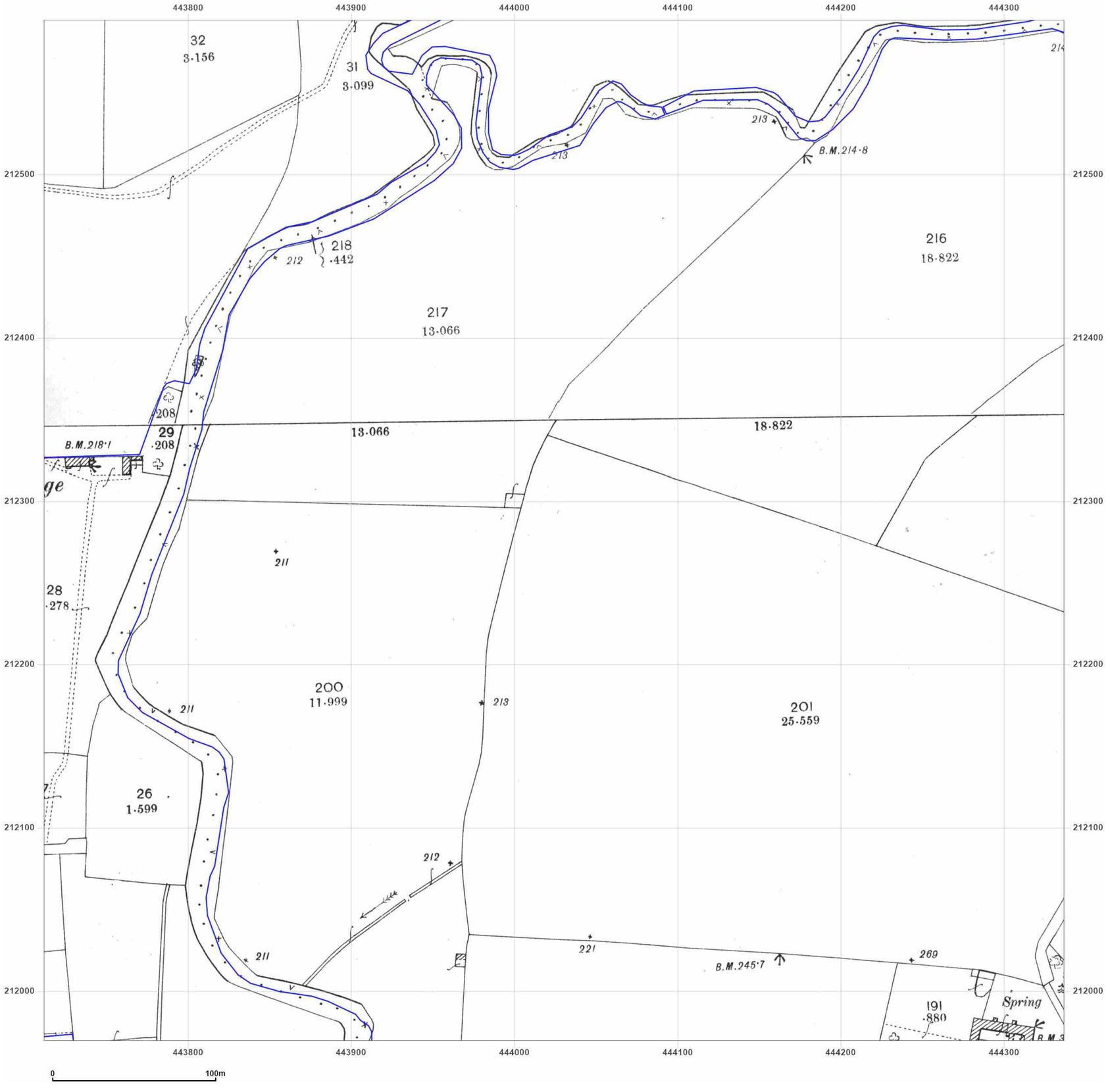
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: County Series

Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
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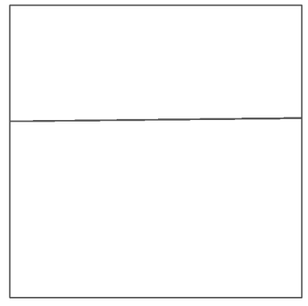
Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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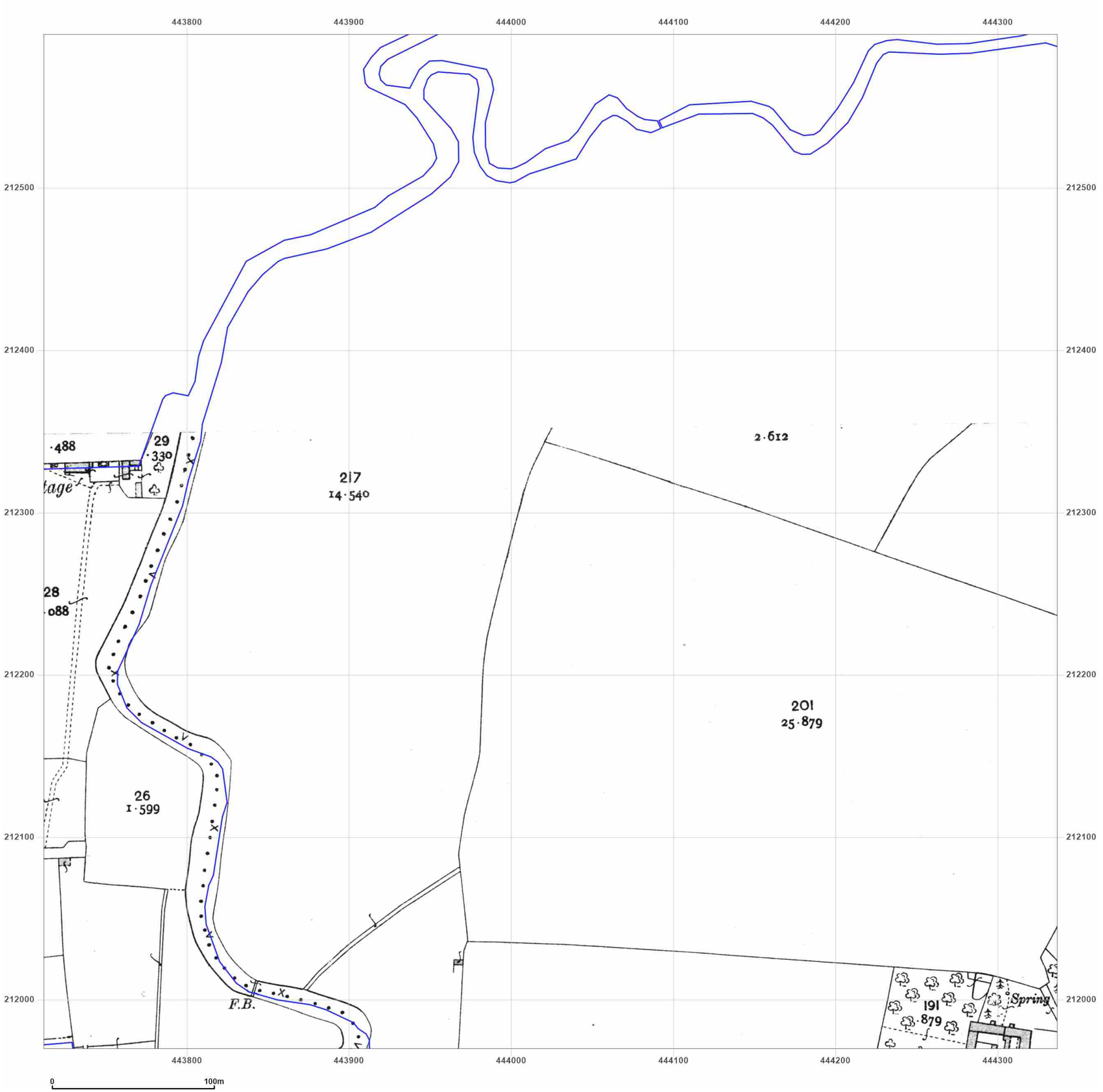
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: County Series

Map date: **1911**

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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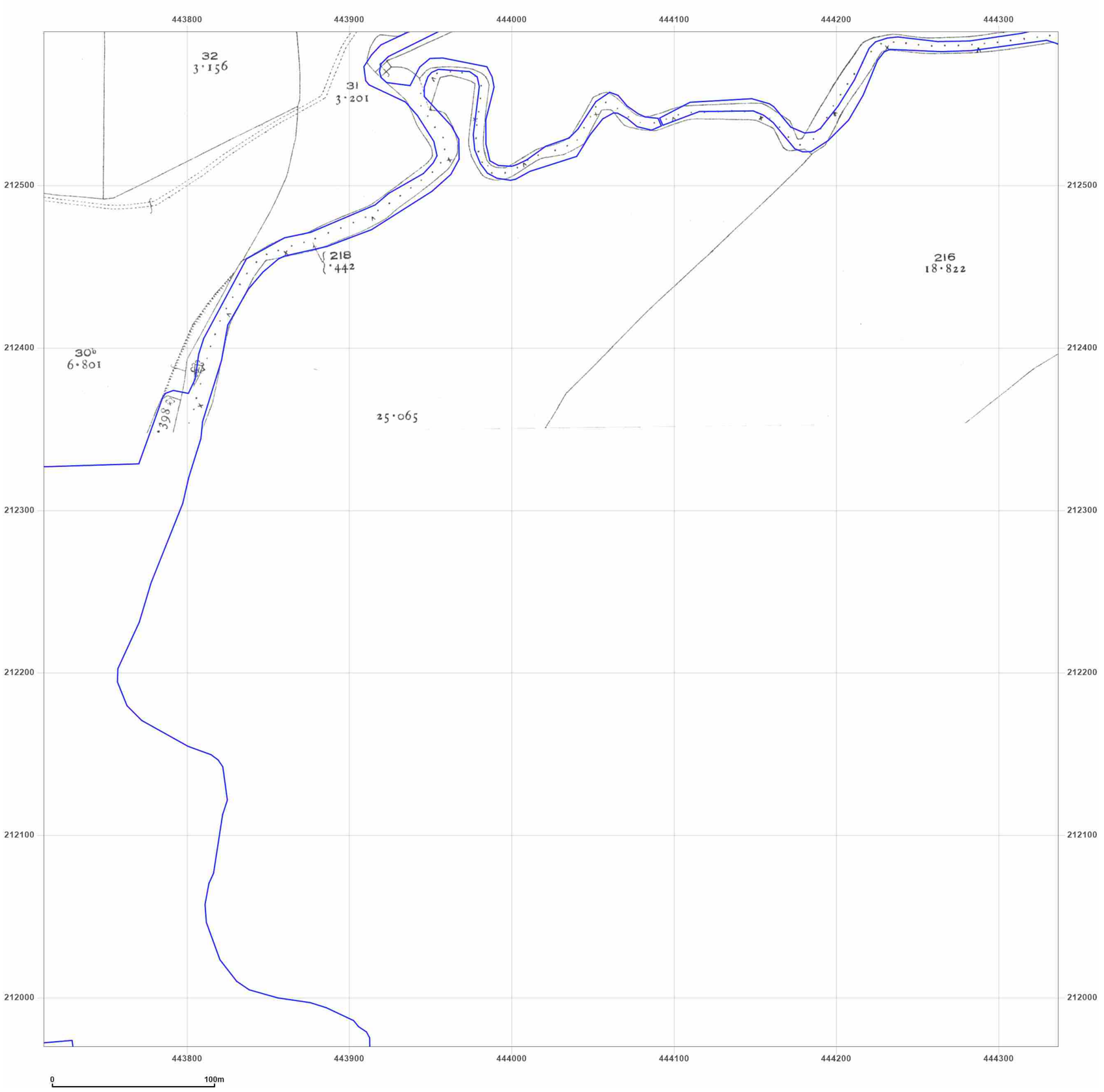
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: County Series

Map date: **1921**

Scale: 1:2,500

Printed at: 1:2,500

N
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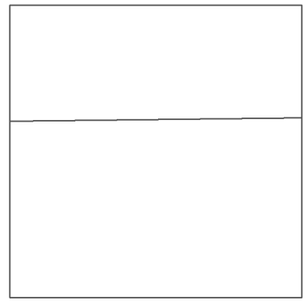
Surveyed 1921
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A



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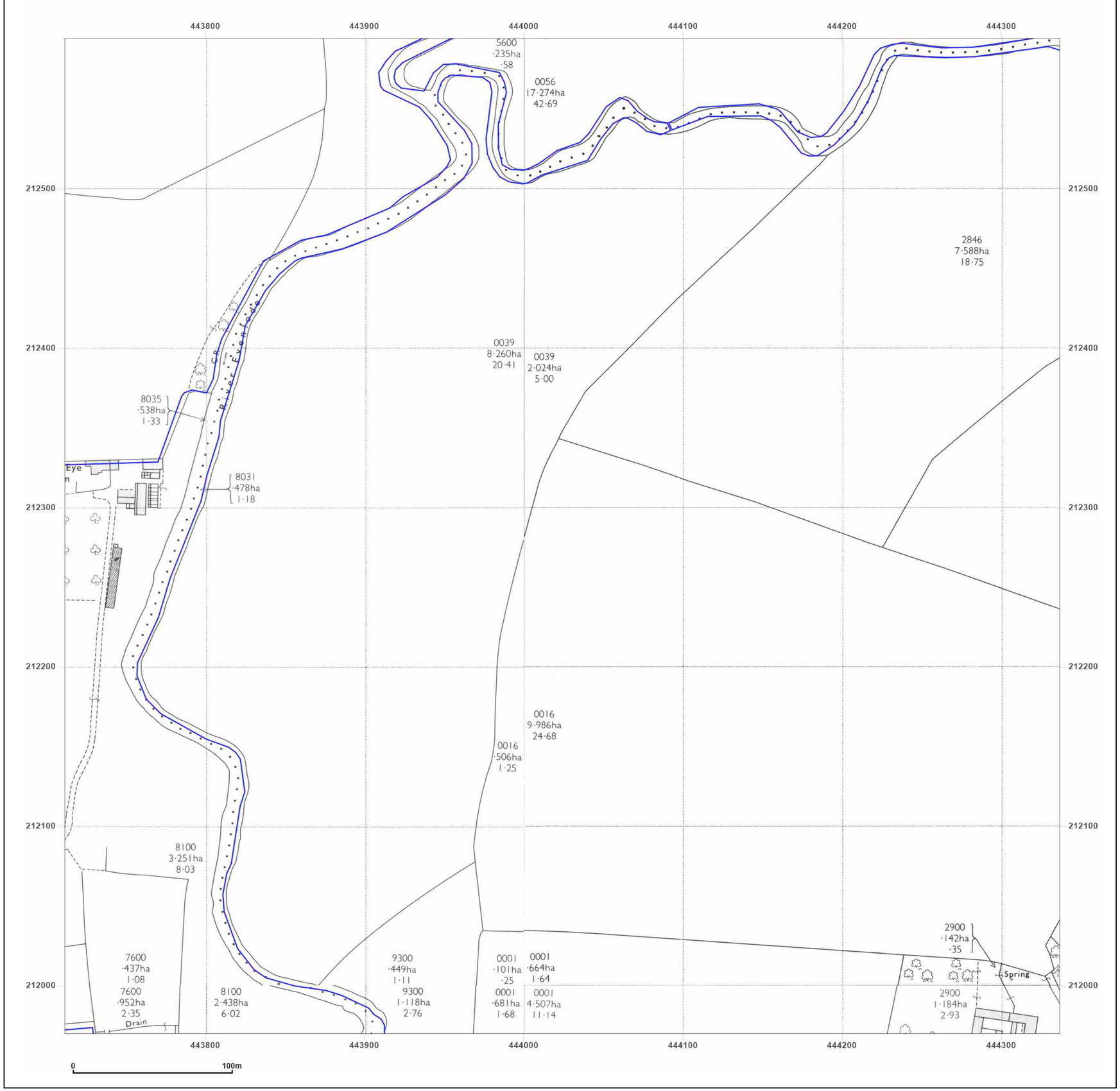
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: National Grid

Map date: **1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1974
Levelled 1971

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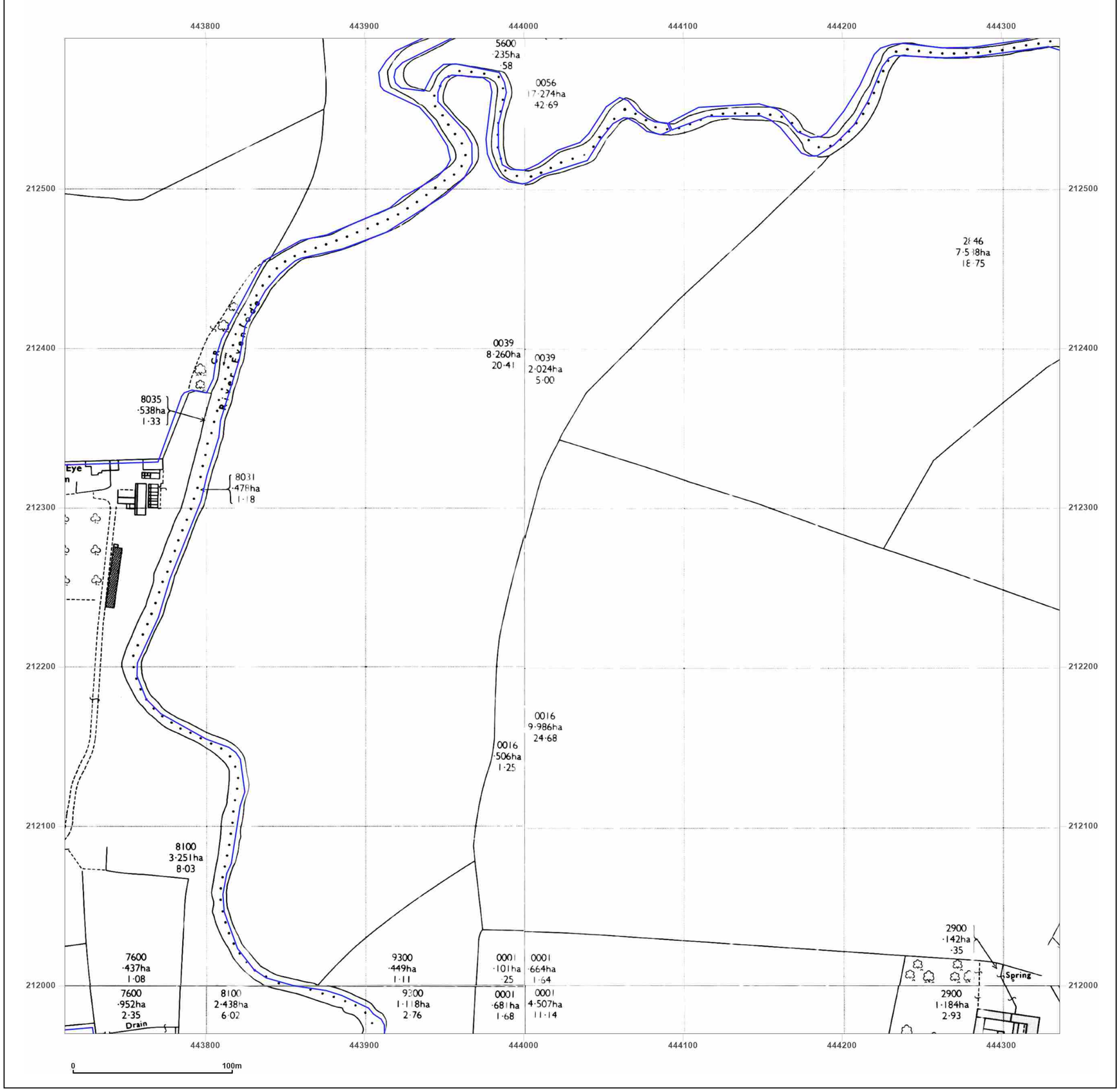
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: National Grid

Map date: **1974**

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

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

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

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

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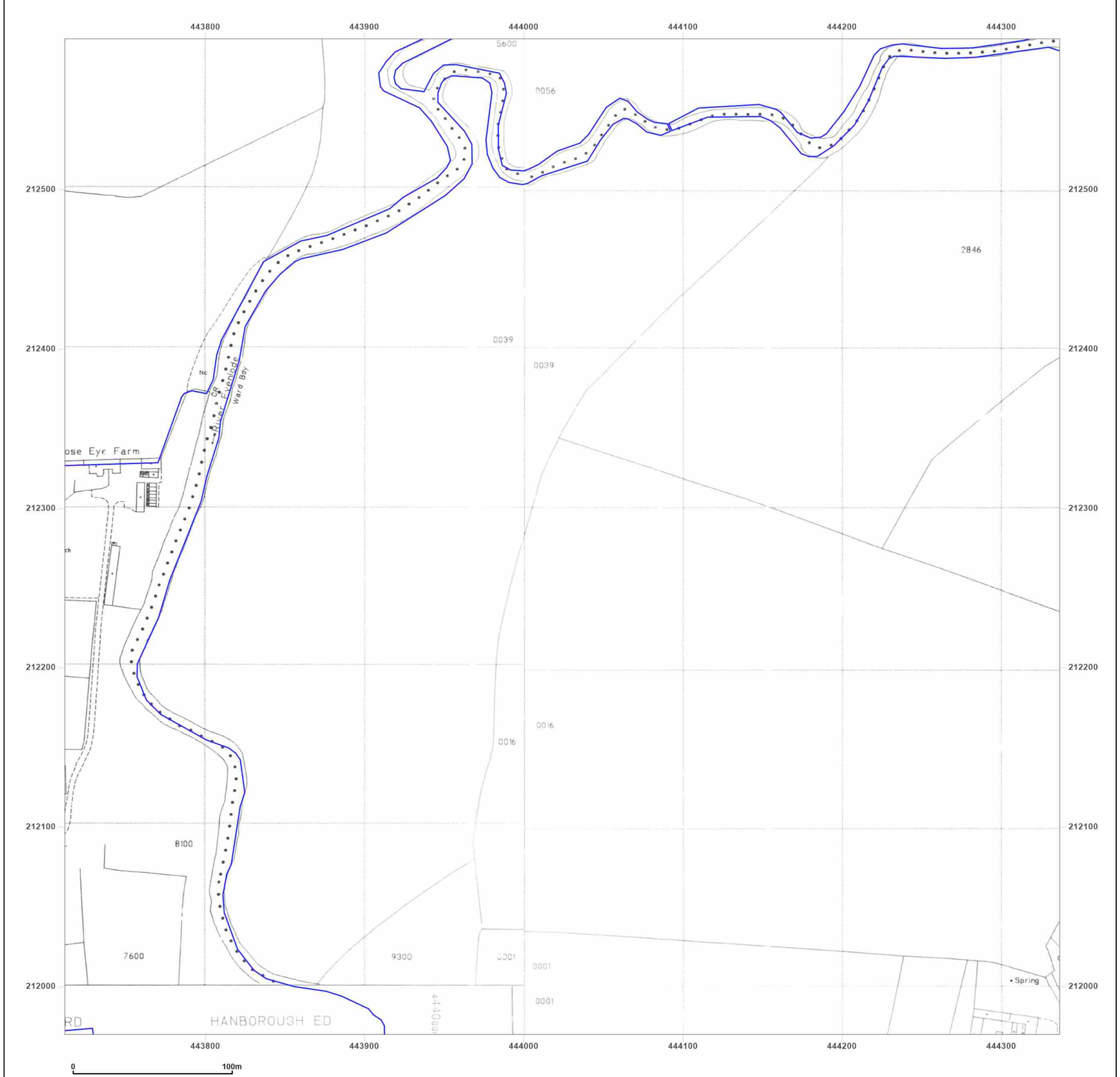
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_LS_3_4
Grid Ref: 444024, 212282

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1994
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A

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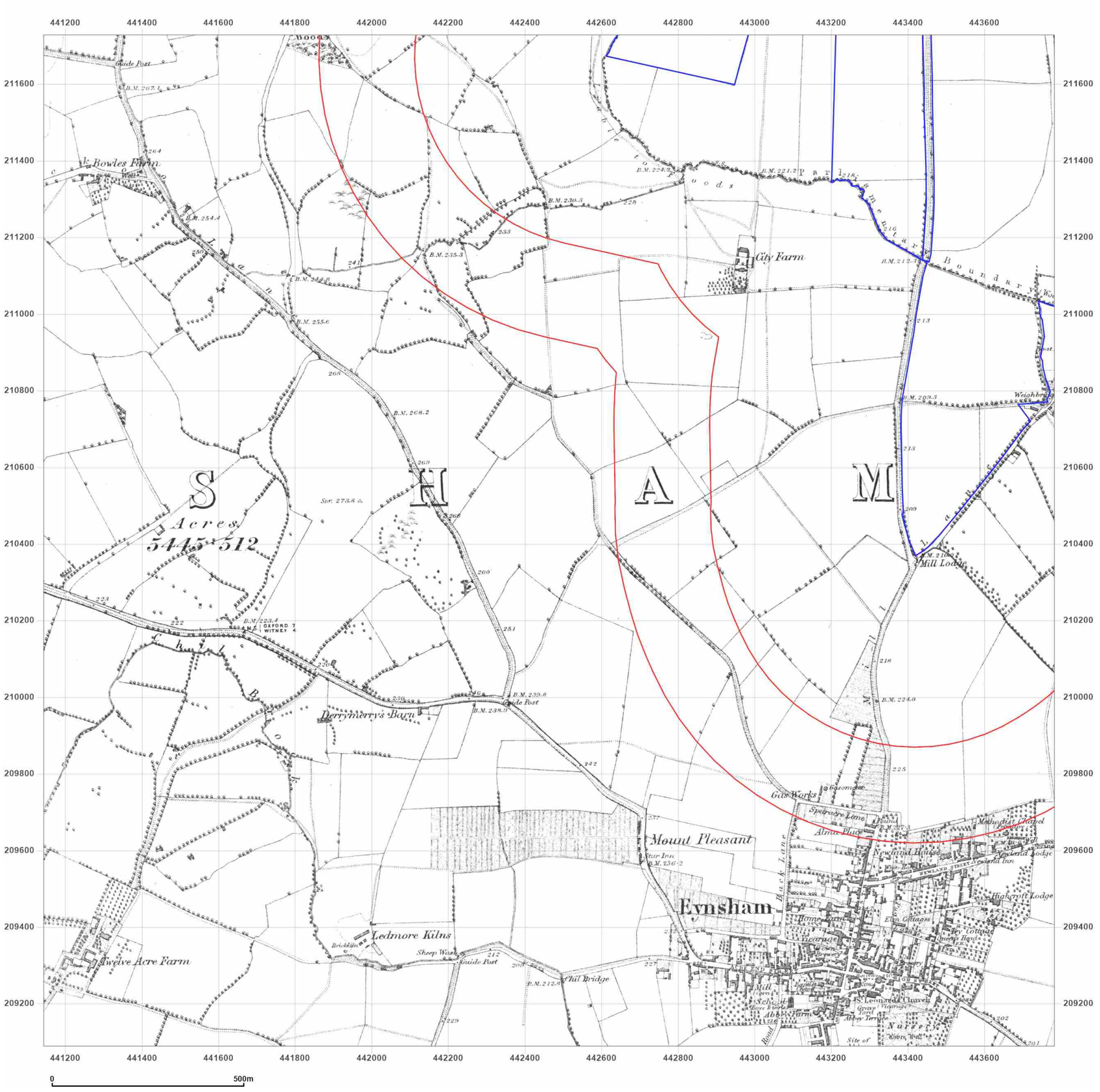
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

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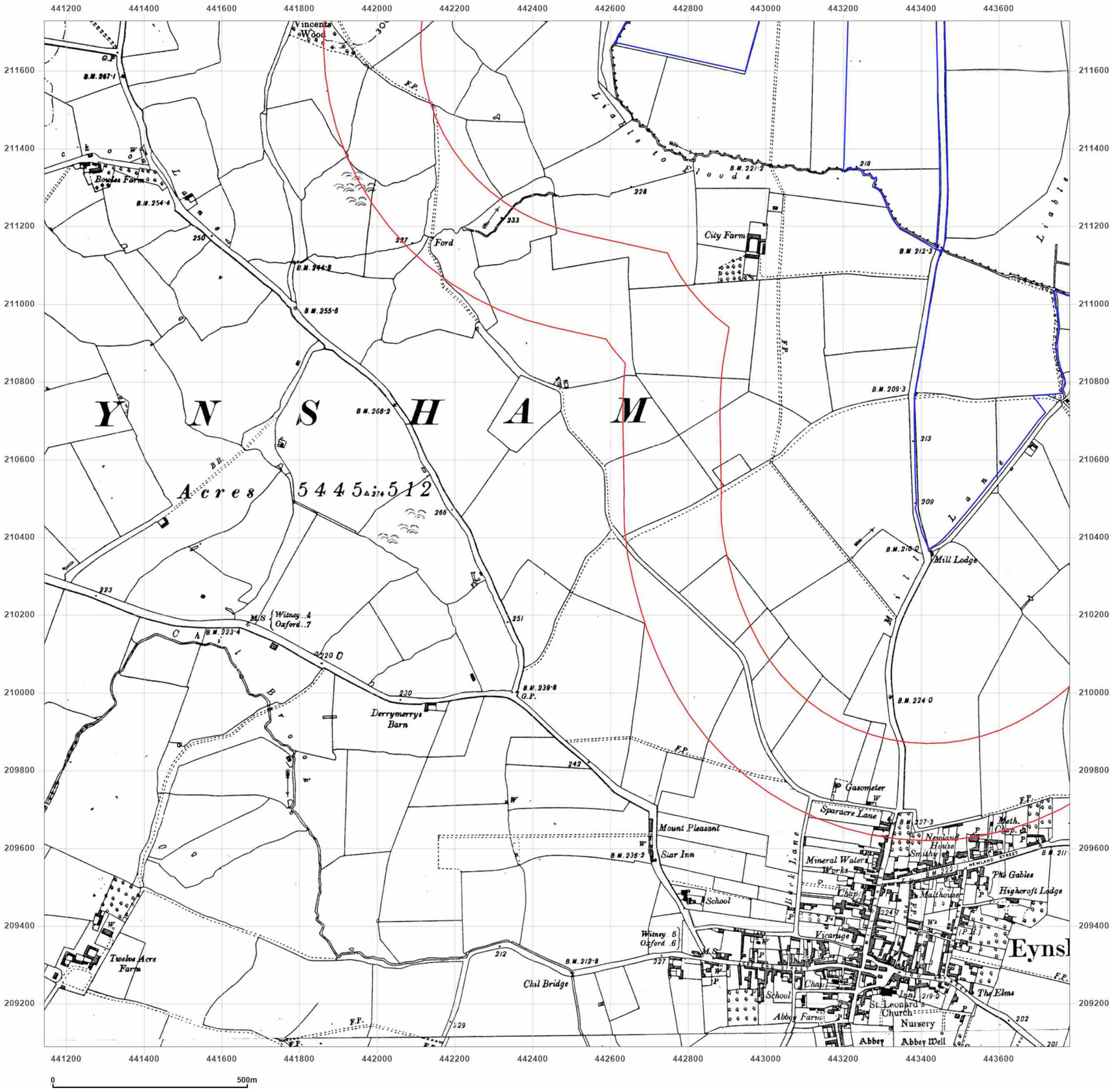
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560

N
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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
Copyright N/A
Levelled N/A

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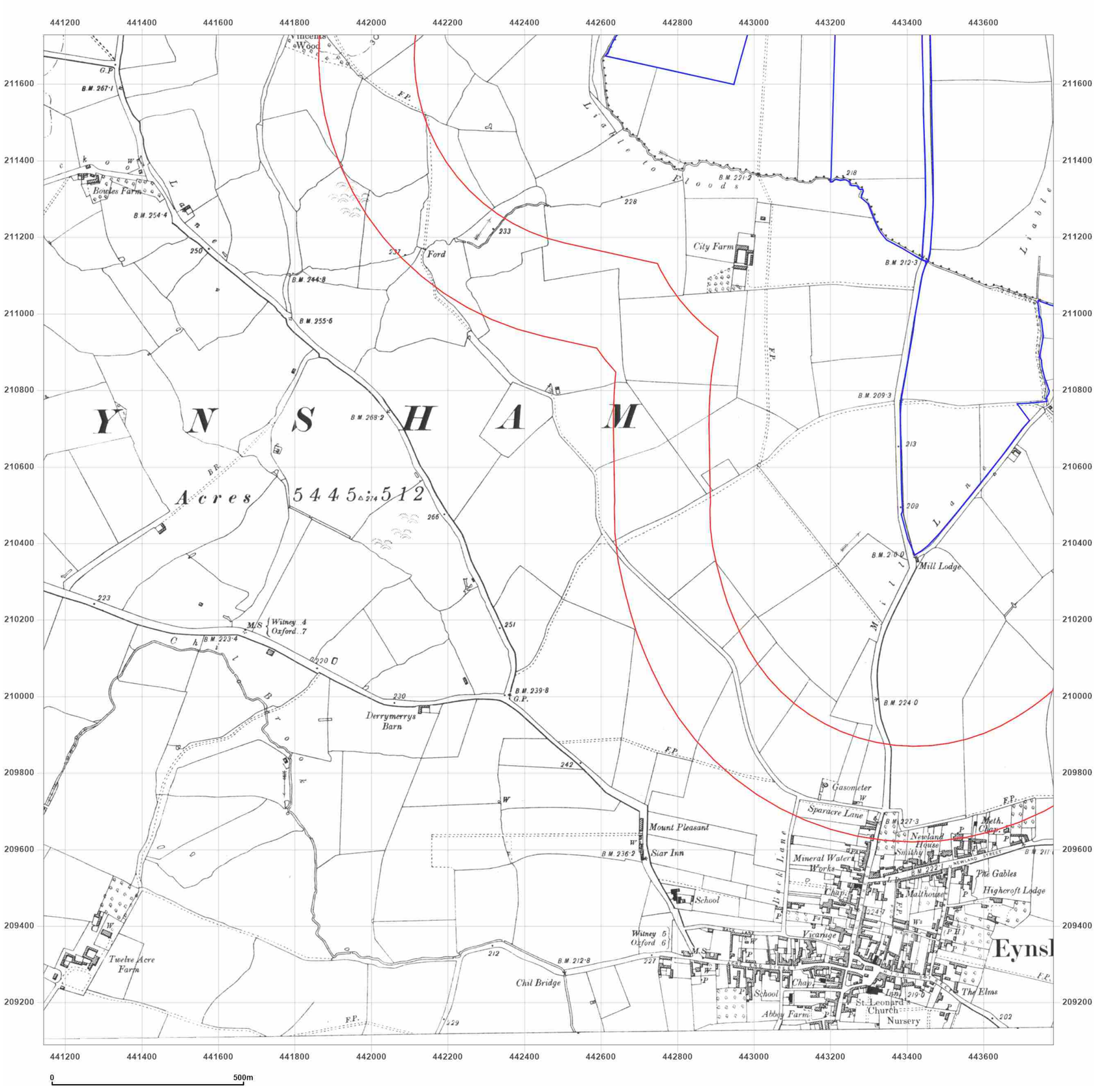
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: **1900**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

Powered by OS

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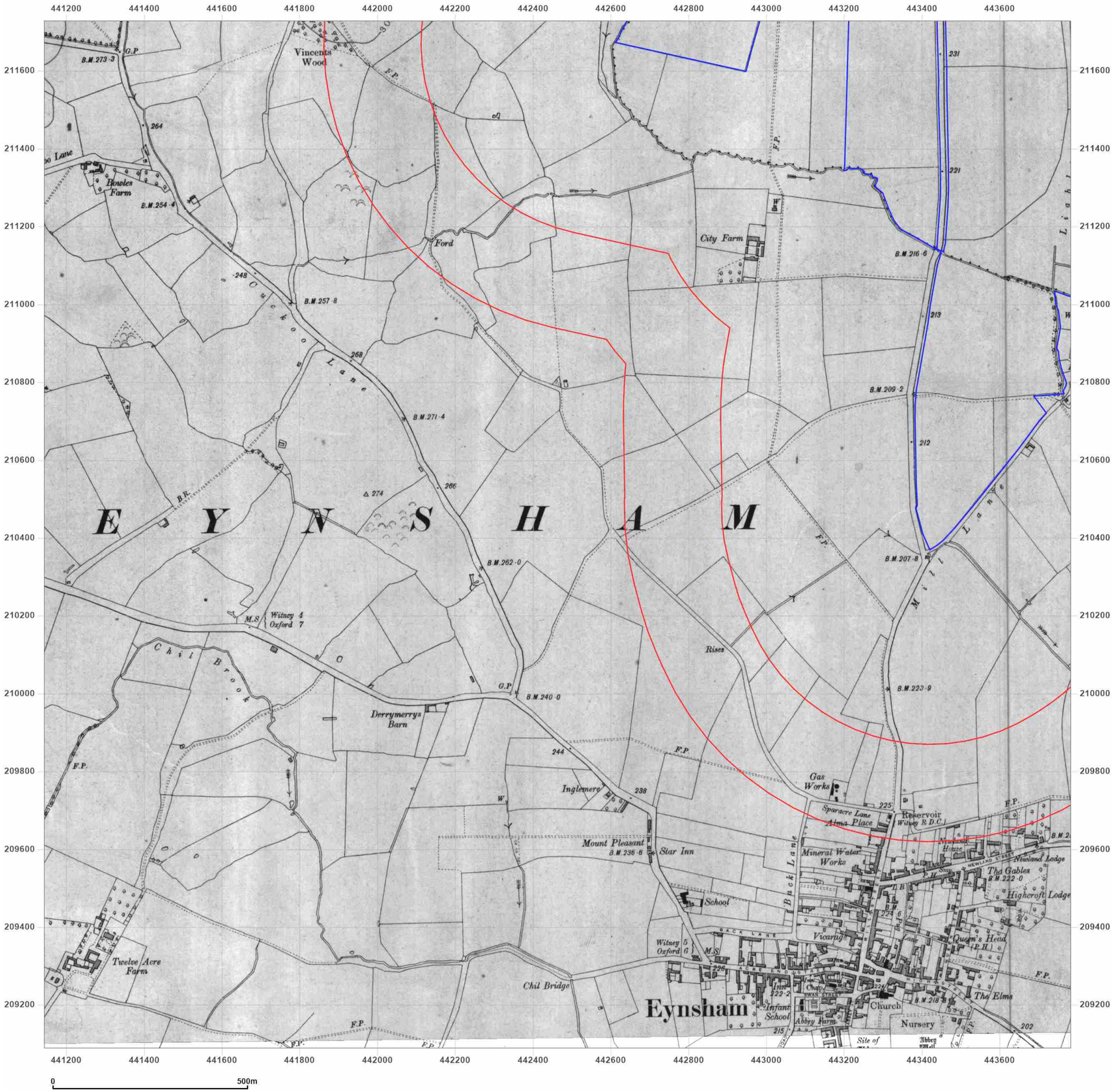
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: **1911**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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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
Copyright N/A
Levelled N/A

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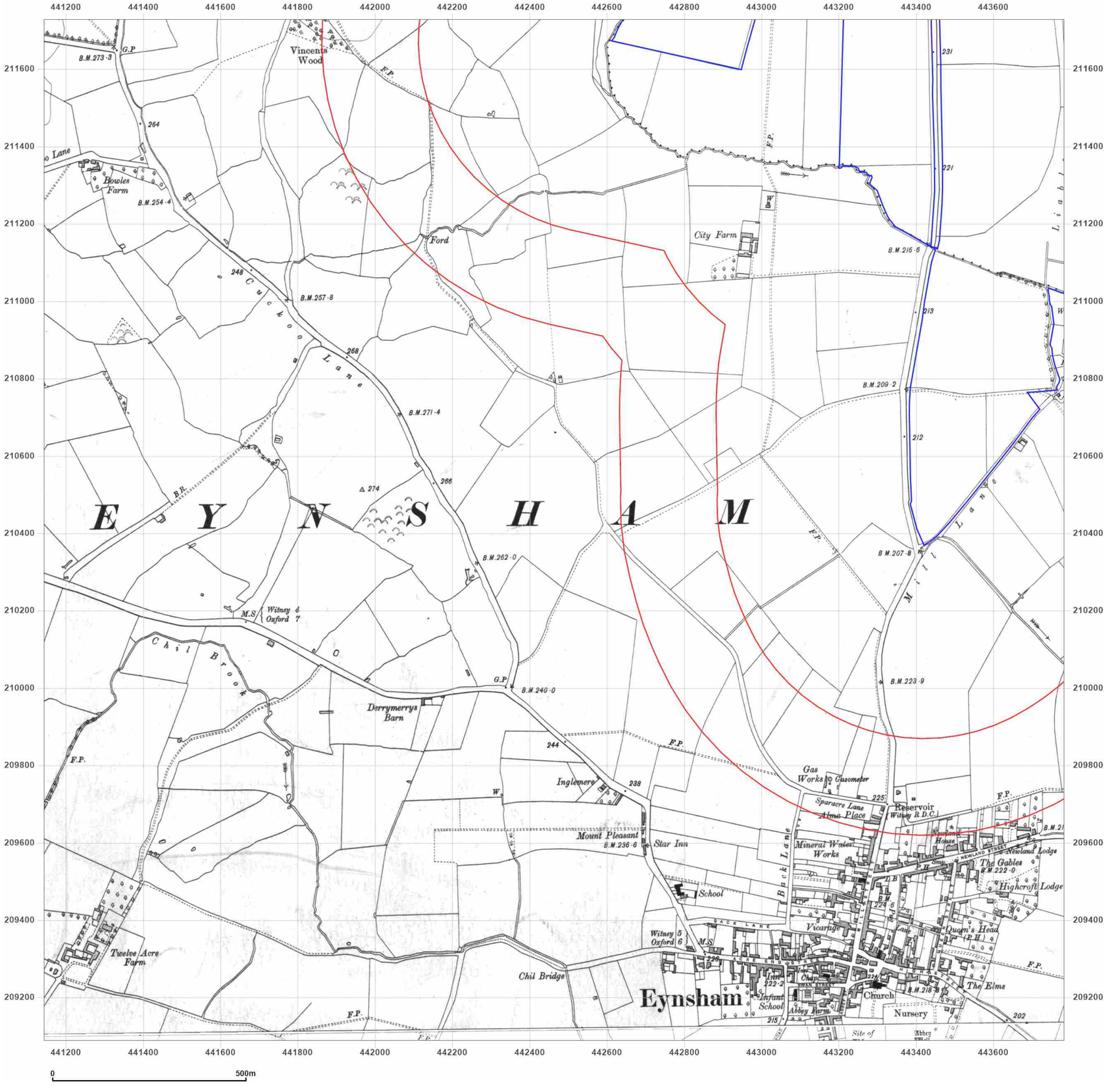
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: **1914**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised N/A
Edition 1914
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1914
Edition 1914
Copyright N/A
Levelled N/A

Powered by OS

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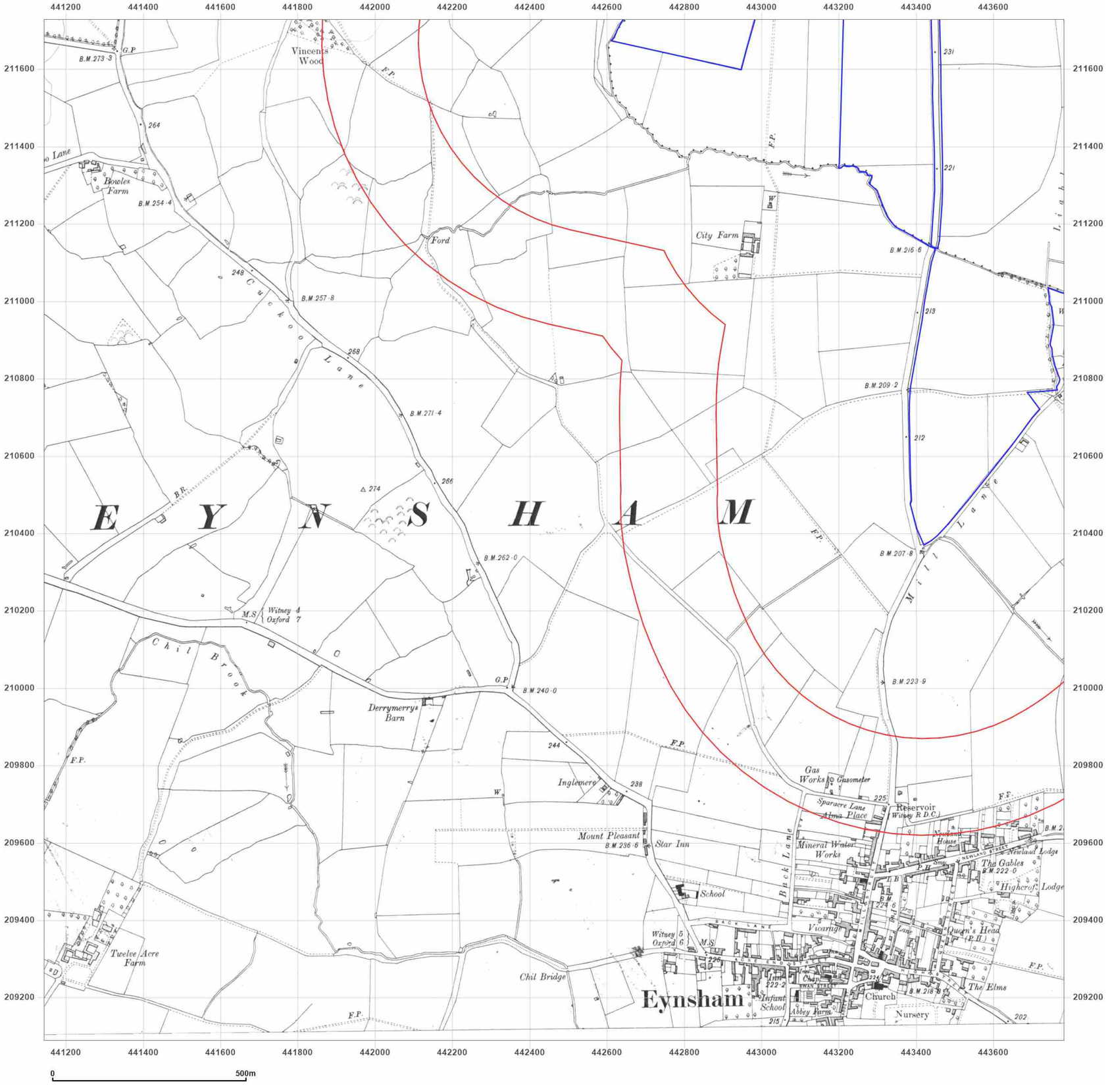
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: **1914**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1872
Revised 1914
Edition 1914
Copyright N/A
Levelled N/A

Powered by OS

Produced by
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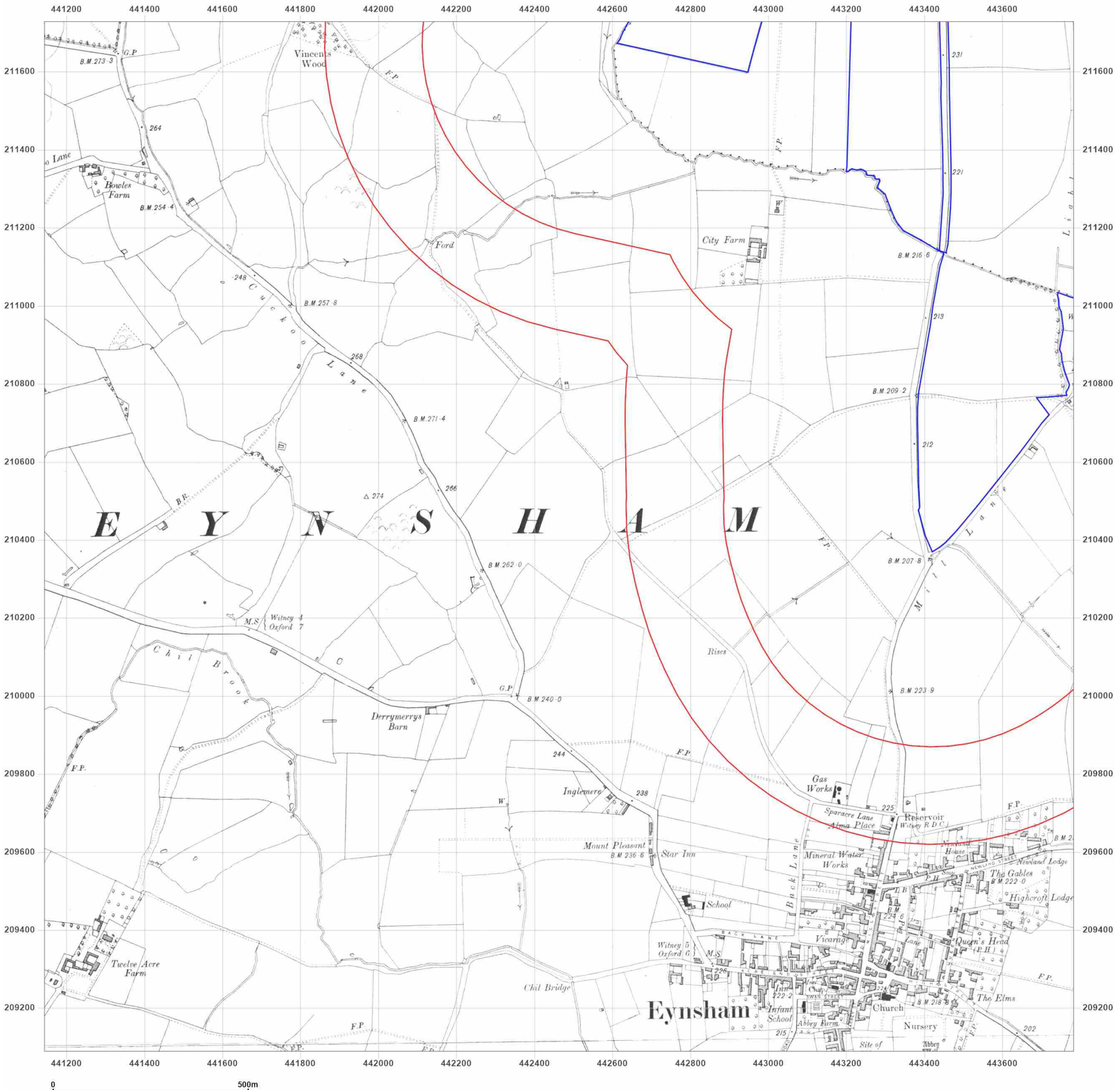
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: County Series

Map date: **1922**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1872
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

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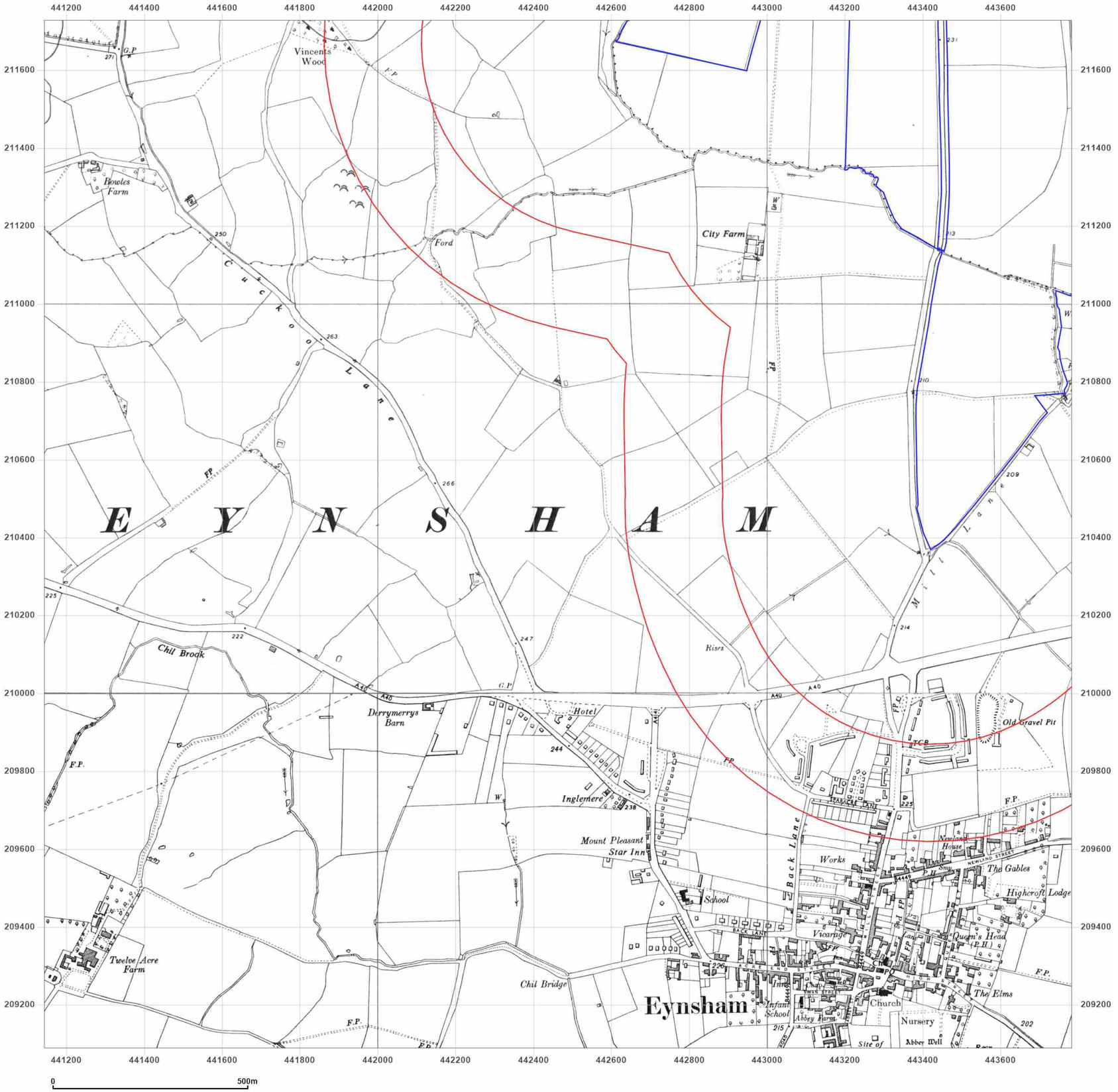
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: Provisional
Map date: **1955-1956**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1954
Edition 1955
Copyright N/A
Levelled N/A

Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled N/A

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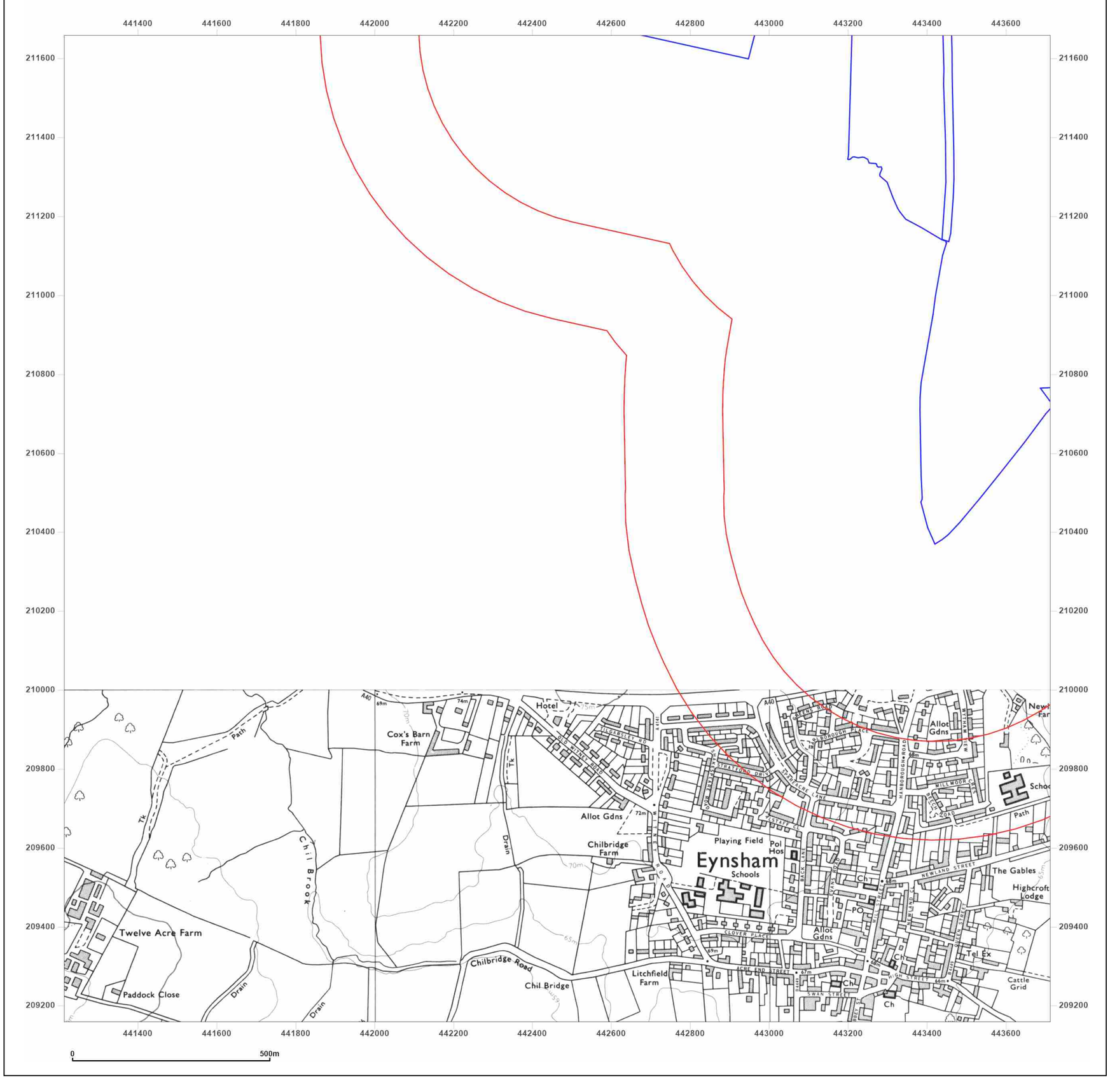
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: National Grid

Map date: **1972**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1970
Revised 1972
Edition N/A
Copyright 1972
Levelled 1971

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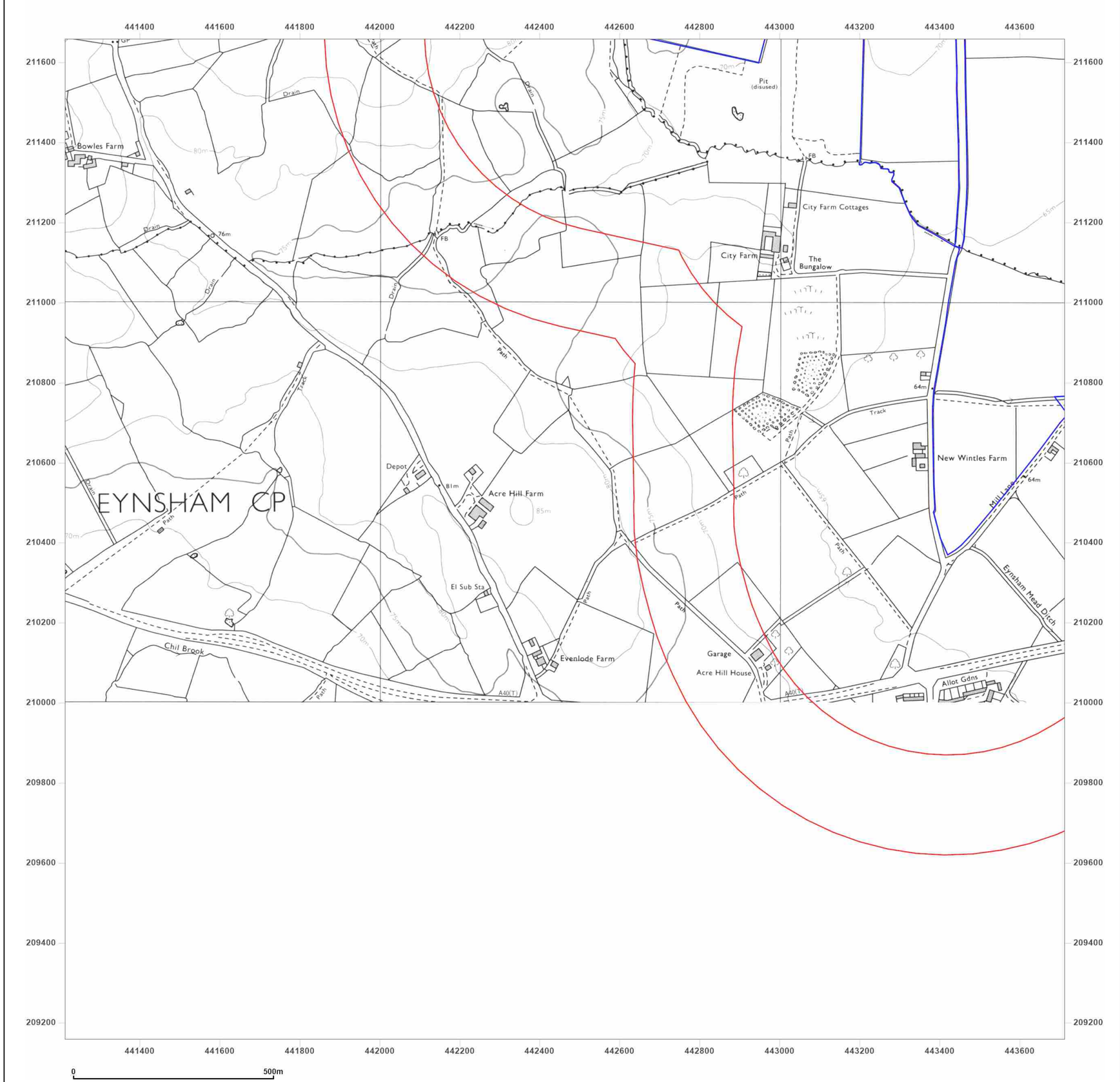
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: National Grid

Map date: **1980**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1972
Revised 1979
Edition N/A
Copyright 1980
Levelled 1974

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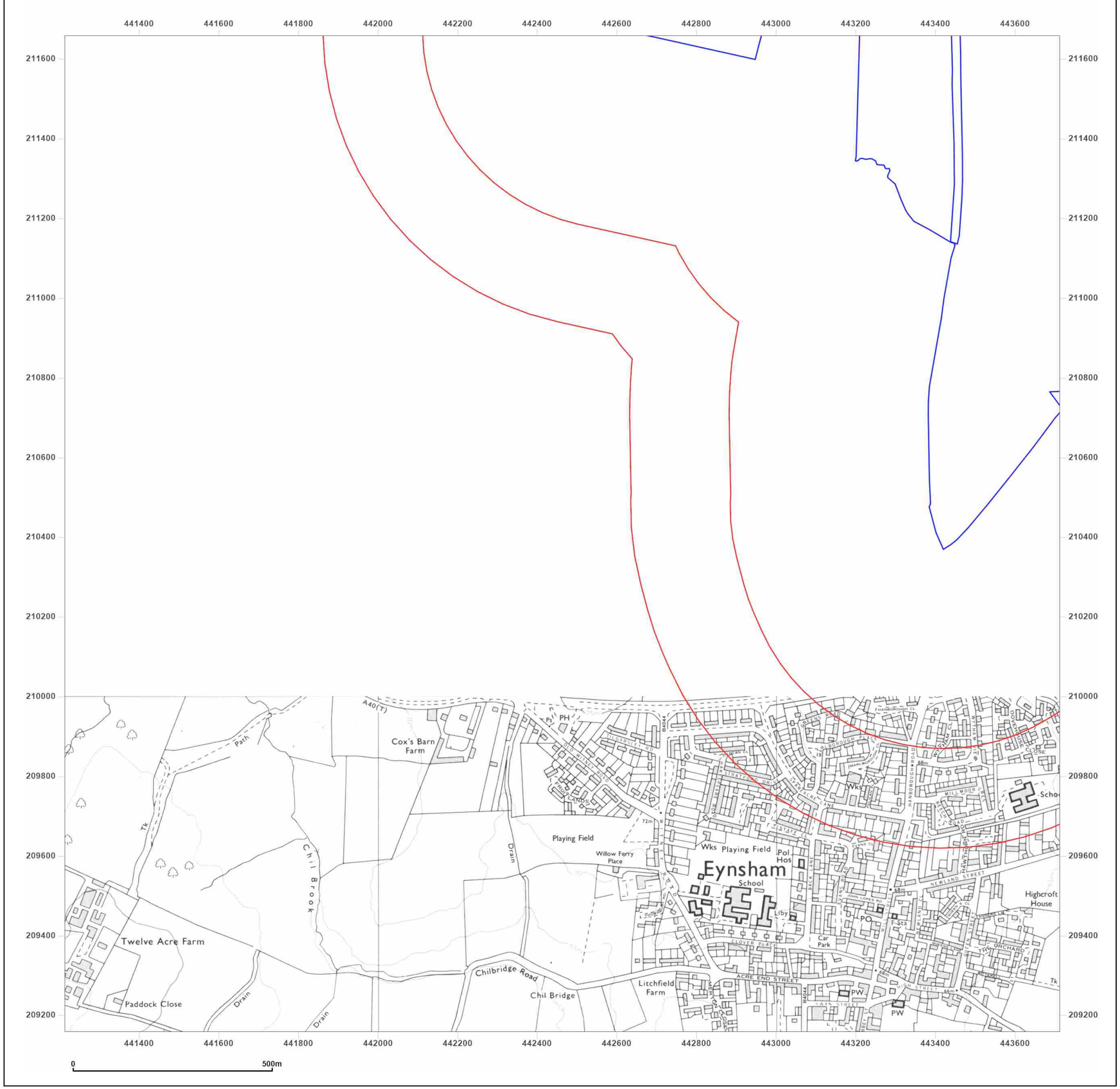
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: National Grid

Map date: **1988**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1983
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

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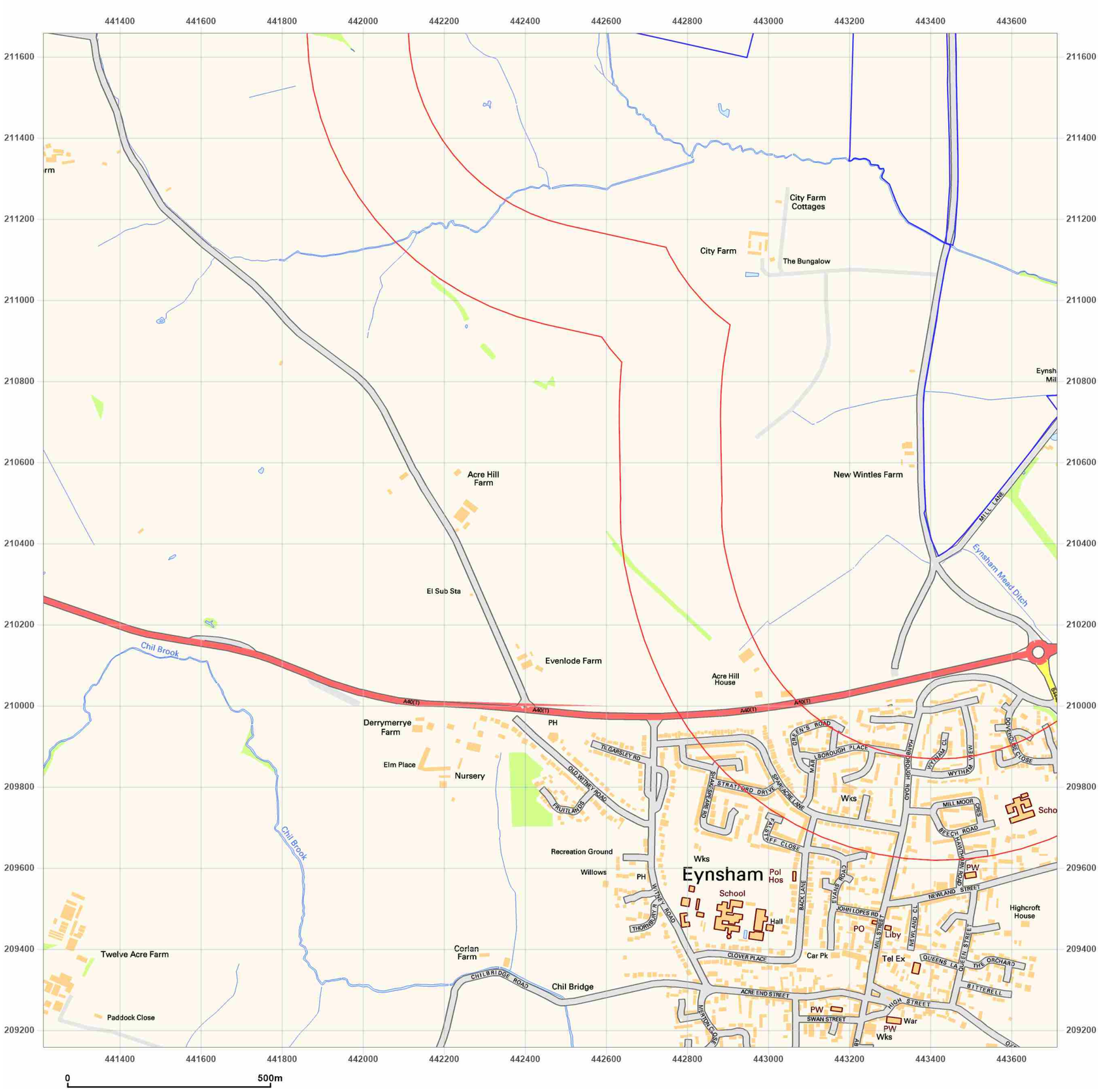
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

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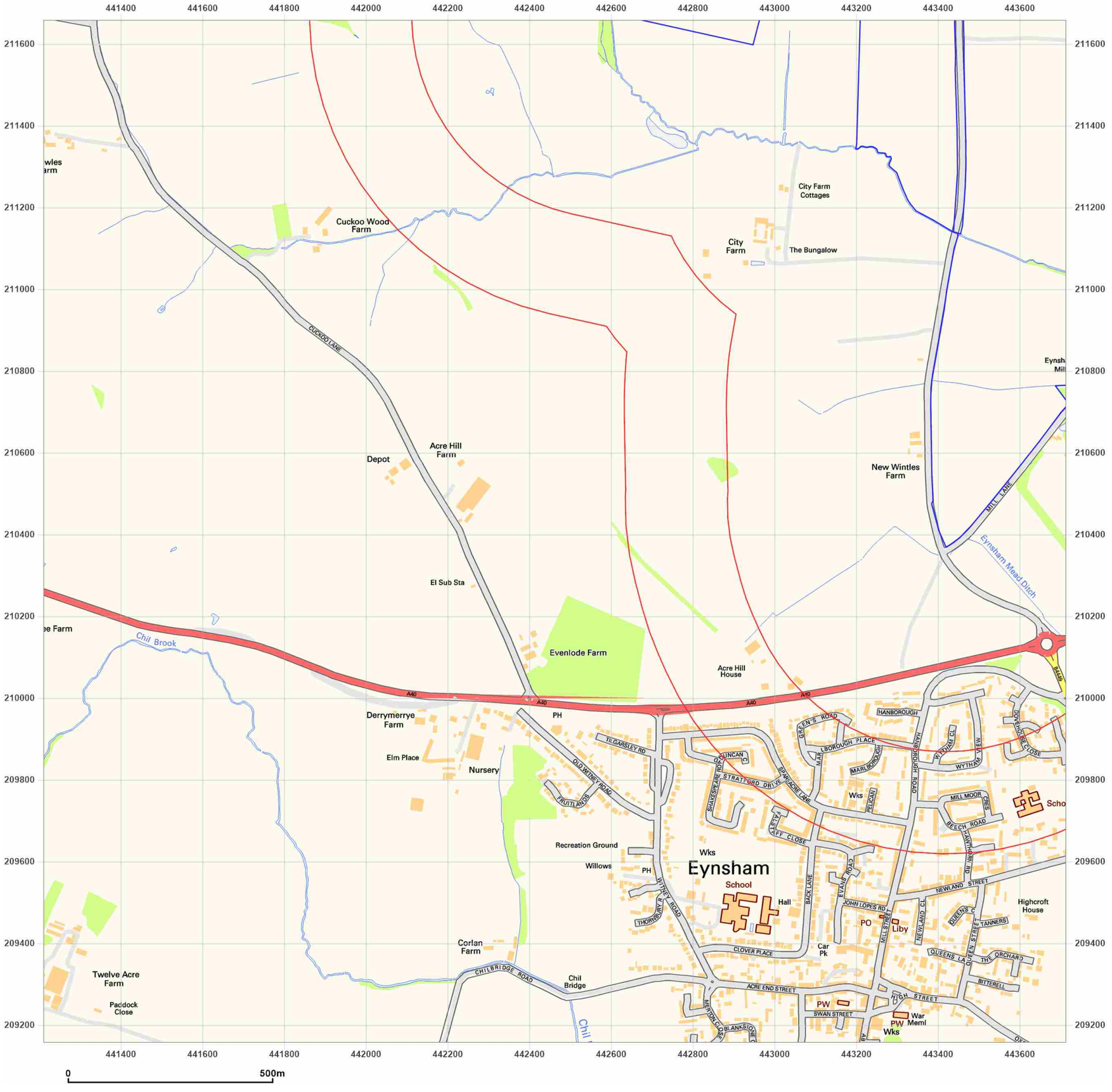
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

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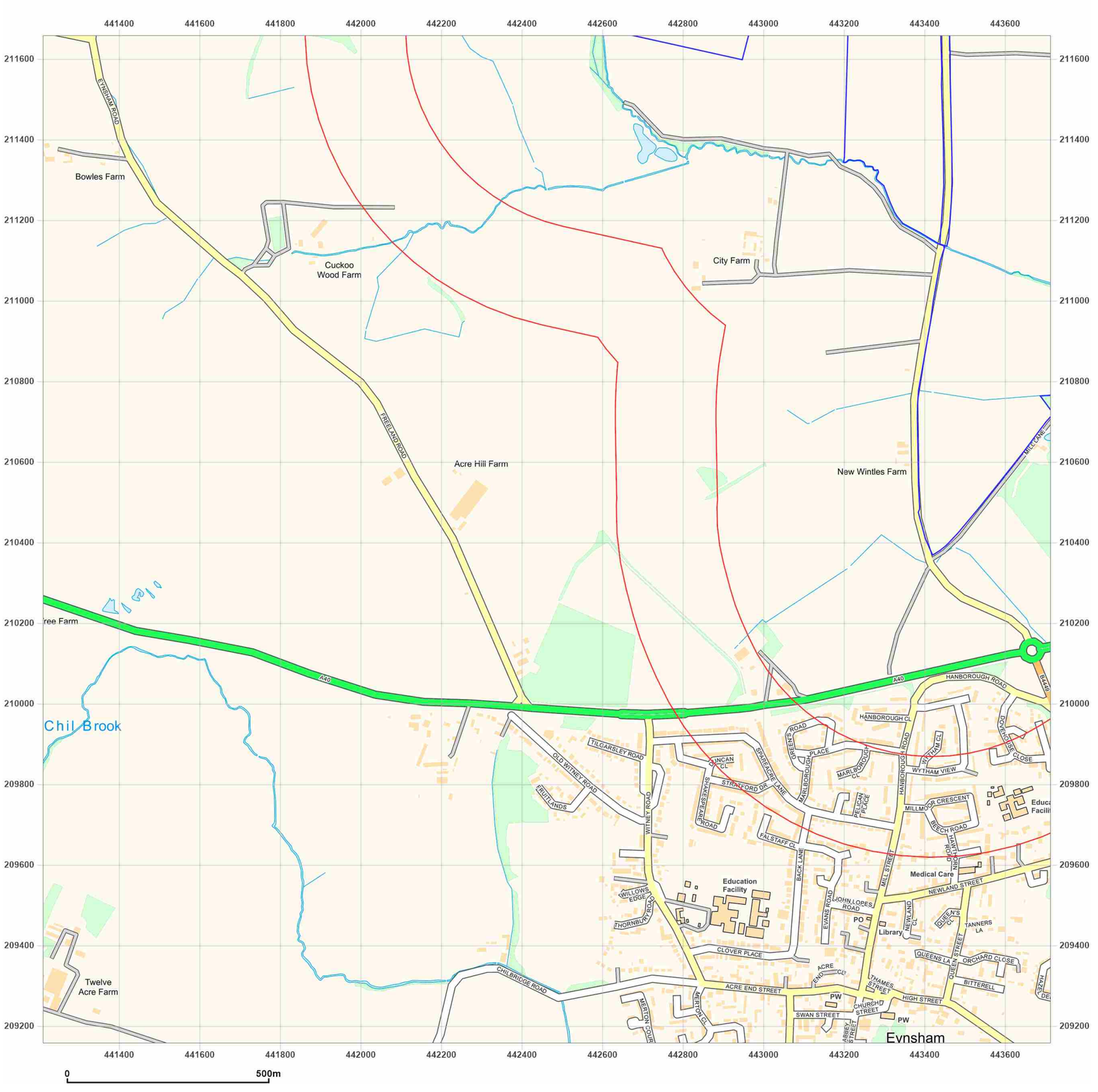
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_1
Grid Ref: 442462, 210408

Map Name: National Grid

Map date: **2022**

Scale: 1:10,000

Printed at: 1:10,000

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2022

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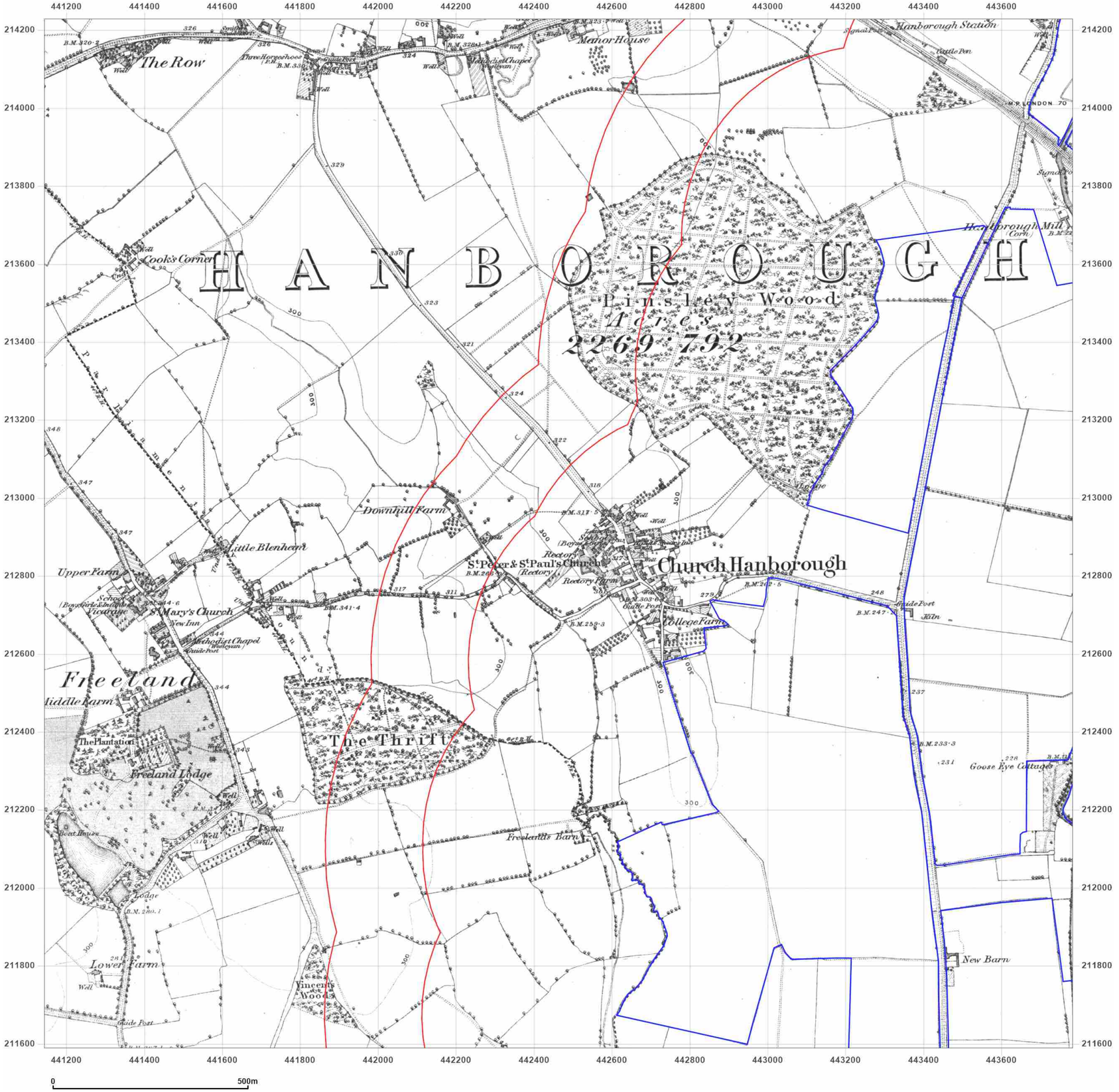
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1876-1880**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

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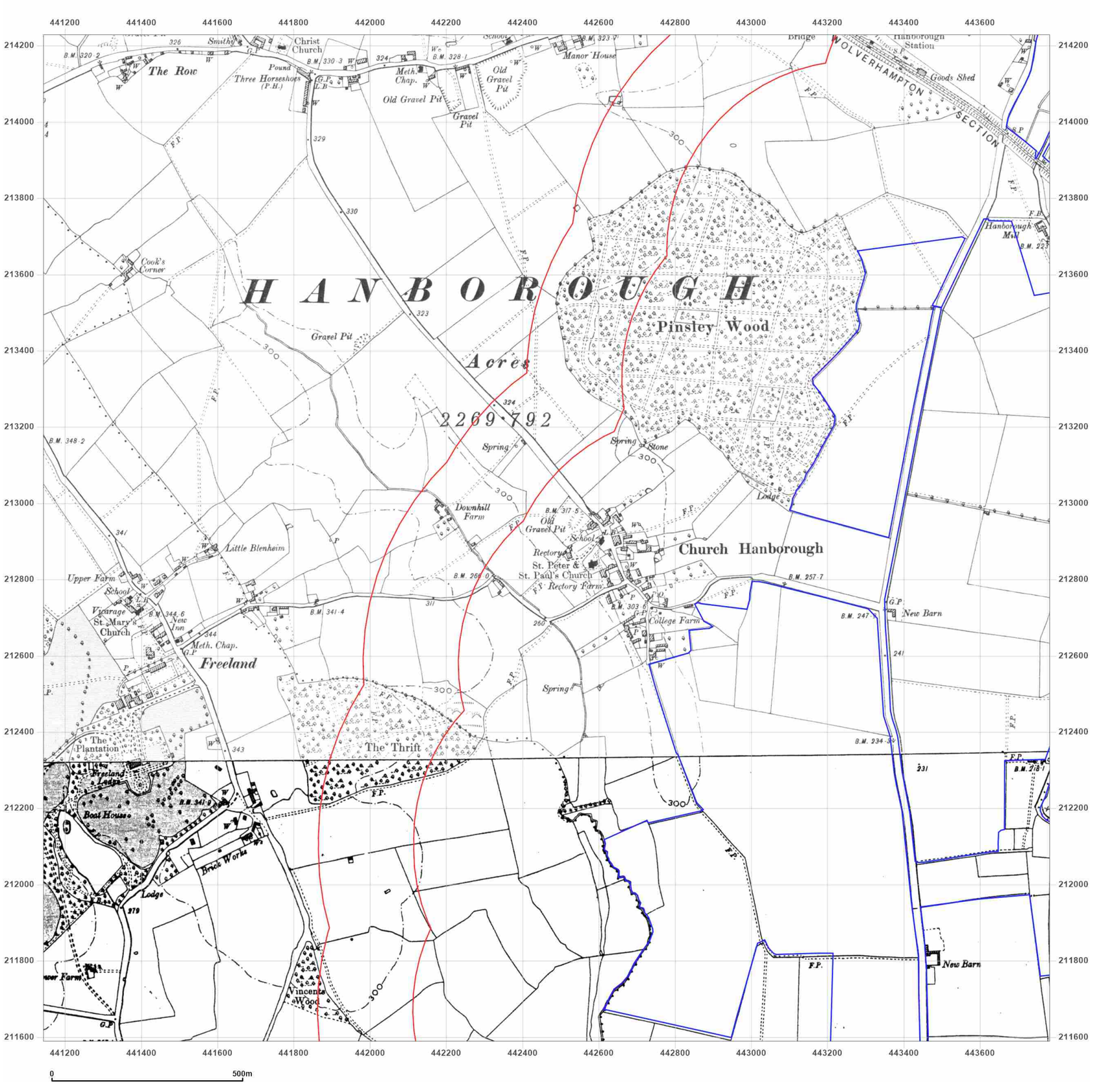
Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1898-1900**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

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

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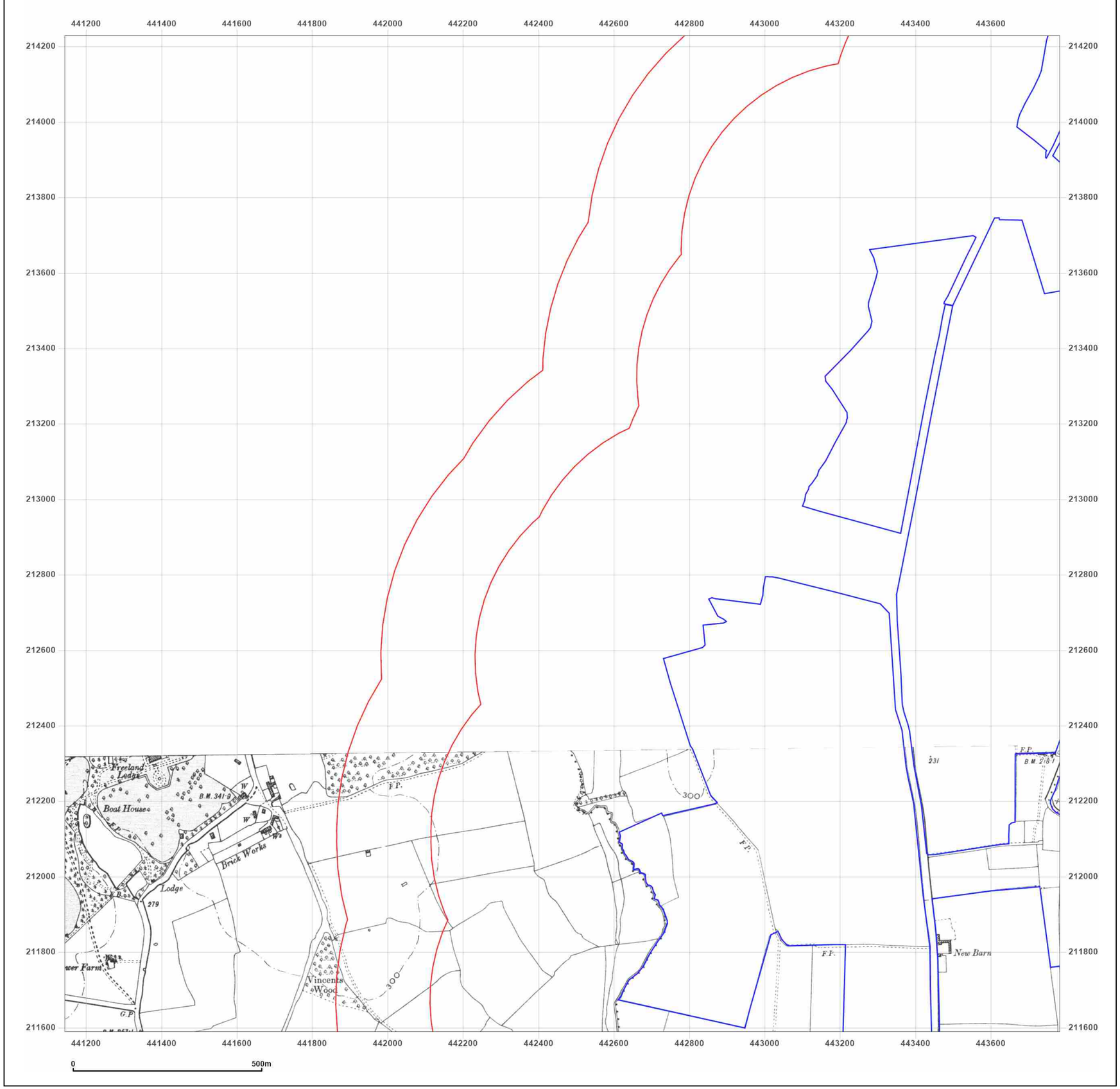
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1900**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

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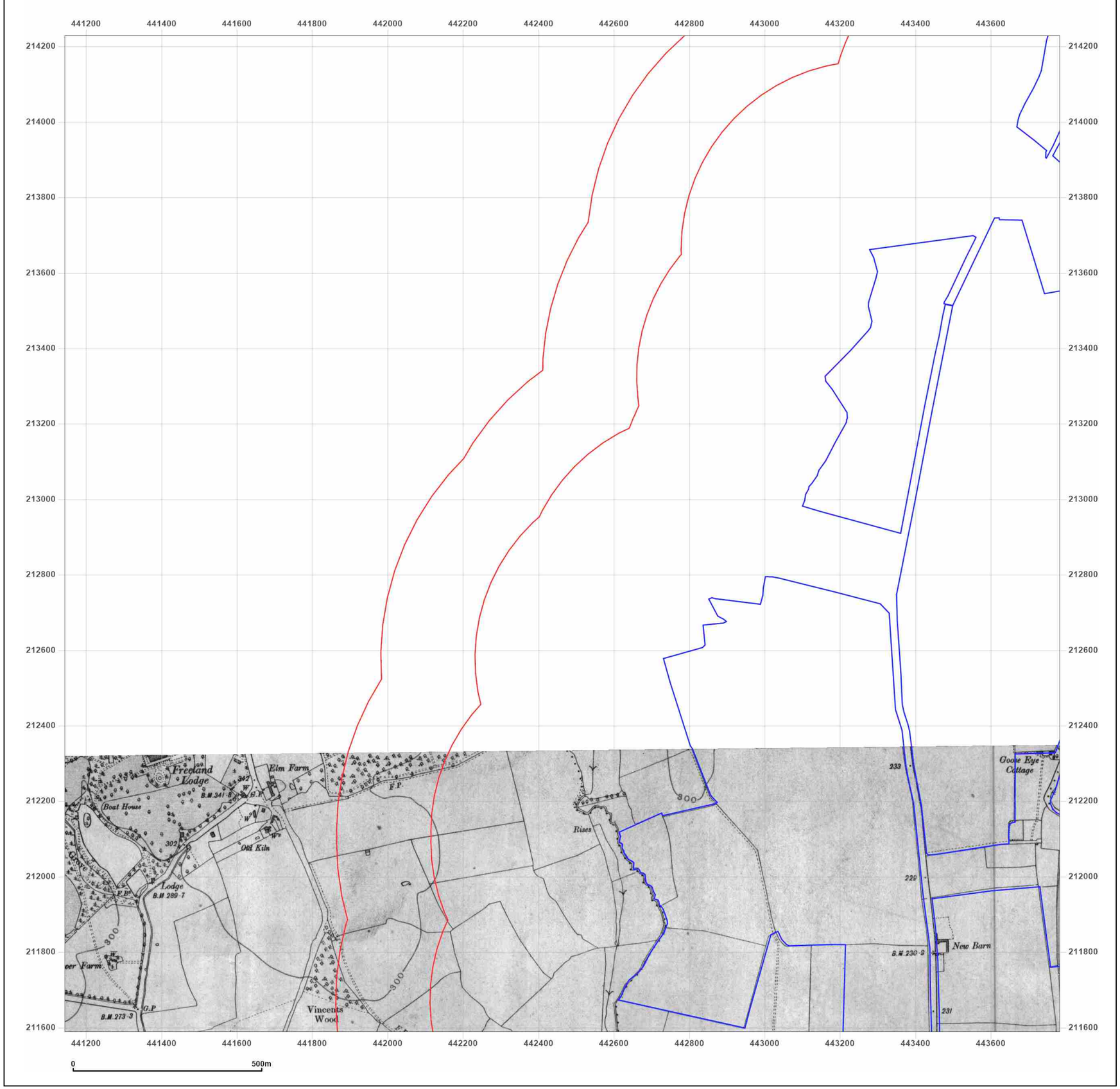
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1911**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

Powered by

Produced by
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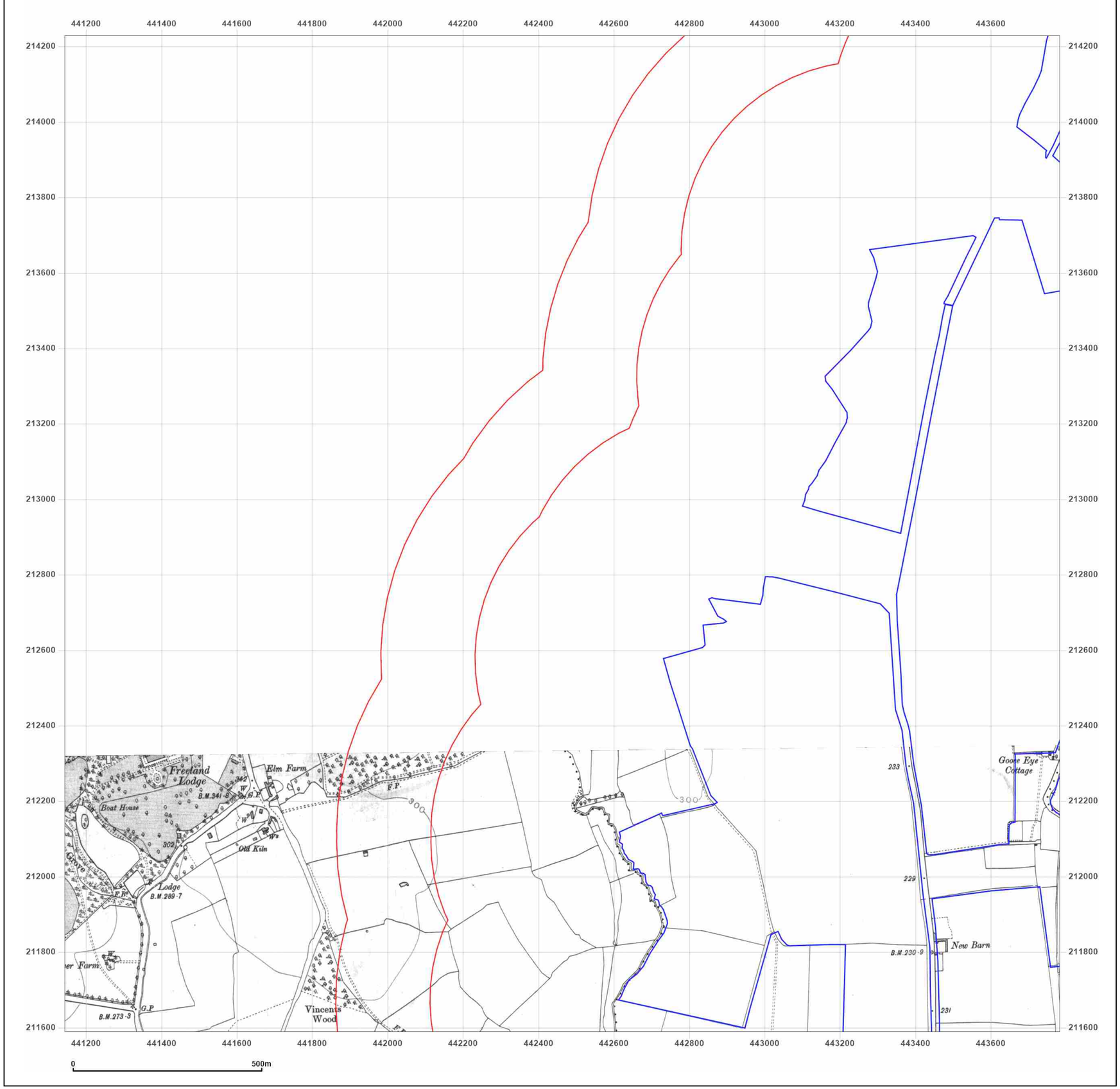
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1914**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed N/A
Revised N/A
Edition 1914
Copyright N/A
Levelled N/A

Powered by

Produced by
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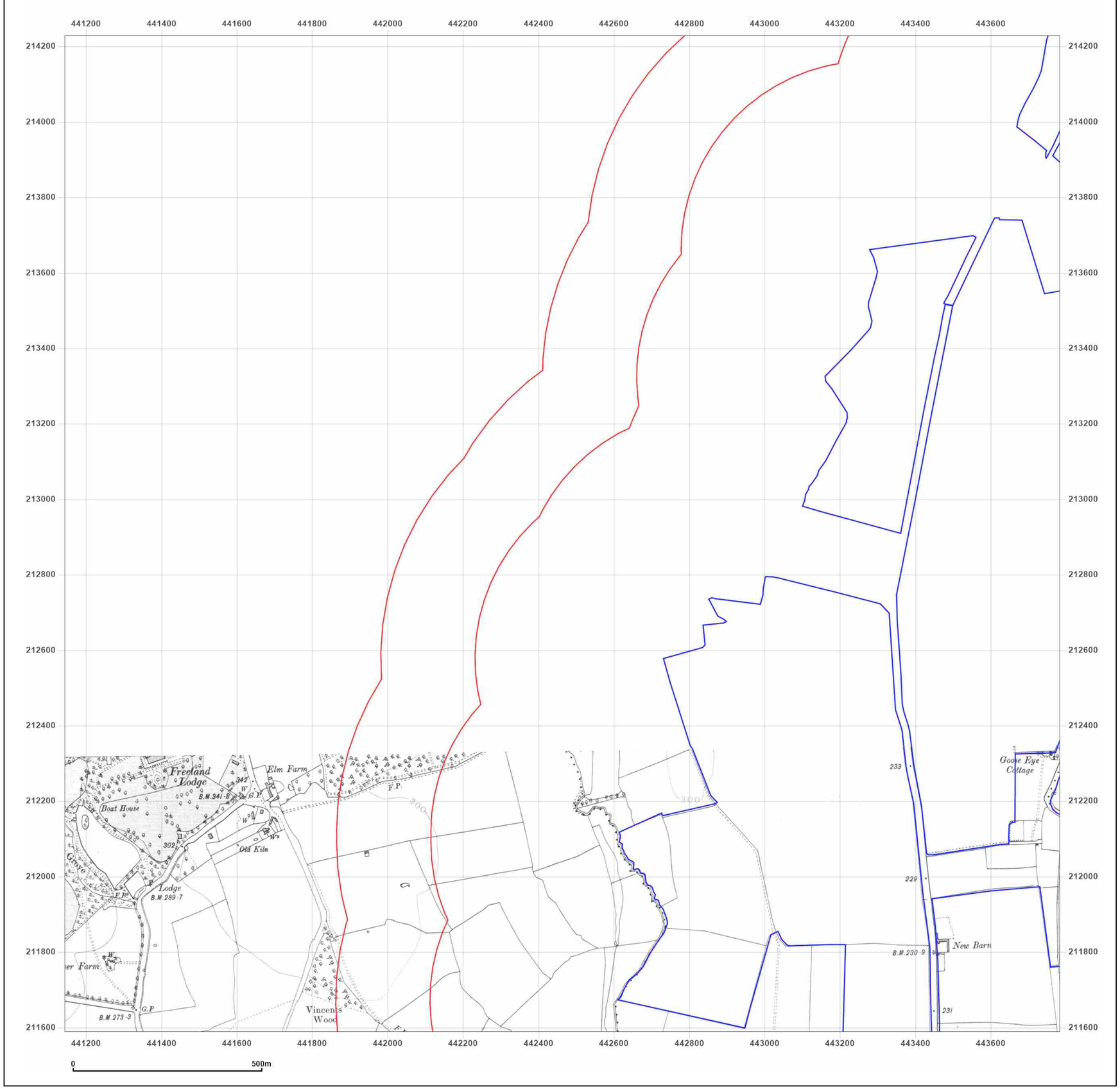
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1914**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1872
Revised 1914
Edition 1914
Copyright N/A
Levelled N/A

Powered by OS

Produced by
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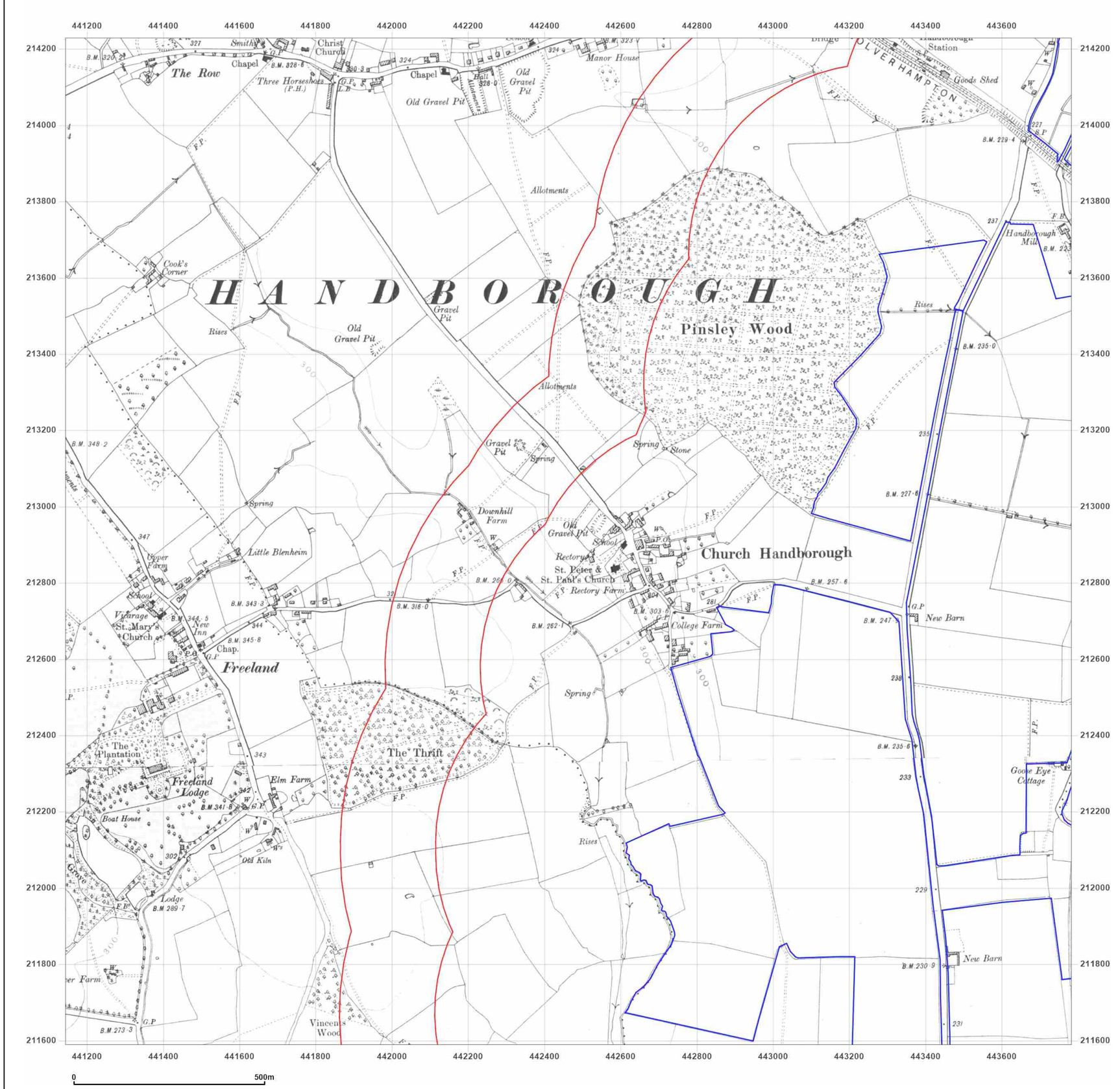
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1922-1923**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1875
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

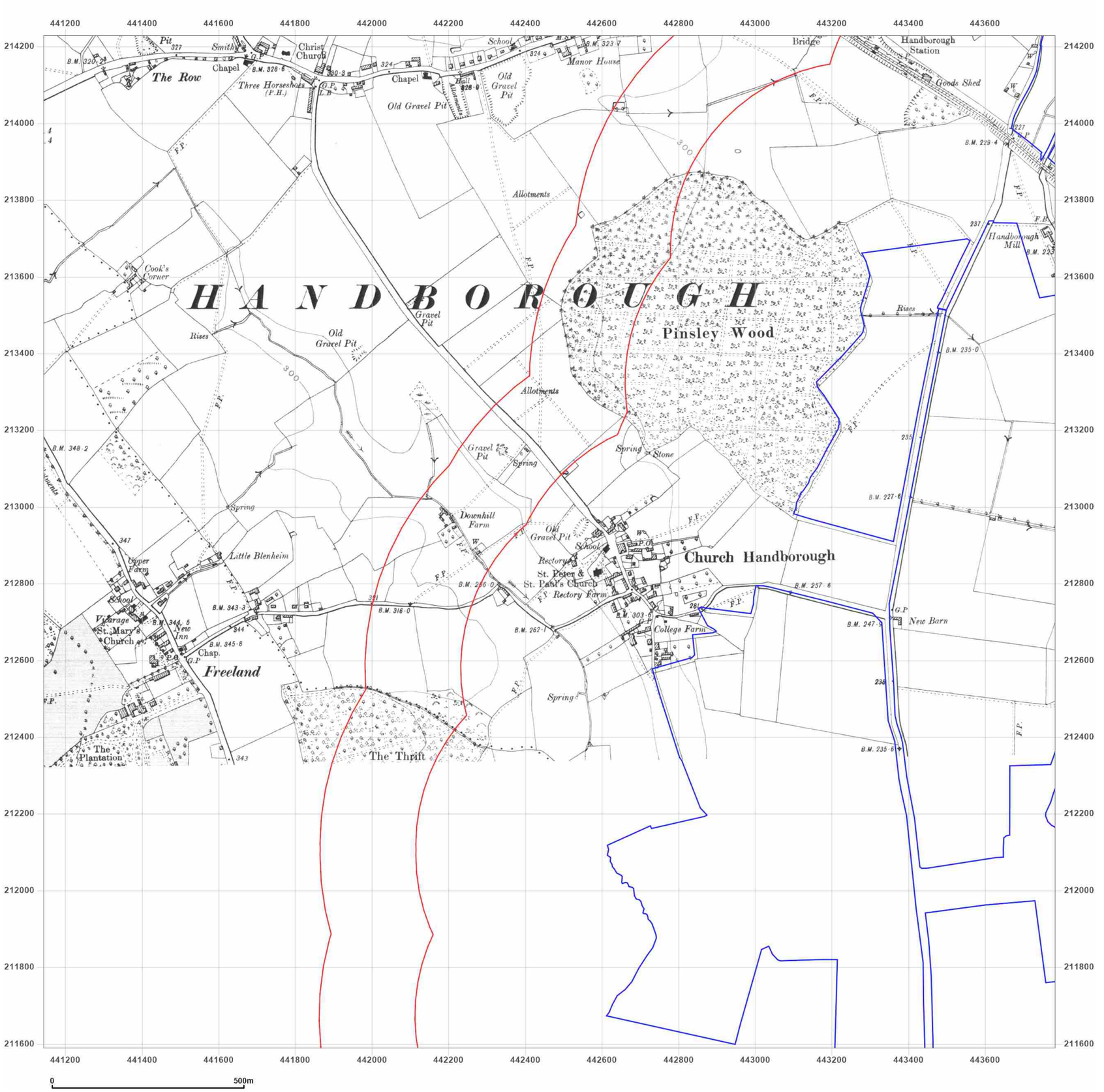
Surveyed 1872
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: County Series

Map date: **1923**

Scale: 1:10,560

Printed at: 1:10,560

N
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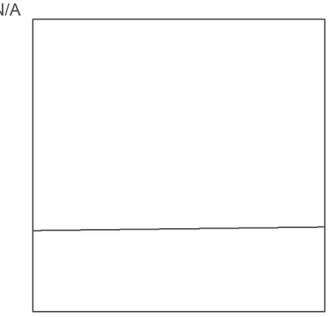
Surveyed 1879
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A



Powered by OS

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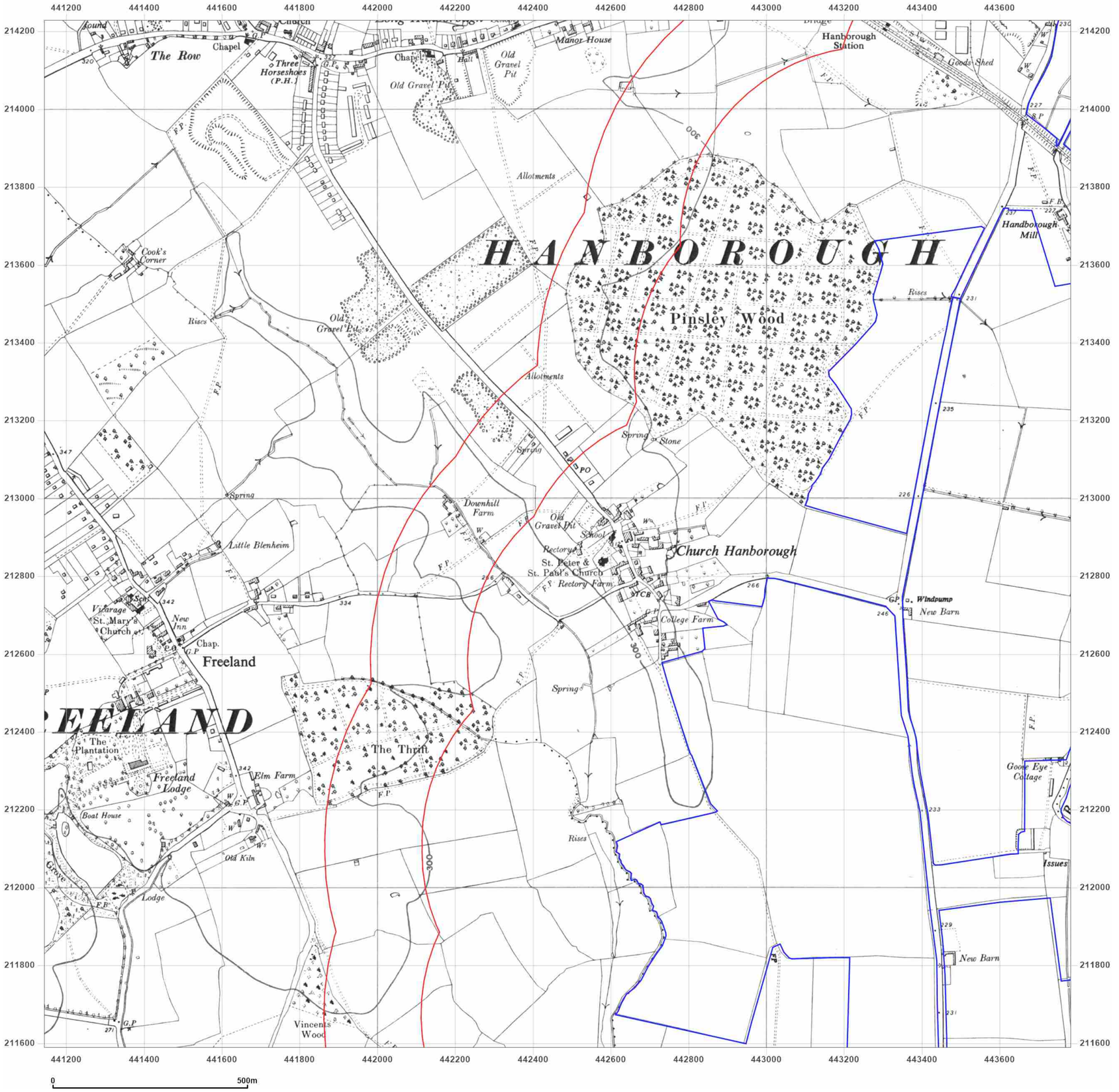
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

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

N
W E
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Surveyed N/A
Revised 1954
Edition 1955
Copyright N/A
Levelled N/A

Powered by OS

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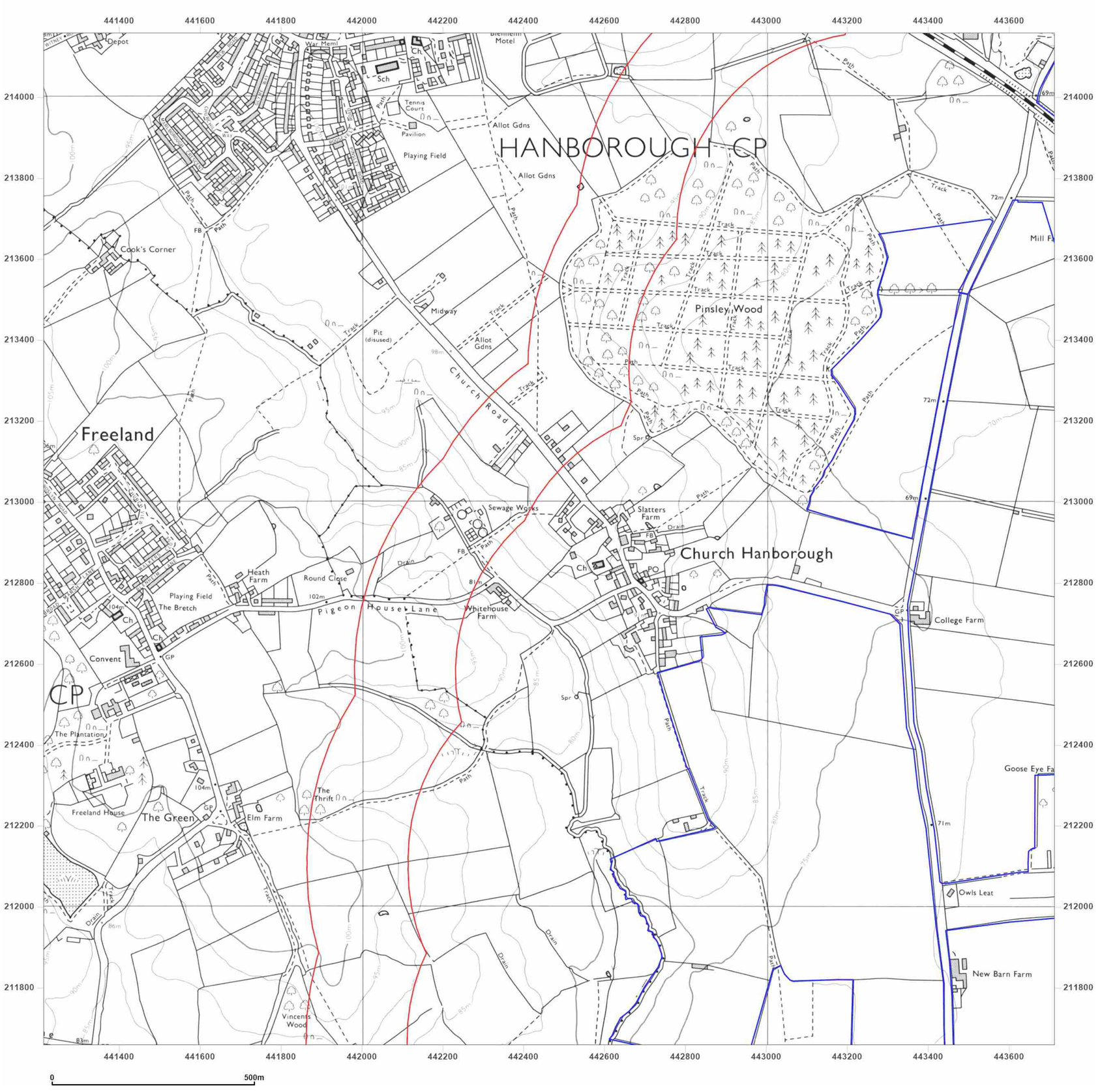
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: National Grid

Map date: **1980**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1972
Revised 1979
Edition N/A
Copyright 1980
Levelled 1974

Powered by OS

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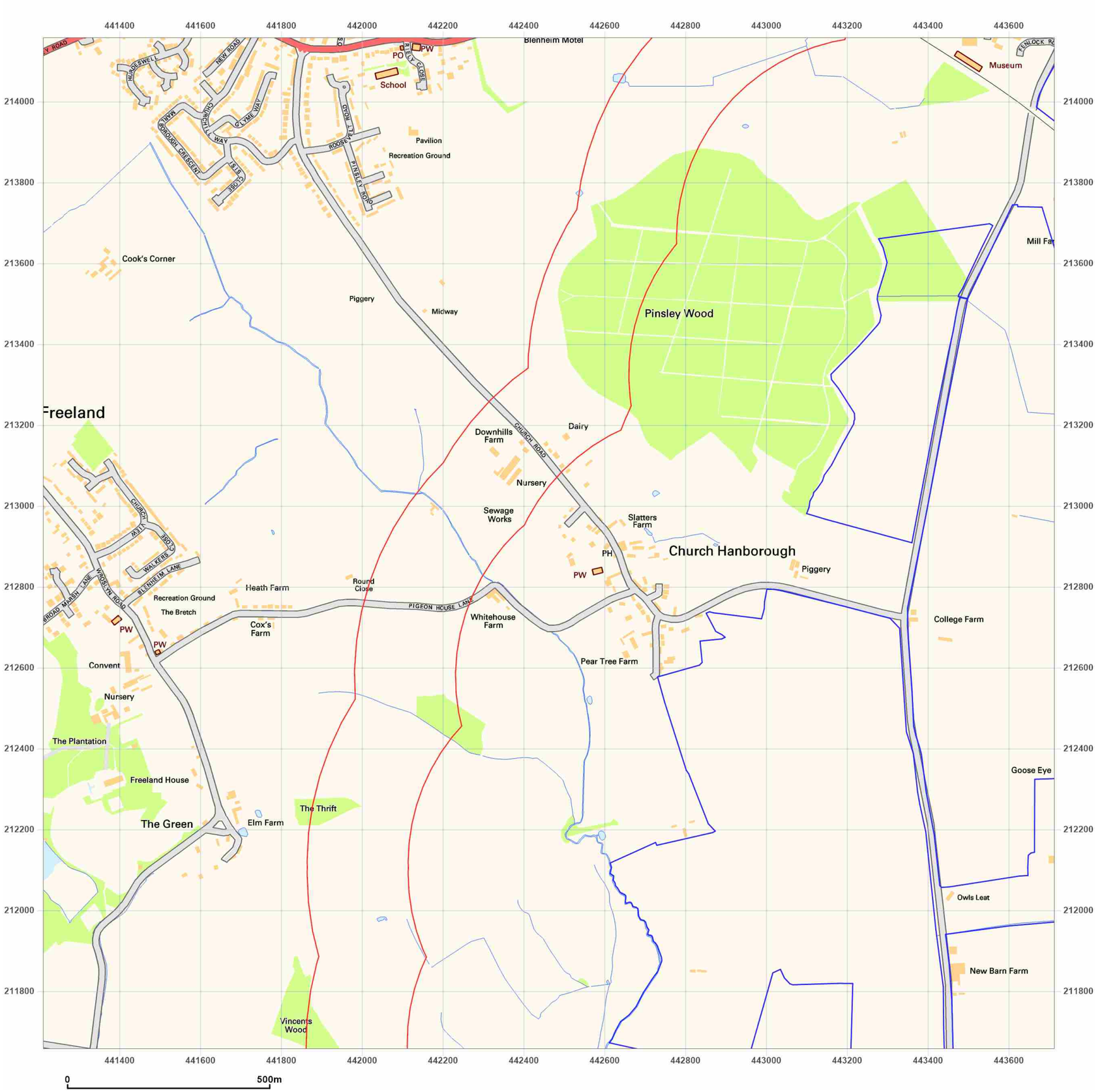
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

Powered by OS

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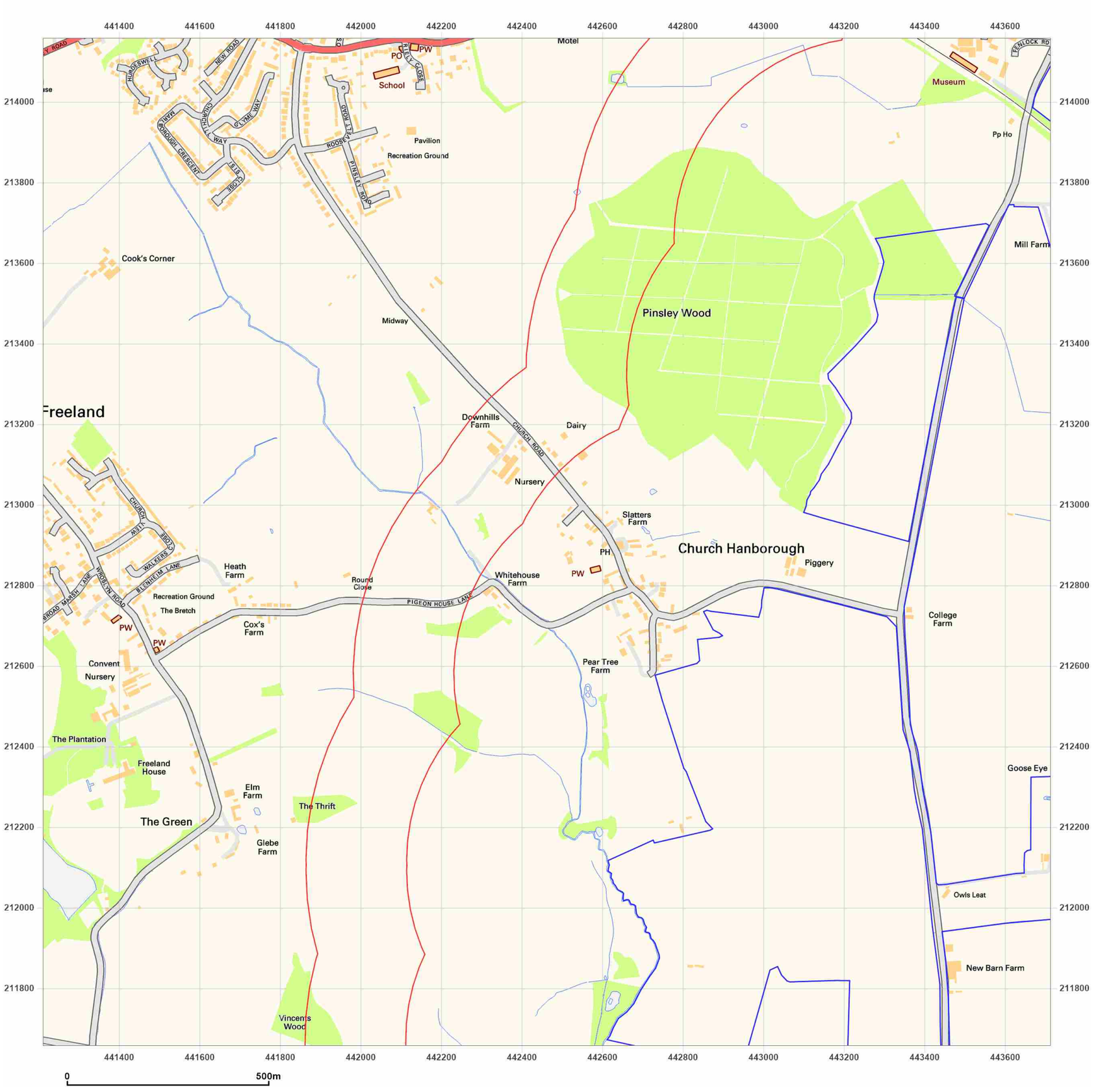
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

Powered by OS

Produced by
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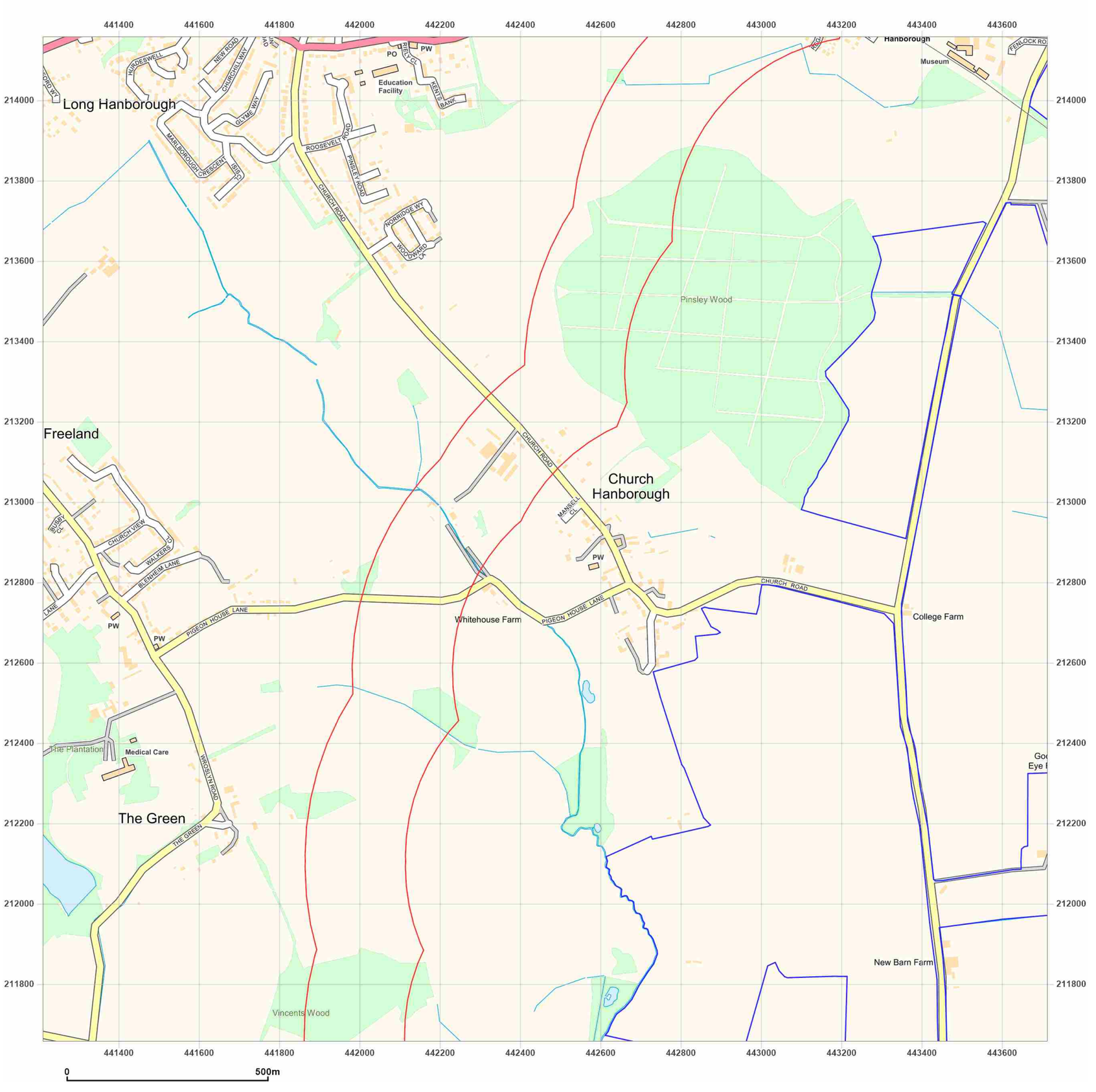
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_1_2
Grid Ref: 442462, 212908

Map Name: National Grid

Map date: **2022**

Scale: 1:10,000

Printed at: 1:10,000

N
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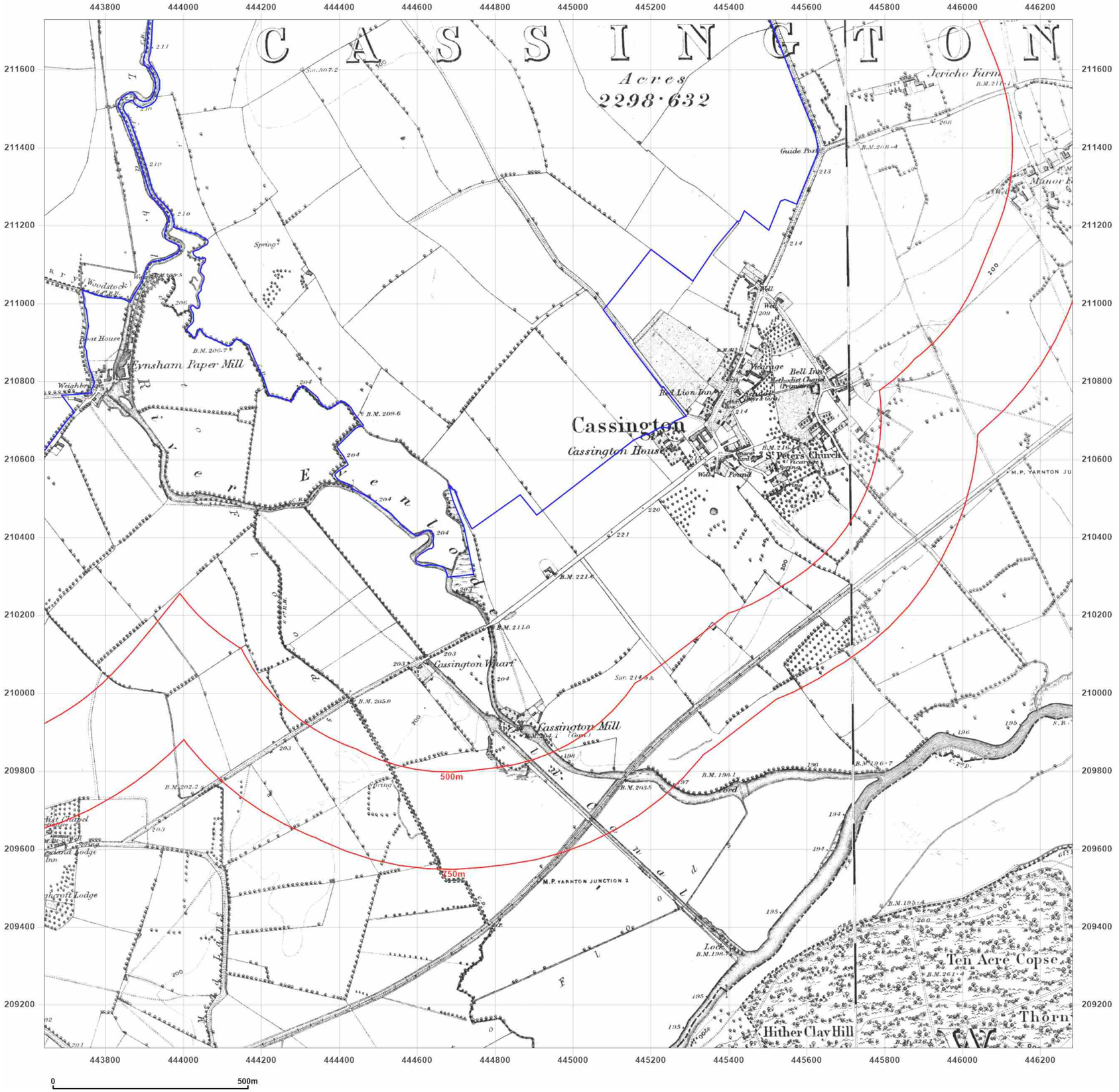
2022

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
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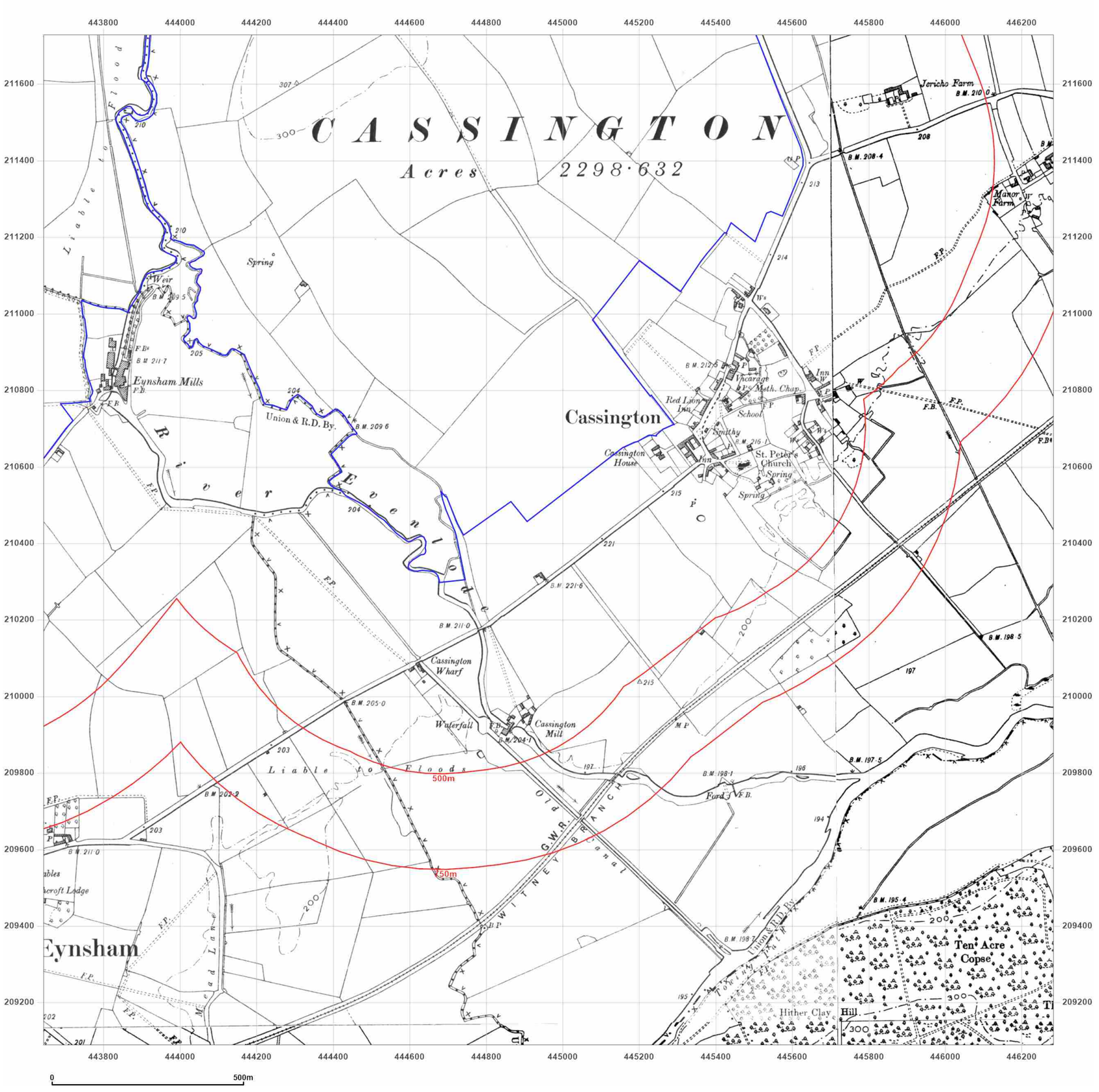
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1900**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1875 Revised 1900 Edition N/A Copyright N/A Levelled N/A	Surveyed 1875 Revised 1898 Edition 1900 Copyright N/A Levelled N/A
Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised 1898 Edition 1900 Copyright N/A Levelled N/A

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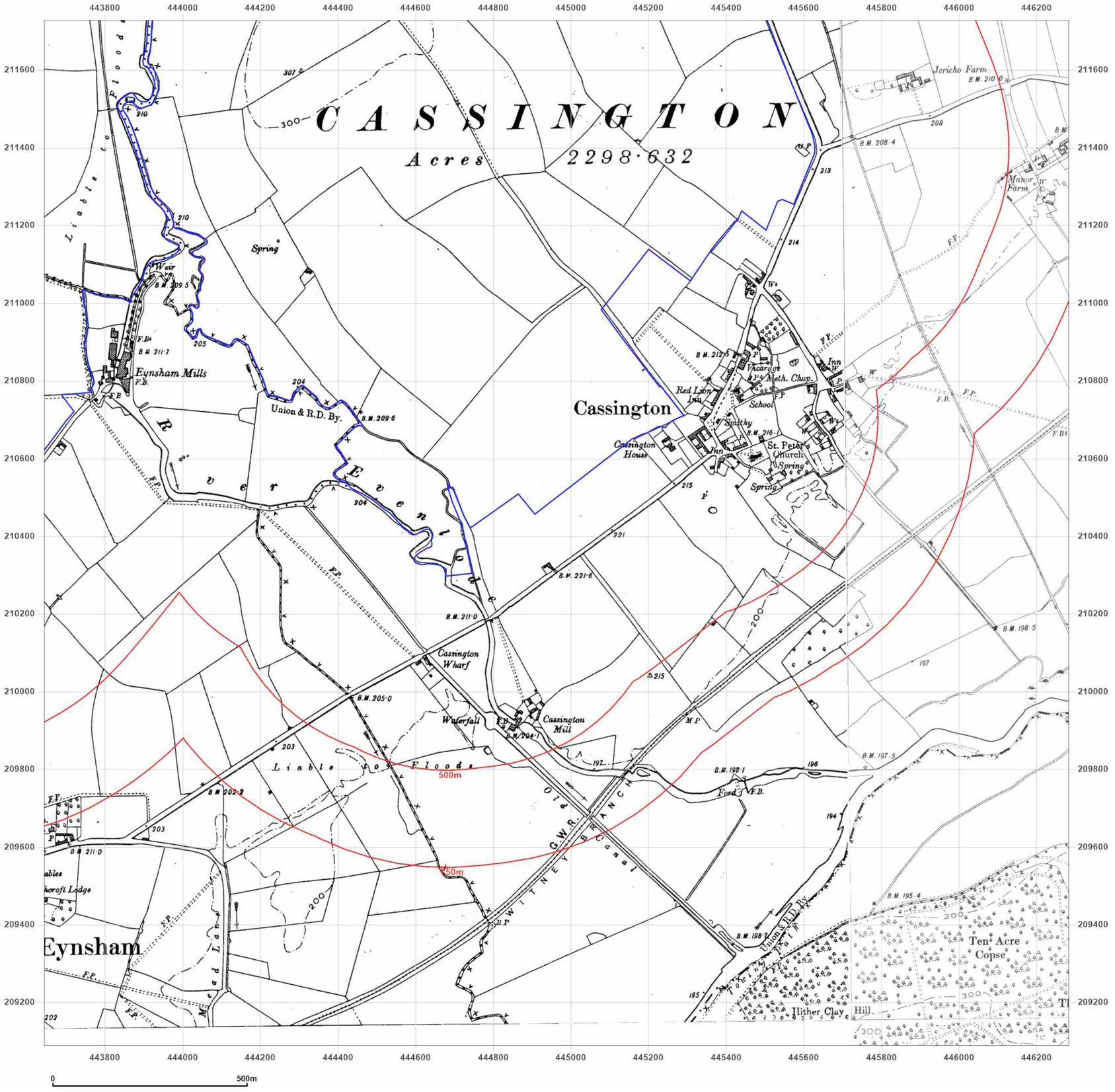
Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1900**

Scale: 1:10,560

Printed at: 1:10,560

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

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

Surveyed 1872
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

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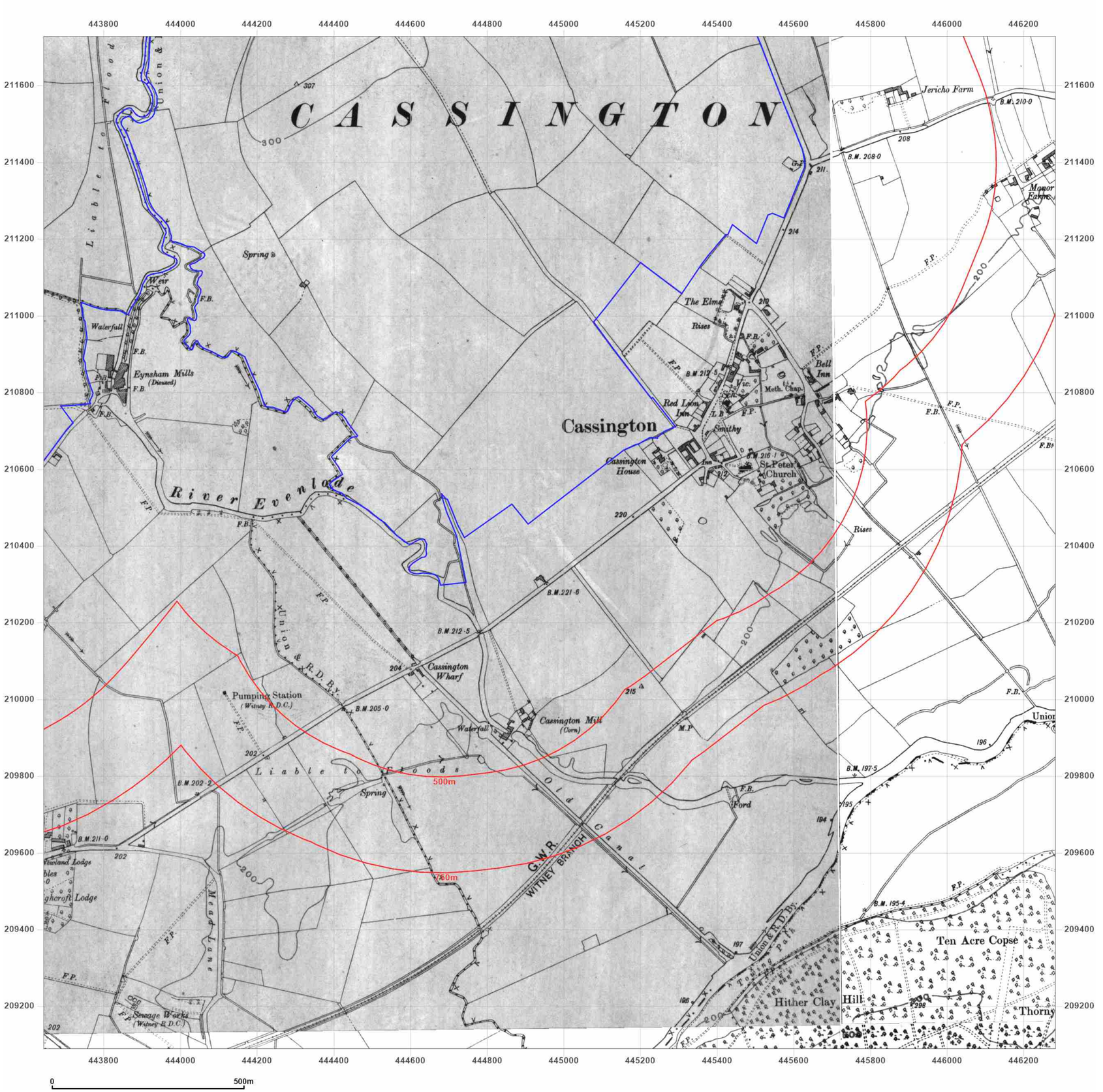
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1911**

Scale: 1:10,560

Printed at: 1:10,560

N
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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
Copyright N/A
Levelled N/A

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

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

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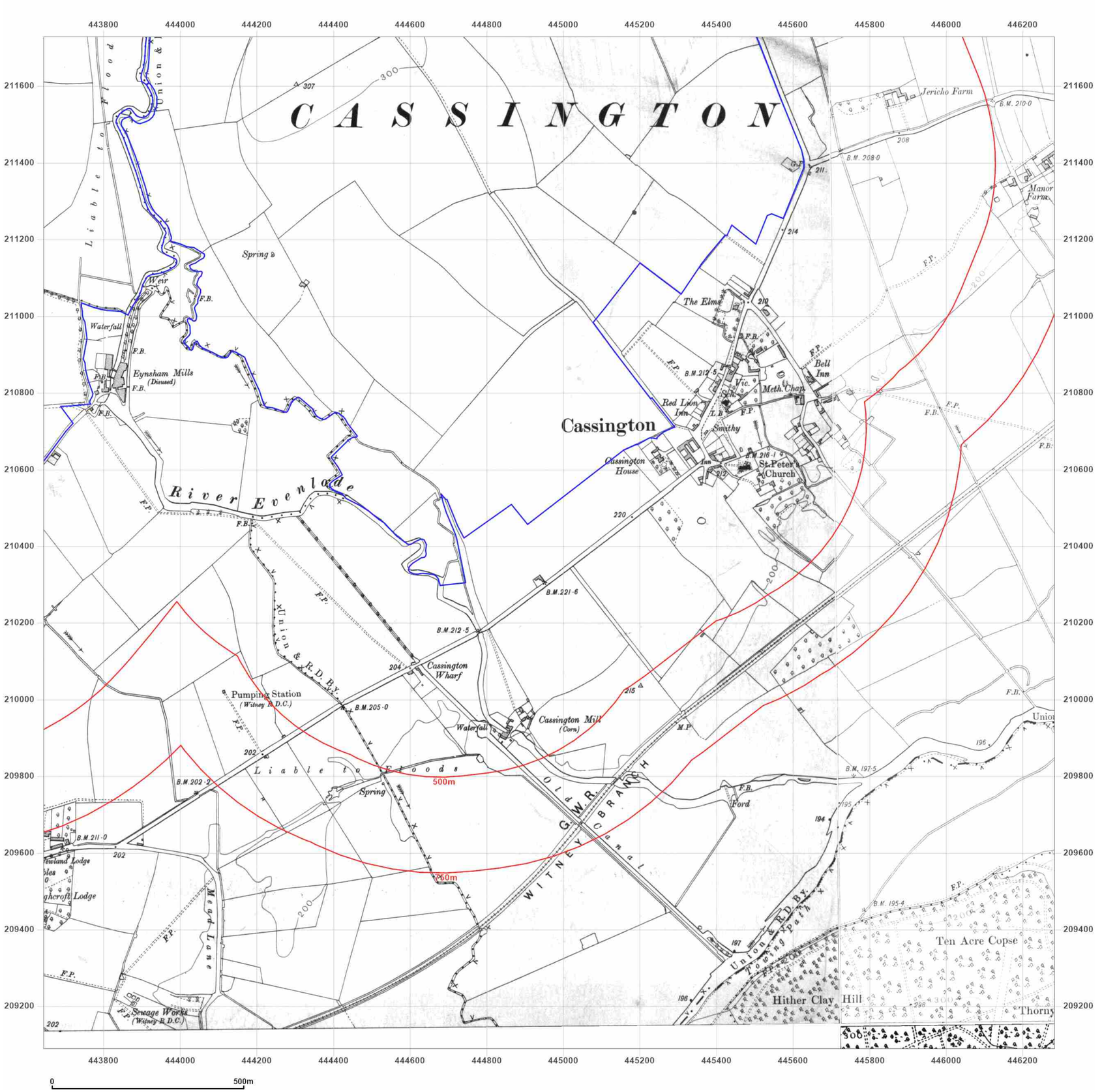
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1914**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised N/A
Edition 1914
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1911
Edition 1914
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1911
Edition 1914
Copyright N/A
Levelled 1912

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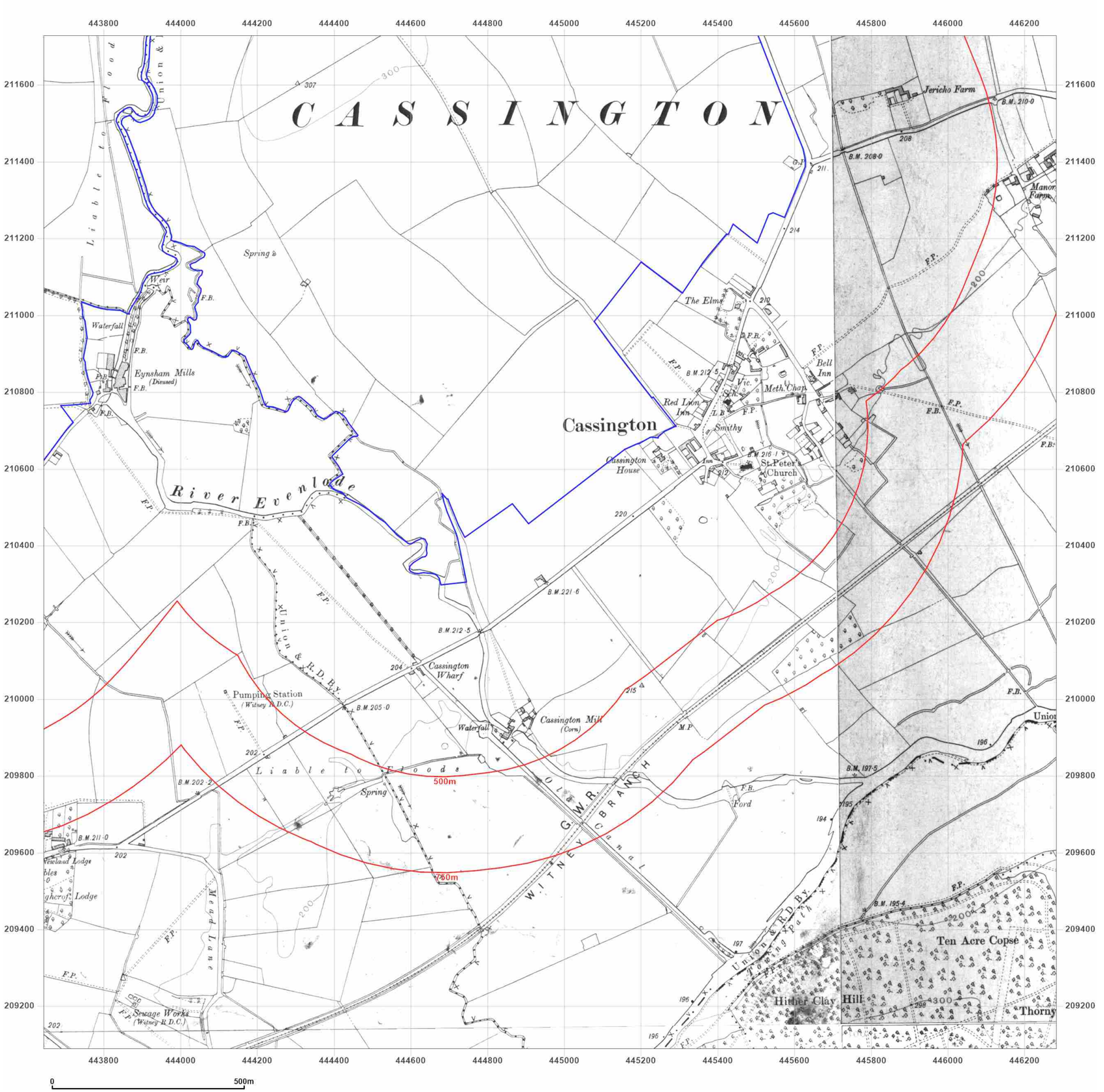
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1914-1919**

Scale: 1:10,560

Printed at: 1:10,560

N
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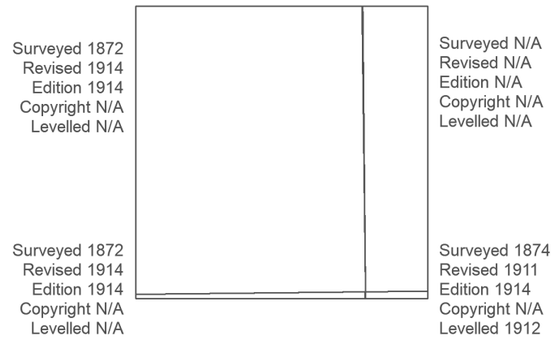

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Produced by
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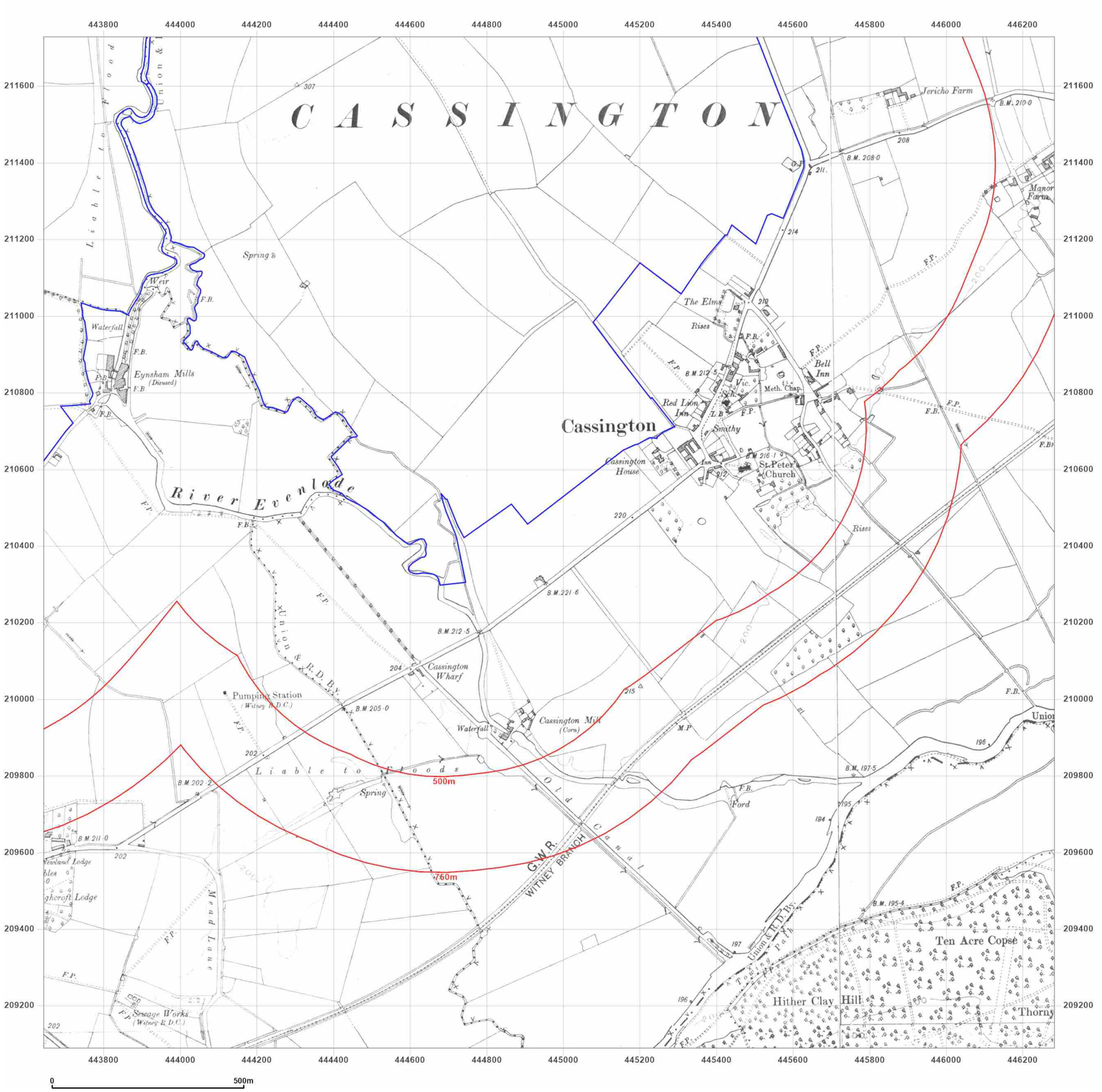
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: County Series

Map date: **1922**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1872
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1911
Edition 1922
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1874
Revised 1919
Edition 1922
Copyright N/A
Levelled 1912

Powered by OS

Produced by
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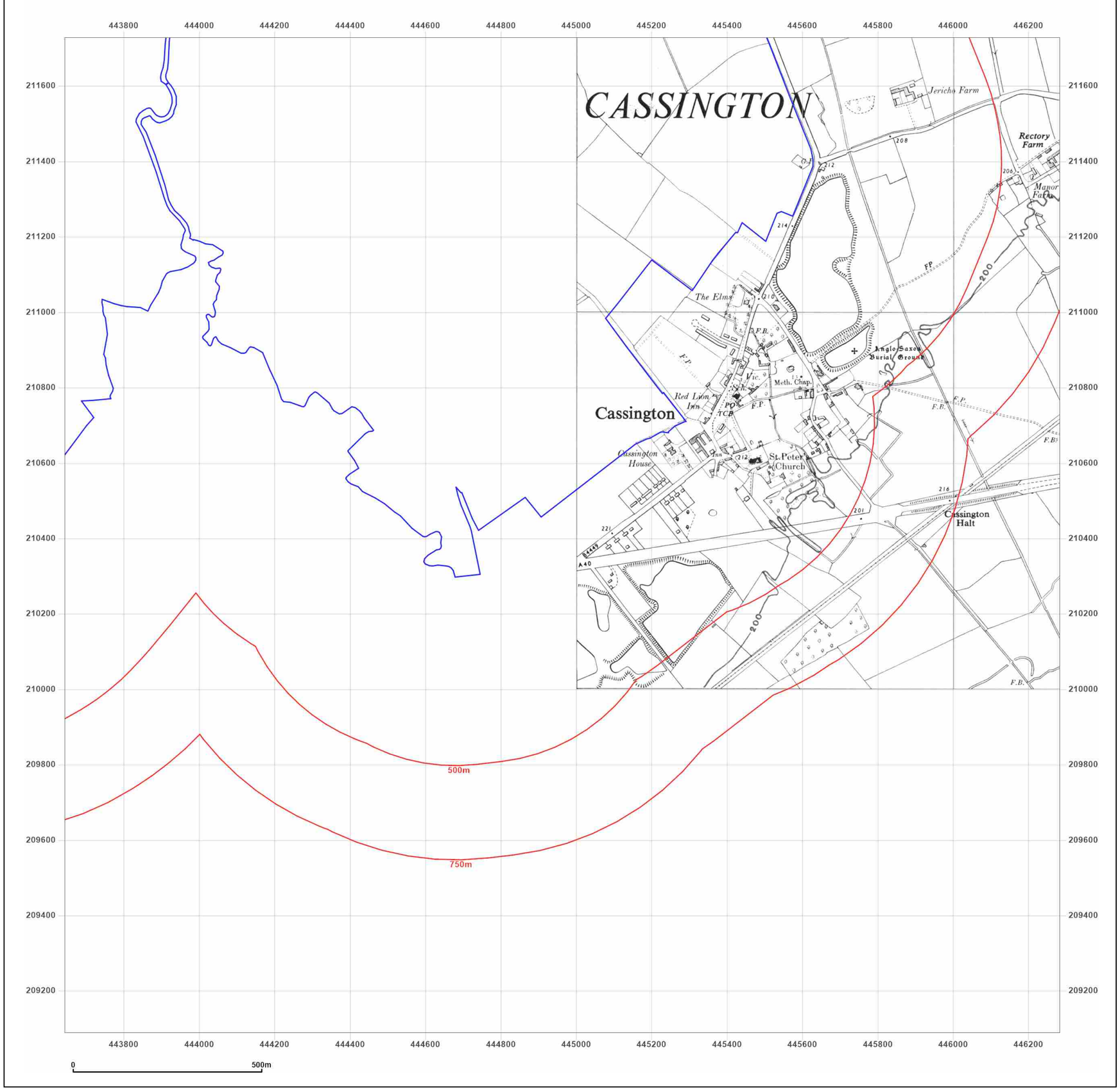
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: Provisional

Map date: **1955**

Scale: 1:10,560

Printed at: 1:10,560

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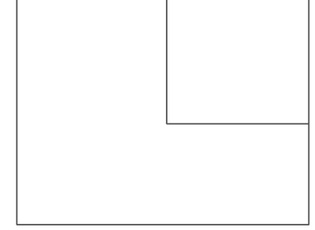
Surveyed 1950
Revised 1950
Edition N/A
Copyright 1955
Levelled N/A



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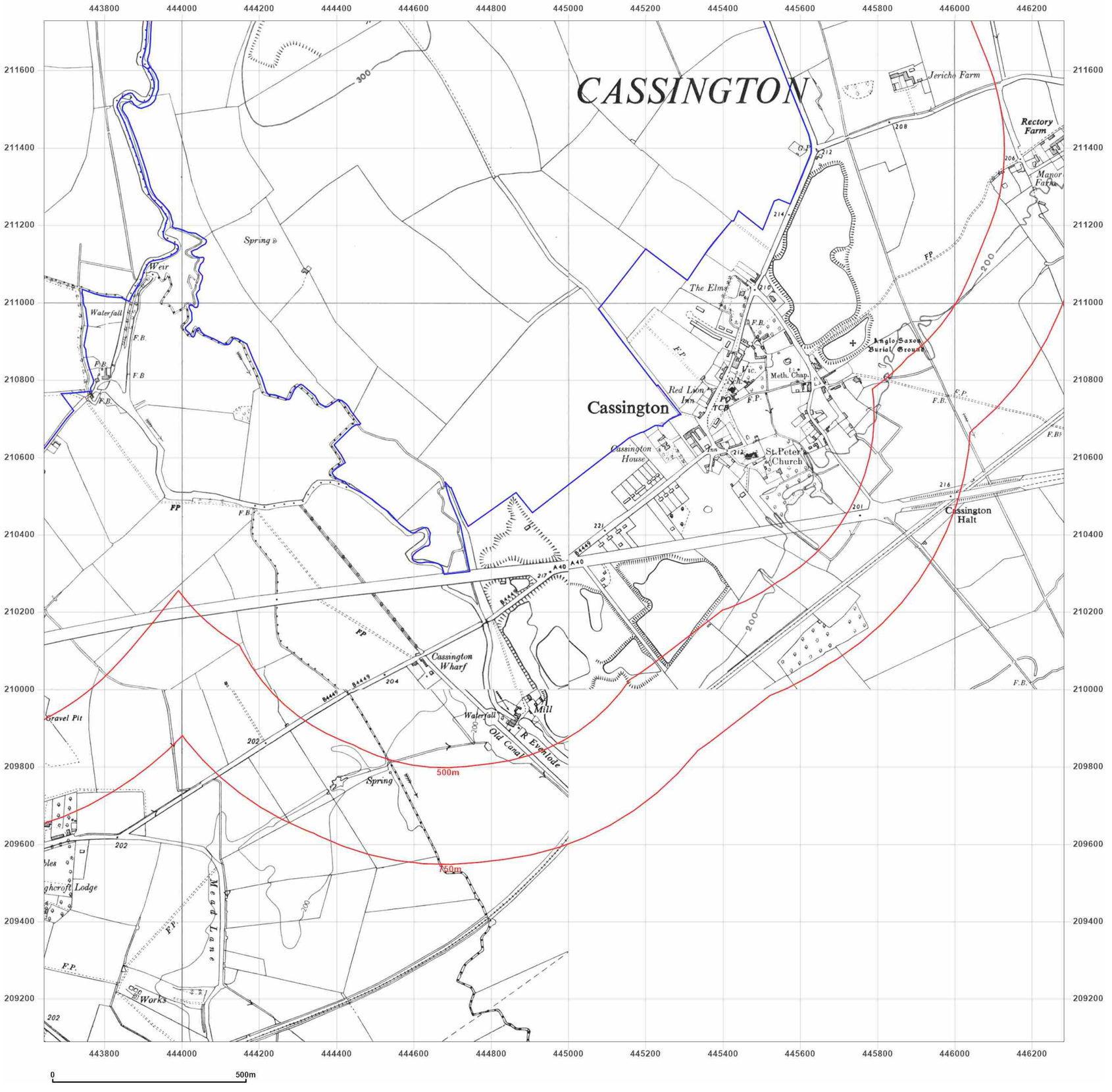
Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: Provisional

Map date: **1954-1956**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1954
Edition 1955
Copyright N/A
Levelled N/A

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

Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

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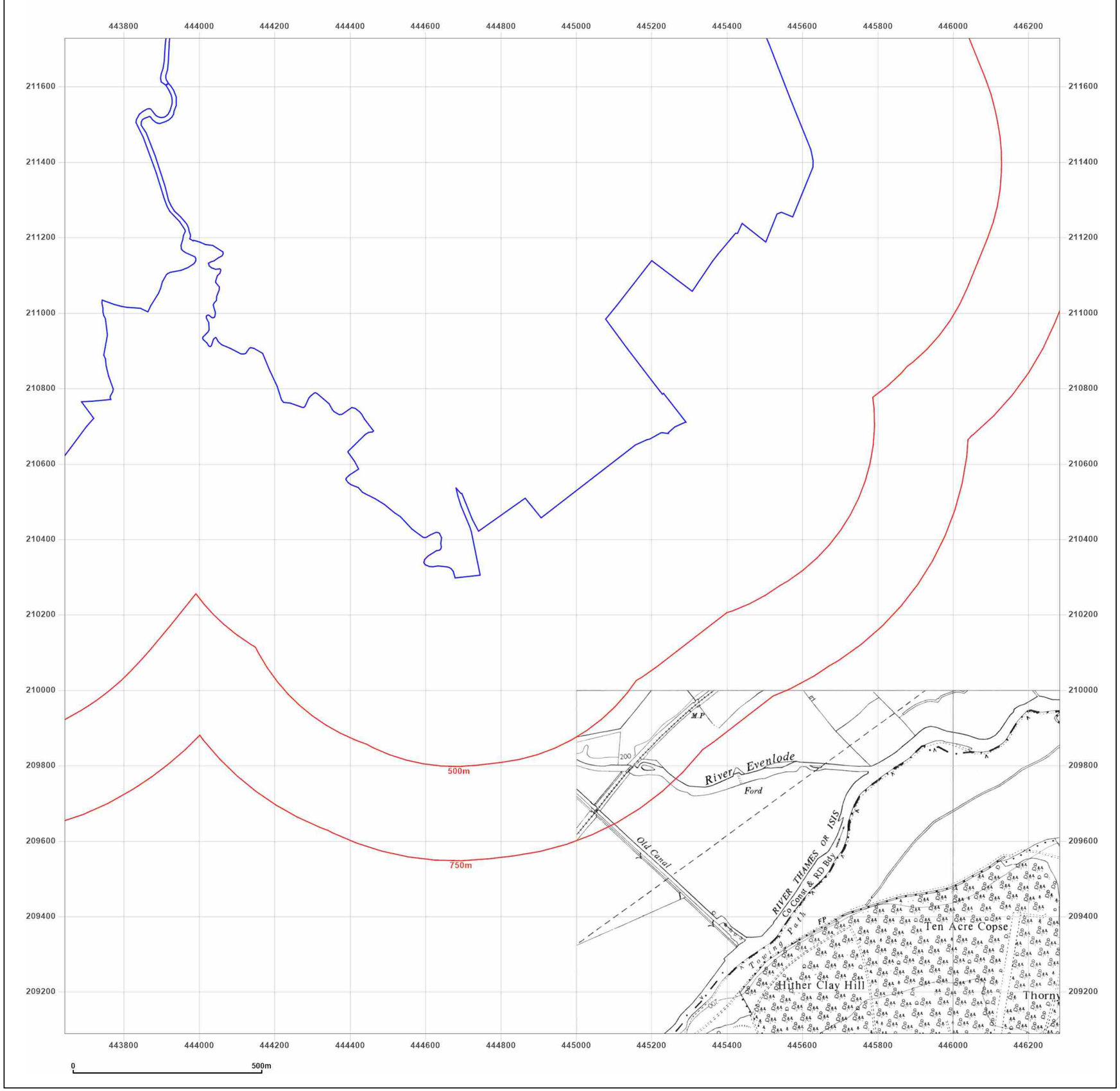
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

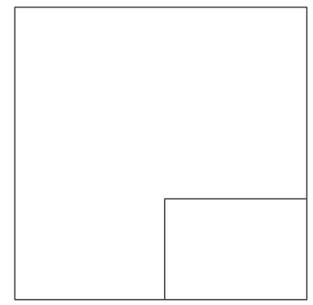
Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: Provisional
Map date: **1961**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
S



Surveyed N/A
Revised 1960
Edition N/A
Copyright 1961
Levelled N/A

Powered by

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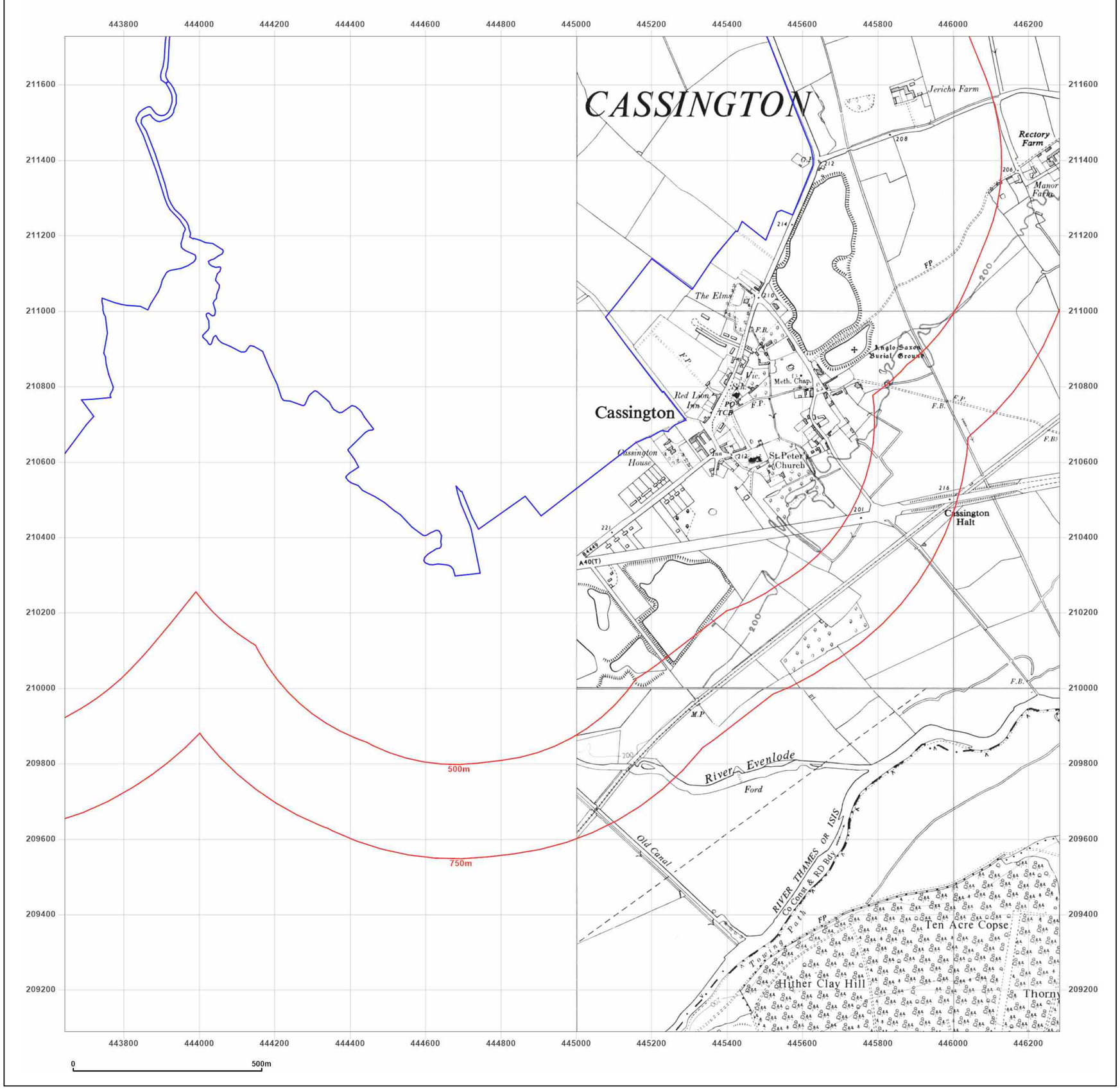
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: Provisional

Map date: **1967-1968**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1950
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1956
Revised 1967
Edition 1968
Copyright 1961
Levelled N/A

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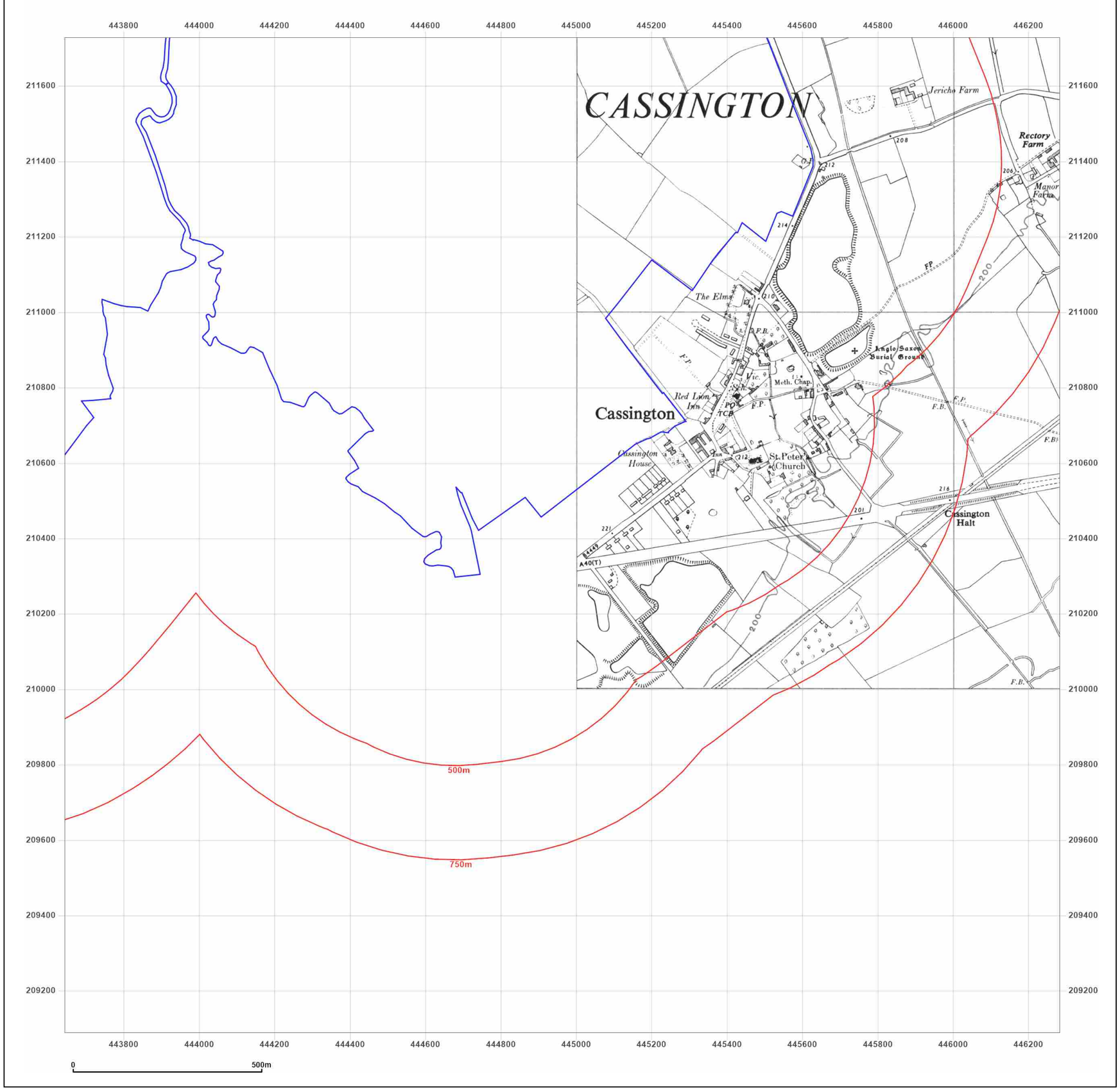
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: Provisional

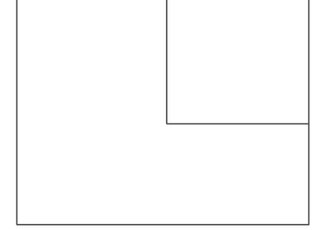
Map date: **1969**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed N/A
Revised 1969
Edition 1955
Copyright N/A
Levelled N/A

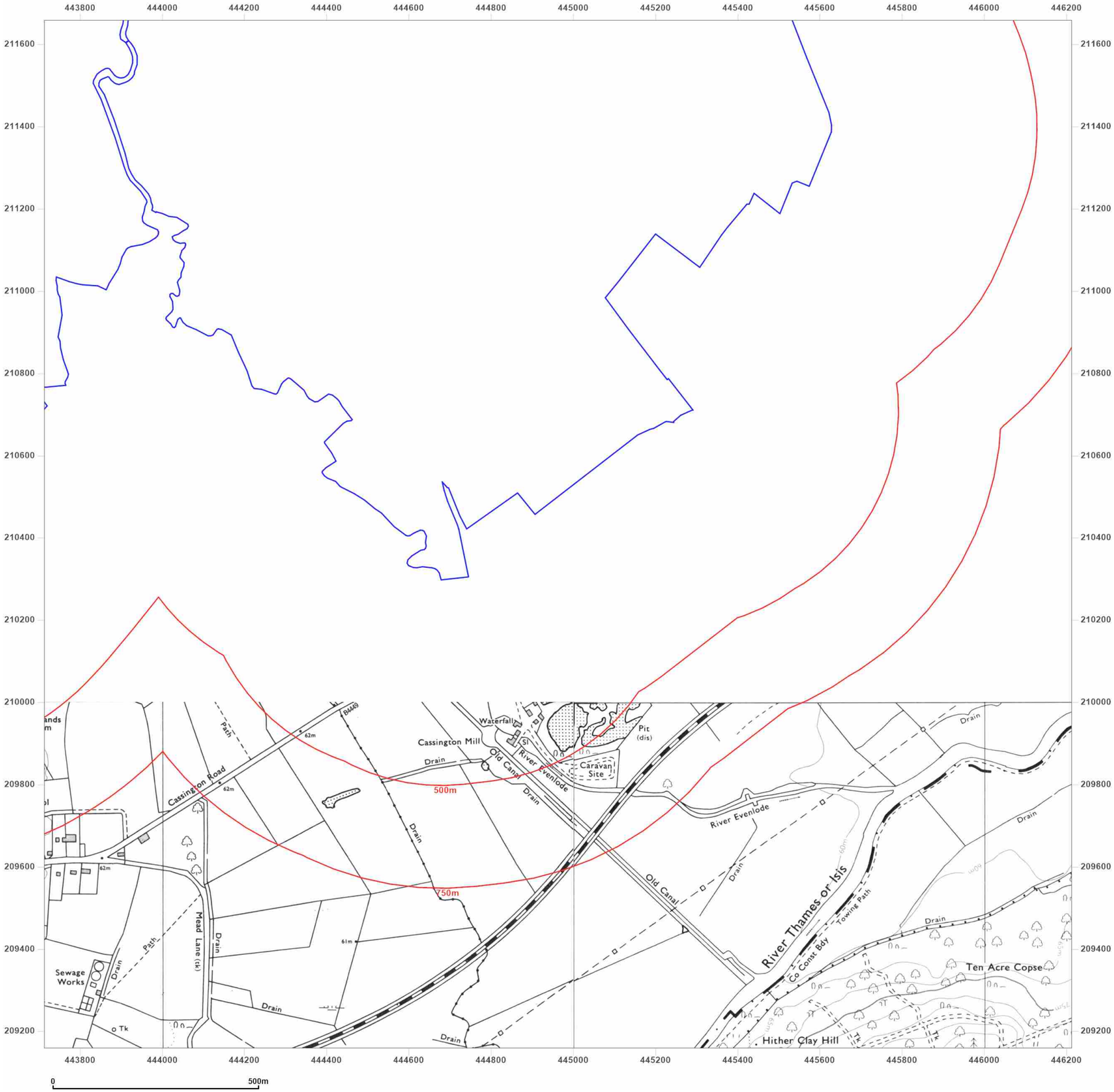


Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: National Grid

Map date: **1972**

Scale: 1:10,000

Printed at: 1:10,000

N
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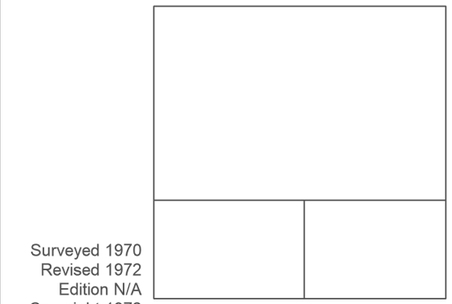

Surveyed 1970
Revised 1972
Edition N/A
Copyright 1972
Levelled 1971

Surveyed 1970
Revised 1972
Edition N/A
Copyright 1972
Levelled 1971

Powered by OS

Produced by
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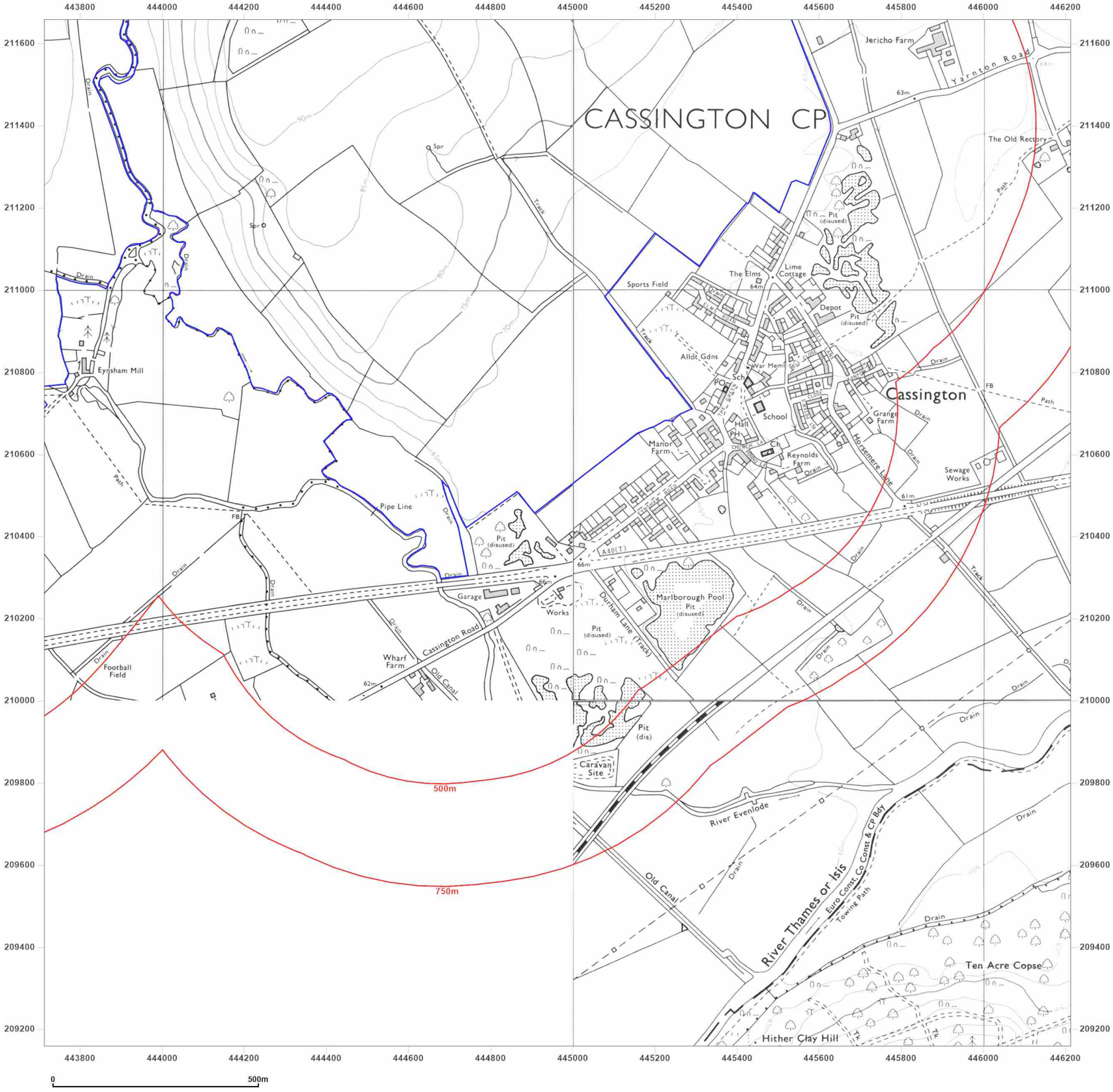
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: National Grid

Map date: **1980-1982**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1972
Revised 1979
Edition N/A
Copyright 1980
Levelled 1974

Surveyed 1977
Revised 1981
Edition N/A
Copyright 1981
Levelled 1973

Surveyed N/A
Revised 1981
Edition N/A
Copyright 1982
Levelled N/A

Powered by OS

Produced by
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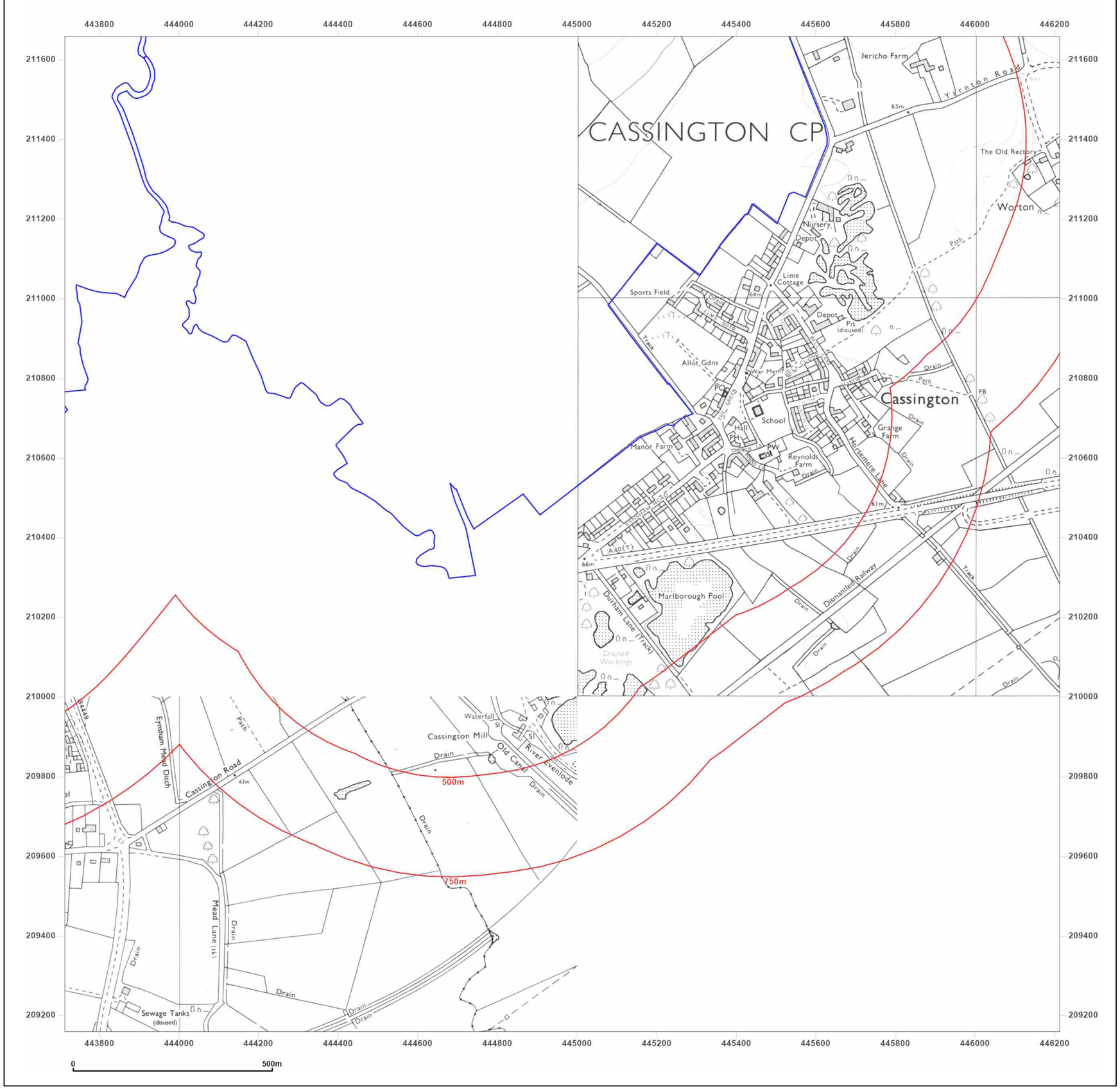
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: National Grid

Map date: **1988-1992**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1991
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1983
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

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W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
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2001

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W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

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Produced by
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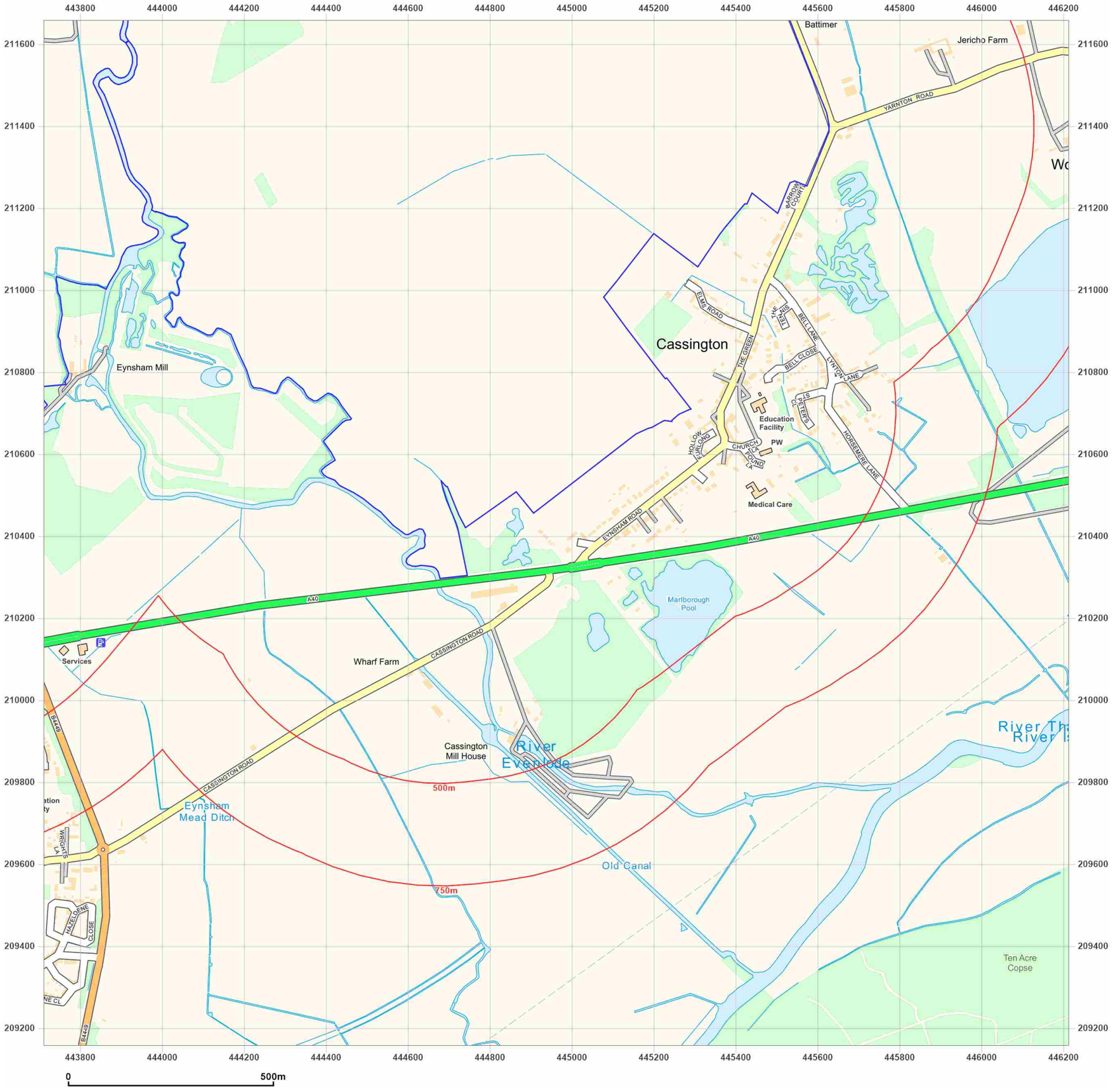
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_1
Grid Ref: 444962, 210408

Map Name: National Grid

Map date: **2022**

Scale: 1:10,000

Printed at: 1:10,000

N
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2022

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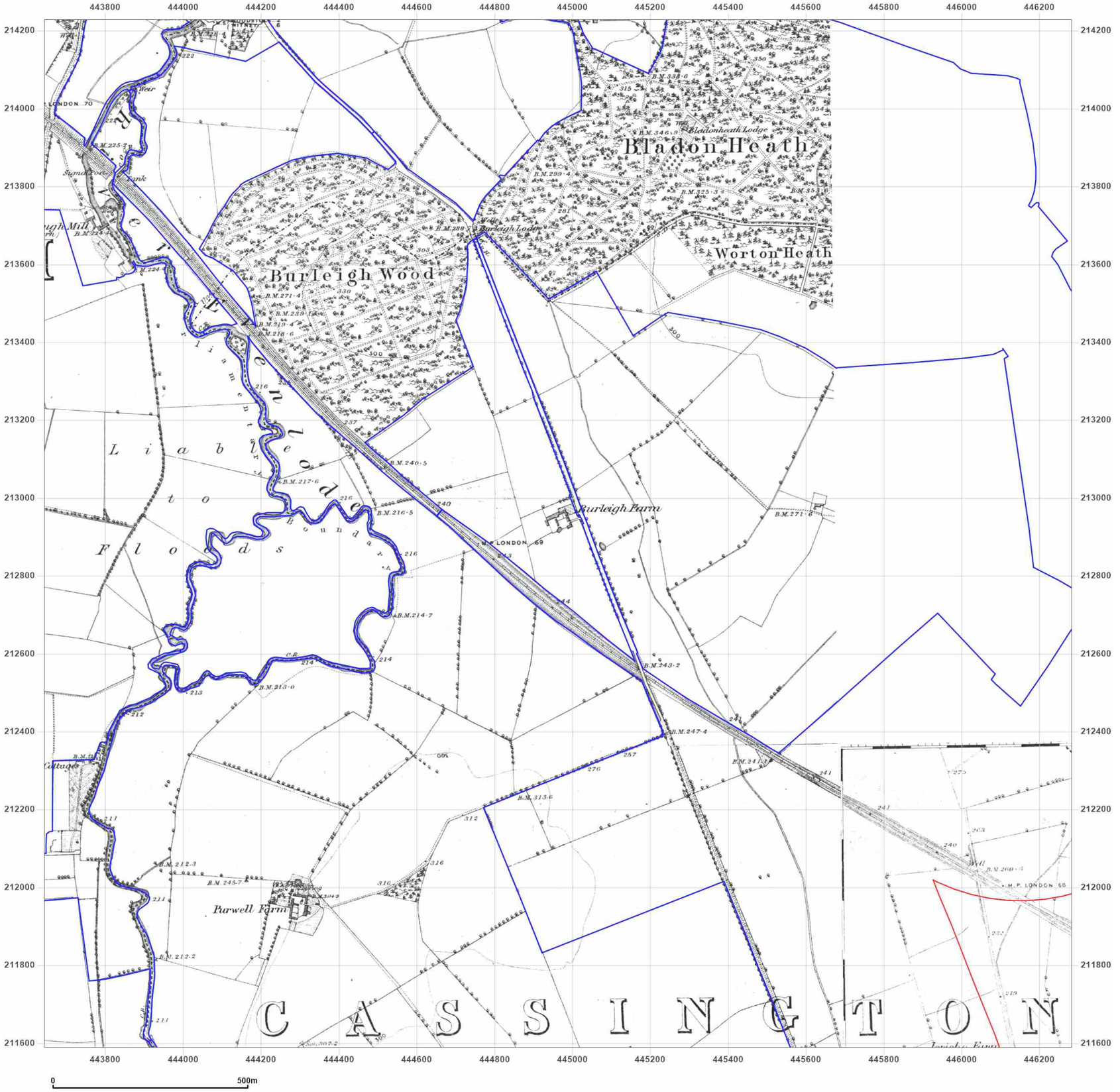
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1876-1880**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

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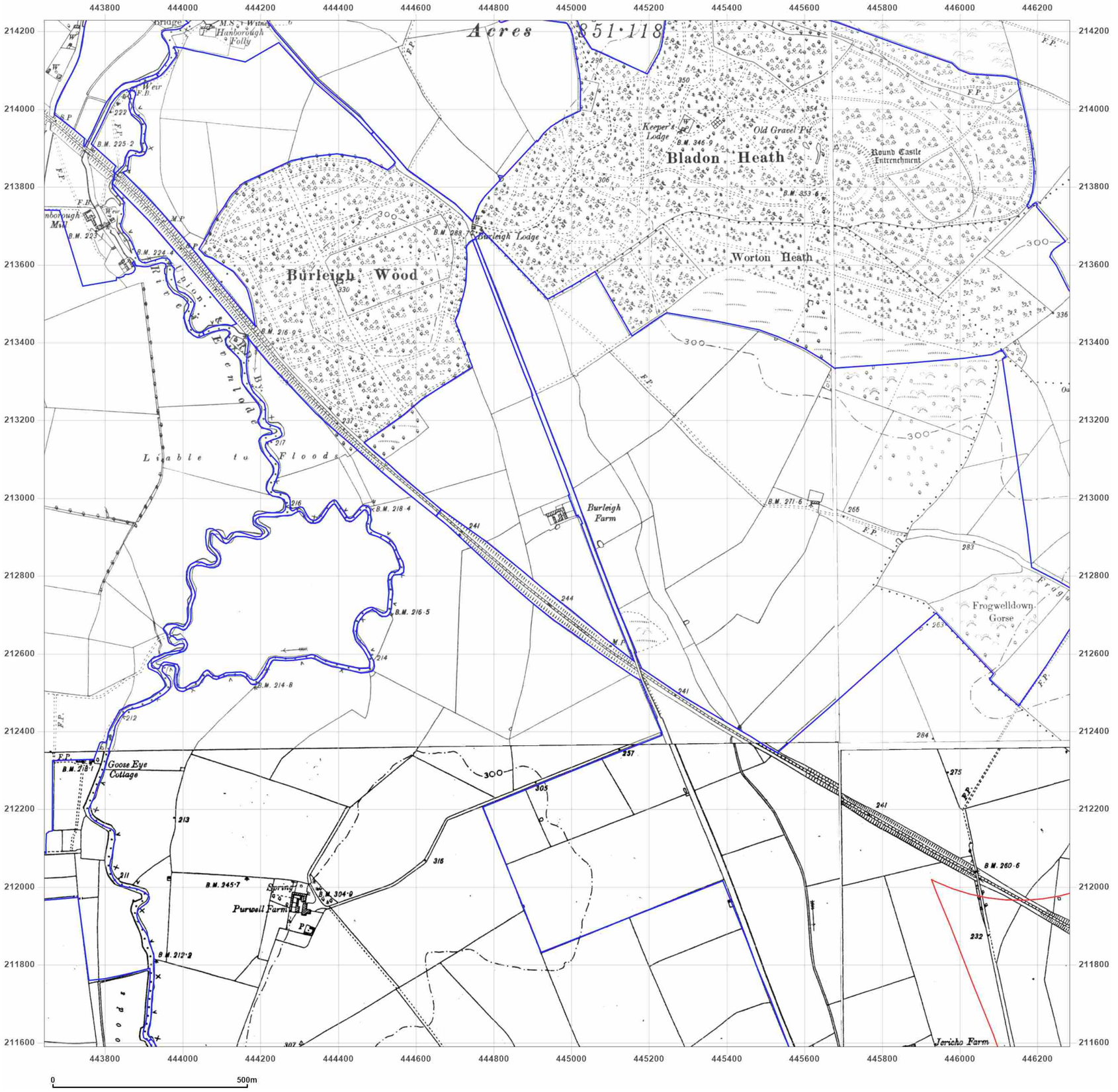
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1898-1900**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1873
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1875
Revised 1898
Edition 1900
Copyright N/A
Levelled N/A

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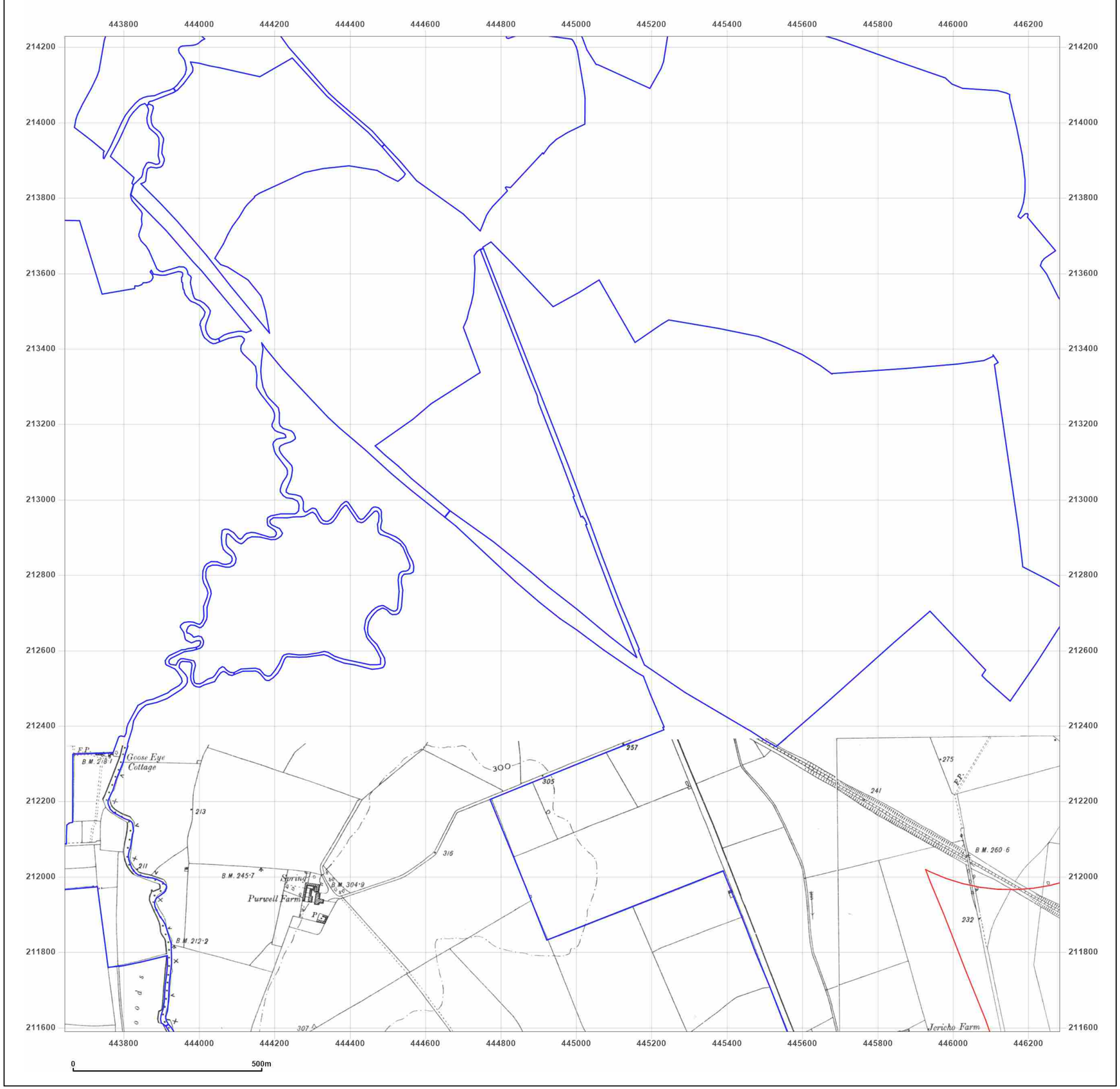
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1900**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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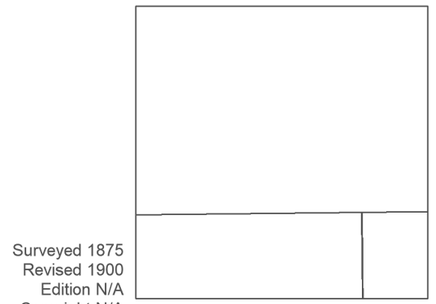

Surveyed 1875
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

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

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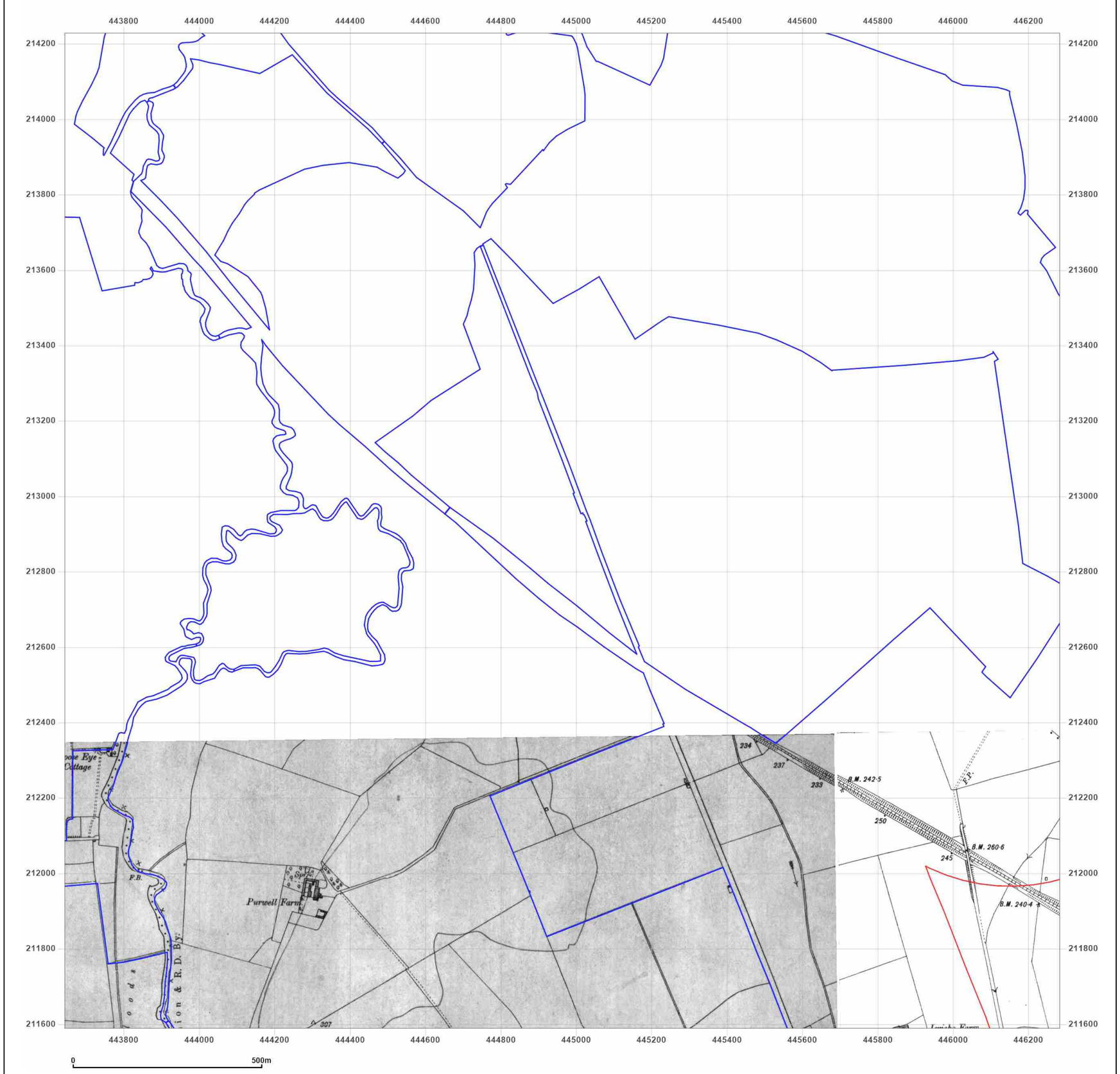
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1911**

Scale: 1:10,560

Printed at: 1:10,560

N
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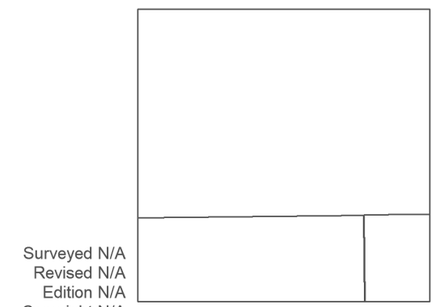

Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

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

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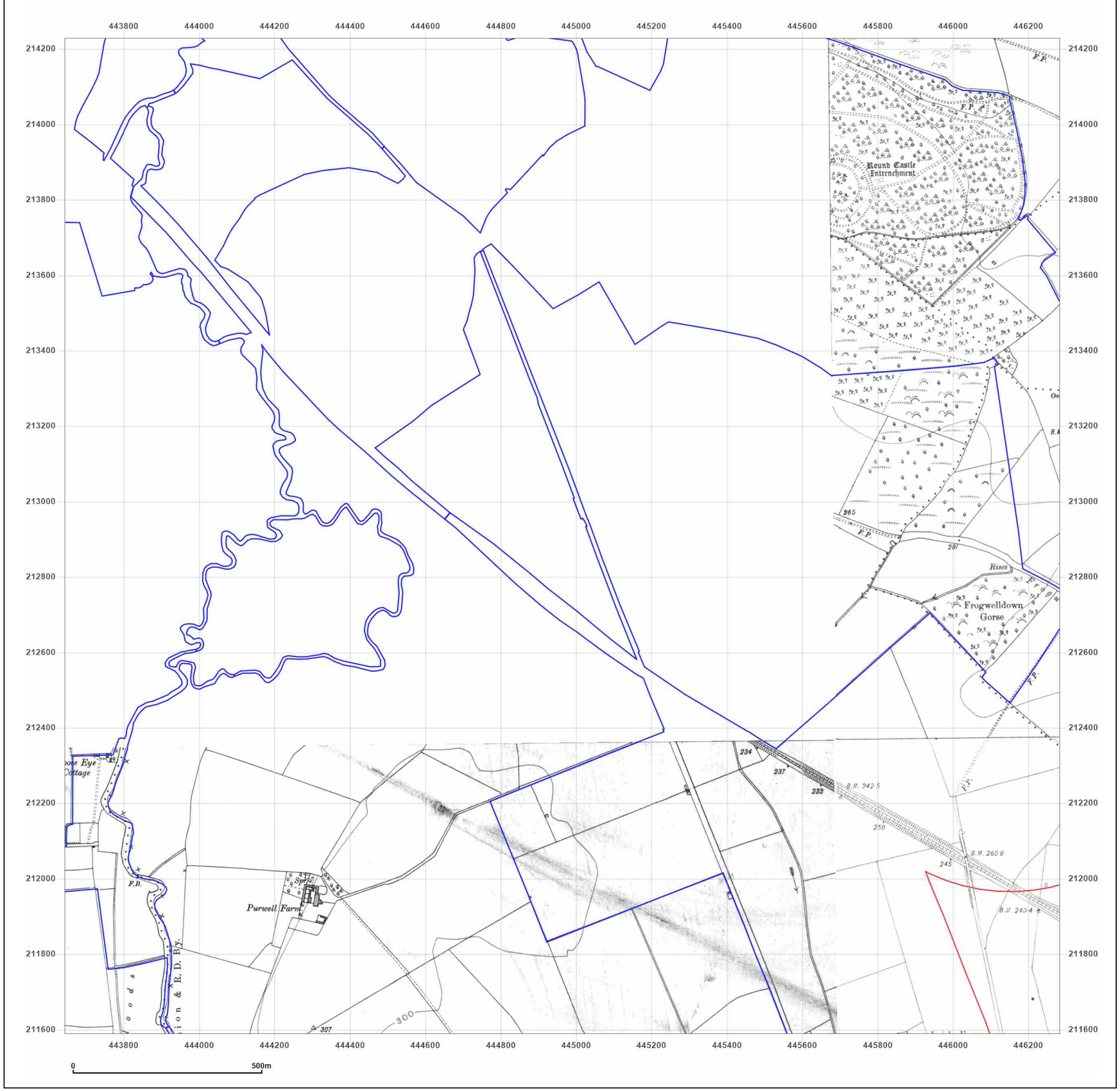
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1914-1919**

Scale: 1:10,560

Printed at: 1:10,560

N
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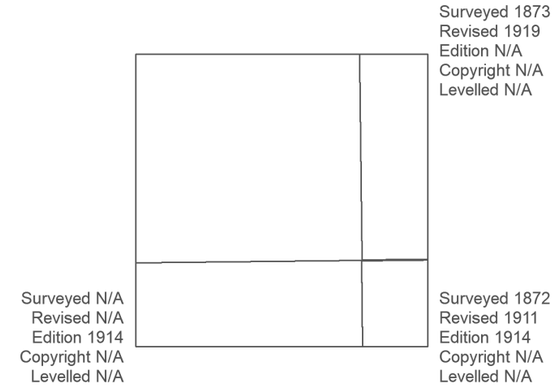

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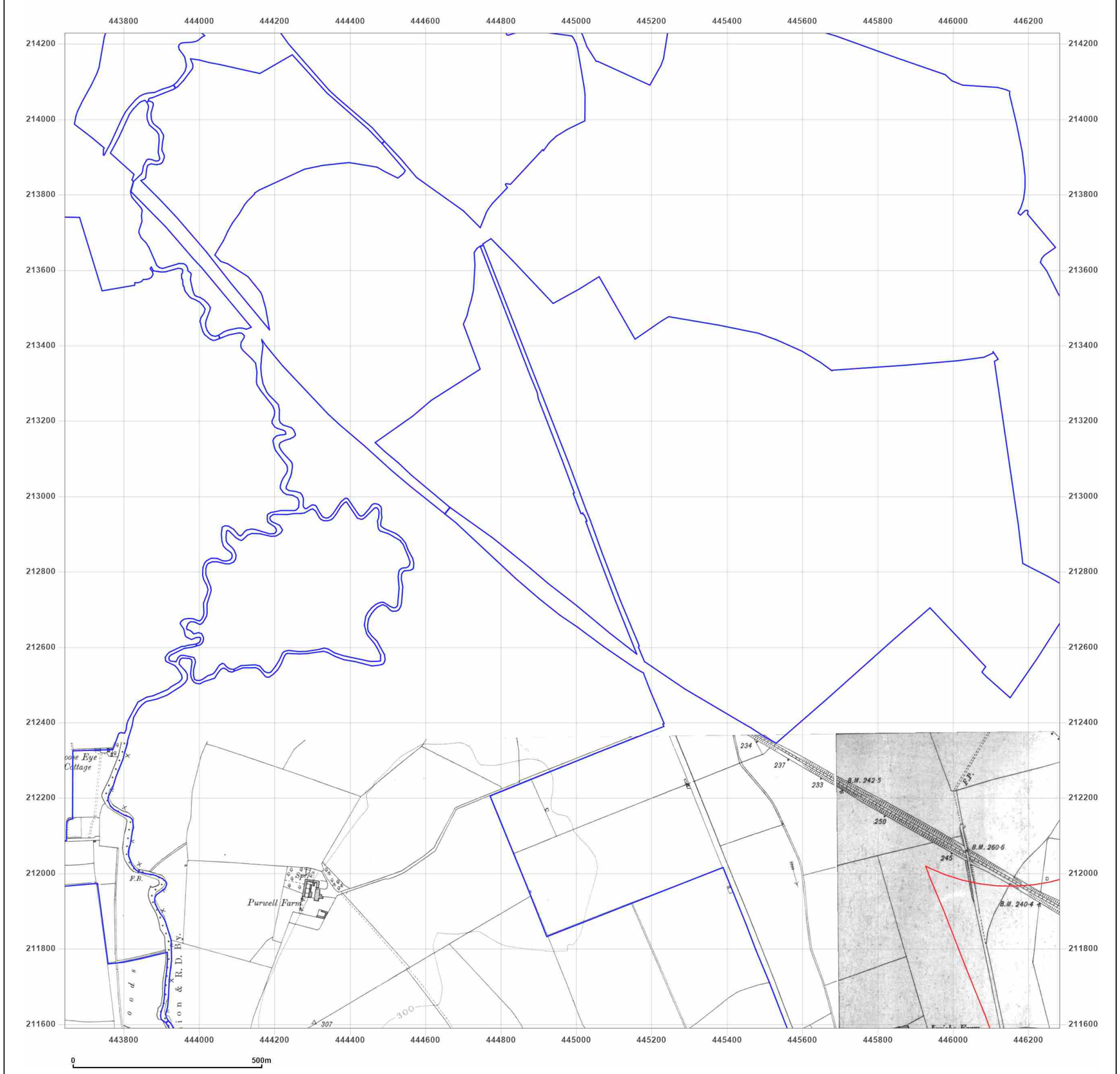
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1914-1919**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1872
Revised 1914
Edition 1914
Copyright N/A
Levelled N/A

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

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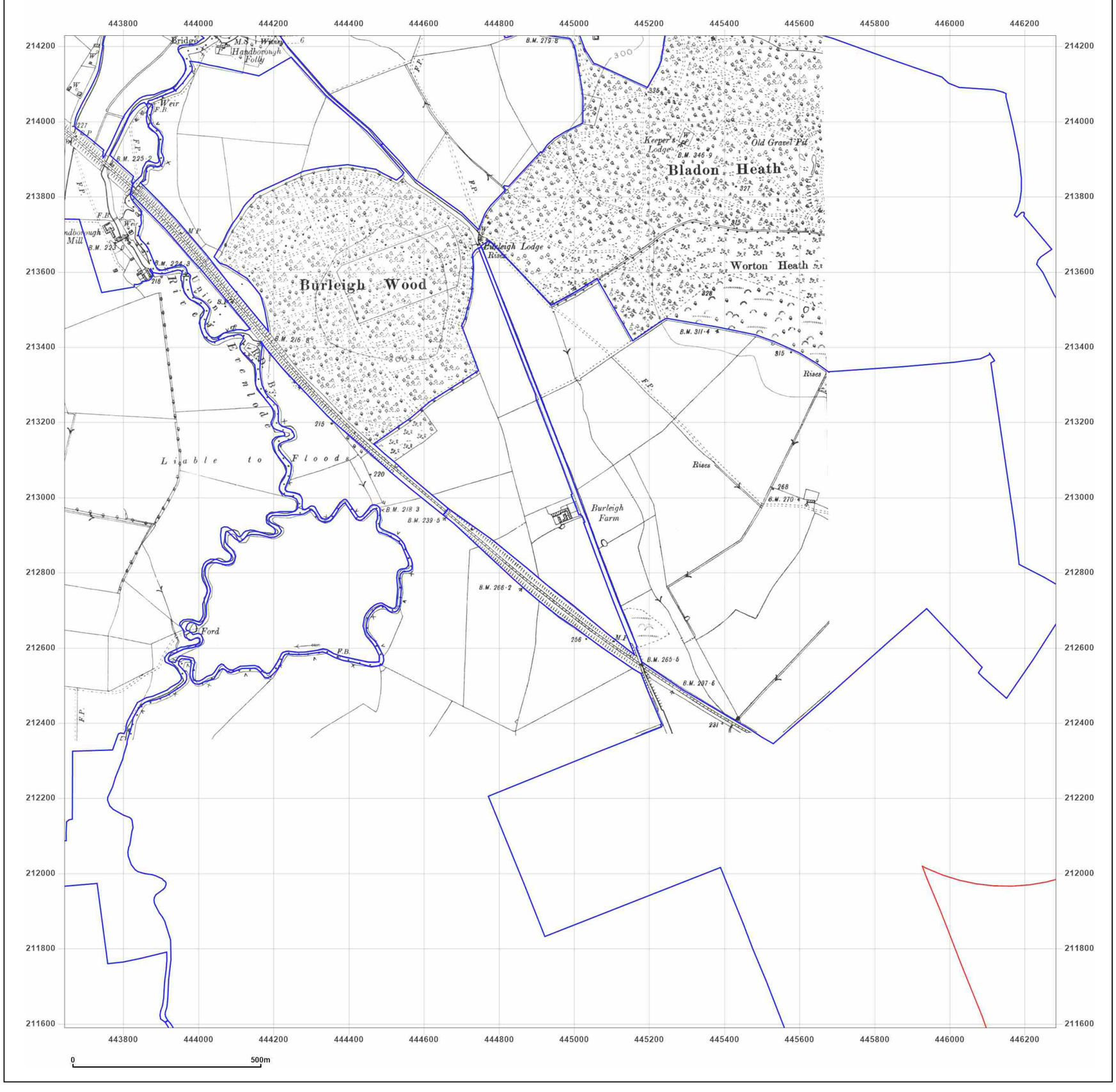
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1923**

Scale: 1:10,560

Printed at: 1:10,560

N
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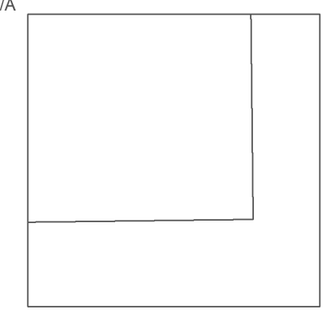
Surveyed 1879
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

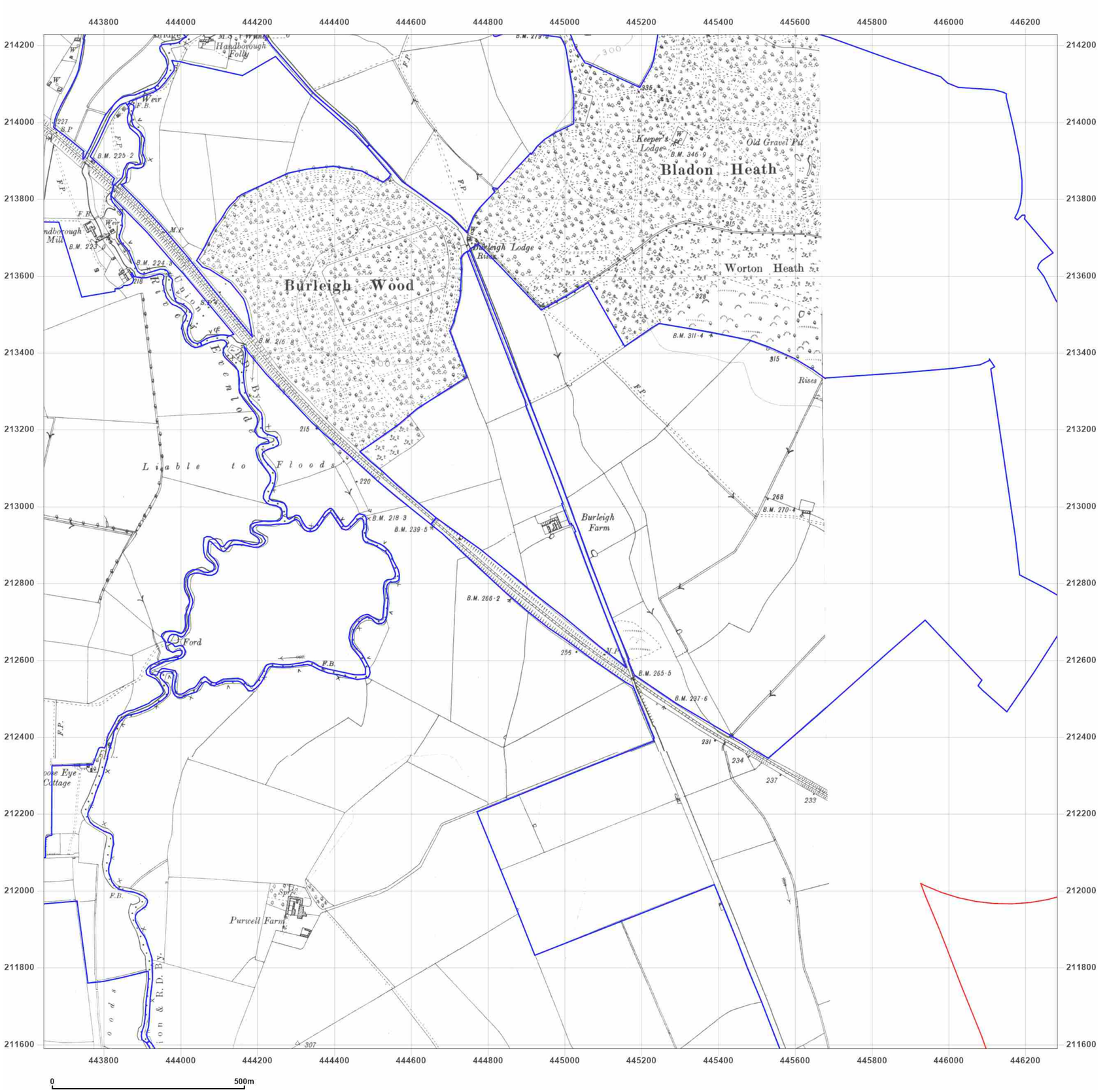


Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: County Series

Map date: **1922-1923**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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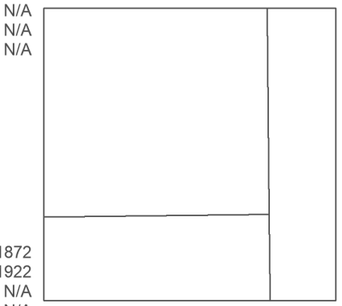
Surveyed 1875
Revised 1923
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1872
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

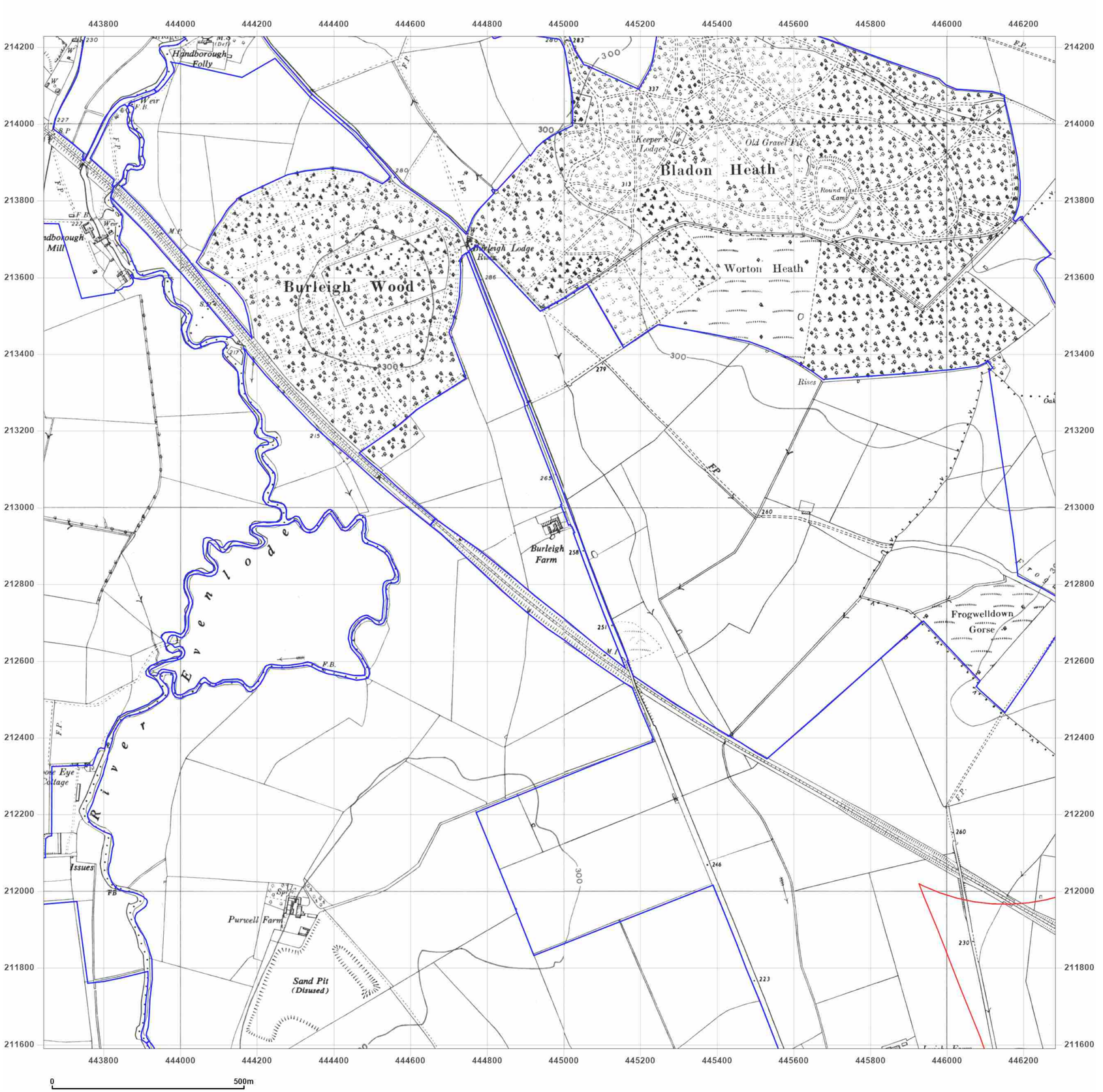


Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: Provisional
Map date: **1954-1955**
Scale: 1:10,560
Printed at: 1:10,560

N
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Surveyed N/A Revised 1954 Edition 1955 Copyright N/A Levelled N/A	Surveyed 1950 Revised 1950 Edition N/A Copyright N/A Levelled N/A

Powered by OS

Produced by
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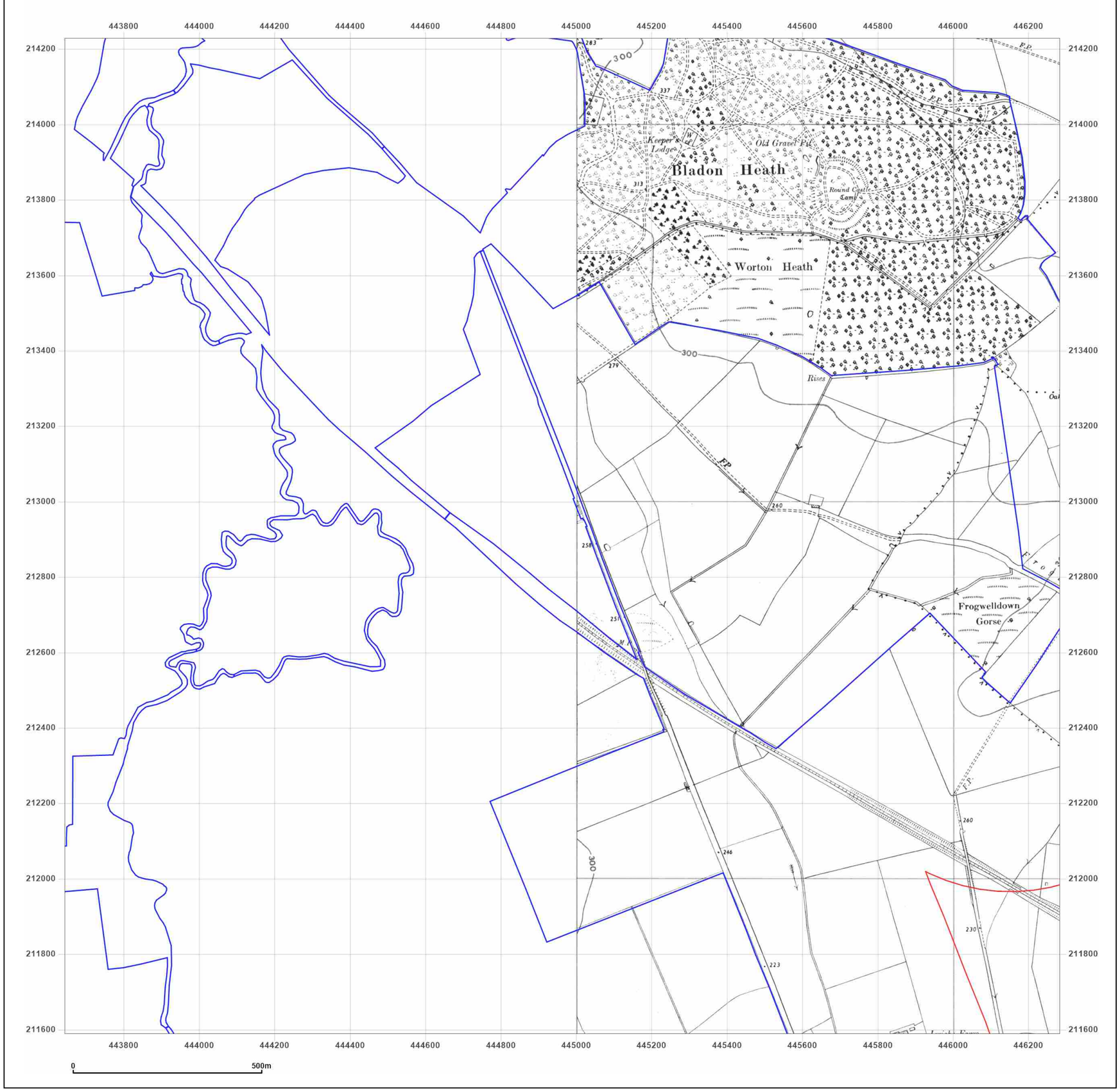
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: Provisional

Map date: **1955**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

Powered by OS

Produced by
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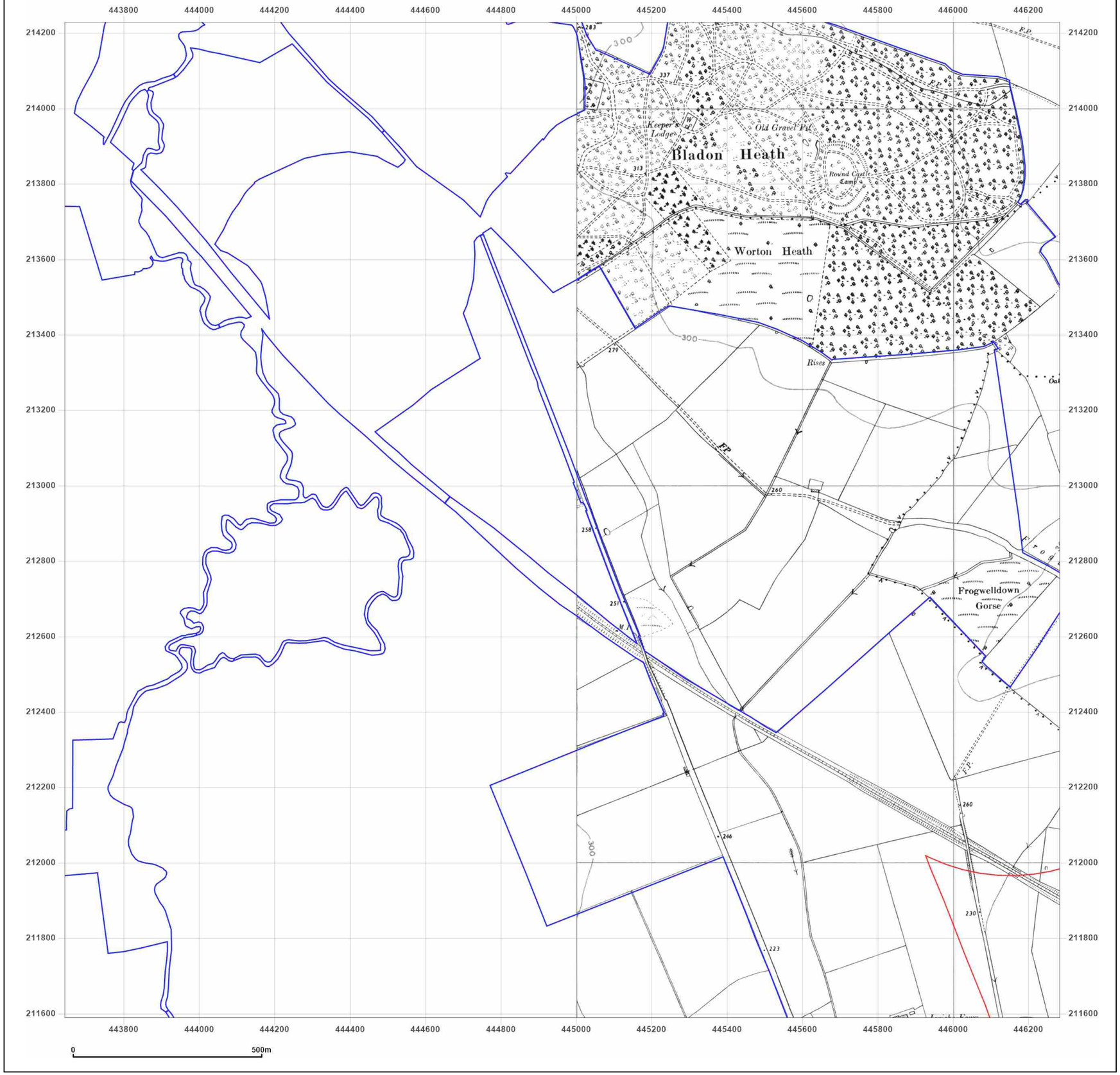
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: Provisional

Map date: **1967**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1950
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

Powered by

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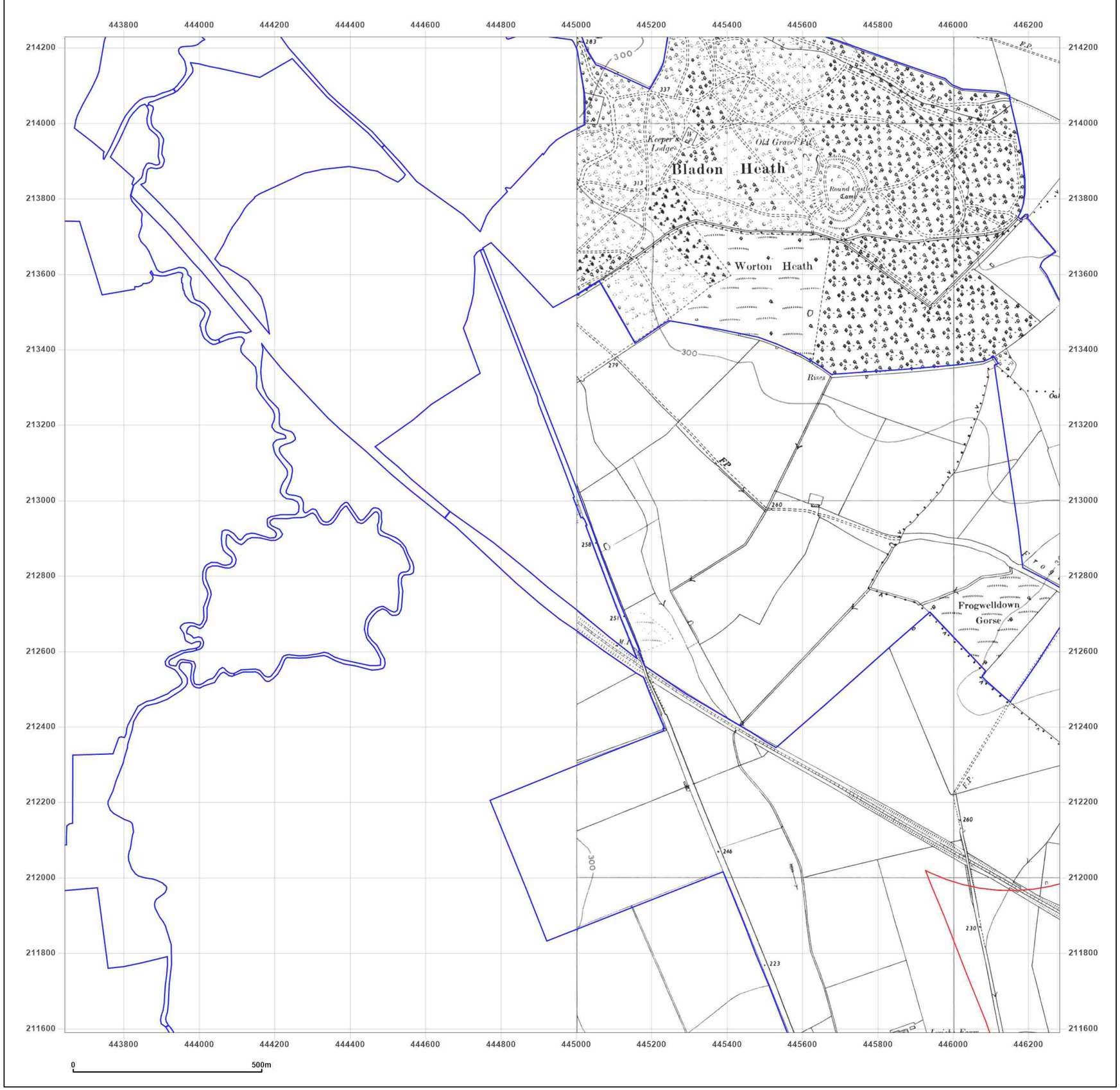
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: Provisional

Map date: **1969**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed N/A
Revised 1969
Edition 1955
Copyright N/A
Levelled N/A

Powered by

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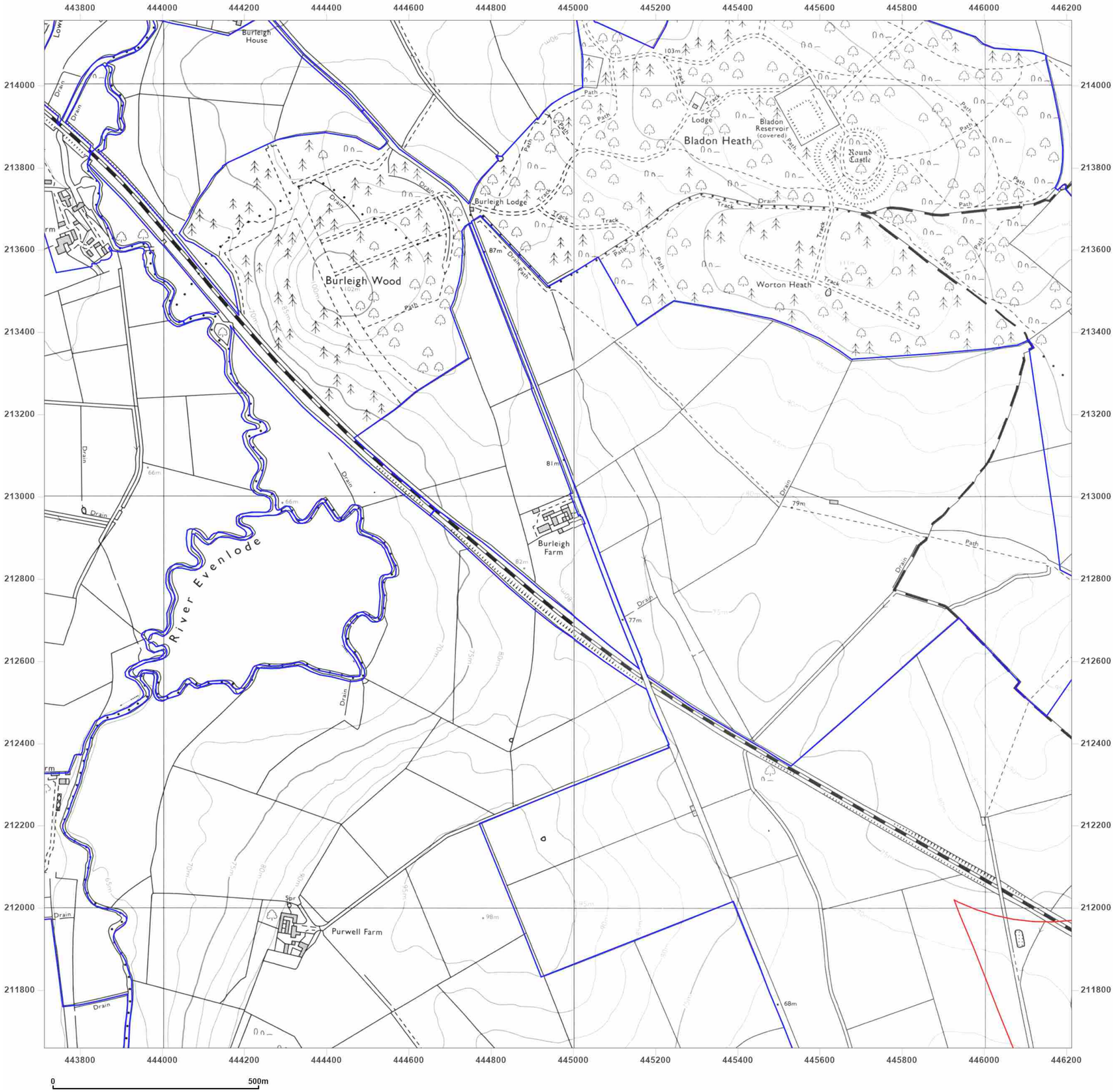
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: National Grid

Map date: **1980-1981**

Scale: 1:10,000

Printed at: 1:10,000

N
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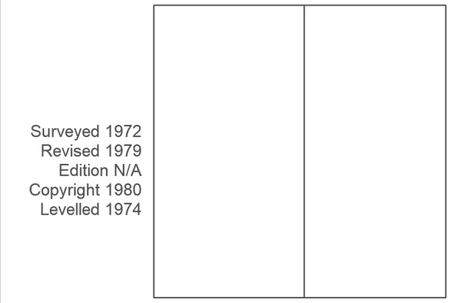
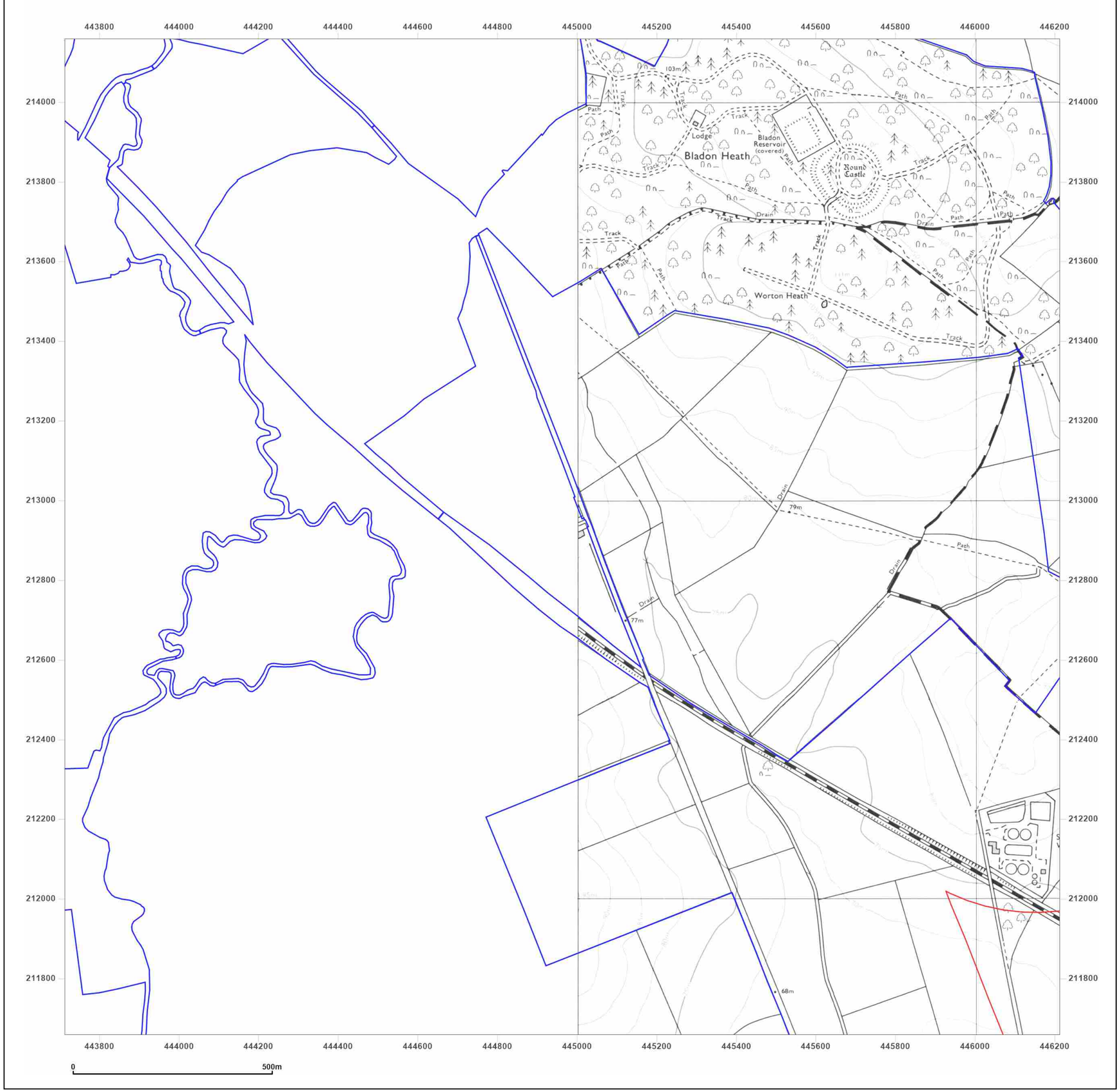


Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at: [redacted]



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: National Grid

Map date: **1992**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1991
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
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W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:

Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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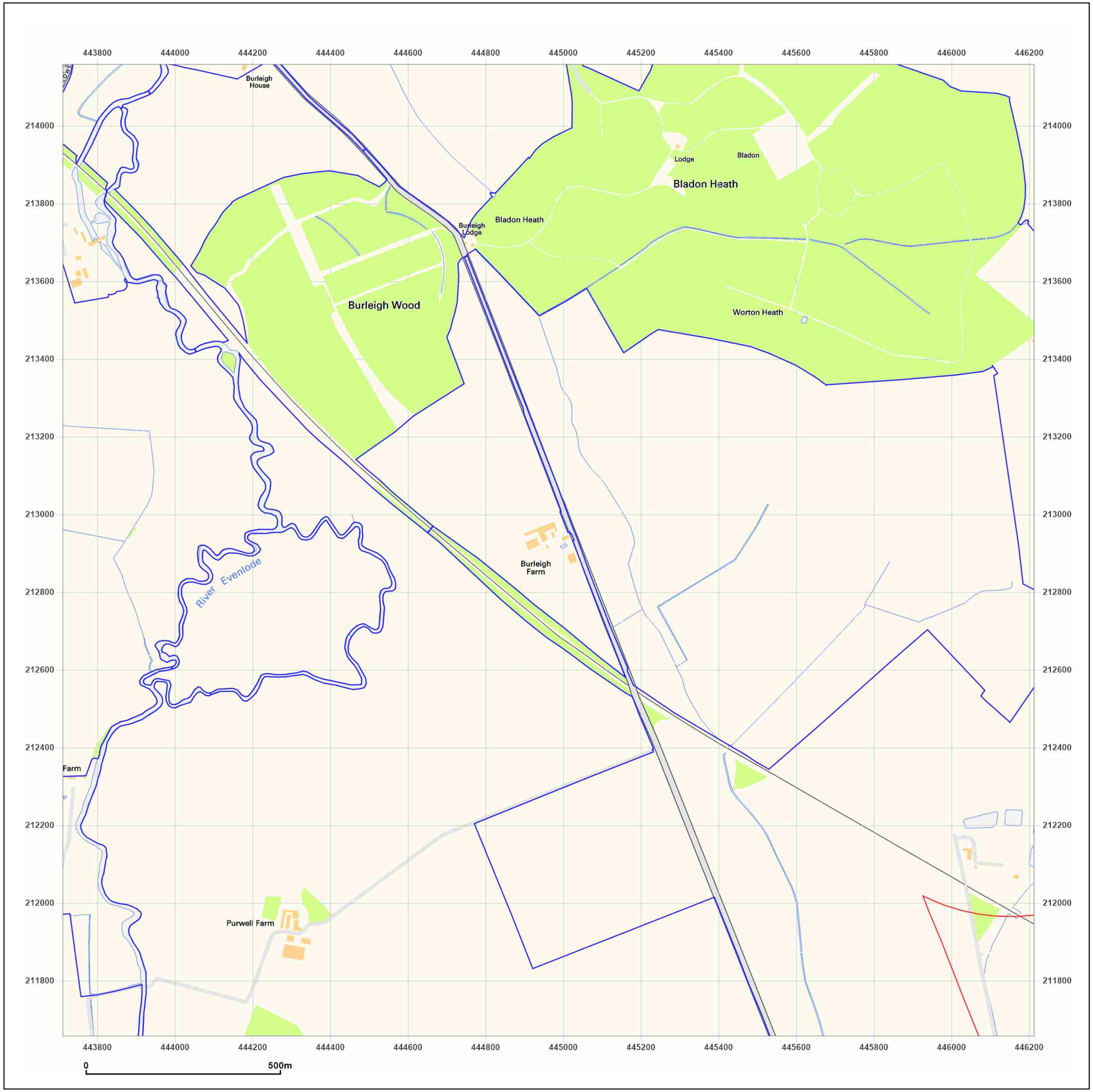
2001

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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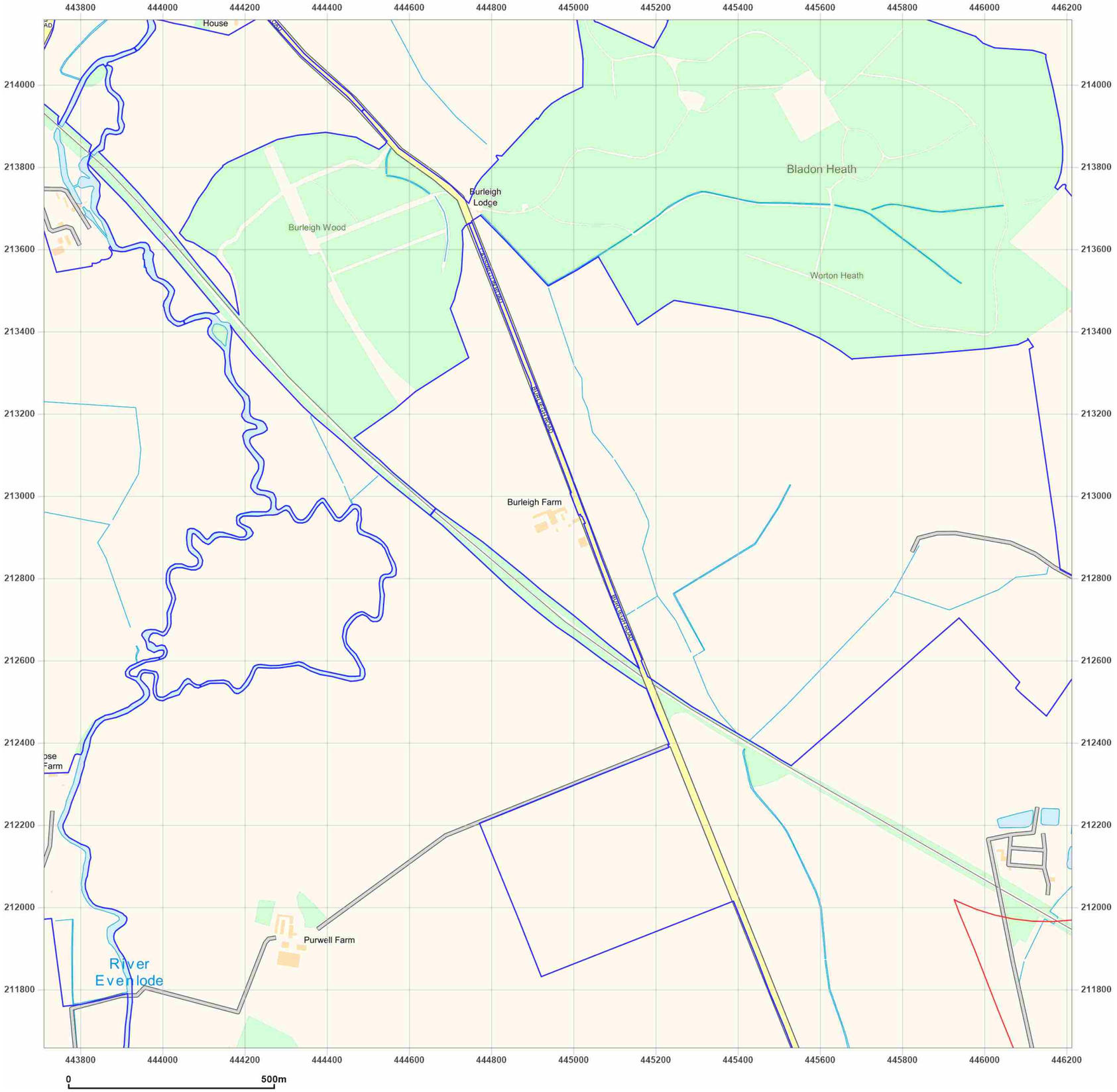
2010

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:



Groundsure INSIGHTS

Site Details:

Middle - BM Solar

Client Ref: Middle - BM Solar
Report Ref: GSIP-2022-12757-10509_SS_2_2
Grid Ref: 444962, 212908

Map Name: National Grid

Map date: **2022**

Scale: 1:10,000

Printed at: 1:10,000

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Powered by OS

Produced by
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W: www.groundsure.com

Production date: 25 May 2022

Map legend available at:

Annex D Groundsure Insights Environmental Data Reports

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Middle - BM Solar

Order Details

Date: 24/05/2022

Your ref: Middle - BM Solar

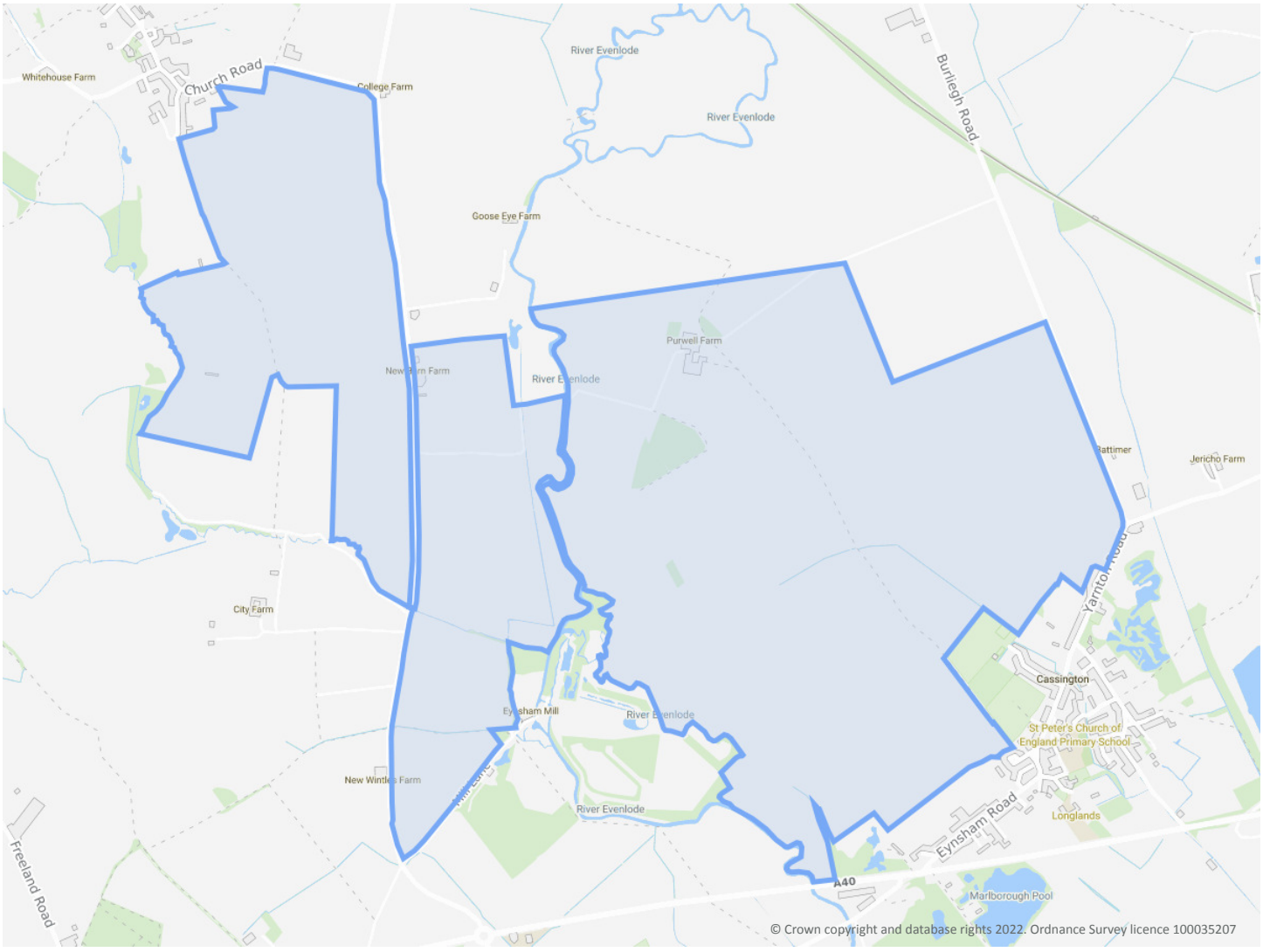
Our Ref: GSIP-2022-12757-10510

Site Details

Location: 443854 211314

Area: 342.19 ha

Authority: West Oxfordshire District Council



Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	4	8	33	28	-
16	1.2	Historical tanks	0	0	2	1	-
17	1.3	Historical energy features	0	0	3	2	-
17	1.4	Historical petrol stations	0	0	0	2	-
18	1.5	Historical garages	0	1	2	1	-
18	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
19	2.1	Historical industrial land uses	4	9	36	36	-
23	2.2	Historical tanks	0	0	2	1	-
23	2.3	Historical energy features	0	0	8	6	-
24	2.4	Historical petrol stations	0	0	0	4	-
24	2.5	Historical garages	0	1	2	2	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
26	3.1	Active or recent landfill	0	0	0	0	-
26	3.2	Historical landfill (BGS records)	0	0	0	0	-
27	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
27	3.4	Historical landfill (EA/NRW records)	0	0	1	4	-
28	3.5	Historical waste sites	0	0	0	1	-
28	3.6	Licensed waste sites	0	0	6	9	-
34	3.7	Waste exemptions	0	18	11	5	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
37	4.1	Recent industrial land uses	0	0	14	-	-
38	4.2	Current or recent petrol stations	0	0	0	2	-
39	4.3	Electricity cables	0	0	0	0	-
39	4.4	Gas pipelines	0	0	0	0	-
39	4.5	Sites determined as Contaminated Land	0	0	0	0	-

39	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
39	4.7	Regulated explosive sites	0	0	0	0	-
40	4.8	Hazardous substance storage/usage	0	0	0	0	-
40	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
40	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
40	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	2	1	-
41	4.12	Radioactive Substance Authorisations	0	0	0	0	-
41	**4.13**	**Licensed Discharges to controlled waters**	0	0	6	9	-
43	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
44	4.15	Pollutant release to public sewer	0	0	0	0	-
44	4.16	List 1 Dangerous Substances	0	0	0	0	-
44	4.17	List 2 Dangerous Substances	0	0	0	0	-
44	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	1	7	-
45	4.19	Pollution inventory substances	0	0	0	0	-
46	4.20	Pollution inventory waste transfers	0	0	0	0	-
46	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
47	**5.1**	**Superficial aquifer**	Identified (within 500m)				
50	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
52	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
63	**5.4**	**Groundwater vulnerability- soluble rock risk**	Identified (within 0m)				
64	5.5	Groundwater vulnerability- local information	None (within 0m)				
65	**5.6**	**Groundwater abstractions**	0	0	2	2	2
67	**5.7**	**Surface water abstractions**	0	0	0	0	6
68	**5.8**	**Potable abstractions**	0	0	0	0	2
69	5.9	Source Protection Zones	0	0	0	0	-
69	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
70	**6.1**	**Water Network (OS MasterMap)**	24	43	55	-	-

80	6.2	Surface water features	1	20	39	-	-
80	6.3	WFD Surface water body catchments	2	-	-	-	-
81	6.4	WFD Surface water bodies	1	0	1	-	-
81	6.5	WFD Groundwater bodies	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
82	7.1	Risk of flooding from rivers and the sea	High (within 50m)				
83	7.2	Historical Flood Events	76	45	98	-	-
95	7.3	Flood Defences	0	0	0	-	-
96	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
96	7.5	Flood Storage Areas	0	0	0	-	-
97	7.6	Flood Zone 2	Identified (within 50m)				
98	7.7	Flood Zone 3	Identified (within 50m)				
Page	Section	Surface water flooding					
99	8.1	Surface water flooding	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
101	9.1	Groundwater flooding	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
102	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	6
103	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
103	10.3	Special Areas of Conservation (SAC)	0	0	0	0	2
104	10.4	Special Protection Areas (SPA)	0	0	0	0	0
104	10.5	National Nature Reserves (NNR)	0	0	0	0	0
104	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
104	10.7	Designated Ancient Woodland	0	0	1	1	31
106	10.8	Biosphere Reserves	0	0	0	0	0
106	10.9	Forest Parks	0	0	0	0	0
106	10.10	Marine Conservation Zones	0	0	0	0	0
106	10.11	Green Belt	1	0	0	0	2
107	10.12	Proposed Ramsar sites	0	0	0	0	0

107	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
107	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
107	10.15	Nitrate Sensitive Areas	0	0	0	0	0
108	**10.16**	**Nitrate Vulnerable Zones**	3	0	0	0	8
109	**10.17**	**SSSI Impact Risk Zones**	10	-	-	-	-
114	**10.18**	**SSSI Units**	0	0	0	0	9
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
117	11.1	World Heritage Sites	0	0	0	-	-
118	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
118	11.3	National Parks	0	0	0	-	-
118	**11.4**	**Listed Buildings**	0	3	23	-	-
120	**11.5**	**Conservation Areas**	1	1	0	-	-
120	11.6	Scheduled Ancient Monuments	0	0	0	-	-
121	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
122	**12.1**	**Agricultural Land Classification**	Grade 2 (within 250m)				
124	12.2	Open Access Land	0	0	0	-	-
124	**12.3**	**Tree Felling Licences**	0	4	0	-	-
125	**12.4**	**Environmental Stewardship Schemes**	1	4	4	-	-
125	**12.5**	**Countryside Stewardship Schemes**	0	1	3	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
127	**13.1**	**Priority Habitat Inventory**	8	18	35	-	-
130	**13.2**	**Habitat Networks**	2	0	2	-	-
130	13.3	Open Mosaic Habitat	0	0	0	-	-
130	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
132	**14.1**	**10k Availability**	Identified (within 500m)				
133	**14.2**	**Artificial and made ground (10k)**	2	2	3	3	-
135	**14.3**	**Superficial geology (10k)**	1	0	2	3	-

136	14.4	Landslip (10k)	0	0	0	0	-
137	**14.5**	**Bedrock geology (10k)**	1	0	0	1	-
138	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
139	**15.1**	**50k Availability**	Identified (within 500m)				
140	**15.2**	**Artificial and made ground (50k)**	5	2	4	3	-
141	15.3	Artificial ground permeability (50k)	0	0	-	-	-
142	**15.4**	**Superficial geology (50k)**	8	0	7	5	-
143	**15.5**	**Superficial permeability (50k)**	Identified (within 50m)				
144	15.6	Landslip (50k)	0	0	0	0	-
144	15.7	Landslip permeability (50k)	None (within 50m)				
145	**15.8**	**Bedrock geology (50k)**	7	0	3	3	-
146	**15.9**	**Bedrock permeability (50k)**	Identified (within 50m)				
147	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
148	**16.1**	**BGS Boreholes**	16	3	21	-	-
Page	Section	Natural ground subsidence					
151	**17.1**	**Shrink swell clays**	Moderate (within 50m)				
153	**17.2**	**Running sands**	Low (within 50m)				
155	**17.3**	**Compressible deposits**	Moderate (within 50m)				
157	**17.4**	**Collapsible deposits**	Very low (within 50m)				
158	**17.5**	**Landslides**	Moderate (within 50m)				
160	**17.6**	**Ground dissolution of soluble rocks**	Low (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
162	18.1	Natural cavities	0	0	0	0	-
163	**18.2**	**BritPits**	4	2	9	8	-
167	**18.3**	**Surface ground workings**	3	3	31	-	-
168	18.4	Underground workings	0	0	0	0	0
168	**18.5**	**Historical Mineral Planning Areas**	7	2	2	3	-

169	18.6	Non-coal mining	0	0	0	0	0
170	18.7	Mining cavities	0	0	0	0	0
170	18.8	JPB mining areas	None (within 0m)				
170	18.9	Coal mining	None (within 0m)				
170	18.10	Brine areas	None (within 0m)				
170	18.11	Gypsum areas	None (within 0m)				
171	18.12	Tin mining	None (within 0m)				
171	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
172	**19.1**	**Radon**	Less than 1% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
173	**20.1**	**BGS Estimated Background Soil Chemistry**	137	19	-	-	-
182	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
182	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
183	21.1	Underground railways (London)	0	0	0	-	-
183	21.2	Underground railways (Non-London)	0	0	0	-	-
183	21.3	Railway tunnels	0	0	0	-	-
183	21.4	Historical railway and tunnel features	0	0	0	-	-
183	21.5	Royal Mail tunnels	0	0	0	-	-
184	21.6	Historical railways	0	0	0	-	-
184	21.7	Railways	0	0	0	-	-
184	21.8	Crossrail 1	0	0	0	0	-
184	21.9	Crossrail 2	0	0	0	0	-
184	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 24/08/2019

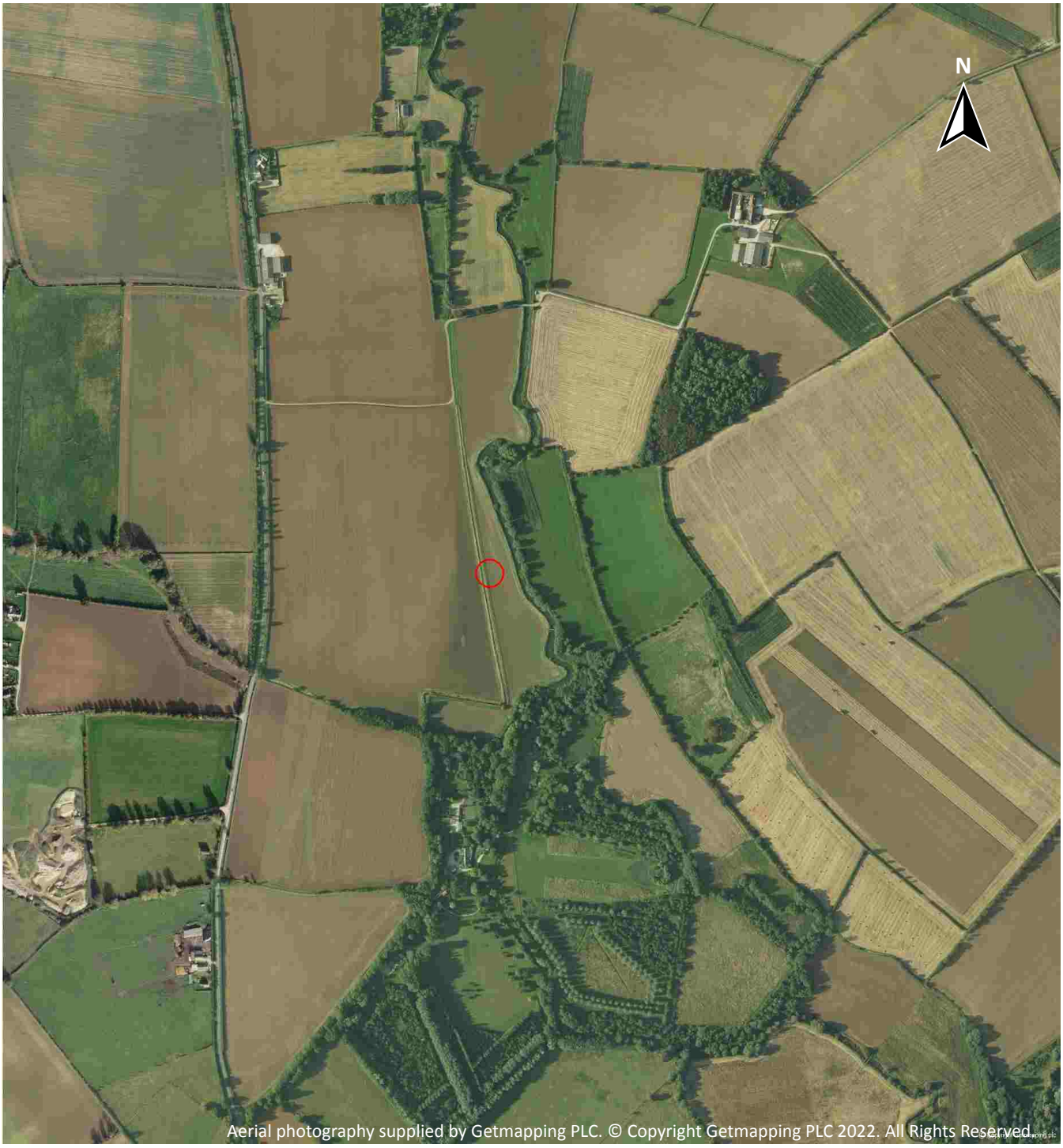
Site Area: 342.19ha

Recent site history - 2018 aerial photograph

Capture Date: 28/06/2018

Site Area: 342.19ha

Recent site history - 2009 aerial photograph



Capture Date: 19/08/2009

Site Area: 342.19ha

Recent site history - 2000 aerial photograph

Capture Date: 12/08/2000

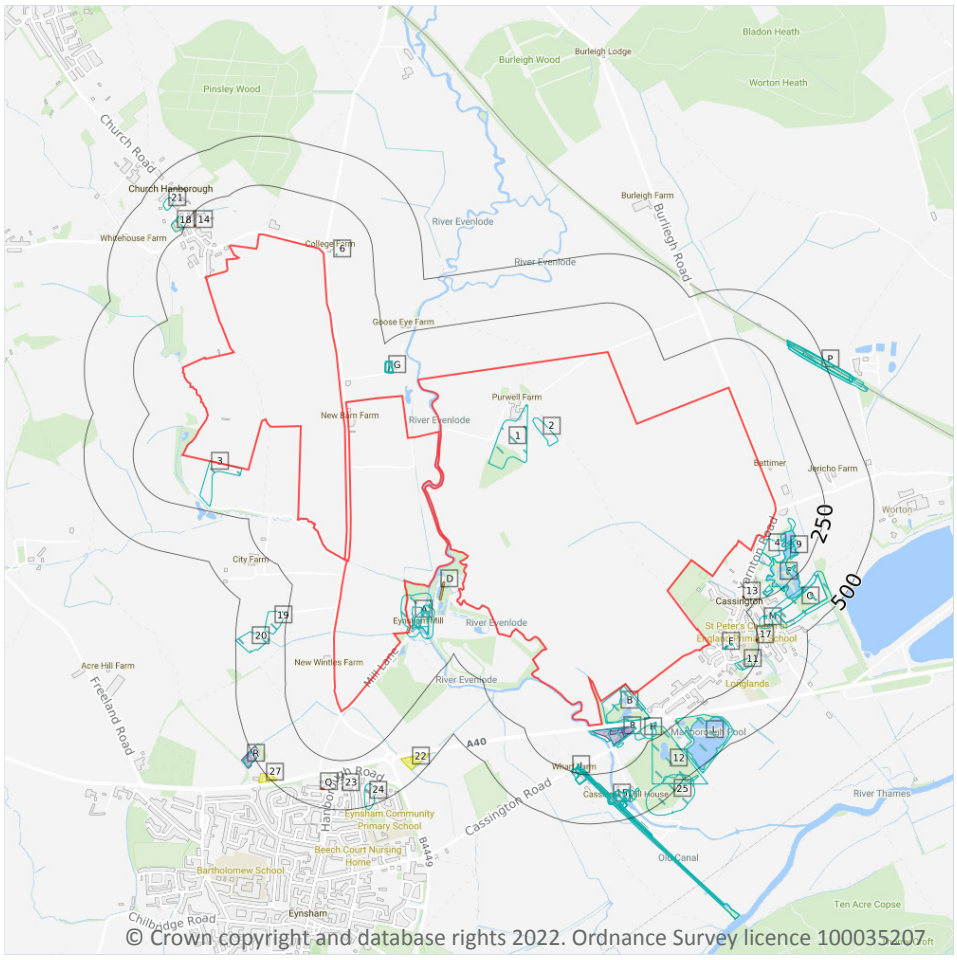
Site Area: 342.19ha

Recent site history - 1999 aerial photograph

Capture Date: 02/09/1999

Site Area: 342.19ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	73

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 13**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Disused Sand Pit**	**1950**	**1757320**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Unspecified Pit**	**1950**	**1778296**
3	**On site**	**Unspecified Disused Pit**	**1978**	**1766741**
A	**On site**	**Unspecified Mills**	**1900**	**1798097**
B	0m SW	Unspecified Disused Pit	1978	1766742
B	2m SE	Unspecified Pit	1950	1778294
A	7m E	Paper Mill	1876	1773121
A	8m E	Unspecified Disused Mills	1914 - 1922	1815872
4	18m SE	Nursery	1992	1772309
C	29m S	Garage	1978	1780270
A	32m E	Unspecified Mill	1978	1758805
A	50m E	Unspecified Mills	1900	1832307
C	53m SE	Unspecified Pit	1950	1778295
5	57m SE	Unspecified Depot	1992	1764000
6	62m E	Unspecified Kiln	1880	1769408
E	71m E	Unspecified Disused Pit	1979	1818332
E	71m E	Unspecified Disused Pit	1992	1830357
F	78m E	Smithy	1914	1840018
F	78m E	Smithy	1922	1807652
F	83m E	Smithy	1900	1826864
7	89m S	Boat House	1876	1763371
F	107m E	Smithy	1900	1779760
G	120m N	Unspecified Pit	1876	1793923
G	124m N	Unspecified Pit	1922	1834844
G	124m N	Unspecified Pit	1914	1810048
G	127m N	Unspecified Pit	1950	1831051
9	130m E	Unspecified Pit	1938	1778282
10	136m SE	Sand Pit	1876	1753274
11	162m SE	Grave Yard	1876	1762904

ID	Location	Land use	Dates present	Group ID
H	174m SE	Unspecified Works	1978	1771575
12	177m SE	Disused Workings	1992	1761787
H	192m SE	Unspecified Disused Pit	1979	1766743
I	200m SE	Unspecified Depot	1992	1784315
15	203m S	Old Canal	1970 - 1988	1793503
16	204m S	Old Canal	1900	1841061
J	210m S	Unspecified Wharf	1900	1819258
K	214m S	Old Canal	1914	1781608
K	216m S	Old Canal	1922	1828878
J	217m S	Unspecified Wharf	1876 - 1900	1806482
I	219m S	Unspecified Depot	1979	1787846
J	223m S	Unspecified Wharf	1914	1829106
J	224m S	Unspecified Wharf	1922	1799593
J	226m S	Unspecified Wharf	1950	1847046
L	233m SE	Unspecified Pit	1968	1778290
18	249m W	Grave Yard	1880	1762903
19	258m W	Gravel Pit	1978	1758019
M	276m E	Refuse Heap	1922	1770812
L	296m SE	Unspecified Disused Pit	1979	1766746
N	297m S	Old Canal	1956	1838461
O	304m SE	Burial Ground	1968	1759834
M	307m NE	Unspecified Ground Workings	1900	1755492
O	327m SE	Unspecified Disused Pit	1979	1816470
O	327m SE	Unspecified Disused Pit	1992	1788961
20	328m W	Gravel Pit	1978	1758018
N	347m S	Unspecified Mill	1900	1833774
N	350m S	Corn Mill	1914 - 1922	1812045
N	357m S	Unspecified Mill	1900	1839793

ID	Location	Land use	Dates present	Group ID
21	358m NW	Old Gravel Pit	1898 - 1950	1810155
P	363m NE	Cuttings	1900 - 1968	1836004
P	364m NE	Cuttings	1876	1785630
P	367m NE	Cuttings	1914	1788719
N	370m SE	Corn Mill	1876	1818593
P	370m NE	Cuttings	1922 - 1938	1782313
P	371m NE	Cuttings	1900	1802321
N	372m SE	Unspecified Mill	1956	1758804
N	390m S	Unspecified Mill	1988	1804004
N	390m S	Unspecified Mill	1970	1846086
24	393m S	Old Gravel Pit	1956	1778676
P	412m NE	Cuttings	1979	1818893
P	412m NE	Cuttings	1992	1836417
25	418m SE	Unspecified Disused Pit	1971	1766745
26	418m SE	Unspecified Ground Workings	1968	1755510
R	489m SW	Garage	1978	1780268

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m **3**

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 13**

ID	Location	Land use	Dates present	Group ID
D	52m SE	Tanks	1994	287702
D	62m SE	Tanks	1994	287701

ID	Location	Land use	Dates present	Group ID
23	390m S	Unspecified Tank	1969	285034

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**5**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, 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 13**

ID	Location	Land use	Dates present	Group ID
13	184m SE	Electricity Substation	1972 - 1994	175980
14	200m NW	Electricity Substation	1972 - 1994	182437
17	238m E	Electricity Substation	1972 - 1994	181146
Q	400m S	Electricity Substation	1985 - 1987	182215
Q	403m S	Electricity Substation	1969 - 1995	184230

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**2**

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'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
22	378m SE	Filling Station	1985 - 1994	3153
27	477m SW	Filling Station	1985 - 1994	3208

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	4

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 13**

ID	Location	Land use	Dates present	Group ID
C	29m S	Garage	1994	55687
C	53m SE	Garage	1972	57296
8	97m E	Commercial Vehicle Repair Works	1972	54899
R	465m SW	Garage	1972 - 1994	58397

This data is sourced from Ordnance Survey / Groundsure.

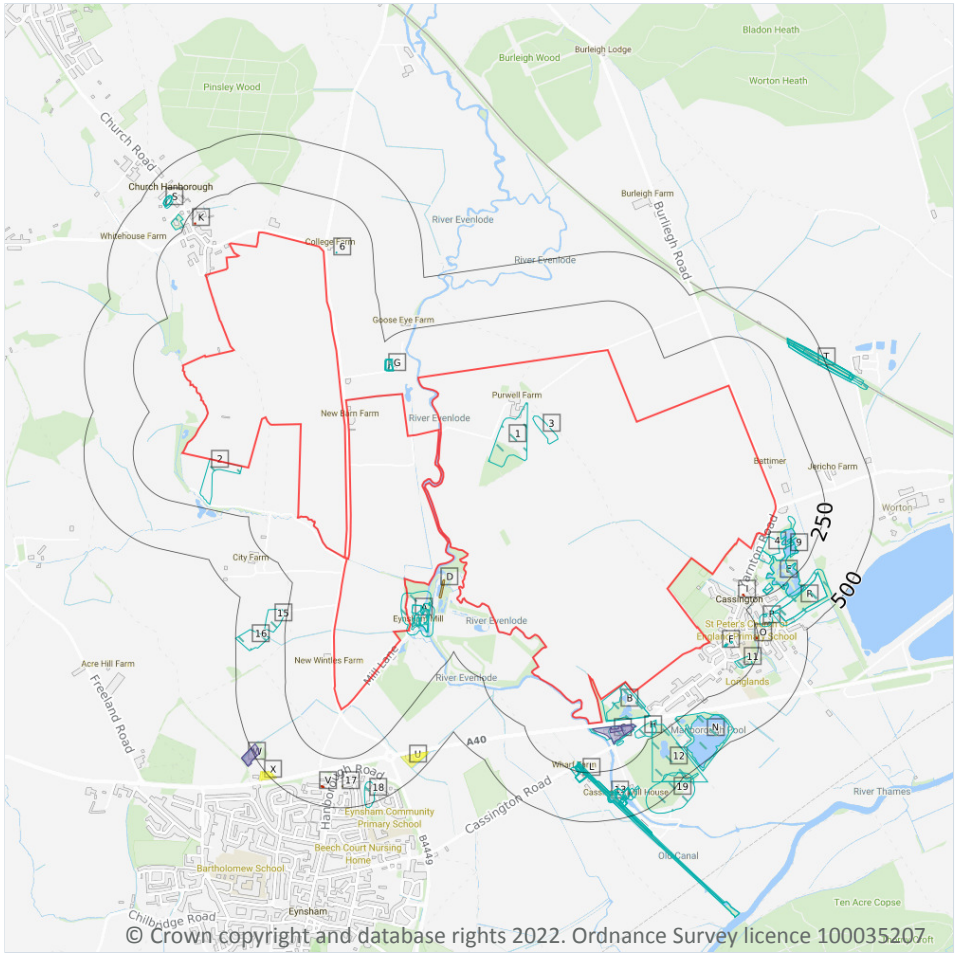
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	85

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 19**

ID	Location	Land Use	Date	Group ID
1	On site	Disused Sand Pit	1950	1757320
2	On site	Unspecified Disused Pit	1978	1766741
3	On site	Unspecified Pit	1950	1778296

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Mills**	**1900**	**1798097**
B	0m SW	Unspecified Disused Pit	1978	1766742
B	2m SE	Unspecified Pit	1950	1778294
A	7m E	Paper Mill	1876	1773121
A	8m E	Unspecified Disused Mills	1914	1815872
4	18m SE	Nursery	1992	1772309
A	27m E	Unspecified Disused Mills	1922	1815872
C	29m S	Garage	1978	1780270
A	32m E	Unspecified Mill	1978	1758805
A	50m E	Unspecified Mills	1900	1832307
C	53m SE	Unspecified Pit	1950	1778295
5	57m SE	Unspecified Depot	1992	1764000
6	62m E	Unspecified Kiln	1880	1769408
E	71m E	Unspecified Disused Pit	1979	1818332
E	71m E	Unspecified Disused Pit	1992	1830357
F	78m E	Smithy	1914	1840018
F	78m E	Smithy	1922	1807652
F	83m E	Smithy	1900	1826864
7	89m S	Boat House	1876	1763371
F	107m E	Smithy	1900	1779760
G	120m N	Unspecified Pit	1876	1793923
G	124m N	Unspecified Pit	1922	1834844
G	124m N	Unspecified Pit	1914	1810048
G	124m N	Unspecified Pit	1914	1810048
G	127m N	Unspecified Pit	1950	1831051
9	130m E	Unspecified Pit	1938	1778282
10	136m SE	Sand Pit	1876	1753274
11	162m SE	Grave Yard	1876	1762904

ID	Location	Land Use	Date	Group ID
H	174m SE	Unspecified Works	1978	1771575
12	177m SE	Disused Workings	1992	1761787
H	192m SE	Unspecified Disused Pit	1979	1766743
J	200m SE	Unspecified Depot	1992	1784315
L	203m S	Old Canal	1978	1793503
13	204m S	Old Canal	1900	1841061
L	210m S	Unspecified Wharf	1900	1819258
M	214m S	Old Canal	1914	1781608
M	216m S	Old Canal	1922	1828878
L	217m S	Unspecified Wharf	1900	1806482
J	219m S	Unspecified Depot	1979	1787846
L	221m S	Unspecified Wharf	1876	1806482
L	223m S	Unspecified Wharf	1914	1829106
L	223m S	Unspecified Wharf	1914	1829106
L	224m S	Unspecified Wharf	1922	1799593
L	226m S	Unspecified Wharf	1950	1847046
N	233m SE	Unspecified Pit	1968	1778290
14	249m W	Grave Yard	1880	1762903
15	258m W	Gravel Pit	1978	1758019
P	276m E	Refuse Heap	1922	1770812
N	296m SE	Unspecified Disused Pit	1979	1766746
Q	297m S	Old Canal	1988	1793503
Q	297m S	Old Canal	1956	1838461
Q	297m S	Old Canal	1970	1793503
R	304m SE	Burial Ground	1968	1759834
P	307m NE	Unspecified Ground Workings	1900	1755492
R	327m SE	Unspecified Disused Pit	1979	1816470
R	327m SE	Unspecified Disused Pit	1992	1788961

ID	Location	Land Use	Date	Group ID
16	328m W	Gravel Pit	1978	1758018
Q	347m S	Unspecified Mill	1900	1833774
Q	350m S	Corn Mill	1914	1812045
Q	357m S	Unspecified Mill	1900	1839793
S	358m NW	Old Gravel Pit	1923	1810155
Q	361m S	Corn Mill	1922	1812045
T	363m NE	Cuttings	1900	1836004
T	364m NE	Cuttings	1876	1785630
T	367m NE	Cuttings	1914	1788719
S	369m NW	Old Gravel Pit	1923	1810155
S	369m NW	Old Gravel Pit	1898	1810155
S	369m NW	Old Gravel Pit	1950	1810155
Q	370m SE	Corn Mill	1876	1818593
T	370m NE	Cuttings	1938	1782313
T	370m NE	Cuttings	1922	1782313
T	371m NE	Cuttings	1900	1802321
Q	372m SE	Unspecified Mill	1956	1758804
T	386m NE	Cuttings	1968	1836004
Q	390m S	Unspecified Mill	1988	1804004
Q	390m S	Unspecified Mill	1970	1846086
18	393m S	Old Gravel Pit	1956	1778676
T	412m NE	Cuttings	1979	1818893
T	412m NE	Cuttings	1992	1836417
19	418m SE	Unspecified Disused Pit	1971	1766745
20	418m SE	Unspecified Ground Workings	1968	1755510
W	489m SW	Garage	1978	1780268

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	3

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 19**

ID	Location	Land Use	Date	Group ID
D	52m SE	Tanks	1994	287702
D	62m SE	Tanks	1994	287701
17	390m S	Unspecified Tank	1969	285034

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	14

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 19**

ID	Location	Land Use	Date	Group ID
I	184m SE	Electricity Substation	1994	175980
I	185m SE	Electricity Substation	1972	175980
I	186m SE	Electricity Substation	1989	175980
K	200m NW	Electricity Substation	1972	182437
K	200m NW	Electricity Substation	1994	182437
O	238m E	Electricity Substation	1994	181146
O	239m E	Electricity Substation	1972	181146
O	240m E	Electricity Substation	1989	181146
V	400m S	Electricity Substation	1985	182215
V	400m S	Electricity Substation	1985	182215
V	400m S	Electricity Substation	1987	182215

ID	Location	Land Use	Date	Group ID
V	403m S	Electricity Substation	1995	184230
V	403m S	Electricity Substation	1983	184230
V	403m S	Electricity Substation	1969	184230

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m **4**

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'.

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
U	378m SE	Filling Station	1994	3153
U	411m SE	Filling Station	1985	3153
X	477m SW	Filling Station	1985	3208
X	479m SW	Filling Station	1994	3208

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m **5**

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'.

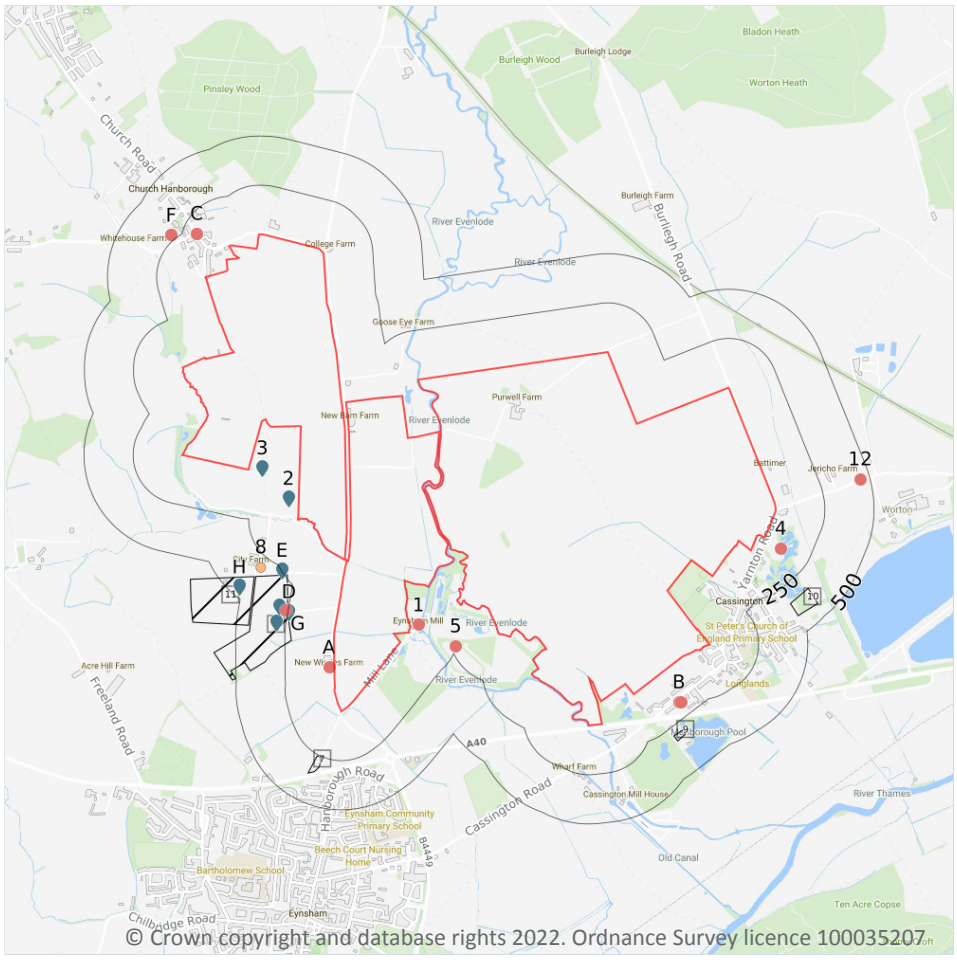
Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
C	29m S	Garage	1994	55687
C	53m SE	Garage	1972	57296
8	97m E	Commercial Vehicle Repair Works	1972	54899
W	465m SW	Garage	1994	58397

ID	Location	Land Use	Date	Group ID
W	488m SW	Garage	1972	58397

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	5

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

Features are displayed on the Waste and landfill map on **page 26**

ID	Location	Details		
6	216m W	Site Address: New Wintles Farm, Lower Road,Eynsham,Witney,Oxfordshire Licence Holder Address: Cholswell Court,Shippon,Abingdon,Oxfordshire	Waste Licence: Yes Site Reference: - Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 30/11/1992 Licence Surrender: 26/04/2018	Operator: Mc Kenna Environmental Limited Licence Holder: Mc Kenna Environmental Limited First Recorded - Last Recorded: -
7	255m SW	Site Address: Eynsham A40, A40 Eynsham, Oxfordshire Licence Holder Address: -	Waste Licence: Yes Site Reference: TP0374, 13.6.4310, OCC/020 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/01/1978 Licence Surrender: 31/12/1982	Operator: - Licence Holder: Eynsham Consolidated Charities First Recorded - Last Recorded: 31/12/1982
9	292m SE	Site Address: Wayside, Cassington, Witney, Oxfordshire Licence Holder Address: -	Waste Licence: Yes Site Reference: TP0573, OCC/078, W10232, 13.7.232 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02/06/1987 Licence Surrender: 31/12/1991	Operator: Smiths (Bletchingdon) Licence Holder: Smith and Sons First Recorded - Last Recorded: -

ID	Location	Details		
10	335m SE	Site Address: Bell Lane, Cassington, Witney, Oxfordshire Licence Holder Address: -	Waste Licence: Yes Site Reference: W10016, OCC/028, TP0088, 13.7.016 Waste Type: Inert, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/06/1978 Licence Surrender: -	Operator: J Curtis and Sons Licence Holder: J Curtis and Sons First Recorded 01/01/1969 Last Recorded: 31/12/1978
11	364m SW	Site Address: City Farm, Lower Road,Eynsham,Oxfordshire Licence Holder Address: 17,Cranberry Road,Witney,Oxfordshire	Waste Licence: Yes Site Reference: - Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 10/09/1996 Licence Surrender: 26/04/2018	Operator: Mckenna Environmental Limited Licence Holder: Mckenna Environmental Limited First Recorded - Last Recorded: -

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 26**

ID	Location	Address	Further Details	Date
8	282m SW	Site Address: New Wintles Farm, Eynsham, Witney, Oxfordshire, OX29 4EG	Type of Site: Recycling Facility Planning application reference: MW.0162/15 Description: Scheme comprises construction of recycling facility. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	**15**

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

Features are displayed on the Waste and landfill map on **page 26**

ID	Location	Details		
2	52m W	Site Name: City Farm Site Address: City Farm, Lower Road, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Use of waste for reclamation etc 100,000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK005 EPR reference: EA/EPR/BB3738RM/A001 Operator: Mc Kenna Plant Hire (Oxford) Ltd Waste Management licence No: 103305 Annual Tonnage: 99999	Issue Date: 14/10/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
3	66m E	Site Name: City Farm Site Address: City Farm, Lower Road, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Use of waste for reclamation etc 100,000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK005 EPR reference: EA/EPR/BB3738RM/S004 Operator: Mc Kenna Environmental Limited Waste Management licence No: 103305 Annual Tonnage: 0	Issue Date: 14/10/2011 Effective Date: - Modified: 05/08/2014 Surrendered Date: May 26 2015 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
D	245m W	Site Name: New Wintles Farm Site Address: Mr Brian Gray, New Wintles Farm, Lower Road, Eynsham, Witney, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK001 EPR reference: EA/EPR/VP3699EY/V004 Operator: Mckenna Environmental Limited Waste Management licence No: 86149 Annual Tonnage: 74999	Issue Date: 30/11/1992 Effective Date: - Modified: 05/08/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
D	245m W	Site Name: New Wintles Farm Site Address: Mr Brian Gray, New Wintles Farm, Lower Road, Eynsham, Witney, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK001 EPR reference: EA/EPR/VP3699EY/S006 Operator: Mc Kenna Environmental Limited Waste Management licence No: 86149 Annual Tonnage: 0	Issue Date: 30/11/1992 Effective Date: - Modified: 05/08/2014 Surrendered Date: Apr 26 2018 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
E	248m SW	Site Name: New Wintles Farm Site Address: Mr Brian Gray, New Wintles Farm, Hanborough Road, Eynsham, Witney, Oxon, OX29 4EG Correspondence Address: McKenna Plant Hire (Oxford) Ltd, London Road, Wheatley, Oxon, OX33 1LH	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK001 EPR reference: - Operator: Mc Kenna Plant Hire (Oxford) Ltd Waste Management licence No: 86149 Annual Tonnage: 74999	Issue Date: 30/11/1992 Effective Date: - Modified: 10/09/1996 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	248m SW	Site Name: New Wintles Farm Site Address: Mr Brian Gray, New Wintles Farm, Hanborough Road, Eynsham, Witney, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK001 EPR reference: EA/EPR/VP3699EY/V002 Operator: Mc Kenna Plant Hire (Oxford) Ltd Waste Management licence No: 86149 Annual Tonnage: 74999	Issue Date: 30/11/1992 Effective Date: - Modified: 10/09/1996 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure

ID	Location	Details		
G	299m W	Site Name: Aggregate Recycling Facility Site Address: New Wintles Farm, Lower Road, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Inert & Excavation WTS with treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DAV199 EPR reference: EA/EPR/DB3701XR/T001 Operator: David Einig Contracting Limited Waste Management licence No: 103965 Annual Tonnage: 250000	Issue Date: 01/05/2012 Effective Date: 10/12/2015 Modified: 05/08/2014 Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Transferred
G	299m W	Site Name: Aggregate Recycling Facility Site Address: New Wintles Farm, Lower Road, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Inert & Excavation WTS with treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK007 EPR reference: EA/EPR/FB3533AB/V002 Operator: Mc Kenna Environmental Limited Waste Management licence No: 103965 Annual Tonnage: 250000	Issue Date: 01/05/2012 Effective Date: - Modified: 05/08/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
G	299m W	Site Name: New Wintles Aggregate Recycling Facility Site Address: New Wintles Farm, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DAV199 EPR reference: EA/EPR/DB3701XR/V002 Operator: David Einig Contracting Limited Waste Management licence No: 103965 Annual Tonnage: 250000	Issue Date: 01/05/2012 Effective Date: 10/12/2015 Modified: 02/05/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
G	299m W	Site Name: Aggregates Recycling Facility Site Address: New Wintles Farm, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OMH001 EPR reference: EA/EPR/JB3108TQ/T001 Operator: O Malley Haulage Limited Waste Management licence No: 103965 Annual Tonnage: 250000	Issue Date: 01/05/2012 Effective Date: 26/03/2020 Modified: 02/05/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	300m W	Site Name: New Wintles Farm Site Address: Mr Brian Gray, McKenna Plant Hire (Oxford) Ltd, New Wintles Farm, Eynsham, Witney, Oxon, OX29 4EG Correspondence Address: McKenna Plant Hire (Oxford) Ltd, London Road, Wheatley, Oxon, OX33 1LH	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK001 EPR reference: - Operator: McKenna Plant Hire (Oxford) Ltd Waste Management licence No: 86149 Annual Tonnage: 74999	Issue Date: 30/11/1992 Effective Date: - Modified: 10/09/1996 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	456m SW	Site Name: City Farm Site Address: Mr Brian Gray, McKenna Plant Hire (Oxford) Ltd, City Farm, Eynsham, Witney, Oxon, OX29 4EG Correspondence Address: McKenna Plant Hire (Oxford) Ltd, London Road, Wheatley, Oxfordshire, OX33 1LH	Type of Site: Landfill taking other wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK002 EPR reference: - Operator: McKenna Plant Hire (Oxford) Ltd Waste Management licence No: 86161 Annual Tonnage: 250000	Issue Date: 10/09/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure

ID	Location	Details		
H	456m SW	Site Name: City Farm Site Address: Mr Brian Gray, McKenna Plant Hire (Oxford) Ltd, City Farm, Eynsham, Witney, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK002 EPR reference: EA/EPR/WP3199EC/A001 Operator: McKenna Plant Hire (Oxford) Ltd Waste Management licence No: 86161 Annual Tonnage: 250000	Issue Date: 10/09/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
H	456m SW	Site Name: City Farm Site Address: Mr Brian Gray, City Farm, Lower Road, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK002 EPR reference: EA/EPR/WP3199EC/S005 Operator: Mckenna Environmental Limited Waste Management licence No: 86161 Annual Tonnage: 0	Issue Date: 10/09/1996 Effective Date: - Modified: 05/08/2014 Surrendered Date: Apr 26 2018 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
H	456m SW	Site Name: City Farm Site Address: Mr Brian Gray, City Farm, Lower Road, Eynsham, Oxfordshire, OX29 4EG Correspondence Address: -	Type of Site: Landfill taking other wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCK002 EPR reference: EA/EPR/WP3199EC/S005 Operator: Mc Kenna Environmental Limited Waste Management licence No: 86161 Annual Tonnage: 0	Issue Date: 10/09/1996 Effective Date: - Modified: 05/08/2014 Surrendered Date: Apr 26 2018 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	**34**

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 26**

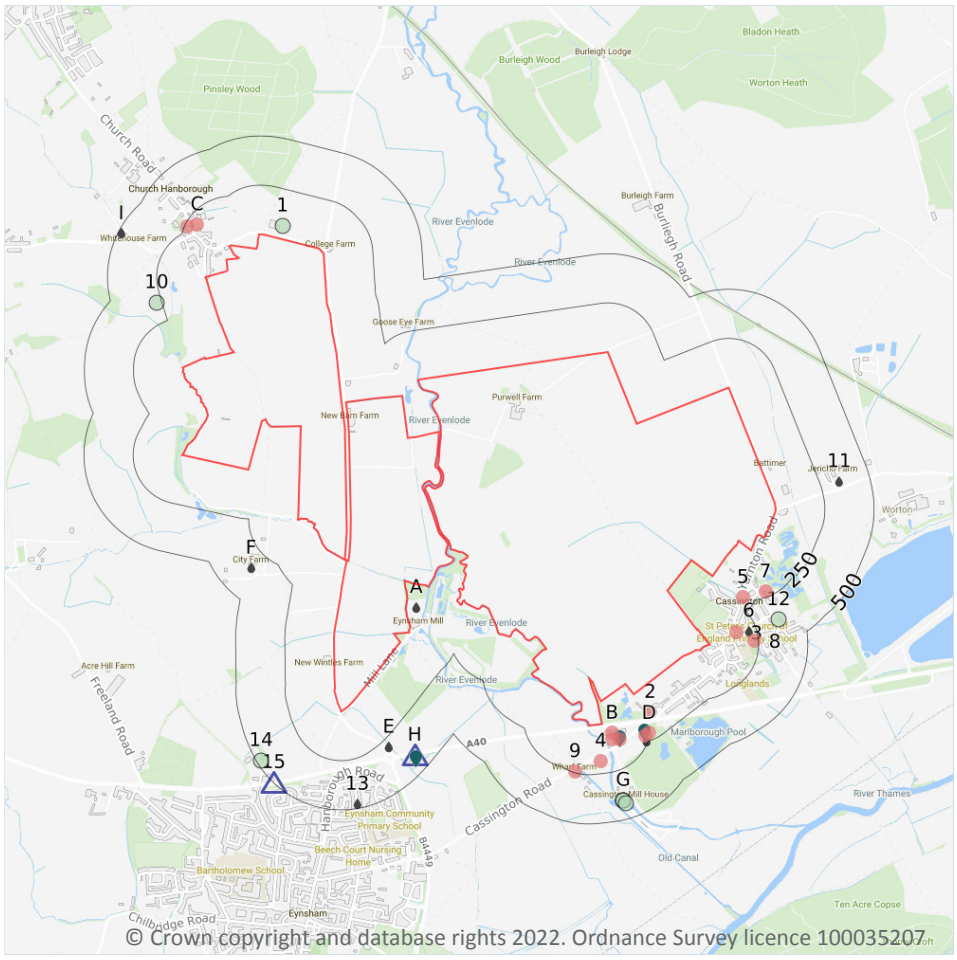
ID	Location	Site	Reference	Category	Sub-Category	Description
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX217709	Using waste exemption	On a Farm	Use of waste in construction
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX217709	Using waste exemption	On a Farm	Use of waste for a specified purpose
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX217709	Treating waste exemption	On a Farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX217709	Disposing of waste exemption	On a Farm	Deposit of waste from dredging of inland waters
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX217709	Disposing of waste exemption	On a Farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX217709	Disposing of waste exemption	On a Farm	Burning waste in the open
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX064812	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX064812	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX064812	Disposing of waste exemption	On a farm	Burning waste in the open
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX064812	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX064812	Using waste exemption	On a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
A	28m W	NEW WINTLES FARM, EYNSHAM, WITNEY, OX29 4EG	WEX064812	Using waste exemption	On a farm	Use of waste for a specified purpose
A	28m W	New Wintles Farm Hanborough Road WITNEY OX29 4EG	EPR/PE5480TF/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
A	28m W	New Wintles Farm Hanborough Road WITNEY OX29 4EG	EPR/PE5480TF/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	28m W	New Wintles Farm Hanborough Road WITNEY OX29 4EG	EPR/PE5480TF/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
A	28m W	New Wintles Farm Hanborough Road WITNEY OX29 4EG	EPR/PE5480TF/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	28m W	New Wintles Farm Hanborough Road WITNEY OX29 4EG	EPR/PE5480TF/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
1	41m E	EYNSHAM MILL, EYNSHAM, WITNEY, OX29 4EJ	WEX073262	Disposing of waste exemption	Not on a farm	Burning waste in the open
4	99m SE	YARNTON ROAD, CASSINGTON, WITNEY, OX29 4DY	WEX202009	Using waste exemption	Not on a farm	Use of waste in construction
B	174m SE	-	WEX263149	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
B	174m SE	59, EYNSHAM ROAD, CASSINGTON, WITNEY, OX29 4DJ	WEX123485	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
C	177m W	NAP Field, Church Hanborough, Oxford, OX29 8AB	WEX181709	Using waste exemption	On a farm	Use of waste for a specified purpose
C	177m W	NAP Field, Church Hanborough, Oxford, OX29 8AB	WEX181709	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	177m W	NAP Field, Church Hanborough, Oxford, OX29 8AB	WEX181709	Disposing of waste exemption	On a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
C	177m W	NPA Field, Church Hanborough, Oxfordshire, OX29 8AB	WEX018347	Disposing of waste exemption	On a farm	Burning waste in the open
C	177m W	NPA Field, Church Hanborough, Oxfordshire, OX29 8AB	WEX018347	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	177m W	NPA Field, Church Hanborough, Oxfordshire, OX29 8AB	WEX018347	Using waste exemption	On a farm	Use of waste for a specified purpose
B	181m SE	59 Eynsham Road WITNEY Oxfordshire OX29 4DJ	EPR/PF0600XK/A001	Using waste exemption	Non-Agricultural Waste Only	Burning of waste as a fuel in a small appliance
5	213m S	-	WEX293023	Disposing of waste exemption	Not on a farm	Burning waste in the open
D	264m W	New Wintles Farm Hanborough Road WITNEY OX29 4EG	EPR/AF0601MK/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	274m NW	npa - Field Church Hanborough Oxfordshire OX29 8AB	EPR/ME5755JF/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
F	274m NW	npa - Field Church Hanborough Oxfordshire OX29 8AB	EPR/ME5755JF/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of silver
F	274m NW	npa - Field Church Hanborough Oxfordshire OX29 8AB	EPR/ME5755JF/A001	Using waste exemption	Non-Agricultural Waste Only	Use of effluent to clean a highway gravel bed
12	451m E	Cassington Nurseries Yarnton Road Witney Oxfordshire OX29 4DY	EPR/EF0407VU/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	14

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Company	Address	Activity	Category
B	68m SE	Rygor Commercial	Eynsham Road, Cassington, Witney, Oxfordshire, OX29 4DD	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	94m SE	Mast (Telecommunication)	Oxfordshire, OX29	Telecommunications Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
B	116m SE	Bartco Ltd	Partridge Yard, Eynsham Road, Cassington, Witney, Oxfordshire, OX29 4EU	Industrial Coatings and Finishings	Industrial Products
2	122m SE	Thames Liquid Waste Disposal	The Willows, Eynsham Road, Cassington, Witney, Oxfordshire, OX29 4DF	Waste Storage, Processing and Disposal	Infrastructure and Facilities
3	150m NE	Cassington Furnishings	Old School House, The Green, Cassington, Witney, Oxfordshire, OX29 4DN	Carpets, Flooring, Rugs and Soft Furnishings	Consumer Products
4	185m S	Mast (Telecommunication)	Oxfordshire, OX29	Telecommunications Features	Infrastructure and Facilities
5	188m SE	Electricity Sub Station	Oxfordshire, OX29	Electrical Features	Infrastructure and Facilities
C	198m NW	Electricity Sub Station	Oxfordshire, OX29	Electrical Features	Infrastructure and Facilities
D	212m S	Hoppers	Oxfordshire, OX29	Hoppers and Silos	Farming
D	216m S	Hopper	Oxfordshire, OX29	Hoppers and Silos	Farming
7	222m S	Tony Eldridge Scaffolding	Bell Lane, Cassington, Witney, Oxfordshire, OX29 4DS	Construction and Tool Hire	Hire Services
8	230m E	Electricity Sub Station	Oxfordshire, OX29	Electrical Features	Infrastructure and Facilities
C	235m NW	Church Hanbrewery	Tithe Barn, Church Hanborough, Witney, Oxfordshire, OX29 8AB	Alcoholic Drinks	Foodstuffs
9	243m S	V W Vanshack	Wharf Farm Buildings, Eynsham Road, Cassington, Witney, Oxfordshire, OX29 4DB	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m **2**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Company	Address	LPG	Status
H	415m SE	BP	A40, Eynsham, Witney, Oxfordshire, OX29 4EN	No	Open

ID	Location	Company	Address	LPG	Status
15	498m SW	ESSO	A40, Eynsham, Witney, Oxfordshire, OX29 4EN	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	3

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

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Address	Details	
B	117m SE	Bartco Ltd, Partridge Yard, Cassington, Witney, OX29 4EU	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	201m S	Smiths Concrete, Premix Depot, Eynsham Road, Cassington, Witney, OX29 4DE	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
H	431m SE	Eynsham Filling Station (Total), Old Witney Road, Eynsham, OX29 4EN	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**15**

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

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Address	Details	
A	51m E	ISIS FISH FARM, EYNSHAM MILL, EYNSH, ISIS FISH FARM EYNSHAM MILL EY, NSHAM OXON OX8 1EJ	Effluent Type: AGRICULTURE - FISH FARMING - NOT WATER COMPANY Permit Number: CTCR.1618 Permit Version: 1 Receiving Water: BACK CHANNELOF EVENLODE	Status: REVOKED - UNSPECIFIED Issue date: 05/09/1979 Effective Date: 05/09/1979 Revocation Date: 01/04/1993
A	51m E	EYNSHAM MILL FARM, EYNSHAM, OXON, O, EYNSHAM MILL FARM EYNSHAM OXON, OX8 1EJ	Effluent Type: AGRICULTURE - FISH FARMING - NOT WATER COMPANY Permit Number: CTCR.1526 Permit Version: 1 Receiving Water: BACK CHANNELOF EVENLODE	Status: REVOKED - UNSPECIFIED Issue date: 04/05/1977 Effective Date: 04/05/1977 Revocation Date: 15/05/1991
6	211m E	REAR OF THE GREEN, CASSINGTON, OXFO, REAR OF THE GREEN CASSINGTON O, XFORD OXON. OX8 1DW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTWC.0899 Permit Version: 1 Receiving Water: GRAVEL OVERLYING OXFORDCLAY	Status: REVOKED - UNSPECIFIED Issue date: 23/05/1986 Effective Date: 23/05/1986 Revocation Date: 07/10/1996

ID	Location	Address	Details	
D	241m E	SMITHS CONCRETE LTD, EYNSHAM ROAD, SMITHS CONCRETE LTD EYNSHAM ROA, D CASSINGTON OXFORDSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - UNSPECIFIED Permit Number: CNTM.1001 Permit Version: 1 Receiving Water: ALLUVIUM	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 30/07/1993 Effective Date: 30/07/1993 Revocation Date: 24/04/2007
D	241m E	SMITHS CONCRETE LTD, EYNSHAM ROAD, SMITHS CONCRETE LTD EYNSHAM ROA, D CASSINGTON OXFORDSHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1001 Permit Version: 2 Receiving Water: ALLUVIUM	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 24/04/2007 Effective Date: 24/04/2007 Revocation Date: 20/12/2012
D	241m E	SMITHS CONCRETE LTD, EYNSHAM ROAD, SMITHS CONCRETE LTD EYNSHAM ROA, D CASSINGTON OXFORDSHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1001 Permit Version: 3 Receiving Water: ALLUVIUM	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
E	290m SE	HERON SELF SERVICE FILLING STATION, HERON SELF SERVICE FILLING STATI, ON A40 EYNSHAM OXON	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTCU.1403 Permit Version: 1 Receiving Water: OXFORD CLAYSTRATA	Status: TRANSFERRED FROM WRA 1963 Issue date: 16/06/1983 Effective Date: 16/06/1983 Revocation Date: -
E	290m SE	LITTLE CHEF RESTAURANT, EYNSHAM, OX, LITTLE CHEF RESTAURANT EYNSHAM, OXON	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0683 Permit Version: 1 Receiving Water: EYNSHAM MEADDITCH	Status: REVOKED - UNSPECIFIED Issue date: 21/02/1986 Effective Date: 21/02/1986 Revocation Date: 21/07/1993
E	290m SE	LITTLE CHEF RESTAURANT, EYNSHAM, OX, LITTLE CHEF RESTAURANT EYNSHAM, OXON	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CTWC.0682 Permit Version: 1 Receiving Water: EYNSHAM MEADBROOK	Status: REVOKED - UNSPECIFIED Issue date: 21/02/1986 Effective Date: 21/02/1986 Revocation Date: 10/07/1987
F	341m SW	FIVE RESIDENTIAL UNITS, CITY FARM, FIVE RESIDENTIAL UNITS CITY FAR, M EYNSHAM OXFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CATM.2956 Permit Version: 1 Receiving Water: TERRACE DEPOSITS	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 16/07/1997 Effective Date: 16/07/1997 Revocation Date: 20/12/2012

ID	Location	Address	Details	
F	341m SW	FIVE RESIDENTIAL UNITS, CITY FARM, FIVE RESIDENTIAL UNITS CITY FAR, M EYNSHAM OXFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CATM.2956 Permit Version: 2 Receiving Water: TERRACE DEPOSITS	Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: -
11	345m E	JERICHO FARM, CASSINGTON, OXFORDSHI, JERICHO FARM CASSINGTON OXFORD, SHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTW.0765 Permit Version: 1 Receiving Water: DITCH TRIB OF BATTENER BROOK	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 10/10/1990 Effective Date: 10/10/1990 Revocation Date: 01/10/1996
13	476m S	Eynsham Wytham View	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0936 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED - UNSPECIFIED Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 07/02/1997
I	484m NW	CHURCH HANBOROUGH STW, CHURCH HANBO, CHURCH HANBOROUGH STW CHURCH HA, NBOROUGH OXON	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSC.5783 Permit Version: 1 Receiving Water: HANBOROUGH STREAM	Status: TRANSFERRED FROM COPA 1974 Issue date: 10/11/1985 Effective Date: 10/11/1985 Revocation Date: 31/03/2005
I	484m NW	Church Hanborough	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: TEMP.2486 Permit Version: 1 Receiving Water: HANBOROUGH STREAM	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 11/04/2005

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	8

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

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Details	
1	67m N	Incident Date: 18/02/2003 Incident Identification: 137606 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
10	275m W	Incident Date: 05/11/2003 Incident Identification: 200097 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
12	373m E	Incident Date: 27/03/2003 Incident Identification: 146555 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
G	400m S	Incident Date: 03/03/2003 Incident Identification: 140582 Pollutant: Other Pollutant Pollutant Description: Microbiological	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	400m S	Incident Date: 03/03/2003 Incident Identification: 140582 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	400m S	Incident Date: 03/03/2003 Incident Identification: 140582 Pollutant: Contaminated Water:Other Pollutant Pollutant Description: Suspended Solids:Microbiological	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	421m S	Incident Date: 22/04/2002 Incident Identification: 73577 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
14	477m SW	Incident Date: 28/08/2002 Incident Identification: 103502 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	**0**

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

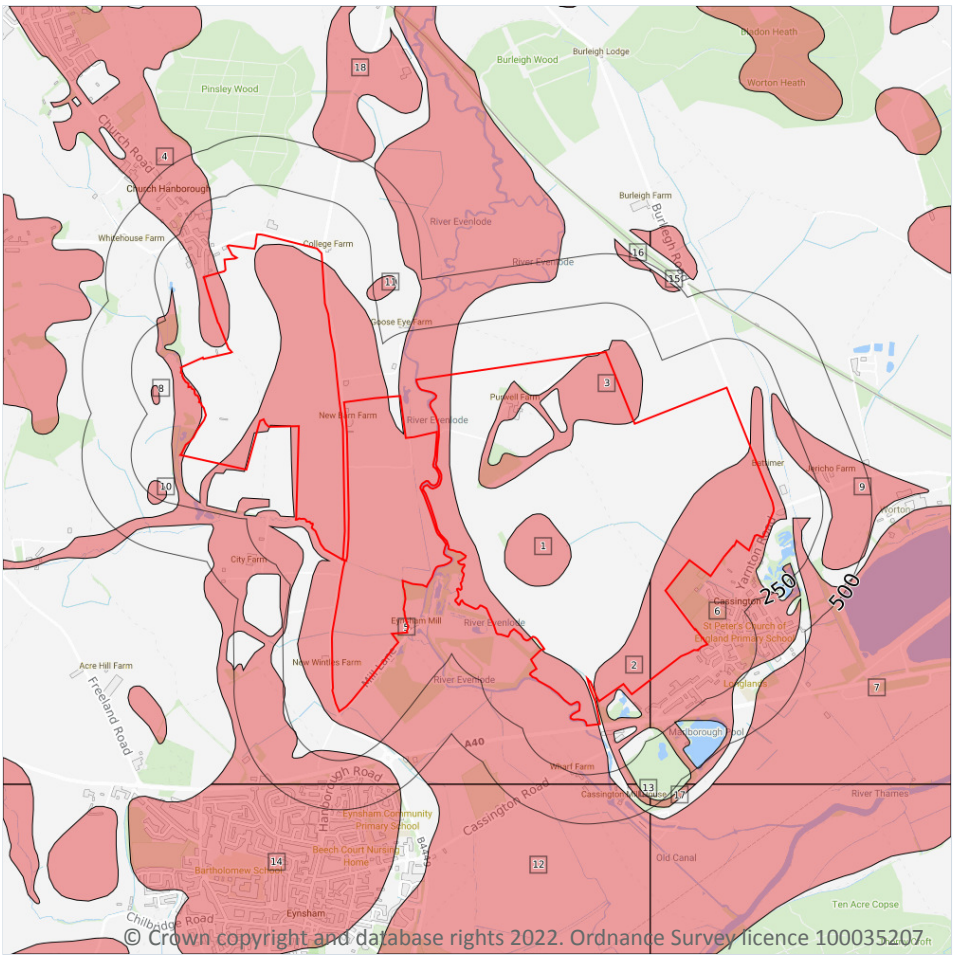
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m	18

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 47**

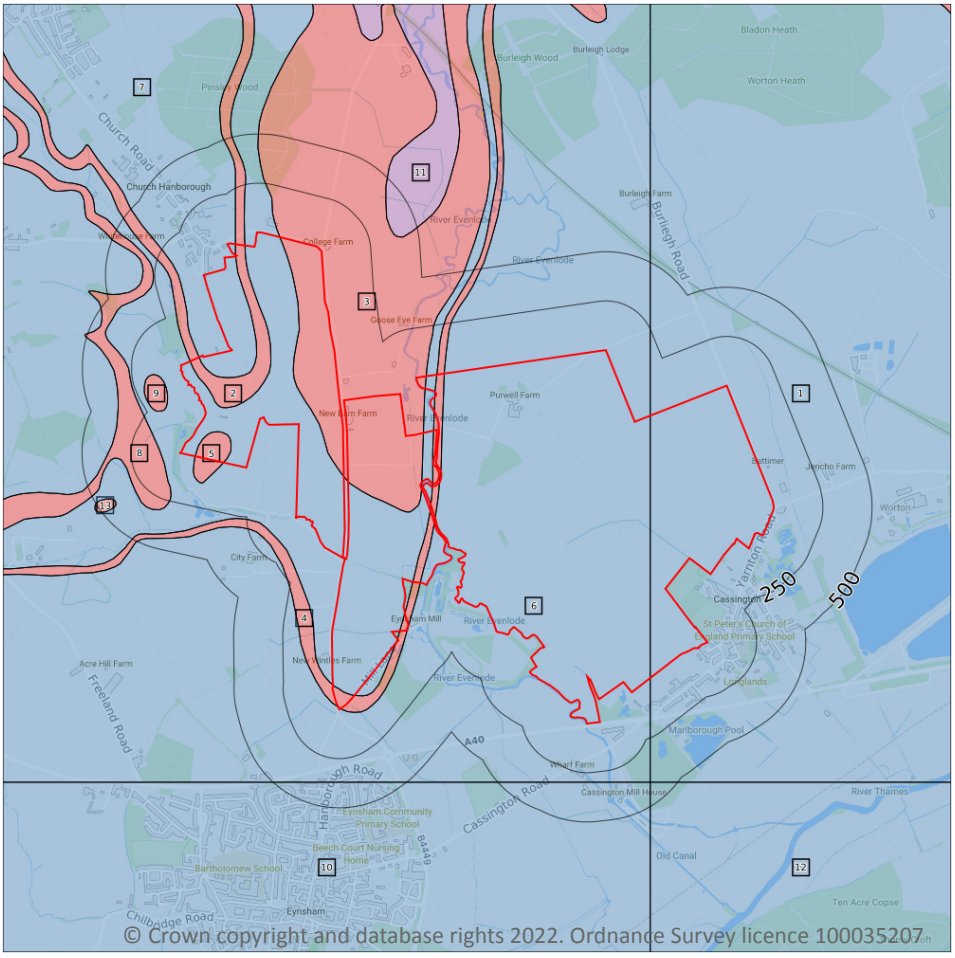
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary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

ID	Location	Designation	Description
3	**On site**	**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	**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**
5	**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**
6	**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**
7	104m E	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
8	137m SW	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
9	145m E	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
10	171m SW	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
11	216m E	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
12	298m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
13	336m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
14	370m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
15	434m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
16	453m N	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
17	456m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
18	474m N	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



5.2 Bedrock aquifer

Records within 500m	13

Aquifer status of groundwater held within bedrock geology.

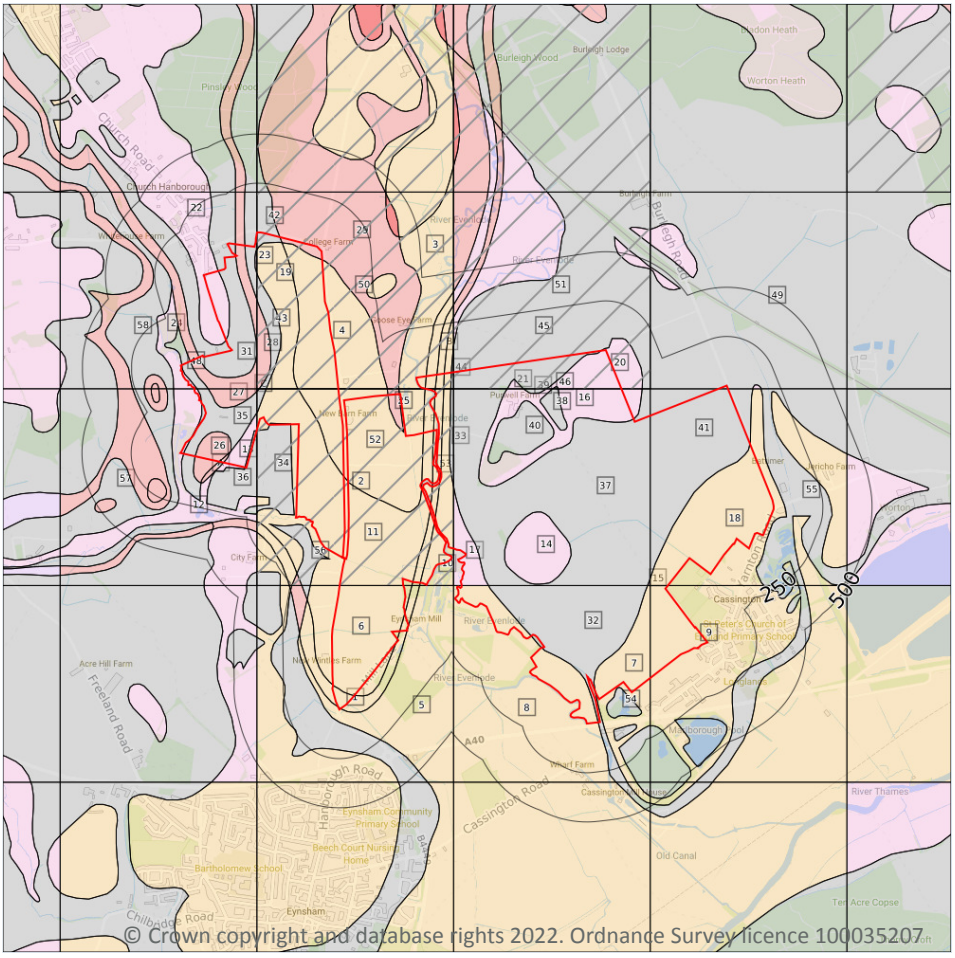
Features are displayed on the Bedrock aquifer map on **page 50**

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

ID	Location	Designation	Description
3	**On site**	**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	**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**
5	**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**
6	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
7	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
8	95m W	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
9	102m SW	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
10	298m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
11	368m E	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
12	399m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
13	411m SW	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	61

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 52**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
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: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
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: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
7	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
8	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
9	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
10	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
13	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
14	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
15	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
16	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
17	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
18	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
19	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
20	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
21	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
22	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive 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: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
23	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive 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: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
24	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive 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: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
25	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
26	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
27	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
28	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
29	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
30	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
31	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
32	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
33	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
34	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
35	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
36	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
37	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
38	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
39	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
40	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
41	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
42	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
43	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
44	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
45	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
46	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
47	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
48	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
49	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
52	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
53	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
A	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
B	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
B	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
B	**On site**	**Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
C	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**
C	**On site**	**Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: <300mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High**	**Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures**
54	7m SE	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
55	22m E	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
56	29m SW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
57	40m W	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures
58	45m W	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**3**

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**27.0%**
50	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**32.0%**
51	**Significant soluble rocks are likely to be present. Low possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow.**	**3.0%**

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

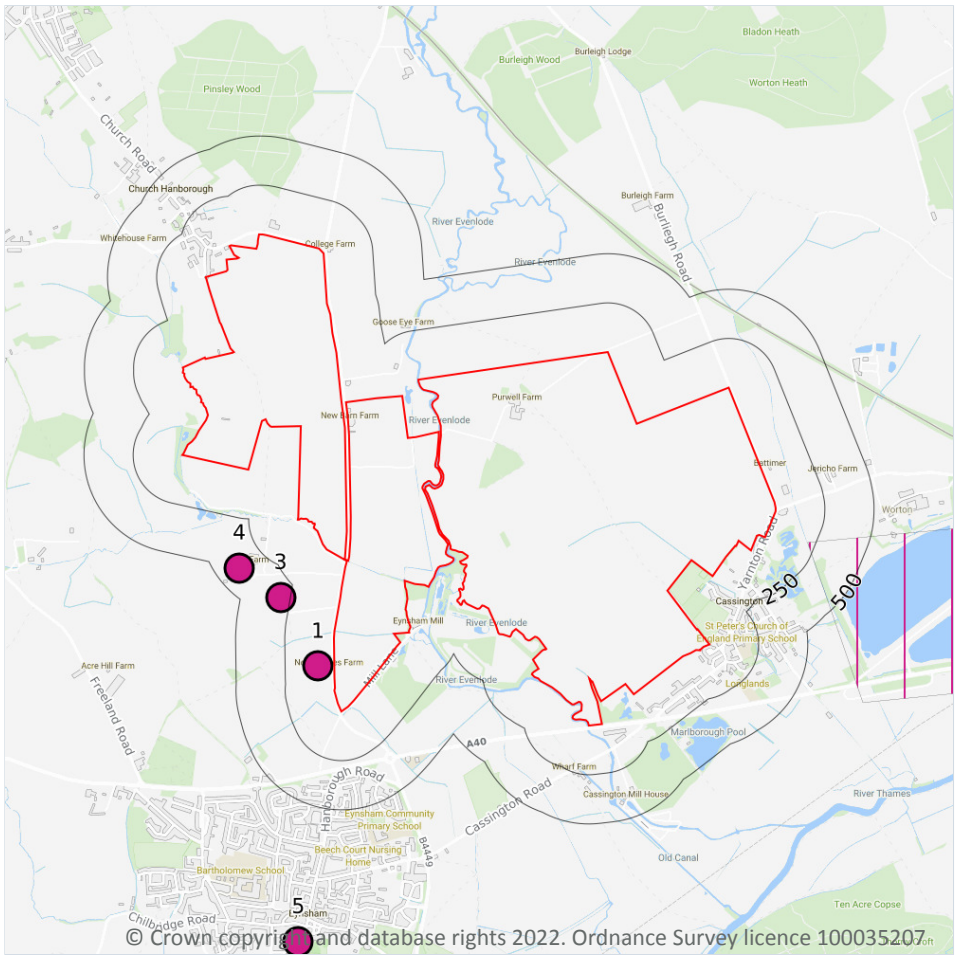
5.5 Groundwater vulnerability- local information

Records on site	**0**

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

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

Abstractions and Source Protection Zones



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 65**

ID	Location	Details	
1	83m W	Status: Historical Licence No: 28/39/12/0059 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: NEW WINTLES FARM, EYNSHAM Data Type: Point Name: SOLLOWAY Easting: 443300 Northing: 210600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1992 Version End Date: -
2	210m E	Status: Active Licence No: TH/039/0013/011 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES GROUNDWATER Point: THAMES FIRST AND SECOND TERRACE DEPOSITS, CASSINGTON QUARRY Data Type: Poly4 Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 445790 Northing: 211229	Annual Volume (m^3): 1,504,895 Max Daily Volume (m^3): 4,882 Original Application No: NPS/NA/001301 Original Start Date: 14/05/2021 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 14/05/2021 Version End Date: -
3	299m W	Status: Historical Licence No: 28/39/12/0212 Details: Dust suppression Direct Source: THAMES GROUNDWATER Point: NEW WINTLES FARM, EYNSHAM Data Type: Point Name: McKENNA PLANT HIRE Easting: 443110 Northing: 210950	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/11/1996 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 21/11/1996 Version End Date: -
4	386m SW	Status: Historical Licence No: 28/39/12/0179 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: CITY FARM, EYSHAM, OXON Data Type: Point Name: WATTS Easting: 442900 Northing: 211100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/07/1976 Expiry Date: - Issue No: 100 Version Start Date: 28/07/1976 Version End Date: -
5	1190m S	Status: Historical Licence No: 28/39/11/0005 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: ABBEY FARM, EYNSHAM,OXFORDSHIRE POINT A Data Type: Point Name: COOK Easting: 443200 Northing: 209200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1998 Version End Date: -

ID	Location	Details	
-	1722m E	Status: Active Licence No: TH/039/0013/008 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: REACH Data Type: Line Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 447650 Northing: 211050	Annual Volume (m^3): 871,200 Max Daily Volume (m^3): 2,904 Original Application No: NPS/WR/030169 Original Start Date: 30/08/2019 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 30/08/2019 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**6**

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 65**

ID	Location	Details	
-	1444m SE	Status: Historical Licence No: 28/39/16/0009 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: UNIVERSITY FIELD STATION, WYTHAM, OXFORD (A & B) Data Type: Line Name: OXFORD UNIVERSITY Easting: 446600 Northing: 210100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date: -
-	1444m SE	Status: Active Licence No: 28/39/16/0009 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: UNIVERSITY FIELD STATION, WYTHAM, OXFORD (A & B) - R.THAMES Data Type: Line Name: OXFORD UNIVERSITY Easting: 446600 Northing: 210100	Annual Volume (m^3): 43,187 Max Daily Volume (m^3): 600.07 Original Application No: WRA./1030 Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date: -

ID	Location	Details	
-	1837m S	Status: Historical Licence No: 28/39/16/0053 Details: Potable Water Supply - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: SWINFORD INTAKE POINT 'A' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 444300 Northing: 208500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 10/07/1967 Expiry Date: - Issue No: 100 Version Start Date: 10/07/1967 Version End Date: -
-	1837m S	Status: Active Licence No: 28/39/16/0078 Details: Potable Water Supply - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: SWINFORD INTAKE - RIVER THAMES Data Type: Point Name: Thames Water Utilities Ltd Easting: 444300 Northing: 208500	Annual Volume (m^3): 55,312,169 Max Daily Volume (m^3): 300,042 Original Application No: WRL/39/16/60 Original Start Date: 18/09/2002 Expiry Date: - Issue No: 1 Version Start Date: 18/09/2002 Version End Date: -
-	1909m E	Status: Historical Licence No: 28/39/16/0009 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: UNIVERSITY FIELD STATION, WYTHAM (C & D) Data Type: Line Name: OXFORD UNIVERSITY Easting: 447100 Northing: 210100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date: -
-	1909m E	Status: Active Licence No: 28/39/16/0009 Details: Spray Irrigation - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: UNIVERSITY FIELD STATION, WYTHAM (C & D) - SEACOURT STREAM Data Type: Line Name: OXFORD UNIVERSITY Easting: 447100 Northing: 210100	Annual Volume (m^3): 43,187 Max Daily Volume (m^3): 600.07 Original Application No: WRA./1030 Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**2**

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 65**

ID	Location	Details	
-	1837m S	Status: Historical Licence No: 28/39/16/0053 Details: Potable Water Supply - Direct Direct Source: THAMES SURFACE WATER - NON TIDAL Point: SWINFORD INTAKE POINT 'A' Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 444300 Northing: 208500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 10/07/1967 Expiry Date: - Issue No: 100 Version Start Date: 10/07/1967 Version End Date: -
-	1837m S	Status: Active Licence No: 28/39/16/0078 Details: Potable Water Supply - Storage Direct Source: THAMES SURFACE WATER - NON TIDAL Point: SWINFORD INTAKE - RIVER THAMES Data Type: Point Name: Thames Water Utilities Ltd Easting: 444300 Northing: 208500	Annual Volume (m^3): 55,312,169 Max Daily Volume (m^3): 300,042 Original Application No: WRL/39/16/60 Original Start Date: 18/09/2002 Expiry Date: - Issue No: 1 Version Start Date: 18/09/2002 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.

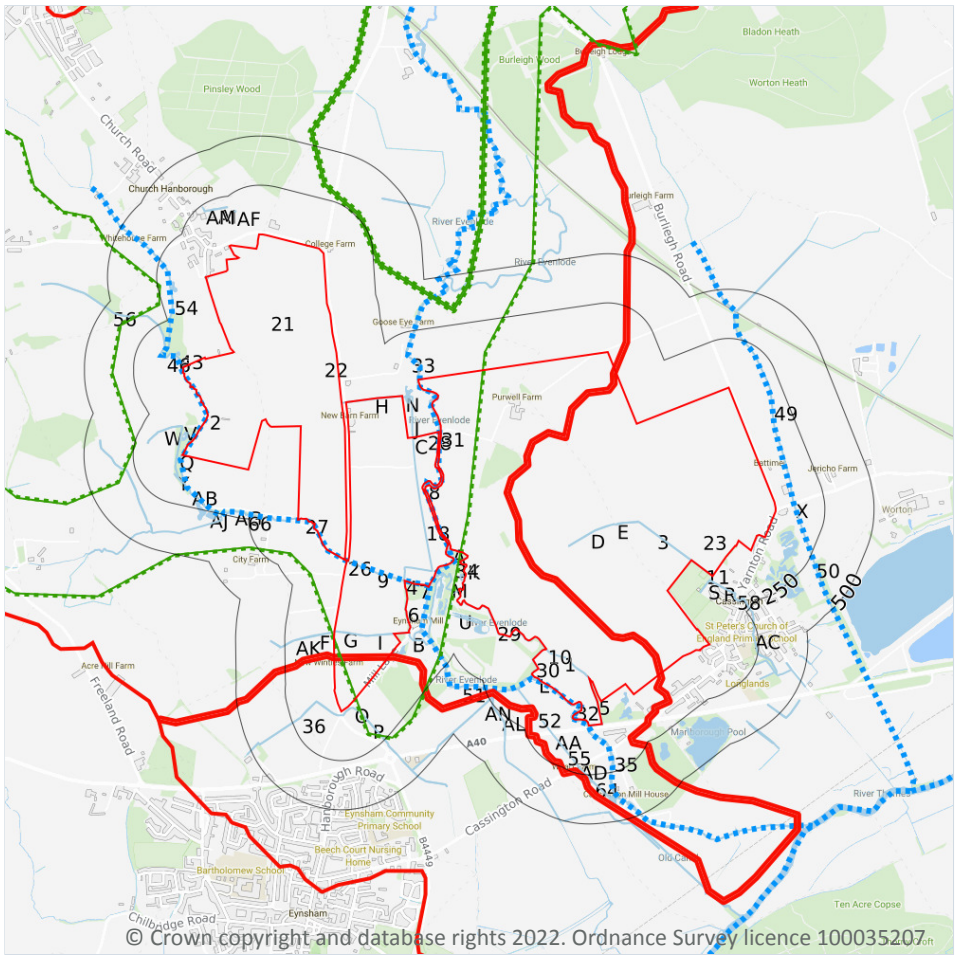
5.10 Source Protection Zones (confined aquifer)

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	**122**

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 70**

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

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

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

ID	Location	Type of water feature	Ground level	Permanence	Name
28	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
29	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**River Evenlode**
J	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
30	1m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
31	1m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	1m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	2m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
32	2m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
L	3m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
N	3m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
33	3m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	4m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
34	4m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode

ID	Location	Type of water feature	Ground level	Permanence	Name
35	4m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	5m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
L	5m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	5m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	6m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
K	7m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	8m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	11m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	11m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
36	11m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Eynsham Mead Ditch
O	19m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	21m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Eynsham Mead Ditch

ID	Location	Type of water feature	Ground level	Permanence	Name
R	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	25m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	26m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	26m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
B	28m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	29m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	32m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	34m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
M	37m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	40m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	42m SE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	49m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	50m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
U	50m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
U	50m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	52m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	52m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
B	52m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
B	52m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
U	54m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
U	55m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	56m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	56m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	56m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	60m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
U	61m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
43	63m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	64m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
U	66m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	71m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	71m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
46	77m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
S	78m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	81m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
V	84m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
W	87m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
49	94m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
X	94m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
50	94m E	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
B	96m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
B	100m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
51	101m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Evenlode
L	101m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
Y	103m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
52	104m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
Y	117m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
54	127m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AA	130m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
55	131m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
56	132m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
58	135m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Y	136m S	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
AB	136m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AC	154m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AF	163m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AB	194m S	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
AJ	194m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AI	195m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AK	202m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AK	205m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AD	206m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
64	209m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Old Canal
AL	215m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	216m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AG	218m S	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
66	231m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AN	232m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
AM	233m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
AM	234m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**60**

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 70**

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 70**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
22	**On site**	**River**	**Evenlode (Glyme to Thames)**	**GB106039029880**	**Evenlode**	**Cotswolds**
23	**On site**	**River**	**Thames (Evenlode to Thame)**	**GB106039030334**	**Ock**	**Gloucestershire and the Vale**

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 70**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
J	**On site**	**River**	**Evenlode (Glyme to Thames)**	**GB106039029880**	**Poor**	**Fail**	**Poor**	**2019**
48	94m E	River	Thames (Evenlode to Thame)	GB106039030334	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**

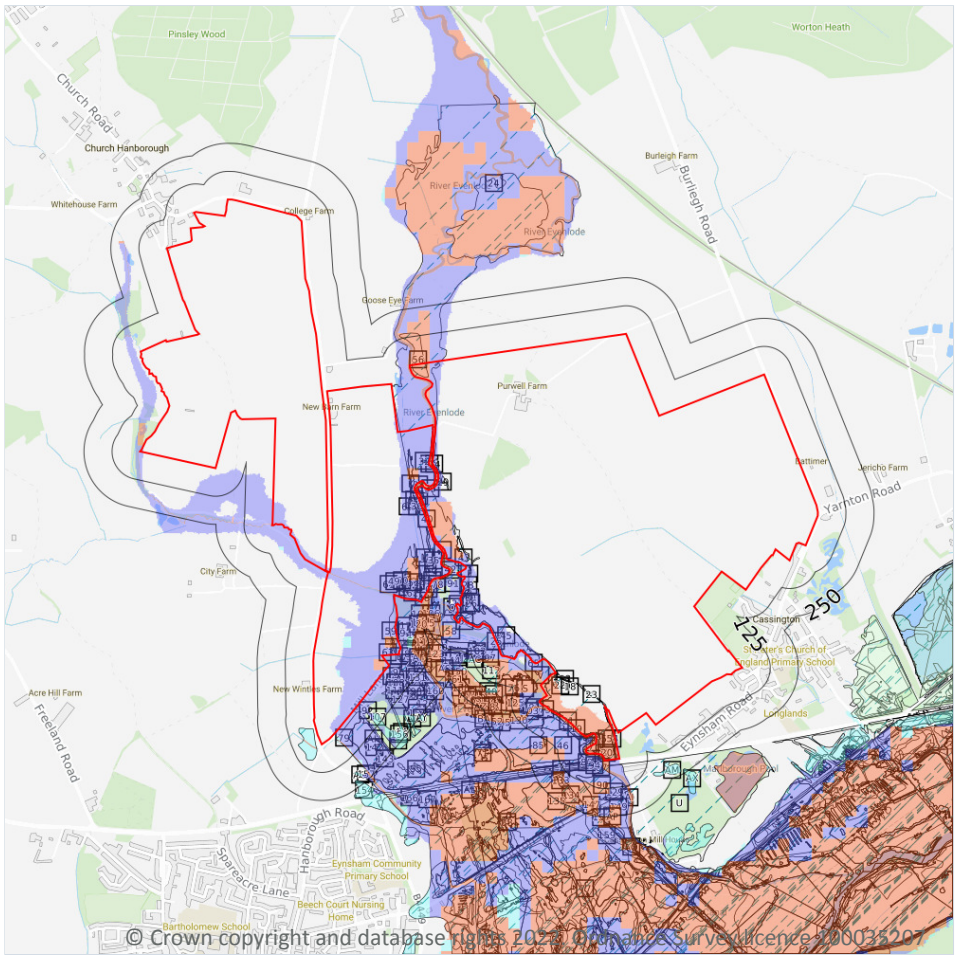
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 70**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
21	**On site**	**Kemble Forest Marble**	**GB40602G600500**	**Poor**	**Poor**	**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	43

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

Features are displayed on the River and coastal flooding map on **page 82**

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

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

7.2 Historical Flood Events

Records within 250m	**219**

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 82**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
17	**On site**	**Eynsham Cp_Fluvial Water**	**2007-07-19 2007-07-29**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
18	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
19	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
20	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
21	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
22	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
23	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
24	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
25	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
26	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
27	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
28	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
29	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
30	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
31	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
32	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
33	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
34	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
35	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
36	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
37	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
38	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
39	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
40	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
41	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
42	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
43	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
44	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
45	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
46	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
47	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
48	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
49	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
50	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
51	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
52	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
53	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
54	On site	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
55	On site	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
56	On site	06octoberautumn1993	1993-01-01 1993-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
57	On site	06januarynewyear2003	2002-12-23 2003-01-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
58	On site	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
59	On site	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
60	On site	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
61	On site	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
62	On site	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
63	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
A	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
A	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
B	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
C	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
E	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
E	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
F	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
F	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
G	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
H	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
H	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
I	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
I	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
J	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
K	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
K	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
L	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Main river**	**Channel capacity exceeded (no raised defences)**	**Fluvial**
M	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
M	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
N	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
N	**On site**	**Ea06winter13-14**	**2013-11-23 2014-02-28**	**Unknown**	**Local drainage/surface water**	**Fluvial**
O	0m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
O	1m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
H	1m NW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
O	1m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
65	1m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
71	6m SW	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
Q	8m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
73	11m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
R	13m W	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
76	13m W	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
77	16m S	06marchspring1947	1947-01-01 1947-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
78	16m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
79	17m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
80	18m W	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
S	18m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
L	20m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
T	20m E	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
81	21m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
U	23m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
84	25m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
85	25m SW	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
V	27m NW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
Q	30m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
T	30m E	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
87	32m SW	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
88	34m S	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
89	34m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
90	35m S	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
91	36m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
V	36m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
92	36m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
Q	37m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
93	37m E	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
94	39m SW	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
95	39m SE	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
96	43m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
97	43m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
98	44m S	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
L	44m S	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
W	44m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
X	46m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
W	47m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
W	47m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
100	47m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
Y	49m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
Z	50m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
T	51m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
102	52m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
103	52m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AA	52m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
106	59m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
P	64m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AB	65m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
107	65m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
108	67m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
110	73m S	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
111	74m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
112	76m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
Z	78m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AC	79m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
113	80m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AD	81m SW	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AE	82m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
115	83m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AF	84m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AB	87m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
119	92m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AF	93m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
120	93m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
122	96m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
123	97m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
124	98m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
125	98m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
S	99m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
126	101m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
127	106m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
129	116m S	06januarynewyear2003	2002-12-23 2003-01-12	Drainage	Channel capacity exceeded (no raised defences)	Fluvial
130	117m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
131	126m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
X	128m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
X	130m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AE	133m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
133	137m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
134	139m SW	06januarynewyear2003	2002-12-23 2003-01-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AH	145m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AI	146m S	06decemberwinter2000	2000-01-01 2000-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AJ	149m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AK	152m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AC	154m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
135	158m SW	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
138	158m SW	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AH	158m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AL	160m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
140	162m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AK	163m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AM	164m SE	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
142	167m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AJ	168m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
143	169m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
144	170m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
145	178m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
146	187m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AO	188m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
147	193m S	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
148	194m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
149	195m S	06januarynewyear2003	2002-12-23 2003-01-12	Other	Local drainage/surface water	Fluvial
150	197m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AQ	201m S	06decemberwinter2000	2000-01-01 2000-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AR	205m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AS	206m E	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AS	207m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AS	208m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
Y	208m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AR	209m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
151	210m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
152	214m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
153	217m S	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AS	218m E	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
154	219m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AS	221m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
156	222m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
157	222m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
158	222m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
159	223m S	Cassington Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
160	224m SE	Ea06winter13-14	2013-11-23 2014-02-28	Unknown	Local drainage/surface water	Fluvial
AS	227m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AW	227m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
161	230m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
163	232m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AW	234m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AX	234m SE	06februarywinter1979	1979-01-01 1979-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AS	234m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
AS	236m S	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AY	239m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
164	240m SW	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AS	241m SE	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AW	241m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AZ	242m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AZ	242m SW	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
166	246m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
BA	247m W	Ea06winter13-14	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
AP	248m S	06januarynewyear2003	2002-12-23 2003-01-12	Other	Local drainage/surface water	Fluvial
167	249m SE	Eynsham Cp_Fluvial Water	2007-07-19 2007-07-29	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

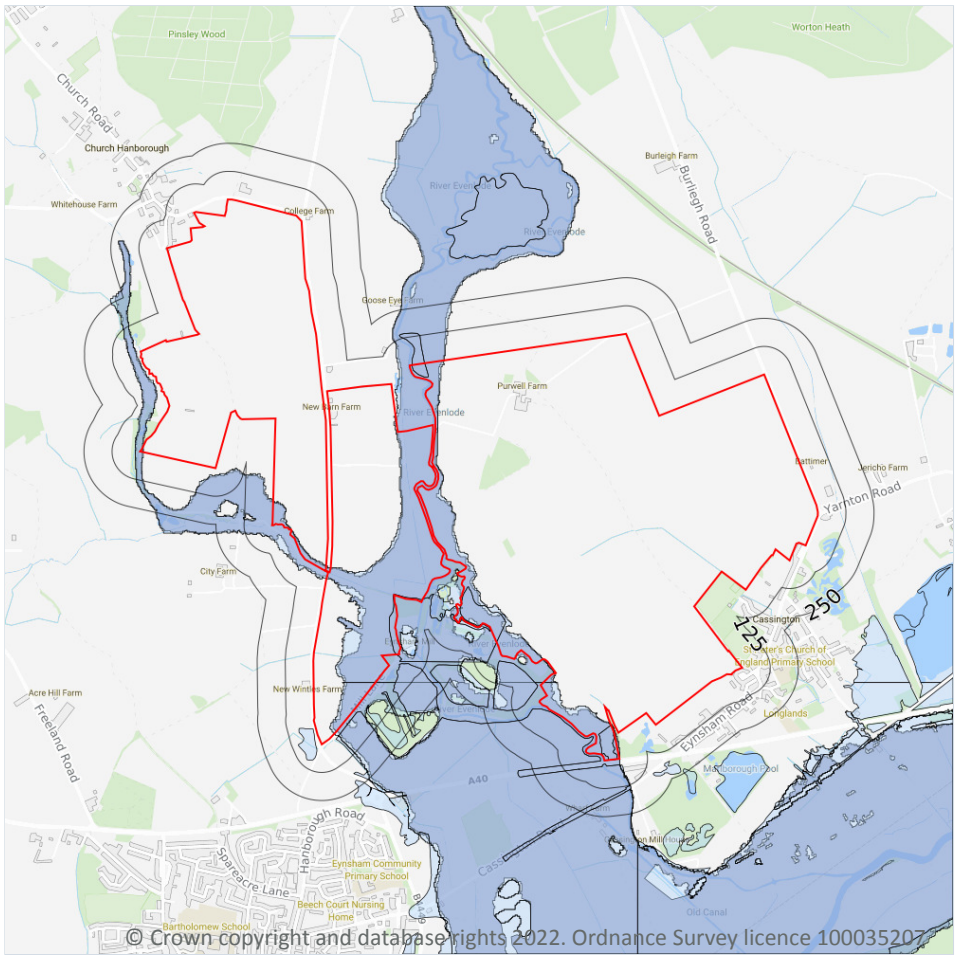
7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

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

Features are displayed on the River and coastal flooding map on **page 82**

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

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

7.7 Flood Zone 3

Records within 50m	1

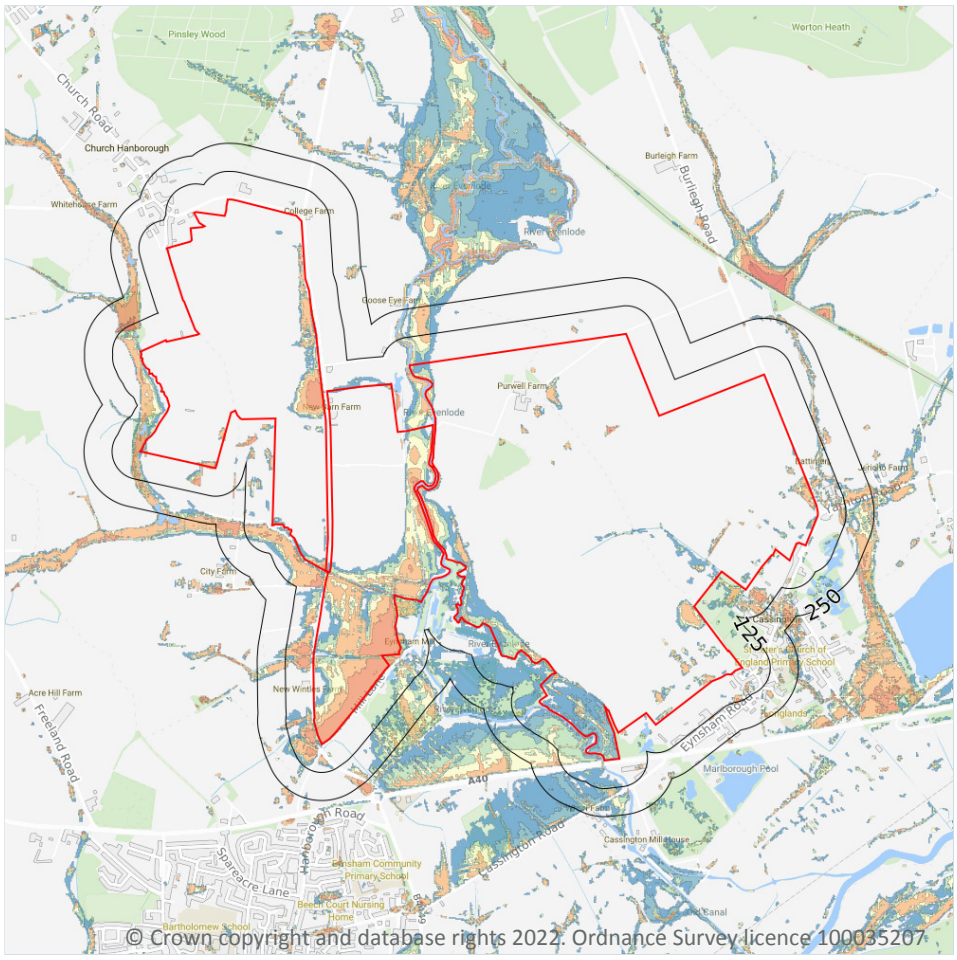
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 82**

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

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, Greater than 1.0m**
Highest risk within 50m	**1 in 30 year, Greater than 1.0m**

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

Features are displayed on the Surface water flooding map on **page 99**

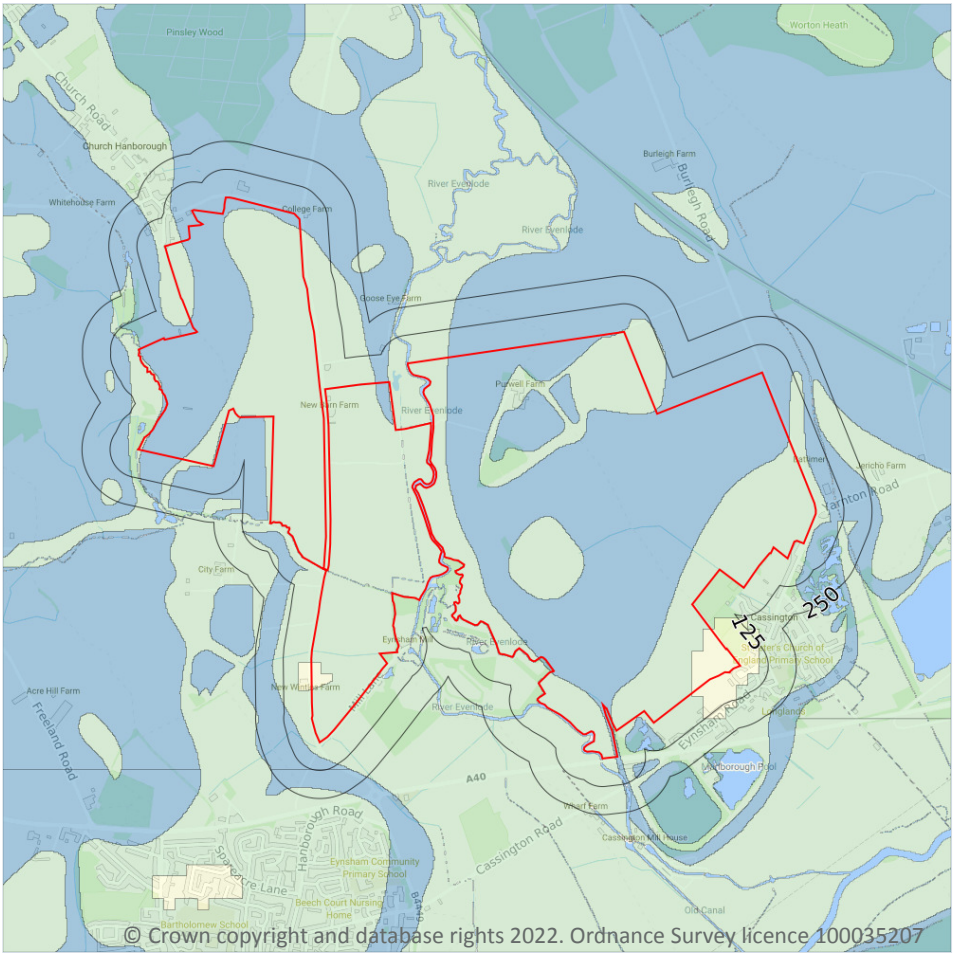
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

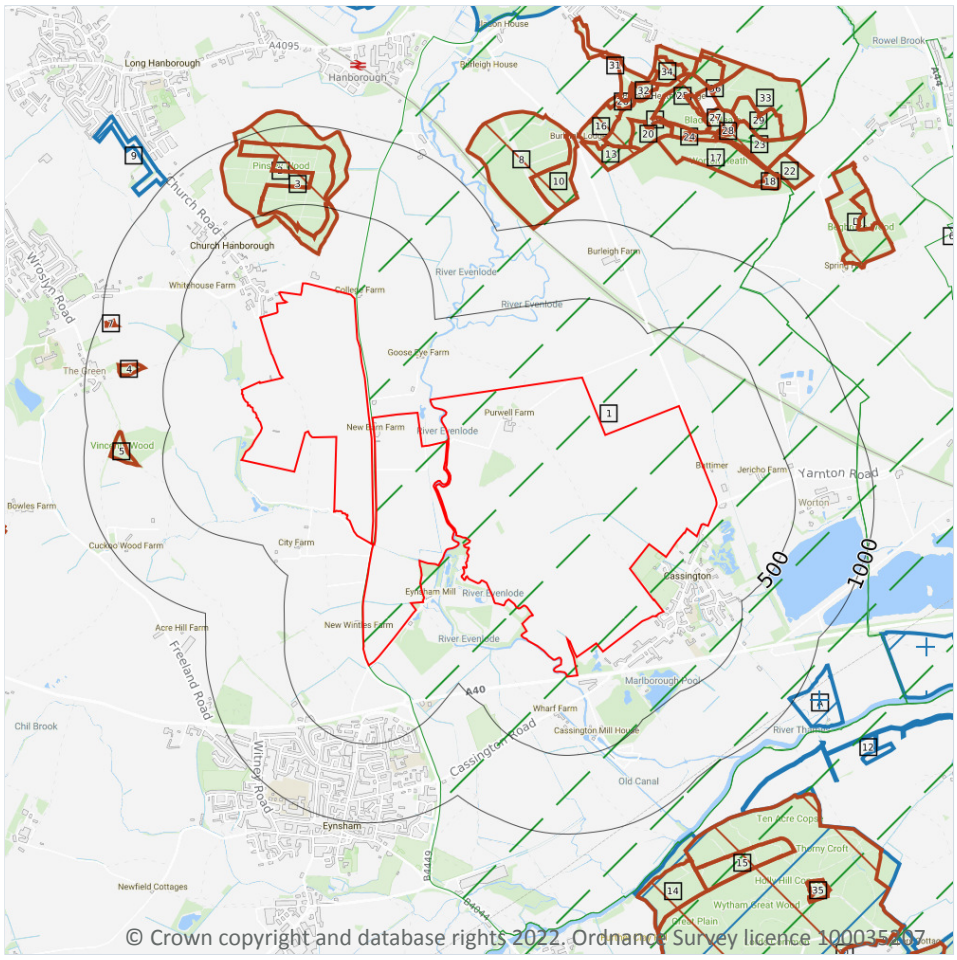
Highest risk on site	**Moderate**
Highest risk within 50m	**Moderate**

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

Features are displayed on the Groundwater flooding map on **page 101**

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)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	6

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 102**

ID	Location	Name	Data source
A	972m SE	Cassington Meadows	Natural England

ID	Location	Name	Data source
9	1016m NW	Long Hanborough Gravel Pit	Natural England
B	1240m SE	Wytham Woods	Natural England
12	1247m SE	Wytham Ditches and Flushes	Natural England
C	1298m SE	Pixey and Yarnton Meads	Natural England
30	1775m N	Blenheim Park	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	2

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 102**

ID	Location	Name	Features of interest	Habitat description	Data source
A	972m SE	Oxford Meadows	Lowland hay meadows; Creeping marshwort.	Improved grassland; Humid grassland, Mesophile grassland	Natural England
C	1298m SE	Oxford Meadows	Lowland hay meadows; Creeping marshwort.	Improved grassland; Humid grassland, Mesophile grassland	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	0

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

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

10.7 Designated Ancient Woodland

Records within 2000m	33

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 102**

ID	Location	Name	Woodland Type
2	200m N	Pinsley Wood	Ancient & Semi-Natural Woodland
3	299m N	Pinsley Wood	Ancient Replanted Woodland
4	635m W	The Thrift	Ancient & Semi-Natural Woodland
5	661m W	Vincents Wood	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
7	901m NW	The Thrift	Ancient & Semi-Natural Woodland
8	981m N	Burleigh Wood	Ancient Replanted Woodland
10	1071m N	Burleigh Wood	Ancient & Semi-Natural Woodland
B	1279m SE	Wytham Great Wood	Ancient & Semi-Natural Woodland
13	1328m N	Bladon Heath	Ancient Replanted Woodland
14	1360m SE	Further Clay Hill	Ancient Replanted Woodland
D	1391m NE	Begbroke Wood	Ancient & Semi-Natural Woodland
15	1440m SE	Hither Clay Hill (Part Of Wytham Geat Wood)	Ancient Replanted Woodland
16	1457m N	Bladon Heath	Ancient & Semi-Natural Woodland
17	1471m N	Worton Heath	Ancient Replanted Woodland
18	1476m N	Worton Heath	Ancient & Semi-Natural Woodland
19	1483m N	Bladon Heath	Ancient & Semi-Natural Woodland
20	1489m N	Bladon Heath	Ancient Replanted Woodland
21	1564m W	Castles Copse	Ancient Replanted Woodland
22	1565m NE	Unknown	Ancient & Semi-Natural Woodland
D	1600m NE	Begbroke Wood	Ancient Replanted Woodland
23	1605m N	Worton Heath?	Ancient & Semi-Natural Woodland
24	1649m NE	Bladon Heath	Ancient Replanted Woodland
25	1703m N	Bladon Heath	Ancient & Semi-Natural Woodland
26	1713m N	Bladon Heath	Ancient Replanted Woodland
27	1746m NE	Bladon Heath	Ancient Replanted Woodland
28	1748m N	Worton Heath	Ancient & Semi-Natural Woodland
29	1774m N	Bladon Heath	Ancient Replanted Woodland
31	1777m N	Bladon Heath	Ancient & Semi-Natural Woodland
32	1793m N	Bladon Heath	Ancient Replanted Woodland
33	1819m N	Bladon Heath	Ancient & Semi-Natural Woodland
34	1923m N	Bladon Heath	Ancient Replanted Woodland
35	1943m SE	Wytham Great Wood	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
36	1992m NE	Bladon Heath	Ancient Replanted 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	**3**

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

Features are displayed on the Environmental designations map on **page 102**

ID	Location	Name	Local Authority name
1	**On site**	**Oxford**	**West Oxfordshire**
6	853m NE	Oxford	Cherwell

ID	Location	Name	Local Authority name
11	1074m SE	Oxford	Vale of White Horse

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

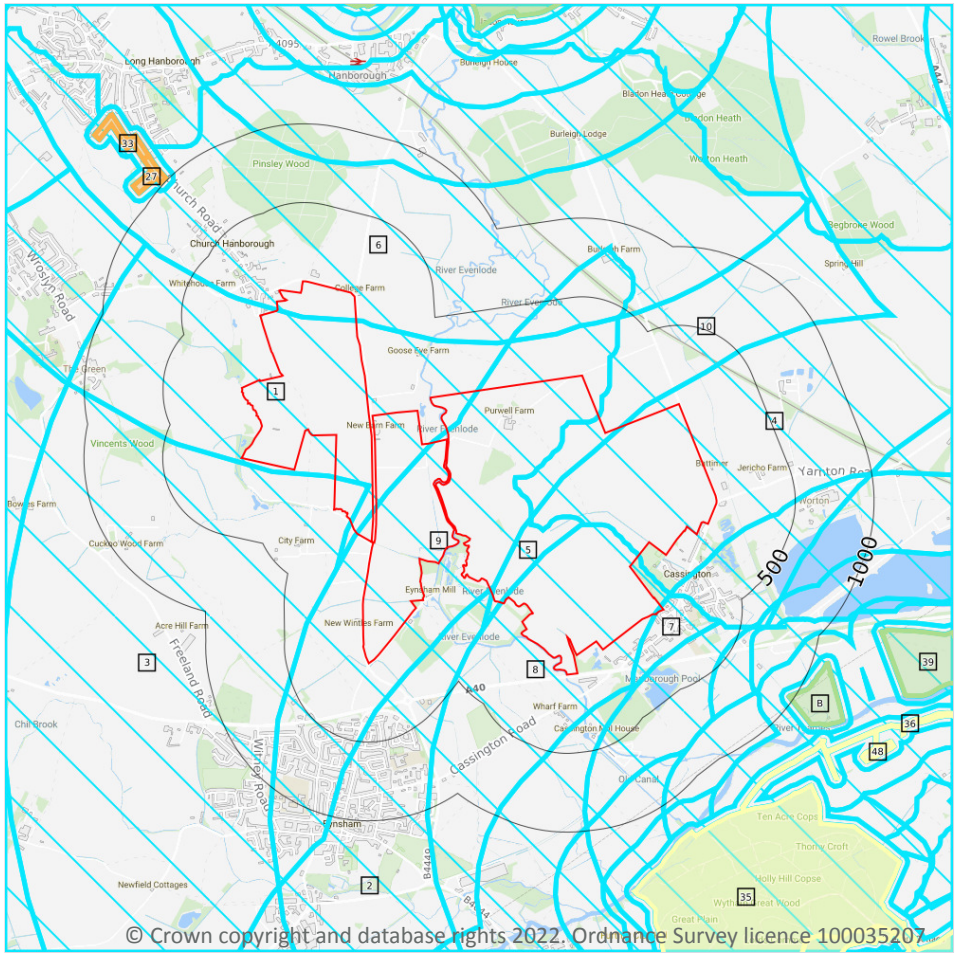
Records within 2000m	**11**

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	**Evenlode (Glyme to Thames) NVZ**	**Surface Water**	**473**	**Existing**
On site	**Evenlode (Glyme to Thames) NVZ**	**Surface Water**	**473**	**Existing**
On site	**THAMES (LEACH TO EVENLODE) NVZ**	**Surface Water**	**482**	**Existing**
630m SW	Chil and Limb Brooks (source to B4044) NVZ	Surface Water	480	Existing
770m S	THAMES (LEACH TO EVENLODE) NVZ	Surface Water	482	Existing
1211m E	Cherwell (Ray to Thames) and Woodeaton Brook NVZ	Surface Water	472	Existing
1265m NW	Evenlode (Bledington to Glyme confluence) NVZ	Surface Water	475	Existing
1411m NW	Cotswold Jurassic	Groundwater	83	Existing
1775m N	Glyme (Dorn confluence to Evenlode) NVZ	Surface Water	474	Existing
1840m N	Glyme (Dorn confluence to Evenlode) NVZ	Surface Water	474	Existing
1893m N	Cotswold Jurassic	Groundwater	83	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	10

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 109**

ID	Location	Type of developments requiring consultation
1	On site	**Infrastructure - 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. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**
2	On site	**Infrastructure - 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. 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.**
3	On site	**Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

ID	Location	Type of developments requiring consultation
4	On site	**Infrastructure - Pipelines, 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. 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 20m³/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.**
5	On site	**Infrastructure - Pipelines, 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. 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.**

ID	Location	Type of developments requiring consultation
6	On site	**Infrastructure - Pipelines, 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. 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 20m³/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.**
7	On site	**Infrastructure - Pipelines, 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 50 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 500 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 net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .**

ID	Location	Type of developments requiring consultation
8	On site	**Infrastructure - Pipelines, 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. 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.**
9	On site	**Infrastructure - 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. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. 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.**
10	On site	**Infrastructure - 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. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	9

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 109**

ID: B
Location: 972m SE
SSSI name: Cassington Meadows
Unit name: 1
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Floodplain fen (lowland)	Favourable	26/11/2021
H6510 Lowland hay meadows (A. pratensis, S. officinalis)	Favourable	09/12/2021
Lowland neutral grassland (MG4)	Favourable	26/11/2021

ID: 27
Location: 1016m NW
SSSI name: Long Hanborough Gravel Pit
Unit name: South
Broad habitat: Earth Heritage
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
ED - Quaternary of the Thames	Unfavourable - Declining	12/12/2012

ID: 33
Location: 1193m NW
SSSI name: Long Hanborough Gravel Pit
Unit name: North
Broad habitat: Earth Heritage
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
ED - Quaternary of the Thames	Unfavourable - Declining	11/12/2012

ID: 35
Location: 1240m SE
SSSI name: Wytham Woods
Unit name: Wytham Great Wood
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Unfavourable - Recovering	17/05/2012

ID: 36
Location: 1247m SE
SSSI name: Wytham Ditches and Flushes
Unit name: ~2km Of Ditches
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Ditches	Unfavourable - Recovering	05/08/2014
Nationally scarce plant - Sium latifolium, Greater Water-parsnip	Favourable	05/08/2014

ID: 39
Location: 1298m SE
SSSI name: Pixey and Yarnton Meads
Unit name: West Mead
Broad habitat: Neutral Grassland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
H6510 Lowland hay meadows (A. pratensis, S. officinalis)	Favourable	22/07/2020
Lowland neutral grassland (MG4)	Favourable	22/07/2020

ID: 48
Location: 1570m SE
SSSI name: Wytham Ditches and Flushes
Unit name: Fen
Broad habitat: Fen, Marsh And Swamp - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland fens, including basin, flood-plain, open water transition and valley fens	Unfavourable - Recovering	05/08/2014

ID: 54
Location: 1775m N
SSSI name: Blenheim Park
Unit name: 2
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

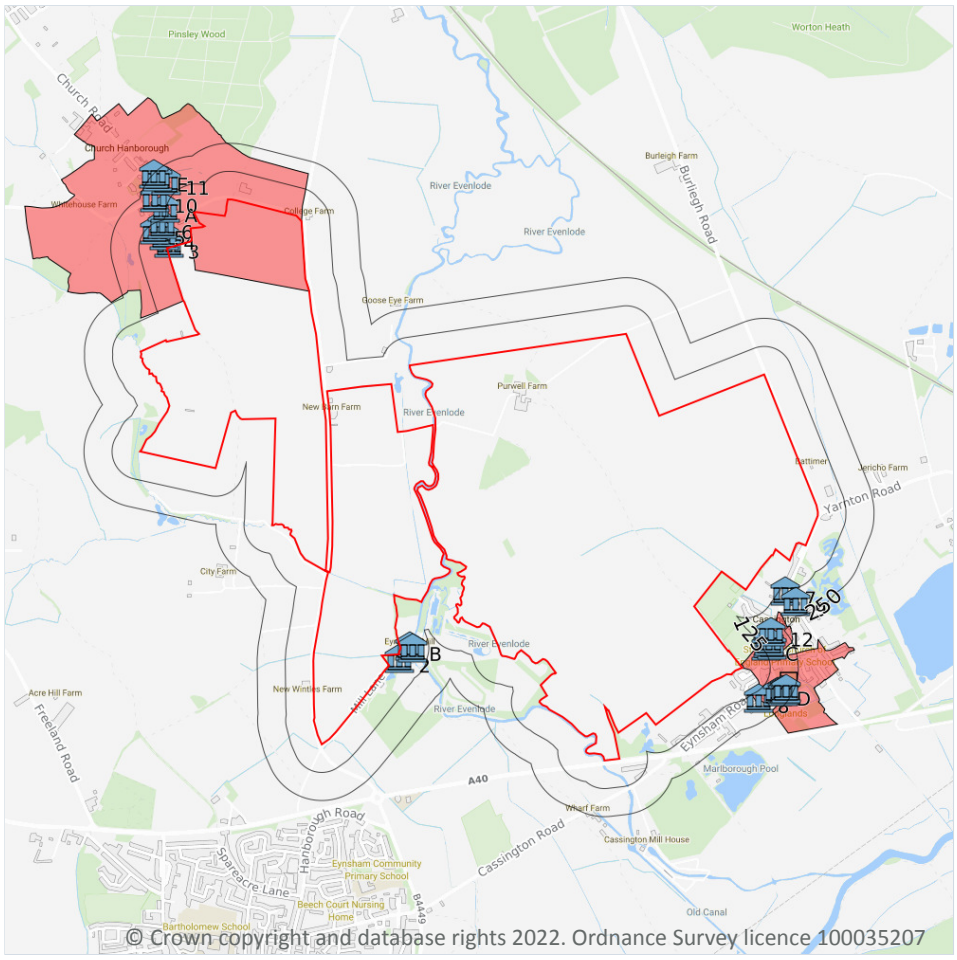
Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	17/06/2020
Invert. assemblage A212 bark and sapwood decay	Favourable	17/06/2020
Invert. assemblage A213 fungal fruiting body	Favourable	17/06/2020

ID: 57
Location: 1861m NE
SSSI name: Blenheim Park
Unit name: 3
Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Invert. assemblage A211 heartwood decay	Favourable	17/06/2020
Invert. assemblage A212 bark and sapwood decay	Favourable	17/06/2020
Invert. assemblage A213 fungal fruiting body	Favourable	17/06/2020

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	26

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 117**

ID	Location	Name	Grade	Reference Number	Listed date
2	17m S	Bridge Approximately 40 Metres South West of Eynsham Mill, Eynsham, West Oxfordshire, Oxfordshire, OX29	II	1283836	17/10/1988
3	18m N	Dunbar, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1198923	29/06/1988
B	42m E	Eynsham Mill, Eynsham, West Oxfordshire, Oxfordshire, OX29	II	1198409	17/10/1988
B	53m E	Bridge and Attached Weir Walls Approximately 1 Metre East of Eynsham Mill, Eynsham, West Oxfordshire, Oxfordshire, OX29	II	1368246	17/10/1988

ID	Location	Name	Grade	Reference Number	Listed date
4	58m N	Outbuilding and Attached Wall Approximately 50 Metres South of The Barn House, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1367969	29/06/1988
5	99m NW	2 Barns Approximately 20 Metres West South West of The Barn House, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1198943	16/05/1986
6	110m N	The Barn House, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1198930	29/06/1988
A	129m W	Shepherds Well, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1367968	29/06/1988
7	136m S	The Laurels, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1053043	29/06/1988
C	145m NE	The Cottage, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1198588	29/06/1988
8	152m SE	Phoenix Cottage, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1283788	29/06/1988
C	158m NE	Stork Cottage, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1053042	29/06/1988
C	166m NE	Cassington War Memorial, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1474377	08/04/2021
C	168m NE	Osborne Cottage, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1198582	29/06/1988
9	183m S	Lime Cottage, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1053036	29/06/1988
10	187m W	Thatched Cottage, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1198921	29/06/1988
D	188m SE	Base of Churchyard Cross Approximately 12 Metres West North West of Nave of Church of St Peter, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1053040	29/06/1988
11	190m NW	Barn Approximately 30 Metres East South East of Mylors, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1052996	29/06/1988
12	198m NE	Hampton House, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1367911	29/06/1988
D	203m SE	Chest Tomb Approximately 4 Metres North East of North Porch of Church of St Peter, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1283784	29/06/1988
D	208m SE	Headstone Approximately 4.5 Metres North of Chancel of Church of St Peter, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1367950	29/06/1988

ID	Location	Name	Grade	Reference Number	Listed date
D	212m SE	Church of St Peter, Cassington, West Oxfordshire, Oxfordshire, OX29	I	1367949	12/09/1955
D	213m SE	Group of 5 Headstones Approximately 3 Metres North of Chancel of Church of St Peter, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1283782	29/06/1988
D	218m SE	Chest Tomb Approximately 6 Metres North East of Chancel of Church of St Peter, Cassington, West Oxfordshire, Oxfordshire, OX29	II	1053039	29/06/1988
E	228m NW	Mylors and Attached Outbuilding, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1052995	29/06/1988
E	250m NW	The Ferrets, Hanborough, West Oxfordshire, Oxfordshire, OX29	II	1198907	07/01/1975

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

11.5 Conservation Areas

Records within 250m	**2**

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.

Features are displayed on the Visual and cultural designations map on **page 117**

ID	Location	Name	District	Date of designation
A	**On site**	**Church Hanborough**	**West Oxfordshire**	**10/05/1990**
1	6m E	Cassington	West Oxfordshire	30/11/1992

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

11.6 Scheduled Ancient Monuments

Records within 250m	**0**

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial

sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

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

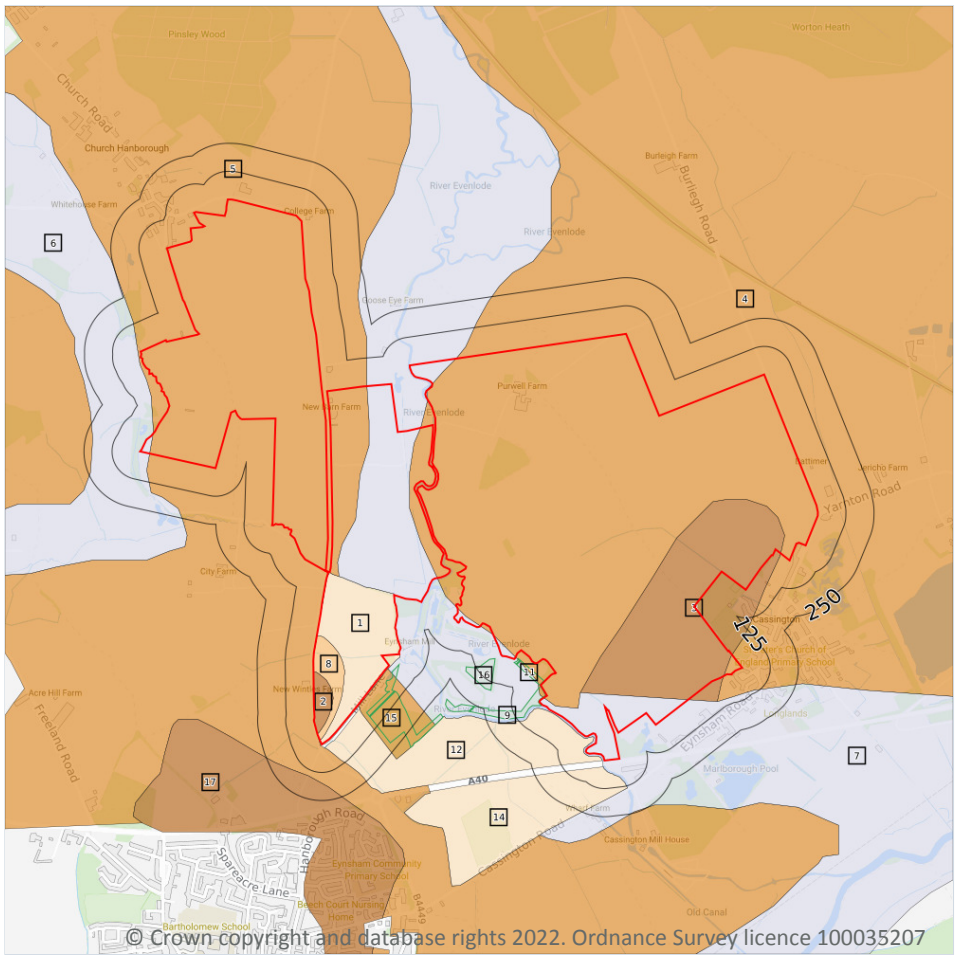
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m	11

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 122**

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 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.**
3	**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.**
4	**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.**
5	**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.**
6	**On site**	**Grade 4**	**Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.**
7	**On site**	**Grade 4**	**Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.**
8	**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.**
12	7m SW	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.
14	29m 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.

ID	Location	Classification	Description
17	152m SW	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.

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	**4**

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 122**

ID	Location	Description	Reference	Application date
9	3m SW	Selective Fell/Thin (Unconditional)	019/230/09-10	07/10/2009
11	4m NW	Selective Fell/Thin (Unconditional)	019/230/09-10	07/10/2009
15	29m SE	Selective Fell/Thin (Unconditional)	019/230/09-10	07/10/2009
16	32m SW	Selective Fell/Thin (Unconditional)	019/230/09-10	07/10/2009

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	**9**

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	**AG00352385**	**Organic Entry Level plus Higher Level Stewardship**	**01/06/2011**	**31/05/2021**
1m W	AG00352385	Organic Entry Level plus Higher Level Stewardship	01/06/2011	31/05/2021
1m W	AG00299601	Organic Entry Level plus Higher Level Stewardship	01/01/2010	31/12/2019
14m SW	AG00299601	Organic Entry Level plus Higher Level Stewardship	01/01/2010	31/12/2019
45m SW	AG00299601	Organic Entry Level plus Higher Level Stewardship	01/01/2010	31/12/2019
131m NW	AG00299601	Organic Entry Level plus Higher Level Stewardship	01/01/2010	31/12/2019
183m SW	AG00299601	Organic Entry Level plus Higher Level Stewardship	01/01/2010	31/12/2019
200m NW	AG00358666	Entry Level plus Higher Level Stewardship	01/03/2012	28/02/2022
238m NW	AG00299601	Organic Entry Level plus Higher Level Stewardship	01/01/2010	31/12/2019

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

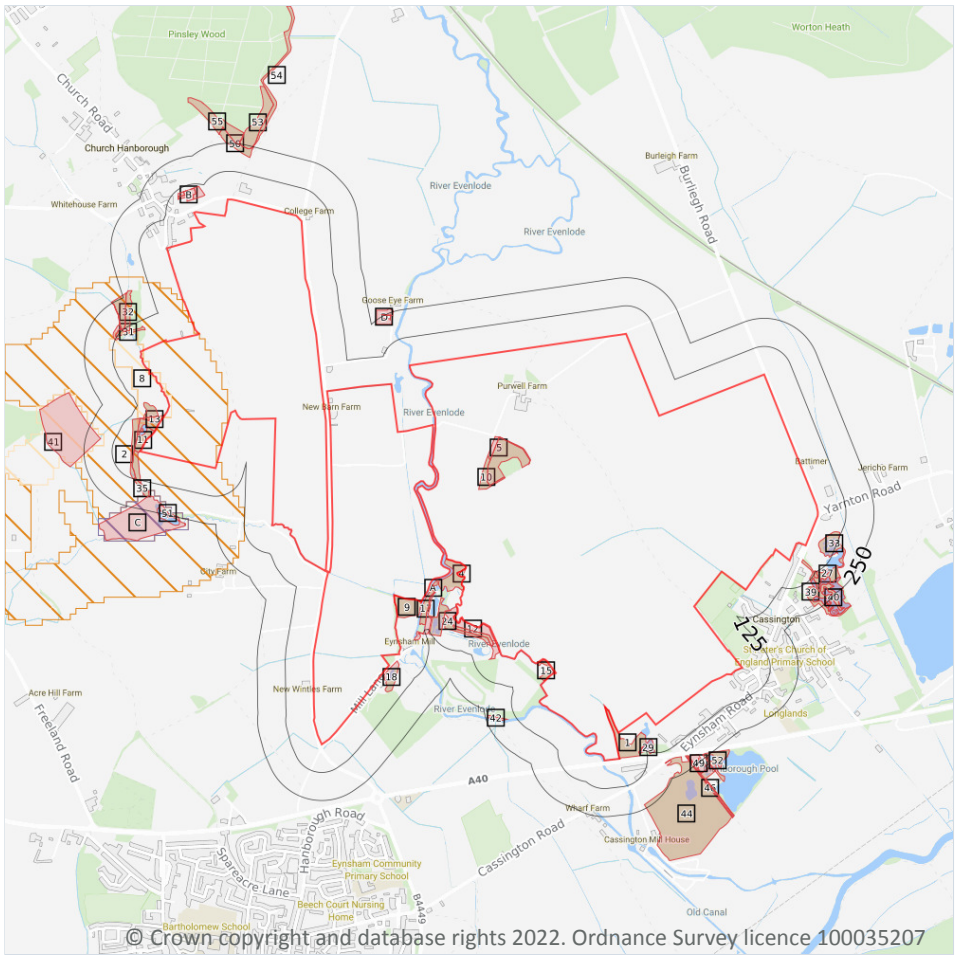
Records within 250m	**4**

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

Location	Reference	Scheme	Start Date	End Date
1m W	1060851	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
131m NW	1060851	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025
194m NW	474798	Countryside Stewardship (Middle Tier)	01/01/2018	31/12/2022
233m NW	1060851	Countryside Stewardship (Middle Tier)	01/01/2021	31/12/2025

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	61

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 127**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
6	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
7	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
9	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
10	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
11	2m NW	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
12	2m SW	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
13	2m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
14	2m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
15	3m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	9m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
17	9m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	10m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	10m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	11m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	15m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	20m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	24m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	26m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	27m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
24	29m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
25	35m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	39m NW	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
27	50m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	57m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
28	58m N	Traditional orchard	Main habitat: TORCH (INV > 50%)
29	69m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
30	74m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	80m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
B	88m NW	Traditional orchard	Main habitat: TORCH (INV > 50%)
B	104m NW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
32	106m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
33	107m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
34	114m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
35	118m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
36	119m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
37	128m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
38	130m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
39	151m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
40	162m SE	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
42	163m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
43	164m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); GQSIG (FEP + HLS)
44	168m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	183m S	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS); Additional: LMEAD (FEP 50%)
45	185m W	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
46	191m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
47	193m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
48	196m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
D	197m NW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
49	199m SE	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
50	200m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
51	211m S	No main habitat but additional habitats present	Additional: LMEAD (FEP 50%)
D	225m NW	Traditional orchard	Main habitat: TORCH (INV > 50%)
52	234m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
53	236m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
D	238m N	Traditional orchard	Main habitat: TORCH (INV > 50%)
54	241m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
55	245m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**4**

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 127**

ID	Location	Type	Habitat
2	**On site**	**Network Enhancement Zone 1**	**Not specified**
8	**On site**	**Habitat Restoration-Creation**	**Not specified**
C	156m S	Restorable Habitat	Not specified
41	163m W	Habitat Restoration-Creation	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

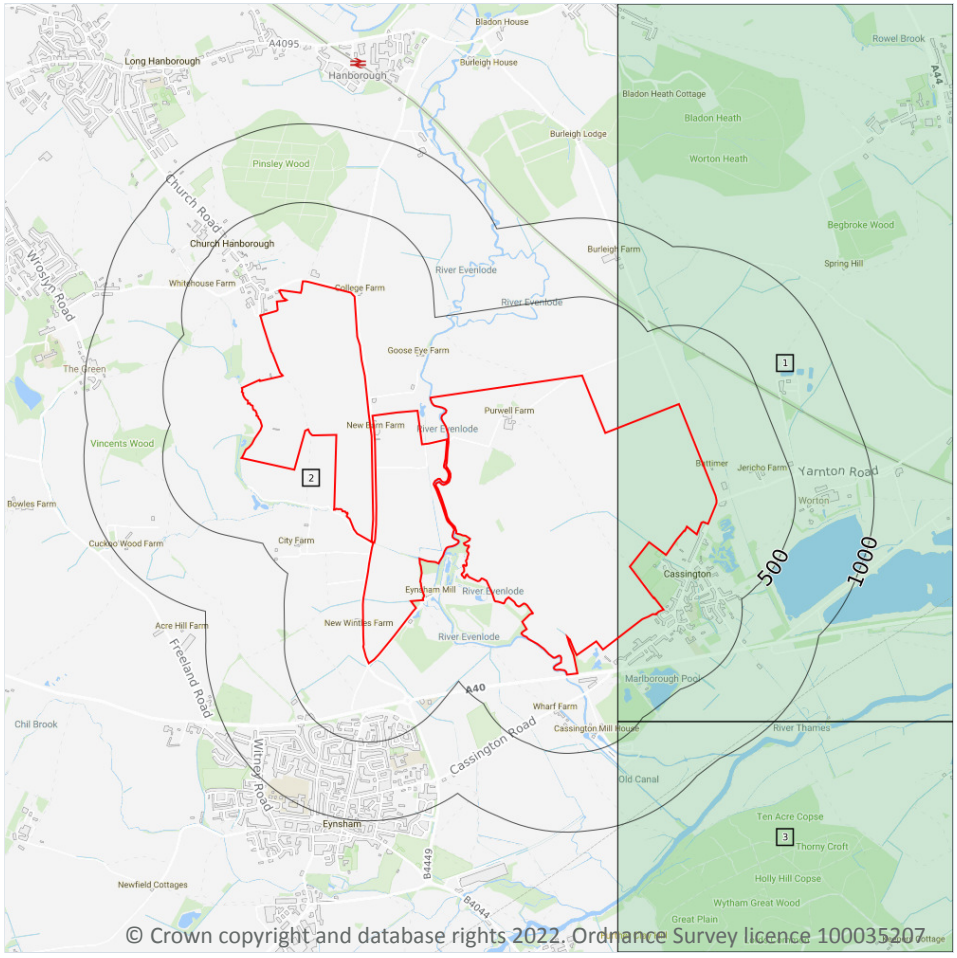
Records within 250m	**0**

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



14.1 10k Availability

Records within 500m	3

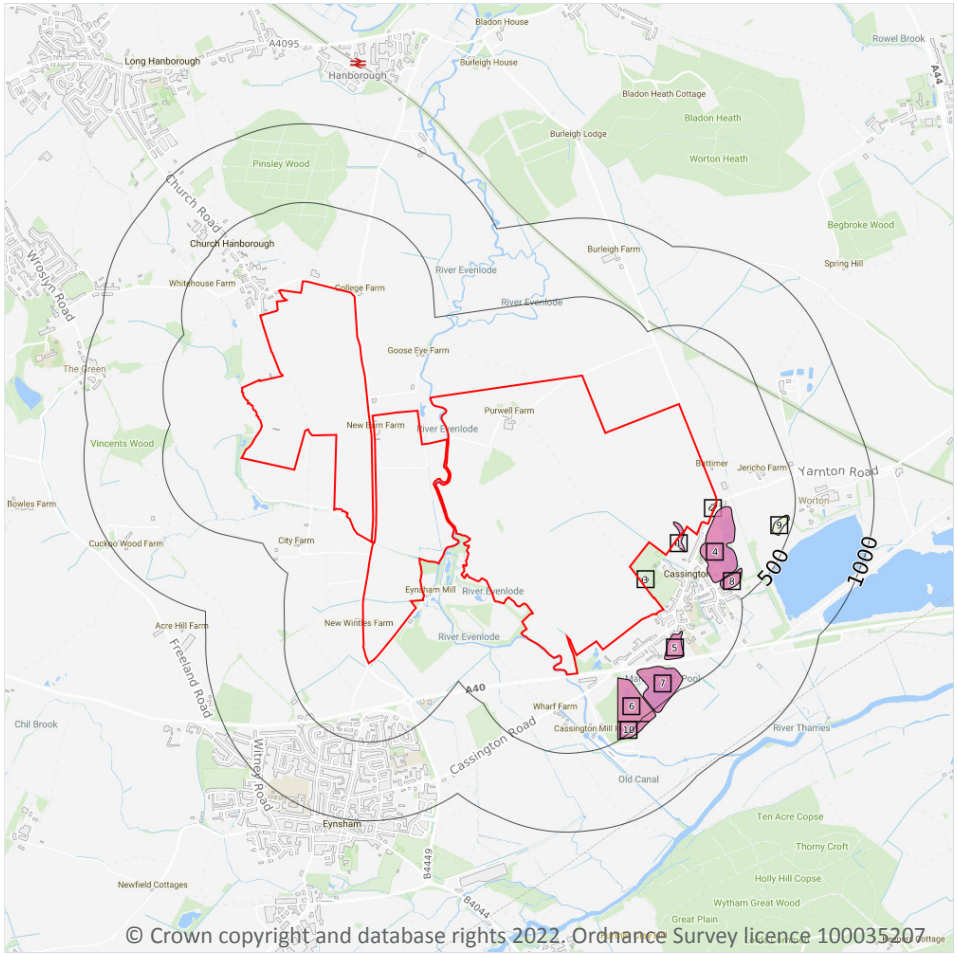
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 132**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SP41SE**
2	**On site**	**No coverage**	**No coverage**	**No coverage**	**No coverage**	**NoCov**
3	399m SE	Full	Full	Full	Full	SP40NE

This data is sourced from the British Geological Survey.

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



14.2 Artificial and made ground (10k)

Records within 500m	10

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.

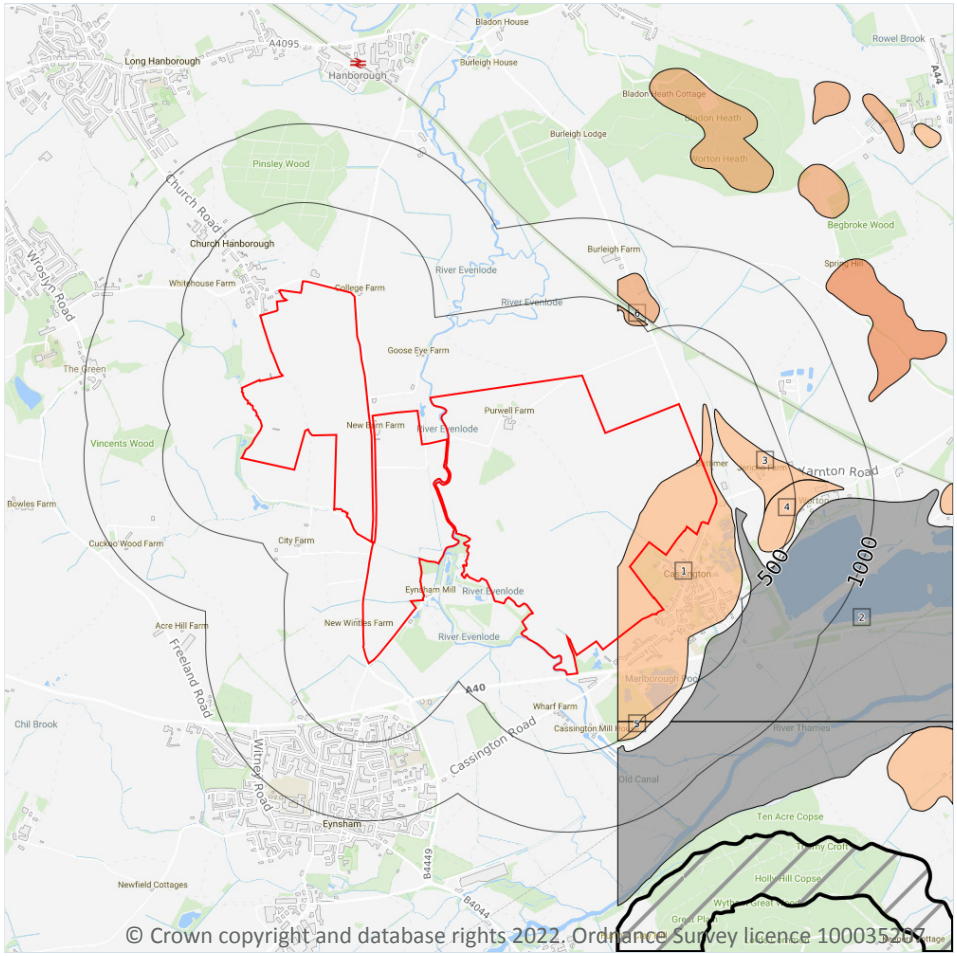
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 133**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WGR-VOID**	**Worked Ground (Undivided)**	**Void**
2	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
3	10m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	20m SE	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	167m SE	WGR-VOID	Worked Ground (Undivided)	Void
6	202m SE	WGR-VOID	Worked Ground (Undivided)	Void
7	242m SE	WGR-VOID	Worked Ground (Undivided)	Void
8	330m SE	WGR-VOID	Worked Ground (Undivided)	Void
9	389m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	399m SE	WGR-VOID	Worked Ground (Undivided)	Void

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 **6**

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 135**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**SURA-XSV**	**Summertown-radley Sand And Gravel Member - Sand And Gravel**	**Sand And Gravel**
2	129m E	ALV-CZ	Alluvium - Silty Clay	Clay, Silty
3	156m E	SURAL-XSV	Summertown-radley Sand And Gravel Member, Lower Facet - Sand And Gravel	Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	311m E	SURAU-XSV	Summertown-radley Sand And Gravel Member, Upper Facet - Sand And Gravel	Sand And Gravel
5	399m SE	SURA-XSV	Summertown-radley Sand And Gravel Member - Sand And Gravel	Sand And Gravel
6	442m NE	WV-XSV	Wolvercote Sand And Gravel Member - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

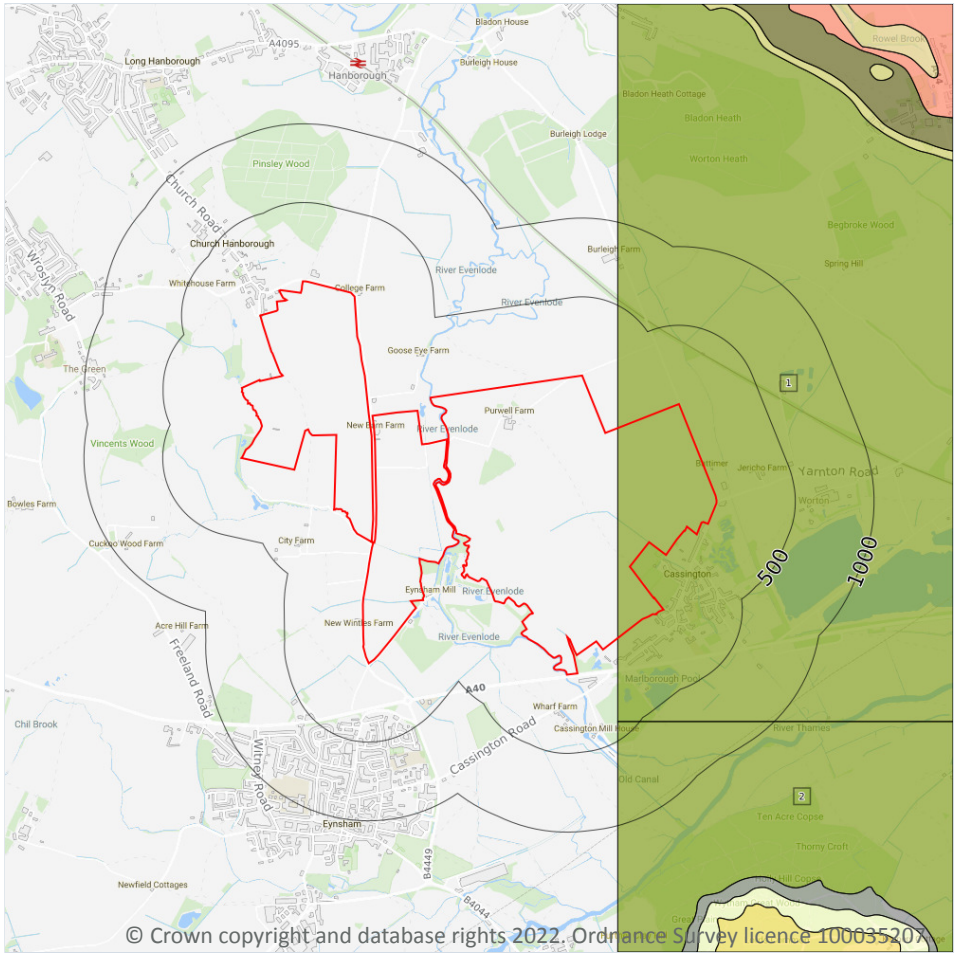
14.4 Landslip (10k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m **2**

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 137**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**OXWW-MDST**	**Oxford Clay Formation And West Walton Formation (undifferentiated) - Mudstone**	**Oxfordian Age - Callovian Age**
2	399m SE	OXWW-MDST	Oxford Clay Formation And West Walton Formation (undifferentiated) - Mudstone	Oxfordian Age - Callovian Age

This data is sourced from the British Geological Survey.

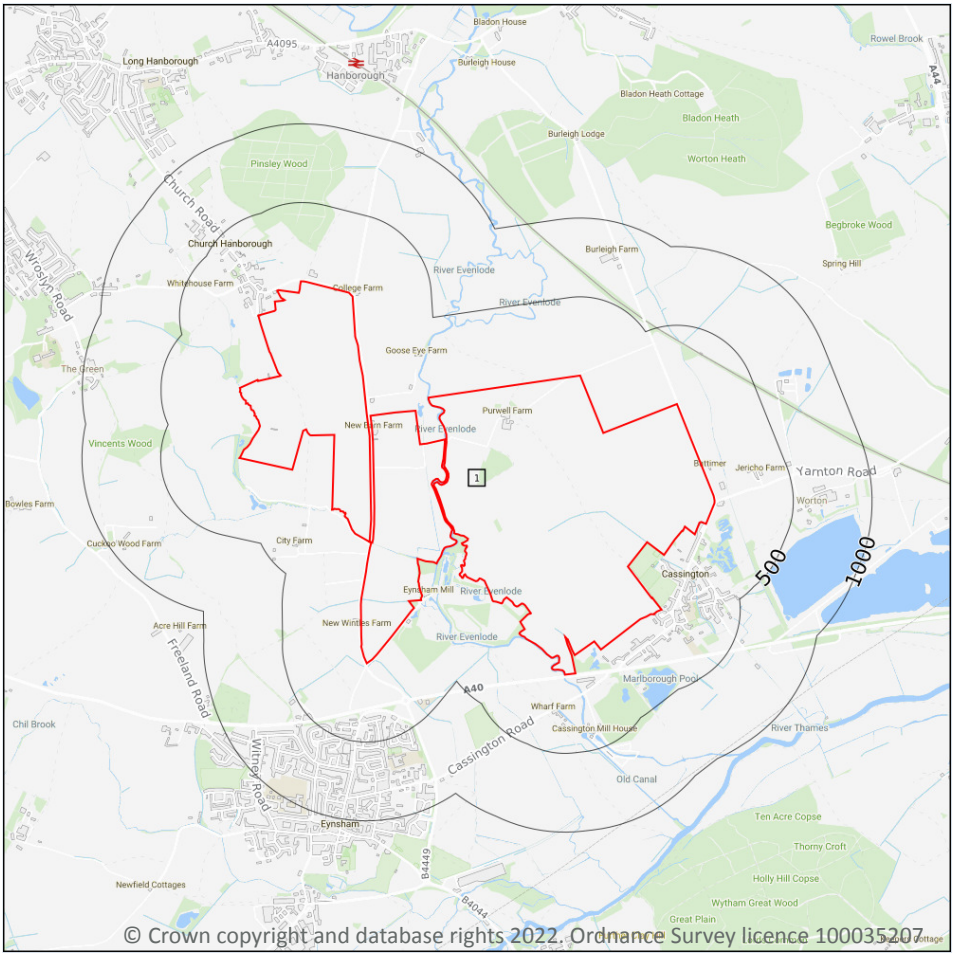
14.6 Bedrock faults and other linear features (10k)

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



15.1 50k Availability

Records within 500m	1

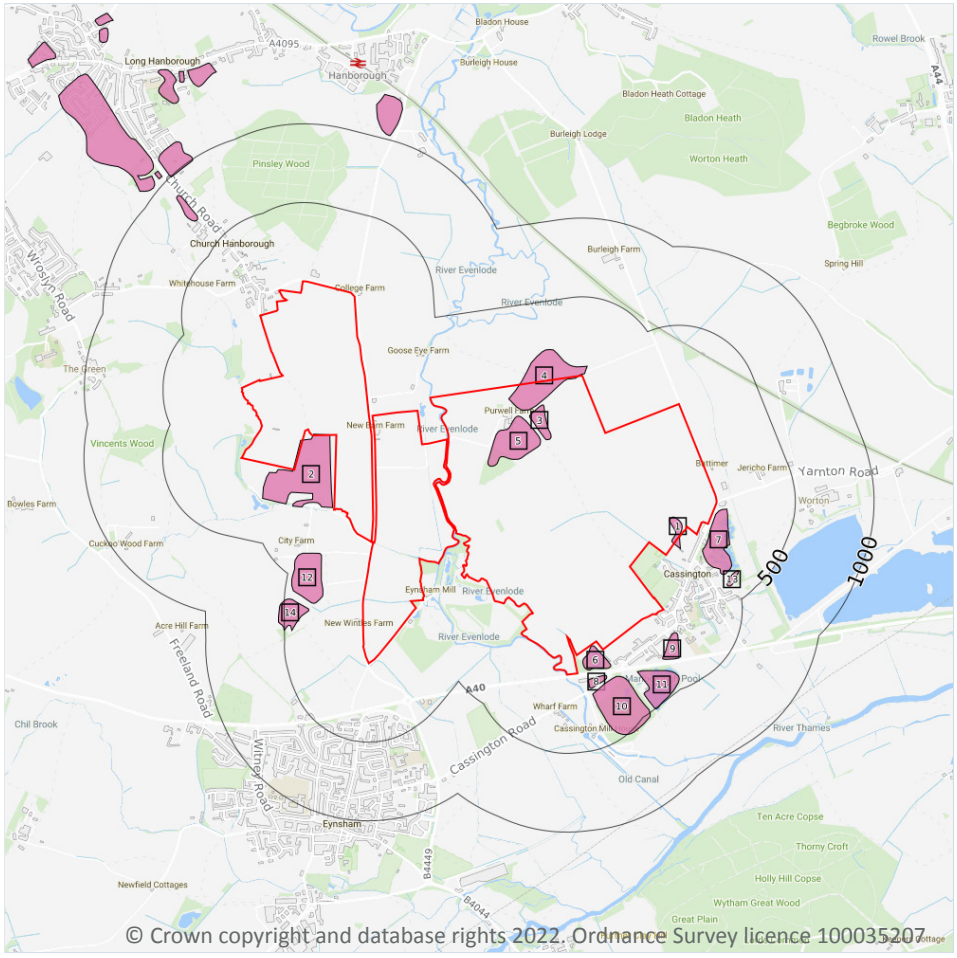
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 139**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW236_witney_v4**

This data is sourced from the British Geological Survey.

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



15.2 Artificial and made ground (50k)

Records within 500m	14

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 140**

ID	Location	LEX Code	Description	Rock description
1	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
3	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
4	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

ID	Location	LEX Code	Description	Rock description
5	**On site**	**WGR-VOID**	**WORKED GROUND (UNDIVIDED)**	**VOID**
6	8m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
7	22m E	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
8	82m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
9	162m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
10	163m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
11	246m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
12	258m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
13	340m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
14	344m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

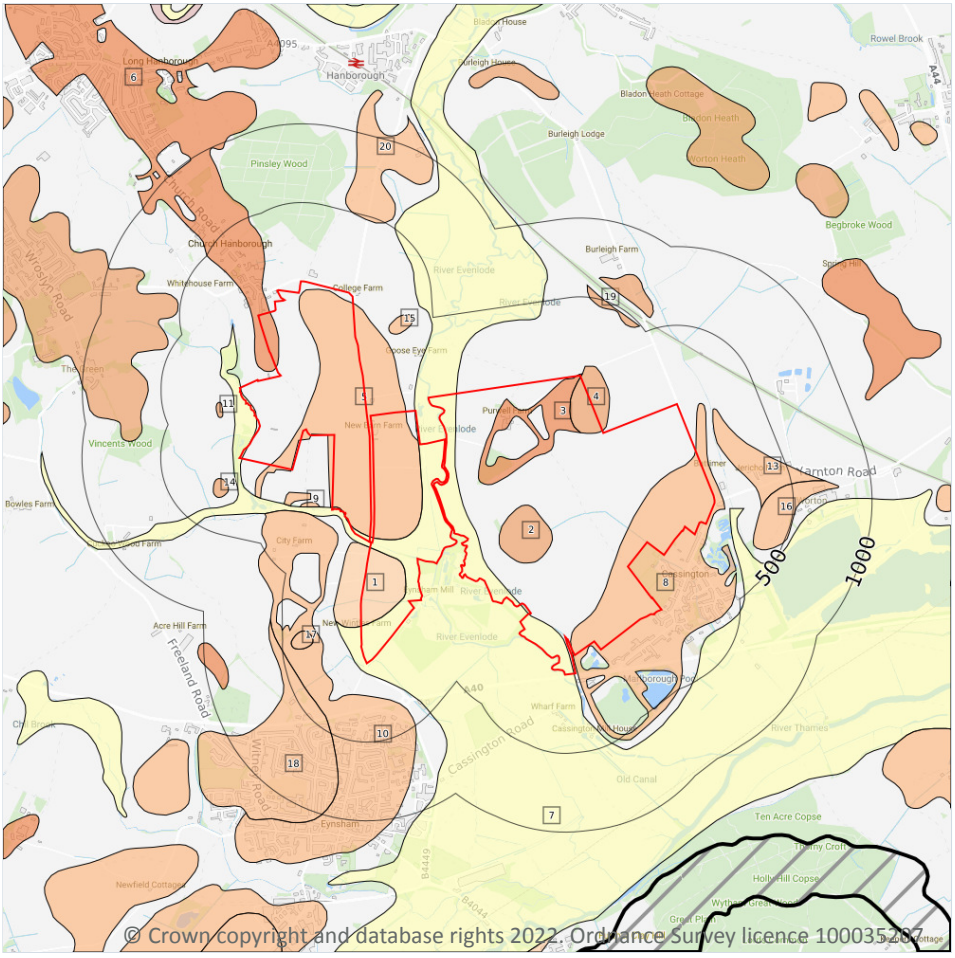
15.3 Artificial ground permeability (50k)

Records within 50m	**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	20

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 142**

ID	Location	LEX Code	Description	Rock description
1	On site	NO-XSV	NORTHMOOR SAND AND GRAVEL MEMBER	SAND AND GRAVEL
2	On site	WV-XSV	WOLVERCOTE SAND AND GRAVEL MEMBER	SAND AND GRAVEL
3	On site	HAN-XSV	HANBOROUGH GRAVEL MEMBER	SAND AND GRAVEL
4	On site	NDR-XSV	NORTHERN DRIFT FORMATION	SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
5	**On site**	**SURA-XSV**	**SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER**	**SAND AND GRAVEL**
6	**On site**	**HAN-XSV**	**HANBOROUGH GRAVEL MEMBER**	**SAND AND GRAVEL**
7	**On site**	**ALV-XCZSV**	**ALLUVIUM**	**CLAY, SILT, SAND AND GRAVEL**
8	**On site**	**SURA-XSV**	**SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER**	**SAND AND GRAVEL**
9	80m W	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL
10	95m SW	SURAL-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER, LOWER FACET	SAND AND GRAVEL
11	137m SW	WV-XSV	WOLVERCOTE SAND AND GRAVEL MEMBER	SAND AND GRAVEL
12	139m W	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL
13	145m E	SURAL-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER, LOWER FACET	SAND AND GRAVEL
14	171m SW	WV-XSV	WOLVERCOTE SAND AND GRAVEL MEMBER	SAND AND GRAVEL
15	216m E	SURA-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER	SAND AND GRAVEL
16	292m E	SURAU-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER, UPPER FACET	SAND AND GRAVEL
17	308m W	SURAU-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER, UPPER FACET	SAND AND GRAVEL
18	408m SW	SURAU-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER, UPPER FACET	SAND AND GRAVEL
19	434m NE	WV-XSV	WOLVERCOTE SAND AND GRAVEL MEMBER	SAND AND GRAVEL
20	474m N	SURAU-XSV	SUMMERTOWN-RADLEY SAND AND GRAVEL MEMBER, UPPER FACET	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **9**

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**	**High**
On site	**Intergranular**	**Very High**	**High**

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

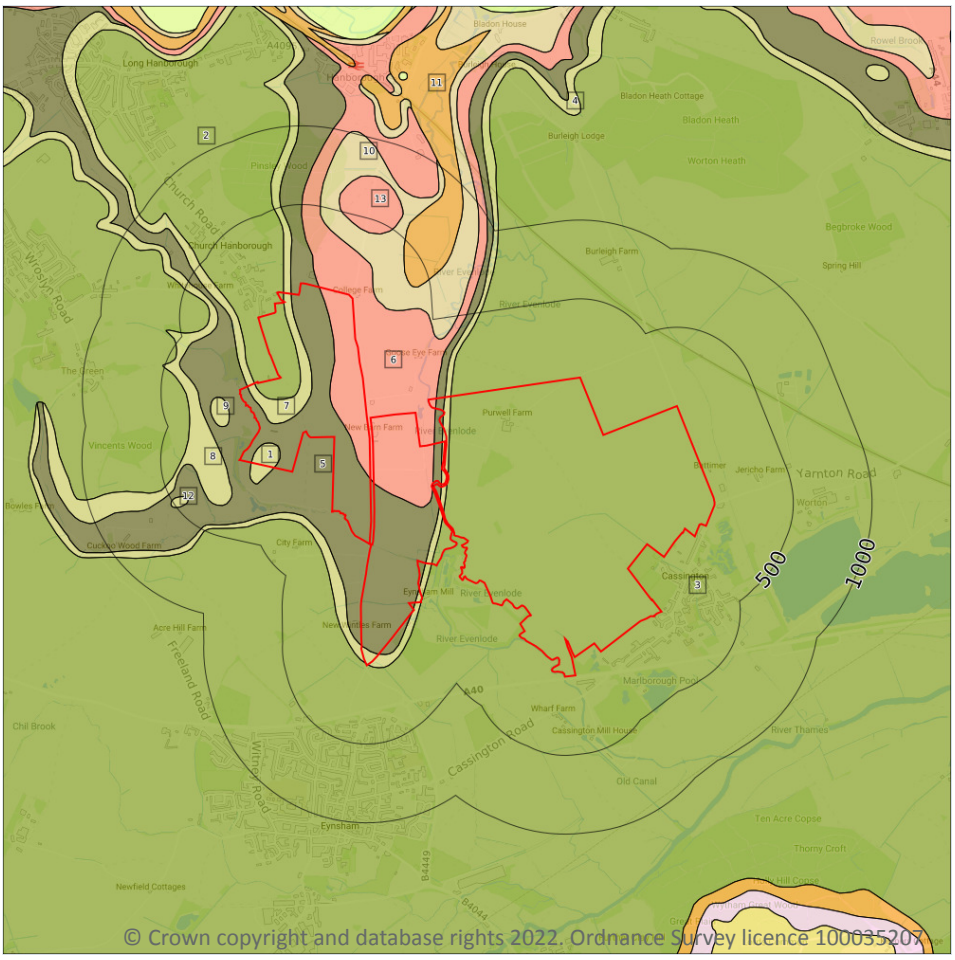
15.7 Landslip permeability (50k)

Records within 50m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	13

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 145**

ID	Location	LEX Code	Description	Rock age
1	On site	KLS-SDSL	KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED	CALLOVIAN
2	On site	PET-MDST	PETERBOROUGH MEMBER - MUDSTONE	CALLOVIAN
3	On site	OXWW-MDST	OXFORD CLAY FORMATION AND WEST WALTON FORMATION (UNDIFFERENTIATED) - MUDSTONE	CALLOVIAN

ID	Location	LEX Code	Description	Rock age
4	**On site**	**KLS-SDSL**	**KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED**	**CALLOVIAN**
5	**On site**	**KLC-MDST**	**KELLAWAYS CLAY MEMBER - MUDSTONE**	**CALLOVIAN**
6	**On site**	**CB-LMST**	**CORNBRASH FORMATION - LIMESTONE**	**BATHONIAN**
7	**On site**	**KLS-SDSL**	**KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED**	**CALLOVIAN**
8	95m W	KLS-SDSL	KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED	CALLOVIAN
9	102m SW	KLS-SDSL	KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED	CALLOVIAN
10	141m E	FMB-MDST	FOREST MARBLE FORMATION - MUDSTONE	BATHONIAN
11	368m E	FMB-LMST	FOREST MARBLE FORMATION - LIMESTONE	BATHONIAN
12	411m SW	KLS-SDSL	KELLAWAYS SAND MEMBER - SANDSTONE AND SILTSTONE, INTERBEDDED	CALLOVIAN
13	413m N	CB-LMST	CORNBRASH FORMATION - LIMESTONE	BATHONIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**8**

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

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

This data is sourced from the British Geological Survey.

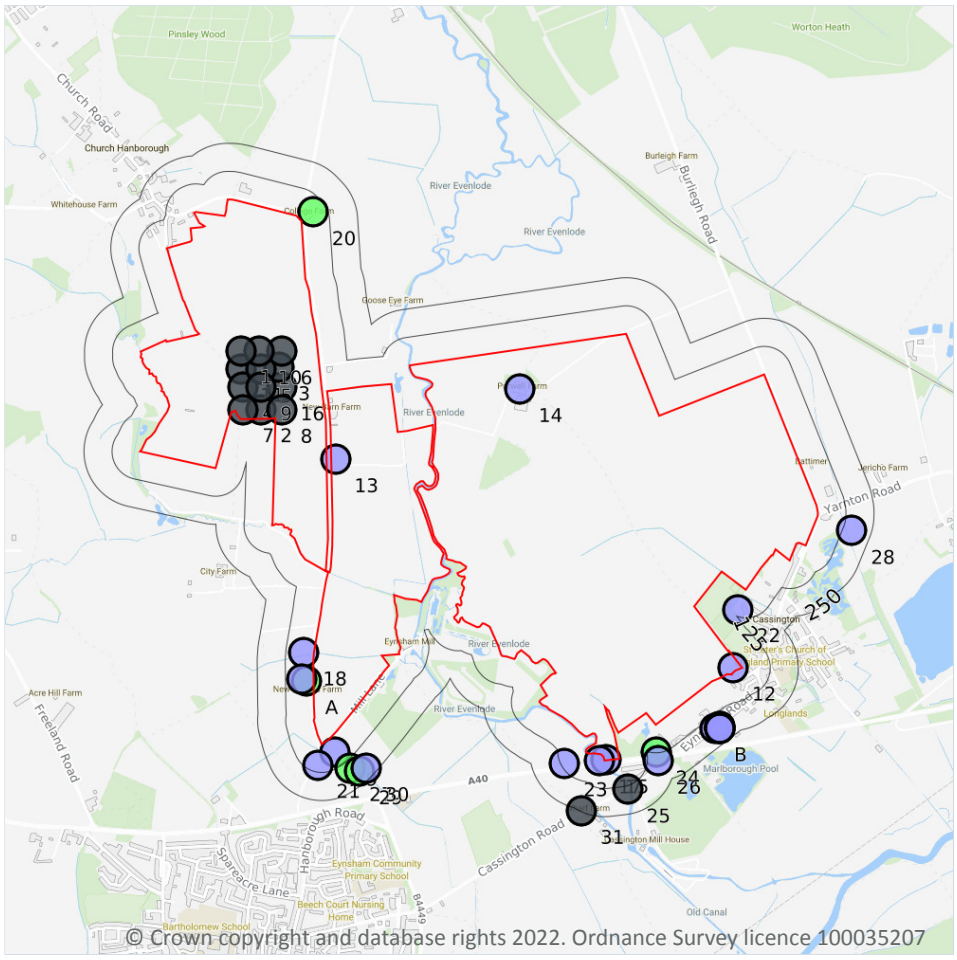
15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	40

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 148**

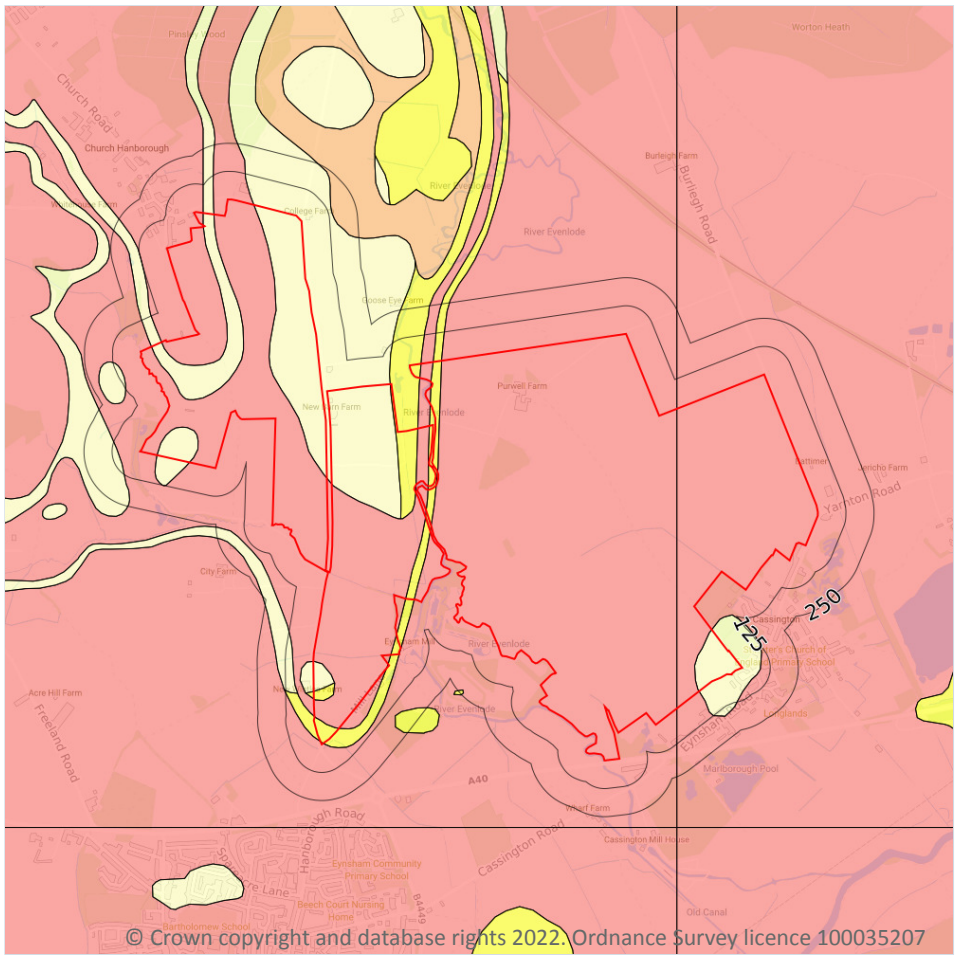
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	443060 212120	CHURCH HANBOROUGH E8/12	-	Y	N/A
2	On site	443150 211860	CHURCH HANBOROUGH E8/2	-	Y	N/A
3	On site	443230 212050	CHURCH HANBOROUGH E8/9	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	**On site**	**443070 211960**	**CHURCH HANBOROUGH E8/6**	**-**	**Y**	**N/A**
5	**On site**	**443150 212040**	**CHURCH HANBOROUGH E8/8**	**-**	**Y**	**N/A**
6	**On site**	**443240 212120**	**CHURCH HANBOROUGH E8/10**	**-**	**Y**	**N/A**
7	**On site**	**443070 211860**	**CHURCH HANBOROUGH E8/1**	**-**	**Y**	**N/A**
8	**On site**	**443240 211860**	**CHURCH HANBOROUGH E8/3**	**-**	**Y**	**N/A**
9	**On site**	**443150 211960**	**CHURCH HANBOROUGH E8/5**	**-**	**Y**	**N/A**
10	**On site**	**443140 212120**	**CHURCH HANBOROUGH E8/11**	**-**	**Y**	**N/A**
11	**On site**	**443060 212040**	**CHURCH HANBOROUGH E8/7**	**-**	**Y**	**N/A**
12	**On site**	**445250 210710**	**CASSINGTON HOUSE CASSINGTON**	**7.1**	**N**	**330700**
13	**On site**	**443480 211640**	**NEW BARN CHURCH HANBOROUGH**	**2.3**	**N**	**330904**
14	**On site**	**444300 211950**	**PURWELL FARM**	**-2.0**	**N**	**330977**
15	**On site**	**444684 210300**	**A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 22**	**7.0**	**N**	**19511380**
16	**On site**	**443240 211960**	**CHURCH HANBOROUGH E8/4**	**-**	**Y**	**N/A**
17	23m W	444654 210297	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 21	10.0	N	19511379
A	33m W	443350 210650	NEW WINTLES FARM EYNSHAM OXON	25.91	N	330913
18	44m W	443340 210780	BARA LAND	-2.0	N	330973
A	53m W	443330 210660	NEW WINTLES FARM	-2.0	N	330974
19	63m SE	443477 210334	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 14	8.0	N	19530557
20	65m NE	443380 212740	COLLEGE FARM HANBOROUGH	21.33	N	330909
21	95m S	443400 210277	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE TPN	3.0	N	19511396
22	95m SW	445270 210970	CASSINGTON OXFORD	6.4	N	330716
23	108m SW	444500 210287	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 20	5.0	N	19511378
24	120m S	444910 210337	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 23	15.0	N	19511381
25	141m S	444780 210170	EG2	-	Y	N/A
26	160m S	444916 210298	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 24	10.0	N	19511382

ID	Location	Grid reference	Name	Length	Confidential	Web link
27	161m SE	443546 210263	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 15	12.0	N	19511373
28	166m E	445779 211321	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 31	5.55	N	19511404
B	175m SE	445170 210440	53 EYNSHAM ROAD CASSINGTON OXFORDSHIRE 1	1.3	N	15948338
B	180m SE	445190 210450	51 EYNSHAM ROAD CASSINGTON TP 2	1.1	N	15952154
B	180m SE	445190 210450	51 EYNSHAM ROAD CASSINGTON TP 1	1.15	N	15952153
B	187m SE	445190 210440	51 EYNSHAM ROAD CASSINGTON TP 3	1.0	N	15952155
B	187m SE	445190 210440	51 EYNSHAM ROAD CASSINGTON 1B	3.22	N	15952151
B	187m SE	445190 210440	51 EYNSHAM ROAD CASSINGTON 1A	3.2	N	15952150
B	187m SE	445190 210440	51 EYNSHAM ROAD CASSINGTON 1C	4.12	N	15952152
29	197m SE	443588 210251	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 16	11.5	N	19511374
30	208m SE	443617 210265	A40 WITNEY - CASSINGTON DUALLING OXFORDSHIRE 17	7.0	N	19511375
31	246m SW	444575 210075	EOO/98	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m	3

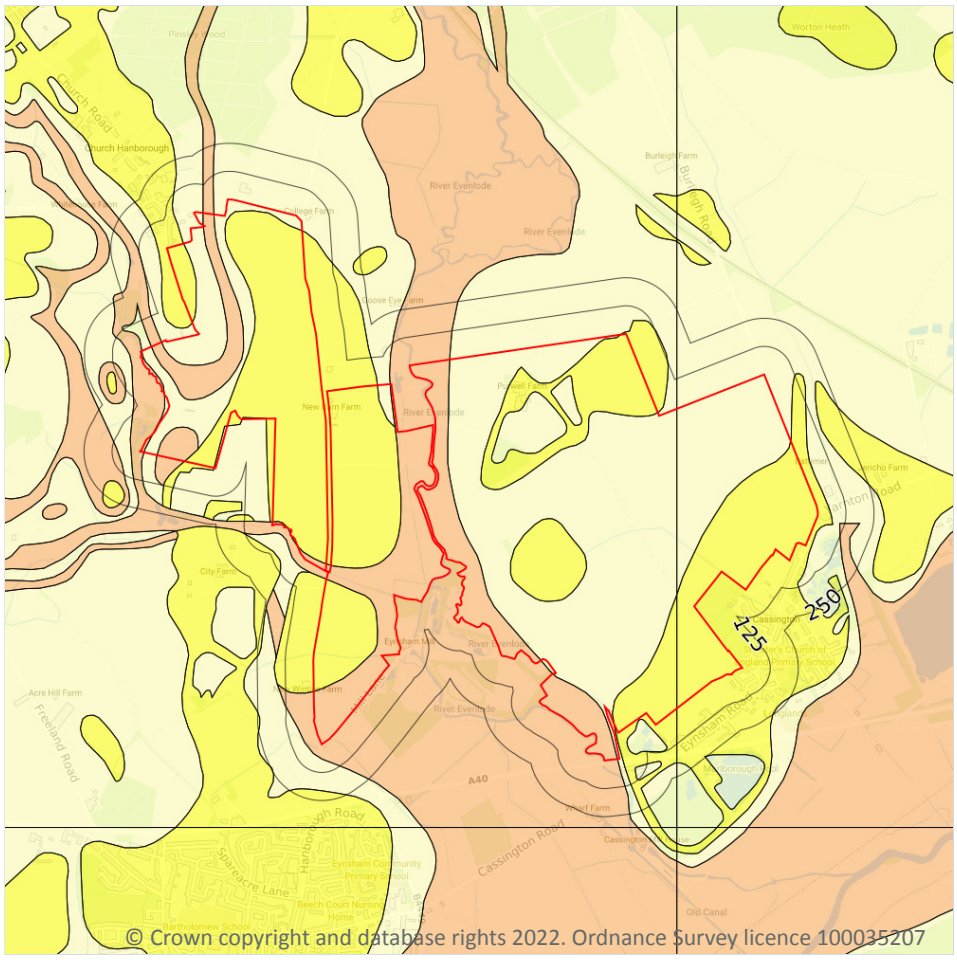
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 151**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**
On site	**Moderate**	**Ground conditions predominantly high 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	5

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.

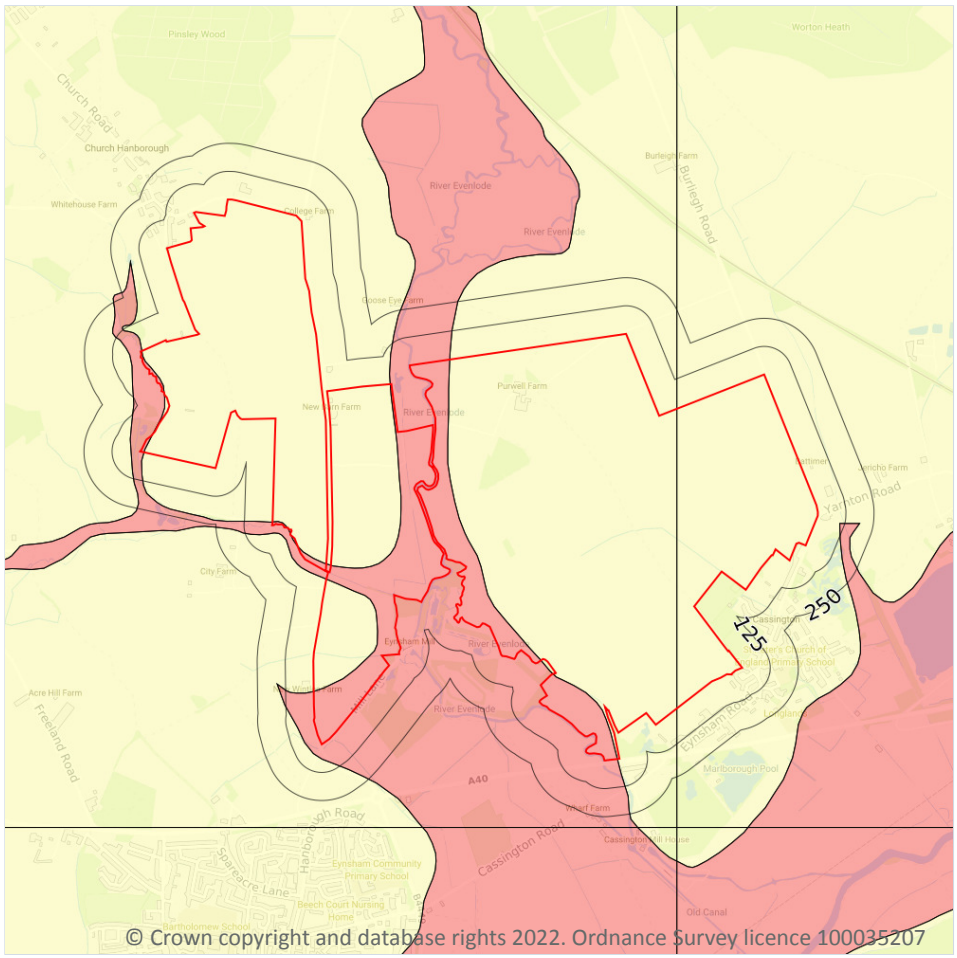
Features are displayed on the Natural ground subsidence - Running sands map on **page 153**

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

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**
8m SE	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.
29m SW	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m	2

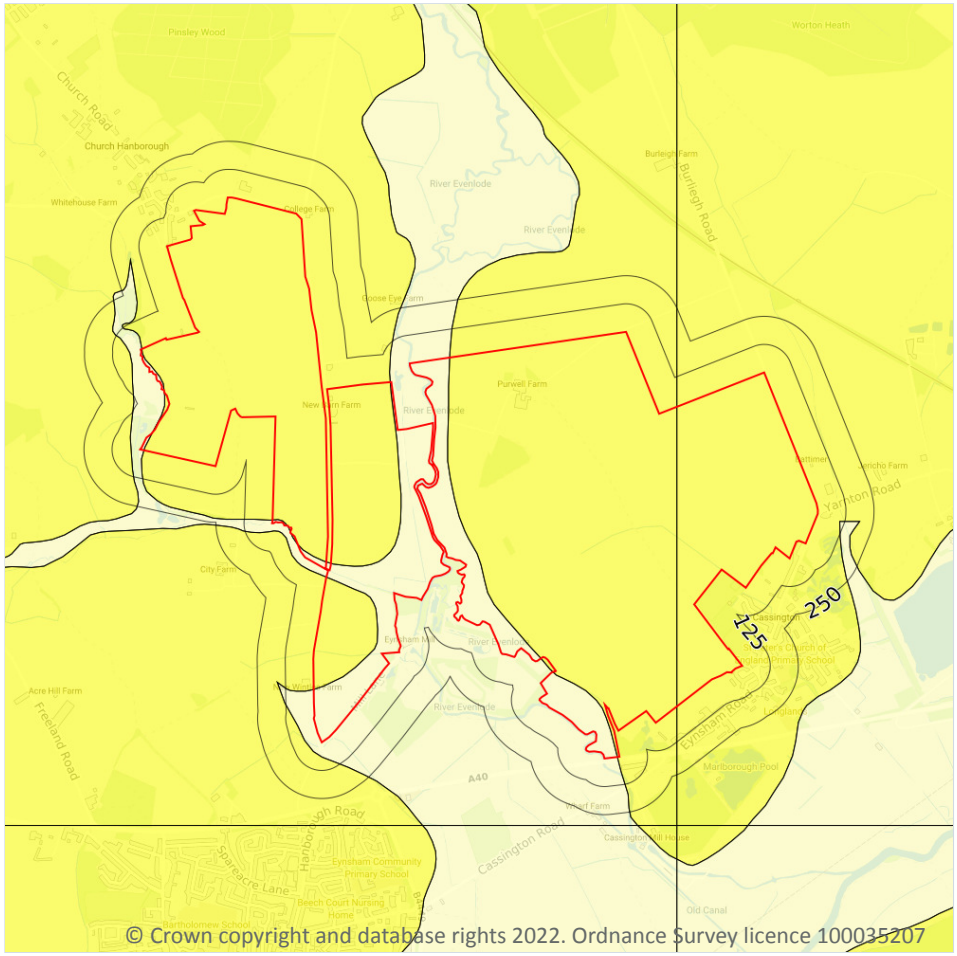
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 155**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m	2

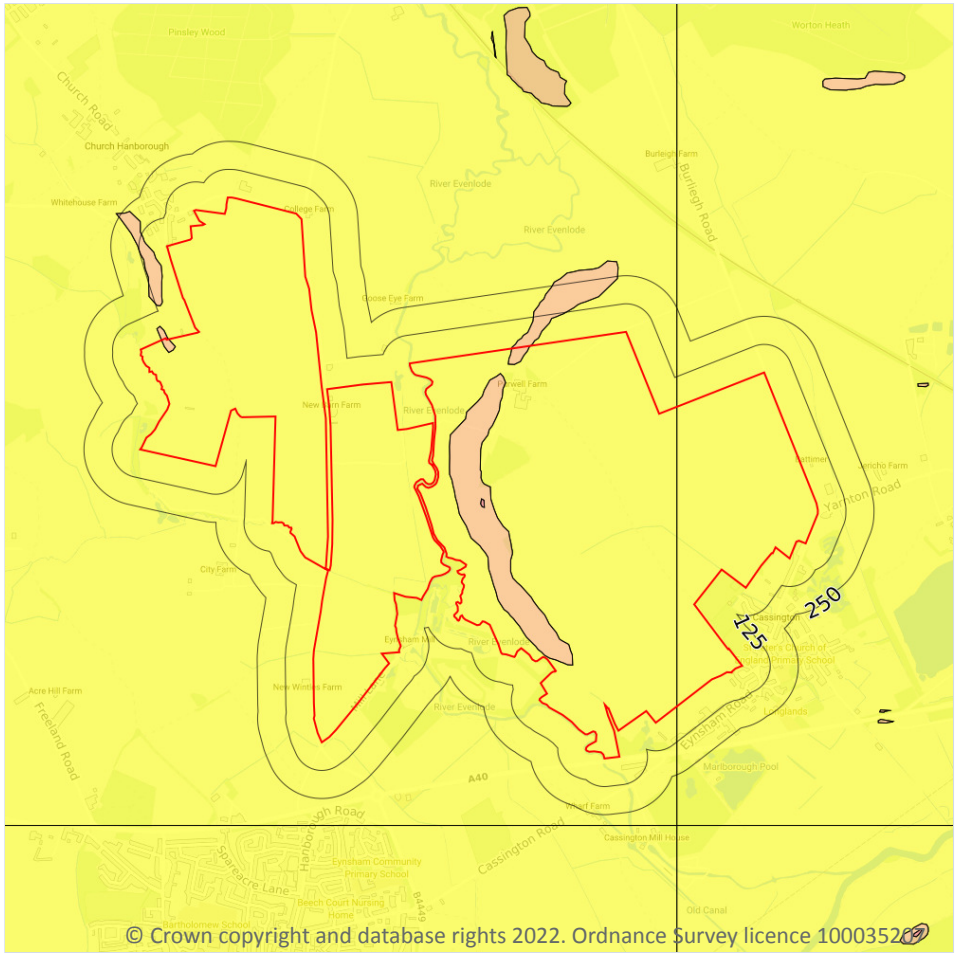
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 157**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m	4

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.

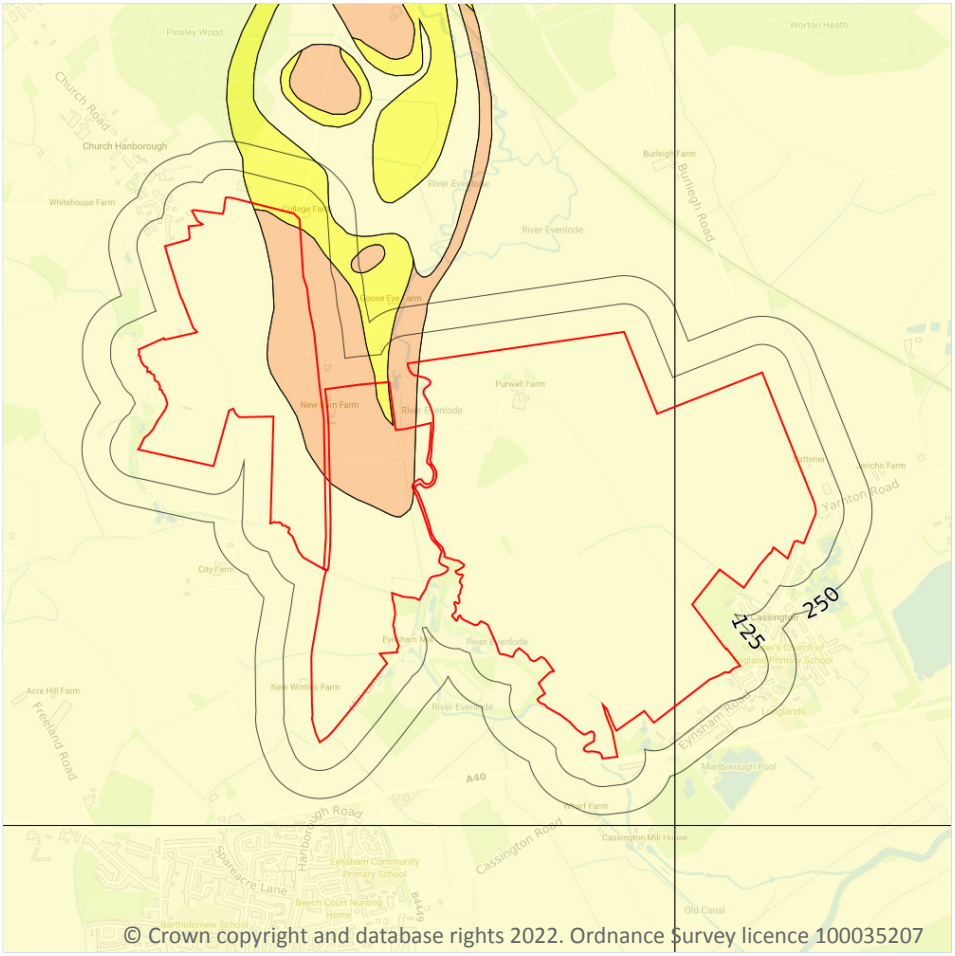
Features are displayed on the Natural ground subsidence - Landslides map on **page 158**

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.**

Location	Hazard rating	Details
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
On site	**Moderate**	**Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.**
49m W	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m	3

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.

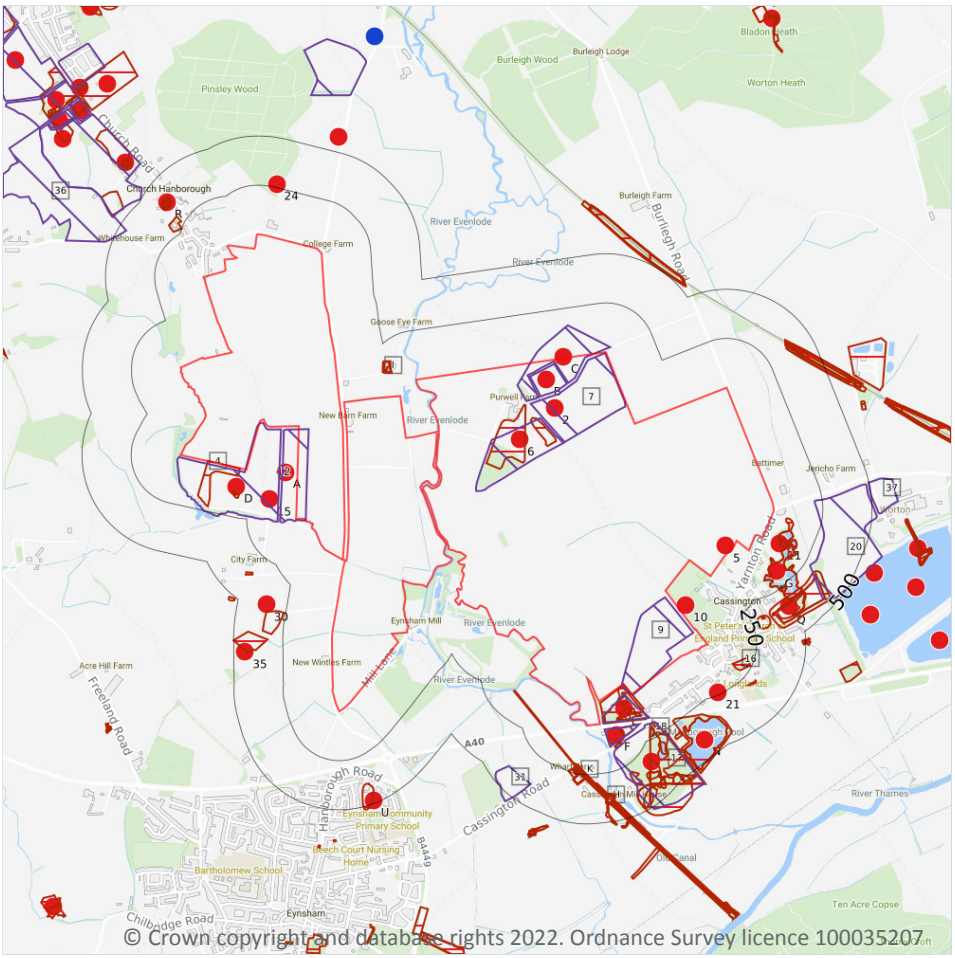
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 160**

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

Location	Hazard rating	Details
On site	**Very low**	**Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.**
On site	**Low**	**Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.**

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



18.1 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.

18.2 BritPits

Records within 500m	23

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, ground workings and natural cavities map on **page 162**

ID	Location	Details	Description
2	**On site**	**Name: Purwell Farm Gravel Pit Address: CASSINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased**	**Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority**
5	**On site**	**Name: The Elms Gravel Pit Address: CASSINGTON, Oxfordshire 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**
6	**On site**	**Name: Purwell Farm Gravel Pit Address: CASSINGTON, Oxfordshire 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**
B	**On site**	**Name: Purwell Farm Gravel Pit Address: CASSINGTON, Oxfordshire 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	8m N	Name: Purwell Farm Gravel Pit Address: CASSINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
10	38m NE	Name: The Elms Gravel Pit Address: CASSINGTON, Oxfordshire 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
A	61m W	Name: City Farm Gravel Pit Address: EYNSHAM, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	84m SW	Name: Eynsham Road Gravel Pit Address: CASSINGTON, Oxfordshire 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
11	89m E	Name: Acrey Quarry Address: CASSINGTON, Oxfordshire 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
D	95m S	Name: City Farm Gravel Pit Address: EYNSHAM, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
12	96m E	Name: City Farm Gravel Pit Address: EYNSHAM, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
F	100m SE	Name: Eynsham Road Gravel Pit Address: CASSINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
15	139m W	Name: City Farm Gravel Pit Address: EYNSHAM, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	177m SE	Name: Acrey Quarry Address: CASSINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
21	237m SE	Name: Cassington Gravel Pit Address: CASSINGTON, Oxfordshire 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
24	267m N	Name: Pinstey Wood Quarry Address: Church Handborough, Long Hanborough, WOODSTOCK, Oxfordshire Commodity: Limestone 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
J	326m SE	Name: Eynsham Road Gravel Pit Address: CASSINGTON, Oxfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
Q	348m SE	Name: Acrey Quarry Address: CASSINGTON, Oxfordshire 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
30	354m W	Name: City Farm Gravel Pit Address: EYNSHAM, Oxfordshire 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
R	379m NW	Name: Church Hanborough Gravel Pit Address: Church Handborough, Long Hanborough, WOODSTOCK, Oxfordshire 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	409m SE	Name: Eynsham Road Gravel Pit Address: CASSINGTON, Oxfordshire 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
35	442m W	Name: City Farm Gravel Pit Address: EYNSHAM, Oxfordshire 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
U	482m S	Name: Eynsham Road Gravel Pit Address: CASSINGTON, Oxfordshire 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.

18.3 Surface ground workings

Records within 250m	37

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, ground workings and natural cavities map on **page 162**

ID	Location	Land Use	Year of mapping	Mapping scale
1	**On site**	**Unspecified Pit**	**1950**	**1:10560**
3	**On site**	**Disused Sand Pit**	**1950**	**1:10560**
4	**On site**	**Unspecified Disused Pit**	**1978**	**1:10000**
E	0m SW	Unspecified Disused Pit	1978	1:10000
E	2m SE	Unspecified Pit	1950	1:10560
E	21m SW	Pond	1978	1:10000
F	53m SE	Unspecified Pit	1950	1:10560
E	69m S	Ponds	1978	1:10000
G	71m E	Unspecified Disused Pit	1979	1:10000
G	71m E	Unspecified Disused Pit	1992	1:10000
F	101m E	Pond	1950	1:10560
H	113m SW	Canal	1876	1:10560
I	120m N	Unspecified Pit	1876	1:10560
D	121m S	Pond	1978	1:10000
I	124m N	Unspecified Pit	1922	1:10560
I	124m N	Unspecified Pit	1914	1:10560
I	124m N	Unspecified Pit	1914	1:10560
I	127m N	Unspecified Pit	1950	1:10560
13	130m E	Unspecified Pit	1938	1:10560
14	136m SE	Sand Pit	1876	1:10560
16	162m SE	Grave Yard	1876	1:10560
17	177m SE	Disused Workings	1992	1:10000
18	192m SE	Unspecified Disused Pit	1979	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
K	203m S	Old Canal	1978	1:10000
19	204m S	Old Canal	1900	1:10560
K	210m S	Unspecified Wharf	1900	1:10560
L	214m S	Old Canal	1914	1:10560
L	216m S	Old Canal	1922	1:10560
K	217m S	Unspecified Wharf	1900	1:10560
K	221m S	Unspecified Wharf	1876	1:10560
K	223m S	Unspecified Wharf	1914	1:10560
K	223m S	Unspecified Wharf	1914	1:10560
K	224m S	Unspecified Wharf	1922	1:10560
K	226m S	Unspecified Wharf	1950	1:10560
M	232m SE	Pond	1968	1:10560
N	233m SE	Unspecified Pit	1968	1:10560
22	249m W	Grave Yard	1880	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 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.

18.5 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, ground workings and natural cavities map on **page 162**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
7	**On site**	**Purwell Farm**	**Sand and gravel**	**Surface mineral working**	**Valid**	**1951**
8	**On site**	**Purwell Farm**	**Sand and gravel**	**Surface mineral working**	**Valid**	**Not available**
9	**On site**	**Eynsham Road**	**Sand and gravel**	**Surface mineral working**	**Refused**	**3/6/52**
A	**On site**	**City Farm**	**Sand and gravel**	**Surface mineral working**	**Refused**	**Not available**
B	**On site**	**Purwell Farm**	**Sand and gravel**	**Surface mineral working**	**Valid**	**1951**
C	**On site**	**Purwell Farm**	**Sand and gravel**	**Surface mineral working**	**Valid**	**1954**
D	**On site**	**City Farm**	**Sand and gravel**	**Surface mineral working**	**Valid**	**23/5/55**
E	17m E	Eynsham Road	Sand and gravel	Surface mineral working	Valid	9/6/47
F	36m SE	Eynsham Road	Sand and gravel	Surface mineral working	Valid	9/6/47
J	151m SE	Eynsham Road	Sand and gravel	Surface mineral working	Valid	9/6/47
20	211m E	Manor Farm	Sand and gravel	Surface mineral working	Refused	26/7/56
31	388m SW	Eynsham	Sand and gravel	Surface mineral working	Application	Not available
36	460m NW	Downhill Farm	Sand and gravel	Surface mineral working	Valid	8/12/47
37	497m E	Manor Farm	Sand and gravel	Surface mineral working	Refused	27/8/56

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 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.

18.8 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.

18.9 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.

18.10 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.

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

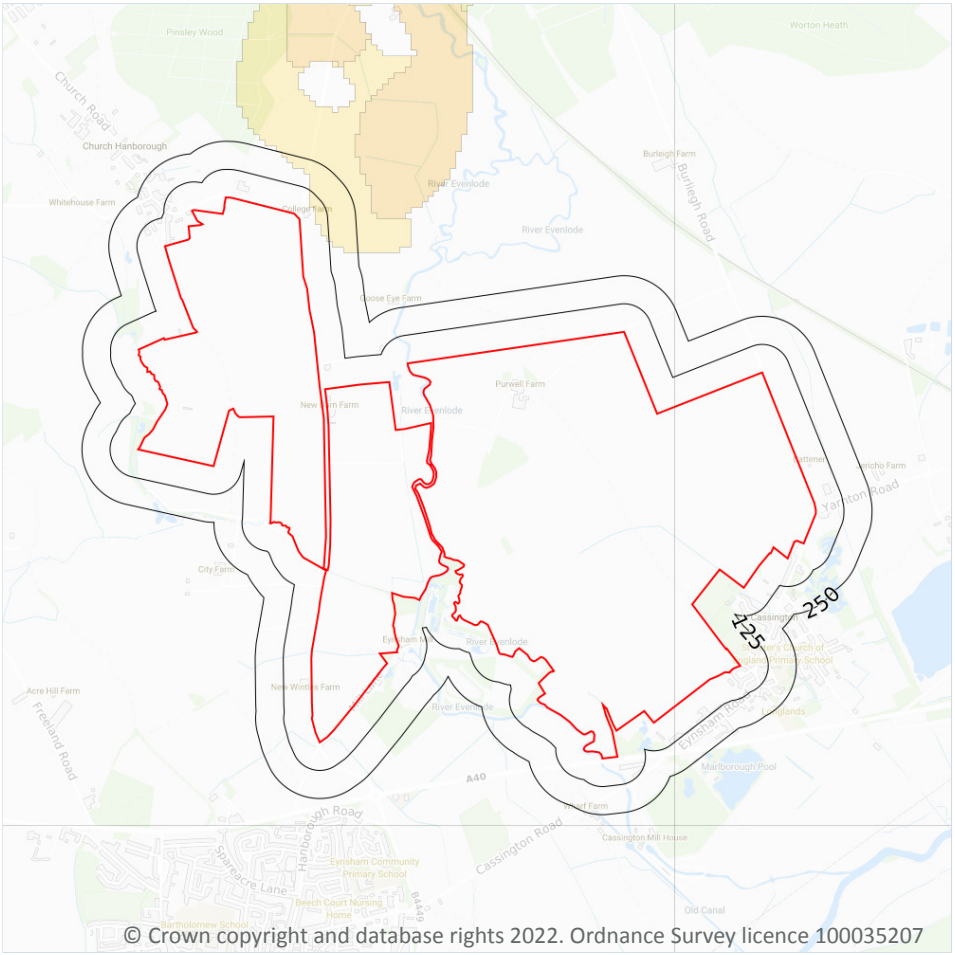
18.13 Clay mining

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 Radon



19.1 Radon

Records on site	1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 172**

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

This data is sourced from the British Geological Survey and Public Health England.

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	**156**

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 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**200 - 300 mg/kg**	**120 - 240 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**200 - 300 mg/kg**	**120 - 240 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**200 - 300 mg/kg**	**120 - 240 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**15 - 30 mg/kg**
1m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
4m SW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
6m SW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
8m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
9m S	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
10m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
22m E	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
24m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
24m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
27m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
27m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
32m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
32m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
40m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
40m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
42m E	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
45m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
47m E	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

20.2 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.

20.3 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.

21 Railway infrastructure and projects

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 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.

21.5 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.

21.6 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.

21.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 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.

21.9 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.

21.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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