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February 2023

London Luton Airport Expansion

Planning Inspectorate Scheme Ref: TR020001

Volume 5 Environmental Statement and Related Documents

5.02 Appendix 17.1 Preliminary Risk Assessment of Land Contamination - Part B

Application Document Ref: TR020001/APP/5.02

APFP Regulation: 5(2)(a)

The Planning Act 2008

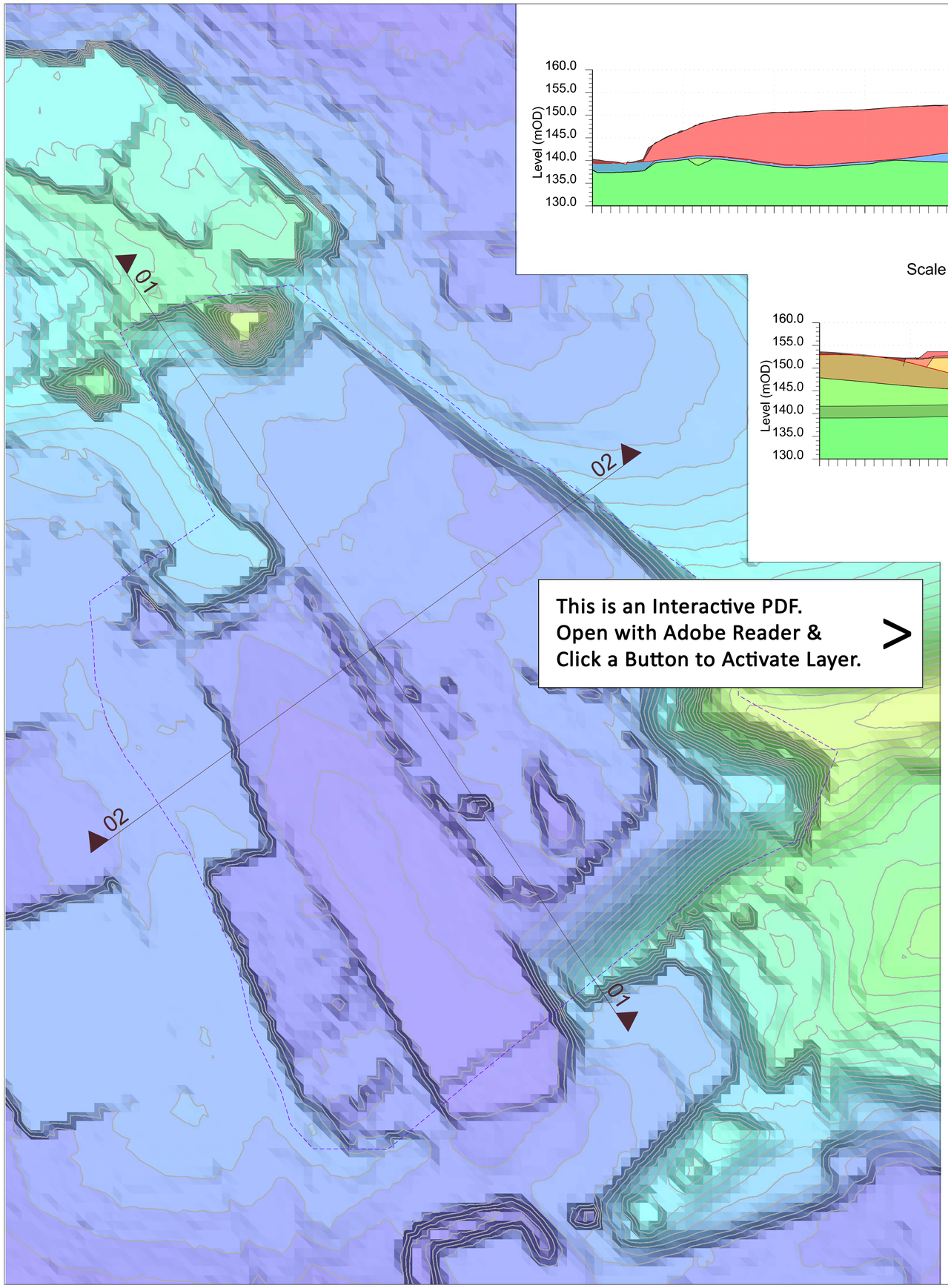
The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

London Luton Airport Expansion Development Consent Order 202x

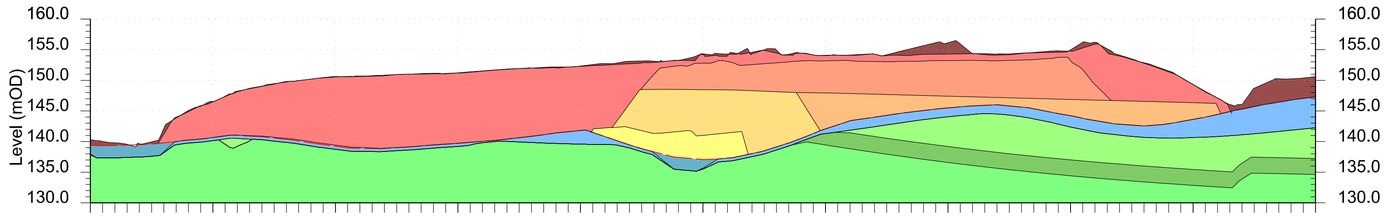
5.02 ENVIRONMENTAL STATEMENT APPENDIX 17.1 PRELIMINARY RISK ASSESSMENT OF LAND CONTAMINATION - PART B

Regulation number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR020001
Document Reference:	TR020001/APP/5.02
Author:	Luton Rising

Version	Date	Status of Version
Issue 01	February 2023	Application issue

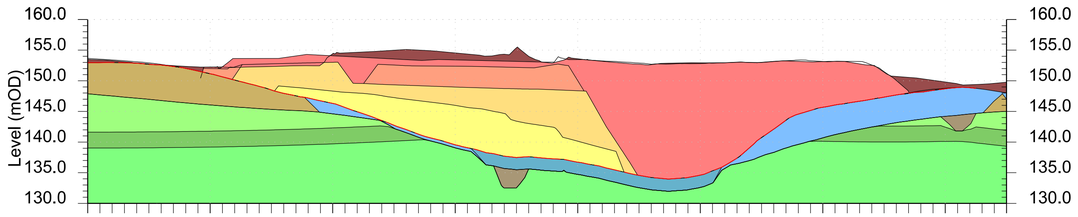


This is an Interactive PDF.
Open with Adobe Reader &
Click a Button to Activate Layer.
>



Section 01

Scale = Horizontal 1:5000 Vertical 1:1000



Section 02

Scale = Horizontal 1:5000 Vertical 1:1000

Interactive Buttons

Click to Cycle through Interpreted Filling Periods

- Before Filling
- Up to 1947
- 1947 - 1955
- 1955 - 1960
- 1960 - 1970
- 1970 - 1980
- Post 1982

Colour Coded Height Map of Historical Levels (mOD)

129.0m 130.0m 131.0m 132.0m 133.0m 134.0m 135.0m 136.0m 137.0m 138.0m 139.0m 140.0m 141.0m 142.0m 143.0m 144.0m 145.0m 146.0m 147.0m 148.0m 149.0m 150.0m 151.0m 152.0m 153.0m 154.0m 155.0m

Plan Legend:

Mapped Extent of Landfill from Historical Aerials

Section Legend:

- Base of Made Ground / Top of Natural Ground
- Made Ground Post 1980
- Dry Valley Deposits
- Head
- Clay with Flints
- Pipe
- Lewes Nodular Chalk
- Chalk Rock

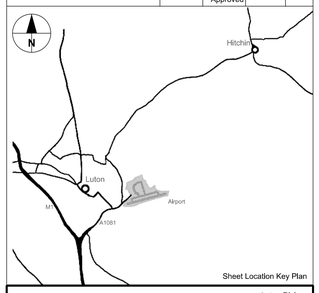
Landfill Waste Ages of Filling
- 1970 - 1980
- 1960 - 1970
- 1955 - 1960
- 1947 - 1955
- Pre 1947

All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Notes

1. Do not scale from this drawing.
2. All levels are in metres above ordnance datum unless noted otherwise.
3. These drawings are primarily intended to be viewed electronically. Some details may not be clear or visible on a printed version.
4. Strata and other levels have been drawn from interpolated 3D models of various boundaries logged in trial pits and boreholes, topographical data and data from geological maps etc. It is intended to provide a guide as to likely ground conditions and as such should be regarded as indicative. It is recommended that design decisions made on the basis of this information are confirmed by investigation.
5. This is an interactive 2D PDF. For full interactivity it is recommended that the original digital version it is opened and viewed using Adobe Reader 7.0 or higher.

Revision History	Drawn	Checked / Approved	Date	Rev.
Issue	IJ	RB / TB	30/09/22	P02
Issue	IJ	RB / TB	30/09/23	P01



Sheet Location Key Plan

Luton Rising
Hart House Business Centre
Kimpton Road, Luton, LU2 0LA
www.lutonrising.org.uk

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Drawing Title

Figure 16
Periods of Landfill Filling

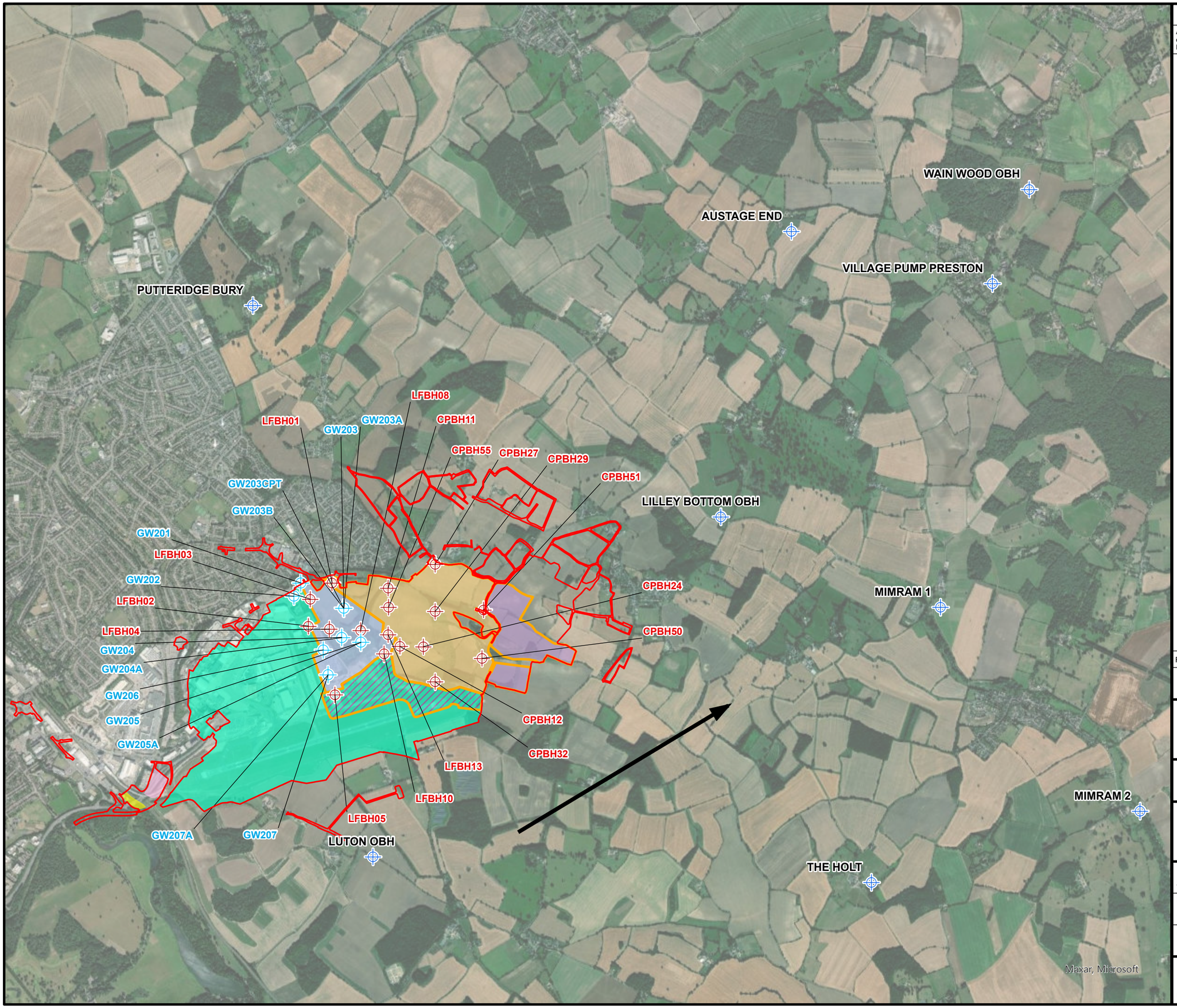
Purpose of issue	Suitability
SUITABLE FOR COORDINATION	S2

Drawn	Checked	Approved	Date	Scale	Size
IJ	RB	TB	30/09/22	1:2500	A1

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0152	P02

Project – Phase – Originator – AssetZone – Sub Asset – Type – Discp. – Number



All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend

- Order Limits
- Site Subdivisions
- Groundwater monitoring locations 2019
- Groundwater monitoring locations
- Environment Agency Observation Boreholes (OBH)

Main Area of New Development

- Existing Airport Land
- LLAOL Contractor's Compound
- Area A Former Landfill
- Area B Land West of Winch Hill Lane
- Area C Land East of Winch Hill Lane

Other Areas

- Area D Offsite Car Park North
- Area E Offsite Car Park South

- Interpreted Flow Direction

First Issue	AB	RB TB	26/09/22	P02
Revision History	Drawn	Checked Approved	Date	Rev.

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Drawing Title

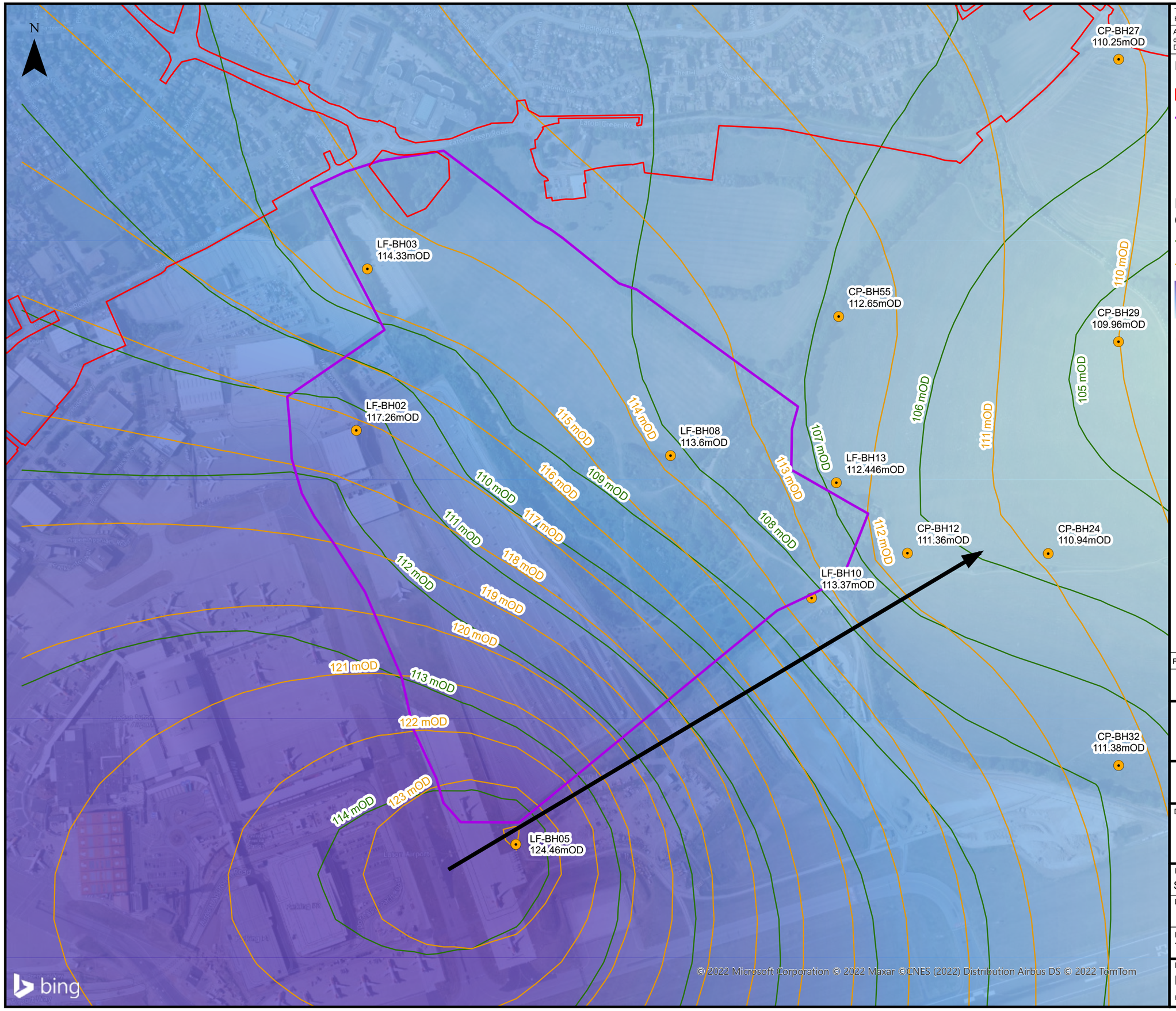
Figure 17a
Groundwater monitoring locations

Purpose of issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	26/09/22	1:30,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	APFP 5(2)(a)	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0153	P02

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number



All structure positions are indicative. The proposed works will be subject to detailed design development. The changes will be within limits of deviation specified in the Development Consent Order.

Legend

- Order Limits
- Interpreted Landfill Boundary
- Monitoring well location
  - xxmOD - maximum recorded groundwater level

Minimum and Maximum Groundwater Levels

- Minimum 1m Contours
- Maximum 1m Contour
- High : 114.46
- Low : 85.6
- Interpreted Flow Direction

First Issue	AB	RB TB	26/09/22	P02
Revision History	Drawn	Checked Approved	Date	Rev.

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Drawing Title

Figure 17b
Minimum and Maximum Groundwater Level

Purpose of issue				Suitability	
SUITABLE FOR INFORMATION				S2	
Drawn	Checked	Approved	Date	Scale	Size
AB	RB	TB	26/09/22	1:5,000	A3

DCO Application Ref.	APFP Regulation	DCO Document Ref.
TR020001	(APFP 5(2)(a))	TR020001/APP/5.03

Drawing Number	Revision
LLADCO-3C-ARP-00-00-DR-YE-0154	P02

Project - Phase - Originator - Asset/Zone - Sub Asset - Type- Discp. - Number

Appendix A – Groundsure

A1 Areas A, B, C

Groundsure Enviroinsight

Address:	**512568, 221118,**
Date:	**19 Feb 2016**
Reference:	**GS-2762878**
Client:	**Ove Arup & Partners International Ltd**

NW N NE

W E

SW S SE

Aerial Photograph Capture date:	01-Jun-2014
Grid Reference:	513038,221564
Site Size:	294.22ha

Report Reference: GS-2762878
Client Reference: Luton_245580-00

Contents Page

Overview of Findings

For further details on each dataset, please refer to each individual section in the main report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	35	4	14	33
1.2 Additional Information – Historical Tank Database	8	5	7	14
1.3 Additional Information – Historical Energy Features Database	2	11	20	31
1.4 Additional Information – Historical Petrol and Fuel Site Database	3	1	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	0	0
1.6 Potentially Infilled Land	27	0	15	20

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	2	3
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	10	0	1	12
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	1
2.3 Environment Agency Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	4	3
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency Historic Landfill Sites	1	0	0	1	0	0
3.1.3 BGS/DoE Landfill Site Survey	1	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	5	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	1	0	Not searched	Not searched
3.2.2 Environment Agency Licensed Waste Sites	5	0	0	0	1	0

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	20	10	30	Not searched
4.2 Records of Petrol and Fuel Sites	1	0	1	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	Yes
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	1	9
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	1
6.6 Source Protection Zones (within 500m of the study site)	1	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	2	0	0	0	Not searched	Not searched

	On-site	0-50m	51-250	251-500	501-1000	1000-1500

Section 6: Hydrogeology and Hydrology	0-500m					
6.9 Is there any Environment Agency information on river quality within 1500m of the study site?	No	No	No	No	No	Yes
6.10 Detailed River Network entries within 500m of the site	0	0	0	0	Not searched	Not searched
6.11 Surface water features within 250m of the study site	Yes	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding	
7.1 Are there any Enviroment Agency Zone 2 floodplains within 250m of the study site?	No
7.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site	No
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low
7.4 Are there any Flood Defences within 250m of the study site?	No
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	1	0	0	1	3	11
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	2	0	0	0	1	2
8.14 Records of Green Belt land	2	0	2	0	2	1

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?	Moderate
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Low
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Moderate
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Moderate
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Very Low
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining

10.1 Are there any coal mining areas within 75m of the study site?	No
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	Yes
10.3 Are there any brine affected areas within 75m of the study site?	No

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

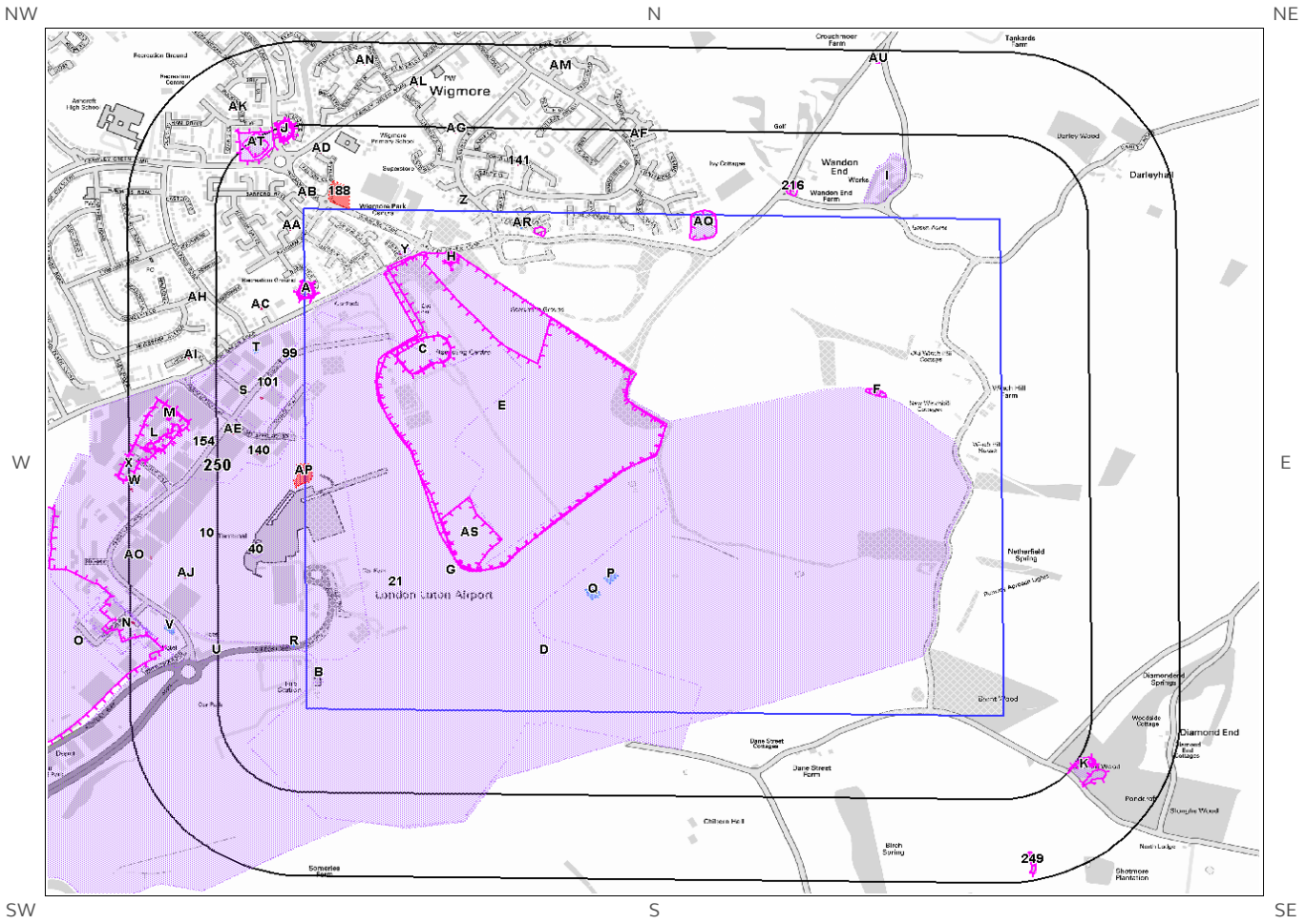
Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier “A” on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as “Not Shown”.

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use



1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 86

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Unspecified Pit	1951
2A	0	On Site	Unspecified Pit	1938
3A	0	On Site	Unspecified Pit	1922
4A	0	On Site	Unspecified Pit	1947
5A	0	On Site	Unspecified Pit	1938
6A	0	On Site	Unspecified Pit	1922
7A	0	On Site	Unspecified Pit	1938
8B	0	On Site	Fire Station	1991
9B	0	On Site	Fire Station	1985
10	0	On Site	Airport	1973
11Y	0	On Site	Police Station	1985
12C	0	On Site	Unspecified Pit	1991
13C	0	On Site	Unspecified Pit	1985
14H	0	On Site	Unspecified Pit	1951
15AS	0	On Site	Refuse Heap	1951
16D	0	On Site	Unspecified Tank	1947
17D	0	On Site	Unspecified Tank	1925
18E	0	On Site	Unspecified Workings	1991
19E	0	On Site	Unspecified Workings	1985
20E	0	On Site	Refuse Heap	1973
21	0	On Site	Airport	1951
22AQ	0	On Site	Unspecified Pit	1991
23F	0	On Site	Unspecified Quarry	1947
24F	0	On Site	Unspecified Quarry	1925
25G	0	On Site	Airport	1991
26G	0	On Site	Airport	1985
27A	0	On Site	Unspecified Pit	1938
28A	0	On Site	Unspecified Pit	1922
29H	0	On Site	Old Gravel Pit	1899
30H	0	On Site	Old Gravel Pit	1888
31H	0	On Site	Unspecified Pit	1925
32H	0	On Site	Old Gravel Pit	1899
33H	0	On Site	Old Gravel Pit	1879
34H	0	On Site	Unspecified Pit	1925

35H	0	On Site	Unspecified Pit	1947
36I	43	N	Unspecified Works	1973
37I	43	N	Unspecified Works	1985
38I	43	N	Unspecified Works	1991
39S	46	W	Engineering Works	1973
40	127	W	Unspecified Tank	1991
41AT	193	NW	Filter Bed	1973
42J	210	N	Unspecified Pit	1951
43J	211	N	Unspecified Pit	1938
44J	212	N	Unspecified Pit	1922
45J	212	N	Unspecified Pit	1947
46J	213	N	Old Chalk Pit	1900
47J	214	N	Unspecified Pit	1938
48J	214	N	Unspecified Pit	1922
49J	214	N	Unspecified Pit	1938
50J	214	N	Unspecified Pit	1922
51J	216	N	Unspecified Pit	1938
52K	245	SE	Lime Kiln	1881
53K	245	SE	Chalk Pit	1899
54K	259	SE	Unspecified Quarry	1925
55K	259	SE	Unspecified Quarry	1947
56K	259	SE	Chalk Pit	1899
57K	260	SE	Unspecified Quarry	1951
58K	303	SE	Unspecified Pit	1881
59L	328	W	Brick and Tile Works	1888
60L	328	W	Brick and Tile Works	1888
61L	329	W	Brick and Tile Works	1879
62L	329	W	Brick and Tile Works	1879
63L	349	W	Clay Pit	1888
64L	349	W	Clay Pit	1888
65L	350	W	Clay Pit	1879
66V	373	W	Unspecified Tanks	1991
67M	377	W	Brick Kiln	1888
68M	377	W	Brick Kiln	1888
69N	378	W	Infectious Diseases Hospital	1938
70N	378	W	Infectious Diseases Hospital	1938
71N	378	W	Infectious Diseases Hospital	1922
72N	378	W	Infectious Diseases Hospital	1922
73M	381	W	Brick Kiln	1879
74M	381	W	Brick Kiln	1879
75M	396	W	Lime Kiln	1888
76M	396	W	Lime Kiln	1888
77O	405	W	Sewage Farm	1922

78O	405	W	Sewage Farm	1922
79M	412	W	Lime Kiln	1879
80N	420	W	Infectious Diseases Hospital	1938
81N	425	W	Infectious Diseases Hospital	1947
82N	430	W	Infectious Diseases Hospital	1951
83N	435	W	Infectious Diseases Hospital	1922
84N	449	W	Infectious Diseases Hospital	1900
85N	449	W	Infectious Disease Hospital	1938
86AU	461	N	Unspecified Pit	1881

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary: 34

ID	Distance (m)	Direction	Use	Date
87C	0	On Site	Unspecified Tank	1990
88Q	0	On Site	Unspecified Tank	1993
89P	0	On Site	Unspecified Tank	1993
90C	0	On Site	Unspecified Tank	1993
91C	0	On Site	Unspecified Tank	1993
92P	0	On Site	Unspecified Tank	1993
93Q	0	On Site	Unspecified Tank	1993
94AR	0	On Site	Tanks	1971
95R	30	W	Septic Tanks	1968
96R	30	W	Septic Tanks	1973
97R	30	W	Tanks	1993
98R	31	W	Septic Tanks	1981
99	37	W	Tanks	1967
100S	102	W	Tanks	1967
101	103	W	Unspecified Tank	1981
102T	131	W	Unspecified Tank	1967
103T	132	W	Unspecified Tank	1981
104U	250	W	Tanks	1993
105U	250	W	Septic Tanks	1968
106U	250	W	Septic Tanks	1973
107U	251	W	Septic Tanks	1981
108V	374	W	Unspecified Tank	1993

109V	374	W	Unspecified Tank	1996
110V	374	W	Unspecified Tank	1996
111V	377	W	Tanks	1993
112W	483	W	Unspecified Tank	1979
113W	483	W	Unspecified Tank	1990
114W	484	W	Unspecified Tank	1993
115AO	485	W	Unspecified Tank	1993
116W	487	W	Unspecified Tank	1979
117W	487	W	Unspecified Tank	1990
118W	488	W	Unspecified Tank	1993
119X	499	W	Unspecified Tank	1979
120X	499	W	Unspecified Tank	1990

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary: 64

ID	Distance (m)	Direction	Use	Date
121Y	0	On Site	Electricity Substation	1993
122Y	0	On Site	Electricity Substation	1989
123Z	21	N	Electricity Substation	1993
124Z	21	N	Electricity Substation	1989
125AA	35	W	Electricity Substation	1985
126AA	36	W	Electricity Substation	1993
127AA	36	W	Electricity Substation	1993
128AA	36	W	Electricity Substation	1982
129AA	36	W	Electricity Substation	1982
130AA	36	W	Electricity Substation	1984
131AB	37	N	Gas Governor	1985
132AB	38	N	Gas Governor	1993
133AB	38	N	Gas Governor	1993
134S	119	W	Electricity Substation	1994
135AC	119	W	Electricity Substation	1993
136AC	119	W	Electricity Substation	1993
137AC	119	W	Electricity Substation	1985
138S	121	W	Electricity Substation	1987
139S	121	W	Electricity Substation	1991
140	128	W	Electricity Substation	1967
141	140	N	Electricity Substation	1989
142AD	169	N	Electricity Substation	1990
143AD	170	N	Electricity Substation	1984

144AE	202	W	Electricity Substation	1994
145AE	202	W	Electricity Substation	1967
146AE	203	W	Electricity Substation	1991
147AE	203	W	Electricity Substation	1987
148AE	203	W	Electricity Substation	1981
149AF	227	N	Electricity Substation	1993
150AF	227	N	Electricity Substation	1994
151AF	227	N	Electricity Substation	1995
152AG	234	N	Electricity Substation	1994
153AG	234	N	Electricity Substation	1996
154	284	W	Electricity Substation	1994
155AH	302	W	Electricity Substation	1993
156AH	302	W	Electricity Substation	1993
157AH	307	W	Electricity Substation	1985
158AI	322	W	Electricity Substation	1967
159AI	322	W	Electricity Substation	1987
160AI	322	W	Electricity Substation	1991
161AI	322	W	Electricity Substation	1981
162AI	322	W	Electricity Substation	1987
163AI	322	W	Electricity Substation	1994
164AJ	338	W	Electricity Substation	1981
165AJ	339	W	Electricity Substation	1996
166AJ	339	W	Electricity Substation	1996
167AJ	339	W	Electricity Substation	1993
168AJ	339	W	Electricity Substation	1973
169AK	346	NW	Electricity Substation	1990
170AK	352	NW	Electricity Substation	1984
171AK	352	NW	Electricity Substation	1979
172AL	372	N	Electricity Substation	1994
173AL	372	N	Electricity Substation	1996
174AM	428	N	Electricity Substation	1993
175AM	428	N	Electricity Substation	1994
176AM	428	N	Electricity Substation	1995
177AN	434	N	Electricity Substation	1994
178AN	434	N	Electricity Substation	1996
179AO	436	W	Electricity Substation	1993
180N	487	W	Electricity Substation	1976
181N	487	W	Electricity Substation	1993
182W	488	W	Electricity Substation	1990
183W	488	W	Electricity Substation	1979
184W	489	W	Electricity Substation	1993

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 4

ID	Distance (m)	Direction	Use	Date
185AP	0	On Site	Filling Station	1987
186AP	0	On Site	Filling Station	1991
187AP	0	On Site	Filling Station	1981
188	1	N	Filling Station	1984

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 0

Database searched and no data found.

1.6 Potentially Infilled Land

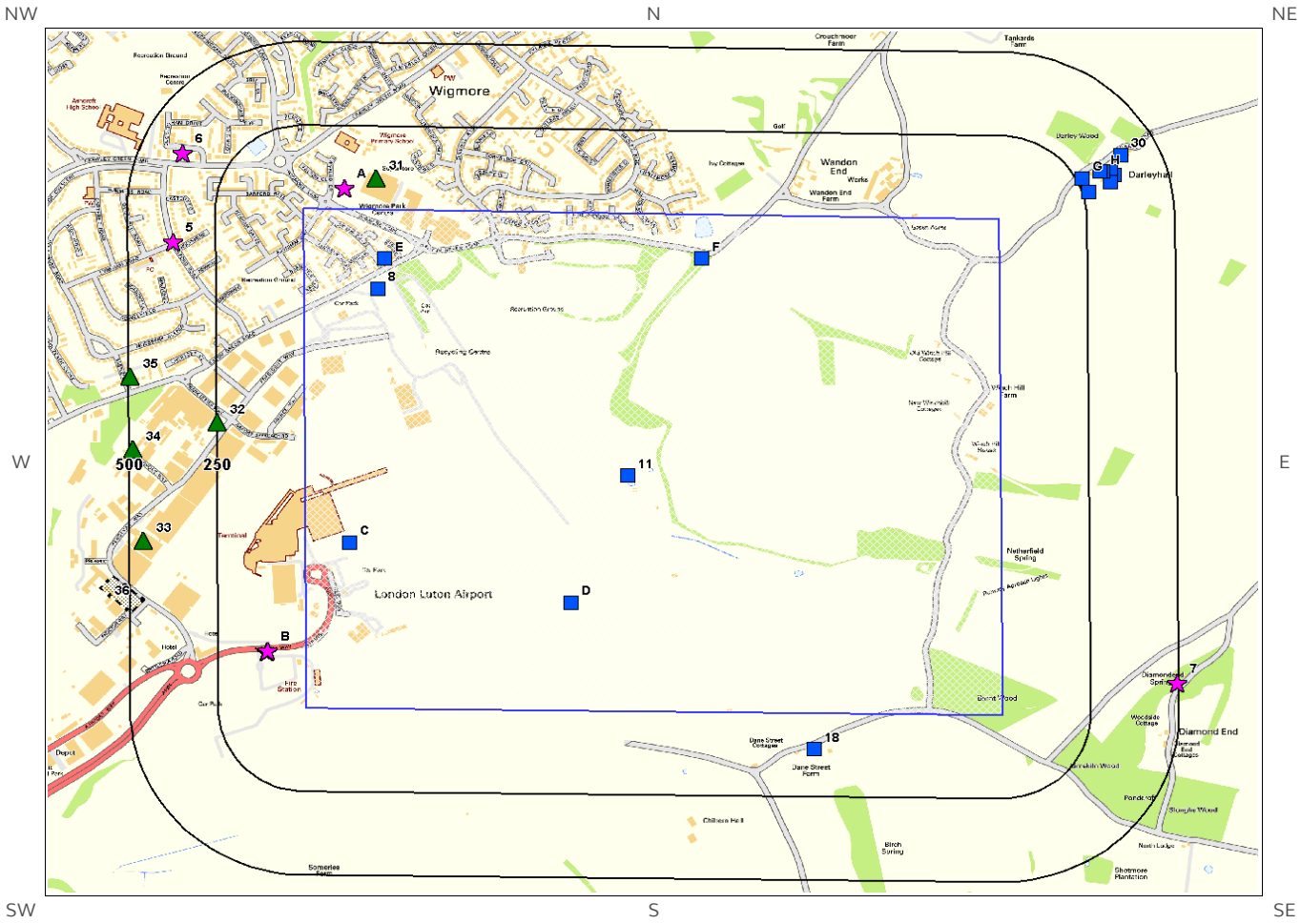
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 62

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
189H	0	On Site	Old Gravel Pit	1899
190H	0	On Site	Old Gravel Pit	1879
191H	0	On Site	Unspecified Pit	1925
192H	0	On Site	Unspecified Pit	1947
193F	0	On Site	Unspecified Quarry	1947
194F	0	On Site	Unspecified Quarry	1925
195H	0	On Site	Unspecified Pit	1925
196A	0	On Site	Unspecified Pit	1947
197A	0	On Site	Unspecified Pit	1922
198A	0	On Site	Unspecified Pit	1938
199AQ	0	On Site	Unspecified Pit	1991
200AR	0	On Site	Pond	1879
201A	0	On Site	Unspecified Pit	1938
202A	0	On Site	Unspecified Pit	1922
203A	0	On Site	Unspecified Pit	1922
204H	0	On Site	Old Gravel Pit	1899
205H	0	On Site	Unspecified Pit	1951
206AS	0	On Site	Refuse Heap	1951
207C	0	On Site	Unspecified Pit	1985

208C	0	On Site	Unspecified Pit	1991
209E	0	On Site	Refuse Heap	1973
210E	0	On Site	Unspecified Workings	1991
211E	0	On Site	Unspecified Workings	1985
212A	0	On Site	Unspecified Pit	1938
213A	0	On Site	Unspecified Pit	1951
214A	0	On Site	Unspecified Pit	1938
215H	0	On Site	Old Gravel Pit	1888
216	61	N	Pond	1899
217AT	193	NW	Filter Bed	1973
218AT	203	NW	Pond	1985
219AT	203	NW	Pond	1991
220J	210	N	Unspecified Pit	1951
221J	211	N	Unspecified Pit	1938
222J	212	N	Unspecified Pit	1922
223J	212	N	Unspecified Pit	1947
224J	213	N	Old Chalk Pit	1900
225J	214	N	Unspecified Pit	1938
226J	214	N	Unspecified Pit	1922
227J	214	N	Unspecified Pit	1938
228J	214	N	Unspecified Pit	1922
229J	216	N	Unspecified Pit	1938
230K	245	SE	Chalk Pit	1899
231K	259	SE	Unspecified Quarry	1925
232K	259	SE	Chalk Pit	1899
233K	259	SE	Unspecified Quarry	1947
234K	260	SE	Unspecified Quarry	1951
235K	303	SE	Unspecified Pit	1881
236L	328	W	Brick and Tile Works	1888
237L	328	W	Brick and Tile Works	1888
238L	329	W	Brick and Tile Works	1879
239L	329	W	Brick and Tile Works	1879
240L	349	W	Clay Pit	1888
241L	349	W	Clay Pit	1888
242L	350	W	Clay Pit	1879
243M	377	W	Brick Kiln	1888
244M	377	W	Brick Kiln	1888
245M	381	W	Brick Kiln	1879
246M	381	W	Brick Kiln	1879
247O	405	W	Sewage Farm	1922
248O	405	W	Sewage Farm	1922
249	415	S	Pond	1881
250AU	461	N	Unspecified Pit	1881

2. Environmental Permits, Incidents and Registers Map



- Site Outline
- Search Buffers (m) — 250 — 500
- Recorded Pollution Incident
- Dangerous Substances (List 1)
- Dangerous Substances (List 2)
- Water Industry Referrals
- Licenced Discharge Consents
- Red List Discharge Consents
- RAS 3 & 4 Authorisations
- Part A(1) Authorised Processes and Historic IPC Authorisations
- Part A(2) and Part B Authorised Processes
- COMAH / NIHHS Sites
- Sites Determined as Contaminated Land
- Hazardous Substance Consents and Enforcements

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

5

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
31	88	N	512075 222435	Address: Asda, Wigmore Lane, Stopsley, Luton, LU2 9TA Process: P02 Service Stations (1.2) Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices
32	249	W	511625 221704	Address: GKN Aerospace, Airport Way, LU2 9LU Process: P07 Coating (6.4) Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices
33	462	W	511414 221350	Address: Aerospace Composites, Luton Airport, LU2 9PQ Process: Coating & Enamelling Process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices
34	490	W	511385 221625	Address: Airline Services, Provost Way, Luton, LU2 9PB Process: P10 Dry Cleaners Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices
35	496	W	511378 221843	Address: Kez's Dry Cleaners, 13 Eaton Green Road, LU2 9HE Process: P10 Dry Cleaners Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of Enforcement: No Enforcement Notices Comment: No Enforcement Notices

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
8	0	On Site	512080 222110	Address: LUTON AIRPORT NORTHERN SOAKAWAY, PRESIDENT WAY, LONDON LUTON AIRPORT, LUTON, BEDFORDSHIRE, LU2 9PD Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRRP3221GC Permit Version: 1	Receiving Water: Status: NEW ISSUED UNDER EPR 2010 Issue date: 11/04/2012 Effective Date: 11-Apr-2012 Revocation Date: -
9C	0	On Site	512000 221350	Address: THE PAY STATION AT CAR PARK A, LOND, THE PAY STATION AT CAR PARK A, L, ONDON LUTON AIRPORT, LUTON, BEDF, ORDSHIRE, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1315 Permit Version: 1	Receiving Water: Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 04/03/1994 Effective Date: 04-Mar-1994 Revocation Date: 18/01/2006
10C	0	On Site	512000 221350	Address: THE PAY STATION AT CAR PARK A, LOND, THE PAY STATION AT CAR PARK A, L, ONDON LUTON AIRPORT, LUTON, BEDF, ORDSHIRE, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1315 Permit Version: 2	Receiving Water: Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 19/01/2006 Effective Date: 19-Jan-2006 Revocation Date: 19/01/2018
11	0	On Site	512790 221550	Address: LONDON LUTON AIRPORT OPERATIONS LTD, NAVIGATION HOUSE, LONDON LUTON AIRPORT, LUTON, -, LU2 9LY Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CANM.0448 Permit Version: 1	Receiving Water: Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/09/2002 Effective Date: 27-Sep-2002 Revocation Date: -
12D	0	On Site	512630 221170	Address: LUTON AIRPORT, LUTON, BEDFORDSHIRE, LUTON AIRPORT, LUTON, BEDFORDSHI, RE, -, - Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: CNTM.0180 Permit Version: 2	Receiving Water: Status: VARIED UNDER EPR 2010 Issue date: 31/05/2013 Effective Date: 31-May-2013 Revocation Date: -
13D	0	On Site	512630 221170	Address: LUTON AIRPORT, LUTON, BEDFORDSHIRE, LUTON AIRPORT, LUTON, BEDFORDSHI, RE, -, - Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: CNTM.0180 Permit Version: 1	Receiving Water: Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/04/1992 Effective Date: 22-Apr-1992 Revocation Date: 30/05/2013
14E	0	On Site	512100 222200	Address: Wigmore Bottom, Luton, Wigmore Bottom, Luton, -, - Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.2256 Permit Version: 1	Receiving Water: Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02-Nov-1989 Revocation Date: 02/09/2010

ID	Distance (m)	Direction	NGR	Details	
15E	0	On Site	512100 222200	Address: Wigmore Bottom, Luton, Wigmore Bottom, Luton, -, - Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.2256 Permit Version: 2	Receiving Water: Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03-Sep-2010 Revocation Date: 19/08/2014
16F	0	On Site	513000 222200	Address: Wanden End, Luton, Wanden End, Luton, -, -, LU2 8SN Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.2175 Permit Version: 2	Receiving Water: Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03-Sep-2010 Revocation Date: -
17F	0	On Site	513000 222200	Address: Wanden End, Luton, Wanden End, Luton, -, -, LU2 8SN Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.2175 Permit Version: 1	Receiving Water: Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02-Nov-1989 Revocation Date: 02/09/2010
18	109	S	513320 220730	Address: DANE STREET FARMHOUSE WEST, DANE ST, DANE STREET FARMHOUSE WEST, DANE, STREET, PETERS GREEN, LUTON, BE, DFORDSHIRE, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1324 Permit Version: 1	Receiving Water: Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 04/03/1994 Effective Date: 04-Mar-1994 Revocation Date: -
19G	265	NE	514080 222440	Address: THE FOX, DARLEYHALL, LUTON, BEDS, THE FOX, DARLEYHALL, LUTON, BEDS, -, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0128 Permit Version: 2	Receiving Water: Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21-Dec-2012 Revocation Date: -
20G	265	NE	514080 222440	Address: THE FOX, DARLEYHALL, LUTON, BEDS, THE FOX, DARLEYHALL, LUTON, BEDS, -, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0128 Permit Version: 1	Receiving Water: Status: TRANSFERRED FROM WRA 1963 Issue date: 09/02/1968 Effective Date: 09-Feb-1968 Revocation Date: 20/12/2012
21G	269	E	514100 222400	Address: FIELDVIEW, DARLEYHALL, LUTON, BEDS, FIELDVIEW, DARLEYHALL, LUTON, BE, DS, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0242 Permit Version: 1	Receiving Water: Status: TRANSFERRED FROM WRA 1963 Issue date: 09/10/1970 Effective Date: 09-Oct-1970 Revocation Date: -
22H	319	NE	514130 222460	Address: SUN COTTAGE, DARLEYHALL, LUTON, BED, SUN COTTAGE, DARLEYHALL, LUTON,, BEDS, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0244 Permit Version: 1	Receiving Water: Status: TRANSFERRED FROM WRA 1963 Issue date: 09/10/1970 Effective Date: 09-Oct-1970 Revocation Date: -

ID	Distance (m)	Direction	NGR	Details	
23H	328	NE	514140 222460	Address: PRIMROSE HILL, DARLEYHALL, LUTON, B, PRIMROSE HILL, DARLEYHALL, LUTON, , BEDS, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0245 Permit Version: 1	Receiving Water: Status: TRANSFERRED FROM WRA 1963 Issue date: 09/10/1970 Effective Date: 09-Oct-1970 Revocation Date: 20/12/2012
24H	328	NE	514140 222460	Address: PRIMROSE HILL, DARLEYHALL, LUTON, B, PRIMROSE HILL, DARLEYHALL, LUTON, , BEDS, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0245 Permit Version: 2	Receiving Water: Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21-Dec-2012 Revocation Date: -
25H	335	E	514160 222430	Address: WAGGON COTTAGE, DARLEY HALL, LUTON,, WAGGON COTTAGE, DARLEY HALL, LUT, ON, BEDS, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0131 Permit Version: 1	Receiving Water: Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 08/03/1968 Effective Date: 08-Mar-1968 Revocation Date: 01/10/1996
26H	346	NE	514160 222460	Address: PRIMROSE HILL, DARLEYHALL, LUTON, B, PRIMROSE HILL, DARLEYHALL, LUTON, , BEDS, -, - Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCU.0117 Permit Version: 1	Receiving Water: Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 08/12/1967 Effective Date: 08-Dec-1967 Revocation Date: 01/10/1996
27H	353	E	514172 222450	Address: 4,5 AND 6 DARLEY HALL, LUTON, LUTON, BEDFORDSHIRE, LU2 8PP, LU2 8PP Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.1139 Permit Version: 1	Receiving Water: Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/07/2006 Effective Date: 25-Jul-2006 Revocation Date: -
28H	353	E	514172 222450	Address: 4,5 AND 6 DARLEY HALL, LUTON, LUTON, BEDFORDSHIRE, LU2 8PP, LU2 8PP Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.1139 Permit Version: 1	Receiving Water: Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/07/2006 Effective Date: 25-Jul-2006 Revocation Date: -
29H	353	E	514172 222450	Address: 4,5 AND 6 DARLEY HALL, LUTON, LUTON, BEDFORDSHIRE, LU2 8PP, LU2 8PP Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CANM.1139 Permit Version: 1	Receiving Water: Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/07/2006 Effective Date: 25-Jul-2006 Revocation Date: -
30	395	NE	514190 222510	Address: OAKWOOD, DARLEY HALL, LUTON, BEDS, ., LU2 8PP Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CATM.3579 Permit Version: 1	Receiving Water: Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/07/1999 Effective Date: 30-Apr-1999 Revocation Date: -

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site: 1

The following COMAH & NIHHS Authorisation records provided by the Health and Safety Executive are represented as polygons or buffered points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	Company	Address	Operational Status	Tier
36	460	W	Shell Uk Oil Products Ltd	Shell Uk Oil Products Ltd, Luton Airport, Terminal Building, Percival Way, Luton, Bedfordshire, LU2 9LU	Current COMAH Site	COMAH Lower Tier Operator

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2.3 Environment Agency Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

7

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
1A	62	N	511984 222410	Incident Date: 22-Aug-2002 Incident Identification: 102538 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2A	62	N	511984 222410	Incident Date: 22-Aug-2002 Incident Identification: 102538 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Distance (m)	Direction	NGR	Details	
3B	110	W	511768 221024	Incident Date: 16-Jan-2002 Incident Identification: 52824 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4B	114	W	511764 221022	Incident Date: 13-Oct-2001 Incident Identification: 36419 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5	373	W	511499 222251	Incident Date: 24-Feb-2014 Incident Identification: 1211679 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
6	385	NW	511524 222517	Incident Date: 22-Feb-2014 Incident Identification: 1211112 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
7	494	E	514348 220929	Incident Date: 03-Jun-2002 Incident Identification: 82690 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

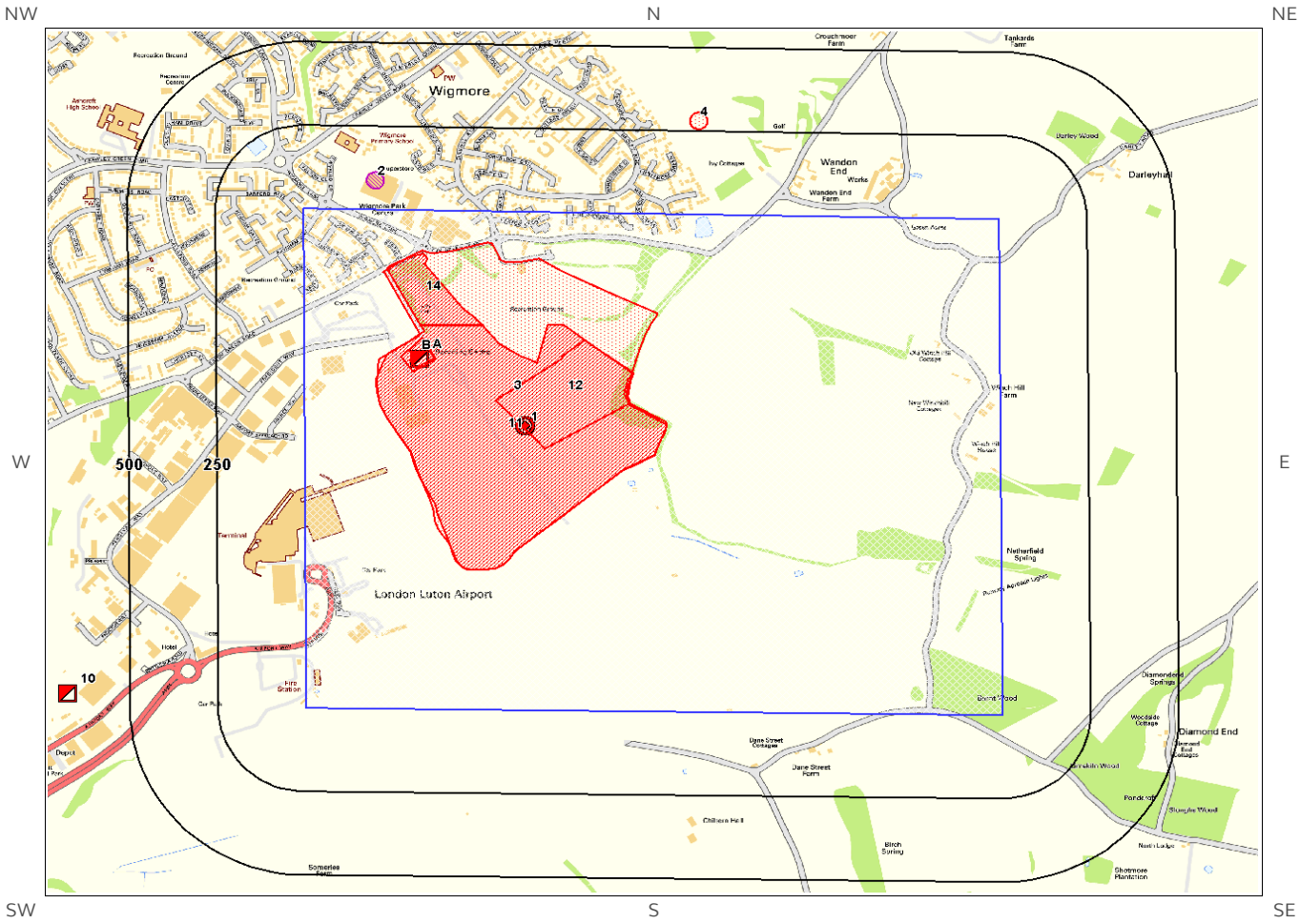
Database searched and no data found.

2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site? 0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



Site Outline

250 500 Search Buffers (m)

E.A. Active Landfill

E.A. Historic Landfill

BGS / DoE Survey Landfill

Historic and Planned Waste Sites

E.A. Licensed Waste Site

Local Authority/Historical Mapping Landfill Records

3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency historic landfill sites within 1500m of the study site:

2

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
3	0	On Site	512400 221700	Site Address: Luton Airport, Eaton Green Road, Luton, Bedfordshire Waste Licence: - Site Reference: 7/1976, 32/1993 Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Luton County Borough Council First Recorded: 01-Jan-1937 Last Recorded: 01-Jan-1978
4	255	N	512900 222600	Site Address: Wandon End Farm, Luton, Bedfordshire Waste Licence: Yes Site Reference: 91/261 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 05-Aug-1991 Licence Surrendered: 31-Jan-1993 Licence Hold Address: - Operator: - First Recorded: 05-Aug-1991 Last Recorded: 31-Jan-1993

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

1

The following landfill records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
1	0	On Site	512500.0 221700.0	Address: Town Refuse Tip, Eaton Grn Rd, Luton, Beds BGS Number: 1251.0	Risk: Risk to major aquifer Waste Type: N/A

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

5

The following landfill records are represented as points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
11	0	On Site	512489 221635	Refuse Tip	1971 mapping	Polygon
12	0	On Site	512612 221794	Landfill Site	1990 mapping	Polygon
13B	0	On Site	512205 221918	Public Refuse Tip	1990 mapping	Polygon
14	0	On Site	512243 222107	Refuse Tip	1971 mapping	Polygon
15B	0	On Site	512196 221912	Public Refuse Tip	1993 mapping	Polygon

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

1

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details		
2	63	N	512074 222435	Type of Site: Recycling Area Site Address: Asda Stores Ltd,Wigmore Lane, Wigmore Park Centre, LUTON, Bedfordshire, LU2 9TA	Planning Application Reference: 09/00213/FUL Date: 02/09/2009	Further Details: Scheme comprises installation of 2 security barriers and relocation of recycling area and trolley bay. An application (ref: 09/00213/FUL) for detailed planning permission was granted by Luton B.C. A detailed planning application has been granted. Data Source: Historic Planning Application Data Type: Point

3.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site:

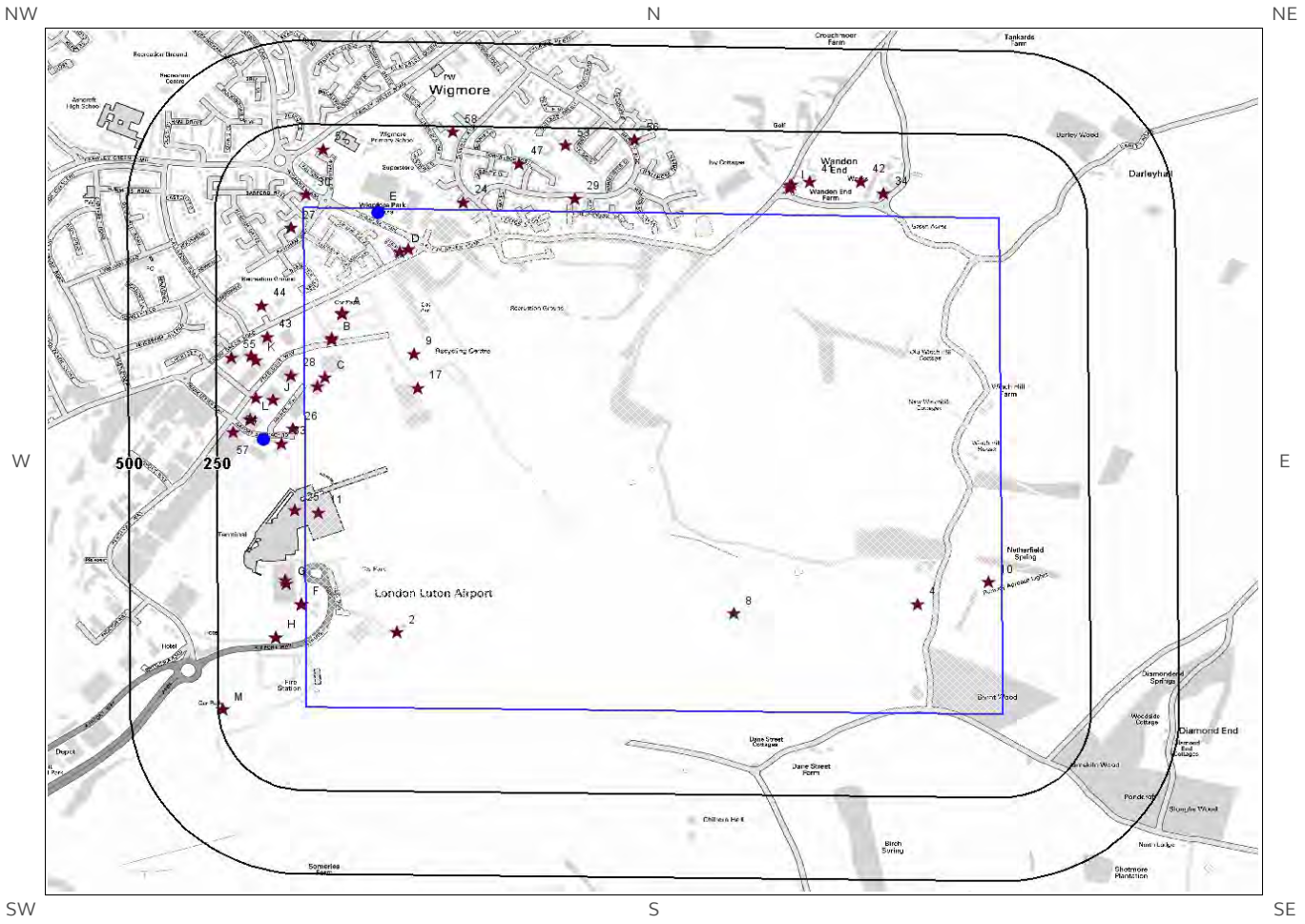
6

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
5A	0	On Site	512200 221900	Site Address: Luton Tidy Tip, CA Site, Eaton Green Road, Luton, Beds, LU2 9JB Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: - Operator: Waste Recycling Limited Waste Management licence No: 80489 Annual Tonnage: 0.0	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified: 31/05/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: "Luton Tidy Tip, Eaton Green Road Ca Site" Correspondence Address: -, Waste Recycling Group, Sutton Courtenay Lanfill Site, Appleford Sidings, Abingdon, Oxon, OX14 4PW
6A	0	On Site	512200 221900	Site Address: Luton Tidy Tip, CA Site, Eaton Green Road, Luton, Beds, LU2 9JB Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: - Operator: Waste Recycling Ltd Waste Management licence No: 80489 Annual Tonnage: 0.0	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified: 31/05/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: "Luton Tidy Tip, Eaton Green Road Ca Site" Correspondence Address: -, Waste Recycling Group, Sutton Courtenay Lanfill Site, Appleford Sidings, Abingdon, Oxon, OX14 4PW
7A	0	On Site	512200 221900	Site Address: Land/ Premises At, Eaton Green Road, Luton, Bedfordshire, LU2 9NW Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: EA/EPR/XP3597NS/V002 Operator: Waste Recycling Ltd Waste Management licence No: 80489 Annual Tonnage: 24999.0	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified: 07/12/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Eaton Green Civic Amenity Site Correspondence Address: -, -
8A	0	On Site	512200 221900	Site Address: Luton Tidy Tip, CA Site, Eaton Green Road, Luton, Beds, LU2 9JB Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LUT006 EPR reference: - Operator: Luton Borough Council Waste Management licence No: 80489 Annual Tonnage: 0.0	Issue Date: 01/04/1993 Effective Date: 31/05/2001 Modified: 31/05/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: "Luton Tidy Tip, Eaton Green Road Ca Site" Correspondence Address: Mr R Taafe T/A C A Management Services, Waste Management Div, Central Depot, Kingsway, Luton, Beds, LU4 8AU

ID	Distance (m)	Direction	NGR	Details	
9A	0	On Site	512200 221900	Site Address: Eaton Green H W R C, Eaton Green Road, Luton, Bedfordshire, LU2 9HB Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: EA/EPR/XP3597NS/V004 Operator: F C C Recycling (U K) Limited Waste Management licence No: 80489 Annual Tonnage: 24999.0	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified: 27/09/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Eaton Green Household Waste Recycling Centre Correspondence Address: -, -
10	679	W	511200 220900	Site Address: Andy Ronald, Central Services, Kimpton Road, Luton, Bedfordshire, LU2 0TY Type: In-House Storage Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VAU001 EPR reference: EA/EPR/LP3197NX/V003 Operator: Vauxhall Motors Ltd Waste Management licence No: 80459 Annual Tonnage: 75000.0	Issue Date: 22/04/1981 Effective Date: - Modified: 30/06/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC Site Name: Vauxhall Airport Way (Kimpton Lane) Correspondence Address: -, -

4. Current Land Use Map



Site Outline

Search Buffers (m)
250
500

Current Industrial Sites

Petrol & Fuel Sites

Electricity Transmission Cables

Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 60

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1D	0	On Site	Electricity Sub Station	512142 222220	LU2	Electrical Features	Infrastructure and Facilities
2	0	On Site	Electricity Sub Station	512135 221079	LU2	Electrical Features	Infrastructure and Facilities
3A	0	On Site	Hertz Car Hire	511980 222033	Reception Building, 250 Presidentary Way, London Luton Airport, Luton, LU2 9LY	Vehicle Hire and Rental	Hire Services
4	0	On Site	Air Light Beacons	513613 221164	LU2	Aeronautical Features	Air
5B	0	On Site	Electricity Sub Station	511951 221957	LU2	Electrical Features	Infrastructure and Facilities
6C	0	On Site	Electricity Sub Station	511930 221842	LU2	Electrical Features	Infrastructure and Facilities
7A	0	On Site	National Car Rental	511980 222037	Building 250, President Way, London Luton Airport, Luton, LU2 9LY	Vehicle Hire and Rental	Hire Services
8	0	On Site	Wind Sock	513091 221136	LU2	Aeronautical Features	Air
9	0	On Site	Refuse Tip	512184 221913	LU2	Refuse Disposal Facilities	Infrastructure and Facilities
10	0	On Site	Air Light Beacons	513814 221230	LU2	Aeronautical Features	Air
11	0	On Site	London Luton Airport	511913 221438	LU2	Airports and Landing Strips	Air
12A	0	On Site	Enterprise Rent-A-Car	511980 222034	London Luton Airport External, London Luton Airport External, Spittlesea Road, Luton, Bedfordshire, Lu2 9nz, LU2	Vehicle Hire and Rental	Hire Services
13B	0	On Site	Electricity Sub Station	511949 221962	LU2	Electrical Features	Infrastructure and Facilities
14A	0	On Site	Alamo Rent A Car	511978 222032	President Way, Luton, LU2 9NL	Vehicle Hire and Rental	Hire Services
15A	0	On Site	Europcar	511978 222032	President Way, Luton, LU2 9NL	Vehicle Hire and Rental	Hire Services
16C	0	On Site	Harrods Aviation	511908 221816	Hangar 129, President Way, Luton, LU2 9NW	Aeroplanes	Industrial Products
17	0	On Site	Electricity Sub Station	512195 221811	LU2	Electrical Features	Infrastructure and Facilities

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
18D	0	On Site	Pumping Station	512166 222226	LU2	Water Pumping Stations	Industrial Features
19E	0	N	Asda Luton Automat	512080 222347	Wigmore Lane, Wigmore, Luton, Bedfordshire, LU2 8DJ	Petrol and Fuel Stations	Road and Rail
20E	0	N	Asda Petrol	512082 222347	Wigmore Hall Shopping Centre, Wigmore Lane, Luton, LU2 9TA	Petrol and Fuel Stations	Road and Rail
21F	14	W	Europe Car	511863 221164	Navigation House, Airport Way, London Luton Airport, Luton, LU2 9LY	Vehicle Hire and Rental	Hire Services
22F	14	W	London Luton Airport	511863 221164	Navigation House, Airport Way, London Luton Airport, Luton, LU2 9LY	Vehicle Hire and Rental	Hire Services
23F	14	W	London Luton Airport Operations Ltd	511863 221164	Navigation House, Airport Way, London Luton Airport, Luton, LU2 9LY	Airports and Landing Strips	Air
24	24	N	Electricity Sub Station	512324 222367	LU2	Electrical Features	Infrastructure and Facilities
25	31	W	Avis Rent A Car	511845 221446	London Luton Airport External, London Luton Airport External, Spittlesea Road, Luton, Bedfordshire, Lu2 9nz, LU2	Vehicle Hire and Rental	Hire Services
26	36	W	Electricity Sub Station	511839 221690	LU2	Electrical Features	Infrastructure and Facilities
27	36	W	Electricity Sub Station	511835 222291	LU2	Electrical Features	Infrastructure and Facilities
28	39	W	Reed Aviation Ltd	511834 221849	Gate 8, Prince Way, Luton, LU2 9PD	Airlines and Airline Services	Transport, Storage and Delivery
29	41	N	Electricity Sub Station	512639 222379	LU2	Electrical Features	Infrastructure and Facilities
30	41	N	Gas Governor Station	511877 222391	LU2	Gas Features	Infrastructure and Facilities
31G	56	W	Budget Rent A Car	511821 221224	London Luton Airport External, London Luton Airport External, Spittlesea Road, Luton, Bedfordshire, Lu2 9nz, LU2	Vehicle Hire and Rental	Hire Services
32G	59	W	Alamo Rent A Car	511818 221236	London Luton Airport External, London Luton Airport External, Spittlesea Road, Luton, Bedfordshire, Lu2 9nz, LU2	Vehicle Hire and Rental	Hire Services
33	66	W	Landmark Aviation	511808 221644	Britannia House 135, Frank Lester Way, London Luton Airport, Luton, LU2 9NQ	Aircraft Charters	Contract Services
34	69	N	A T Oliver & Sons Ltd	513516 222393	Wandon End, Luton, LU2 8NY	Agricultural Machinery and Goods	Industrial Products
35I	82	N	Silo	513249 222410	LU2	Hoppers and Silos	Farming
36H	87	W	Pylon	511791 221065	LU2	Electrical Features	Infrastructure and Facilities
37H	87	W	Mast	511790 221065	LU2	Telecommunications Features	Infrastructure and Facilities

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
38I	89	N	Silo	513249 222417	LU2	Hoppers and Silos	Farming
39J	90	W	Dot Group International	511784 221774	Unit 2, Prince Way, Luton, LU2 9PD	Office and Shop Equipment	Industrial Products
40I	92	N	Silo	513254 222420	LU2	Hoppers and Silos	Farming
41	102	N	Pump	513307 222429	LU2	Water Pumping Stations	Industrial Features
42	105	N	Works	513450 222430	LU2	Unspecified Works Or Factories	Industrial Features
43	105	W	Z F Electronics UK Ltd	511767 221965	Unit L Airport Executive Park, President Way, Luton, LU2 9NY	Electrical Components	Industrial Products
44	123	W	Electricity Sub Station	511750 222059	LU2	Electrical Features	Infrastructure and Facilities
45K	138	W	Honeywell Aerospace	511735 221894	65, President Way, Luton, LU2 9NL	Aviation Engineers	Engineering Services
46J	138	W	Electricity Sub Station	511736 221782	LU2	Electrical Features	Infrastructure and Facilities
47	143	N	Electricity Sub Station	512482 222483	LU2	Electrical Features	Infrastructure and Facilities
48K	153	W	Air Cargo & Container Services	511720 221907	Unit H, President Way, Luton, LU2 9NL	Distribution and Haulage	Transport, Storage and Delivery
49L	156	W	A E M	511718 221717	De Havilland House, President Way, Luton, LU2 9NL	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
50L	156	W	Kensal Handling System Ltd	511718 221717	Kensal House, President Way, Luton, LU2 9NR	Lifting and Handling Equipment	Industrial Products
51L	156	W	First Class Cars	511718 221717	Kensal House, President Way, Luton, LU2 9NL	Vehicle Hire and Rental	Hire Services
52	177	N	Electricity Sub Station	511926 222526	LU2	Electrical Features	Infrastructure and Facilities
53	200	N	Southeast Executive Chauffeur Services	512612 222537	41, Emmer Green, Luton, LU2 8UH	Vehicle Hire and Rental	Hire Services
54	205	W	Electricity Sub Station	511670 221679	LU2	Electrical Features	Infrastructure and Facilities
55	209	W	Moog Fernau Ltd	511664 221902	Unit C Airport Executive Park, President Way, Luton, LU2 9NY	Aviation Engineers	Engineering Services
56	219	N	Electricity Sub Station	512810 222554	LU2	Electrical Features	Infrastructure and Facilities
57	230	W	Pylon	511645 221587	LU2	Electrical Features	Infrastructure and Facilities
58	235	N	Electricity Sub Station	512293 222578	LU2	Electrical Features	Infrastructure and Facilities
59M	237	W	Luton Minibus	511642 220848	Long Stay South Car Park, Airport Way, London Luton Airport, Luton, LU2 9QT	Vehicle Hire and Rental	Hire Services

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
60M	237	W	London Airport	511641 220848	Long Stay South Car Park, Airport Way, London Luton Airport, Luton, LU2 9QT	Vehicle Hire and Rental	Hire Services

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 2

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
61E	0	On Site	512081 222334	Asda	Asda Luton Automat, Wigmore Lane, Wigmore Lane, Wigmore, Luton, Bedfordshire, LU2 9TA	No	Open
62L	118	W	511757 221656	Obsolete	Q8 Luton, Airport Approach Road, Airport Approach Road, Luton, Bedfordshire, LU2 9PF	Not Applicable	Obsolete

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site: 0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

5.2 Superficial Ground and Drift Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LOFT	LOWESTOFT FORMATION	DIAMICTON
CWF	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

5.3 Bedrock and Solid Geology

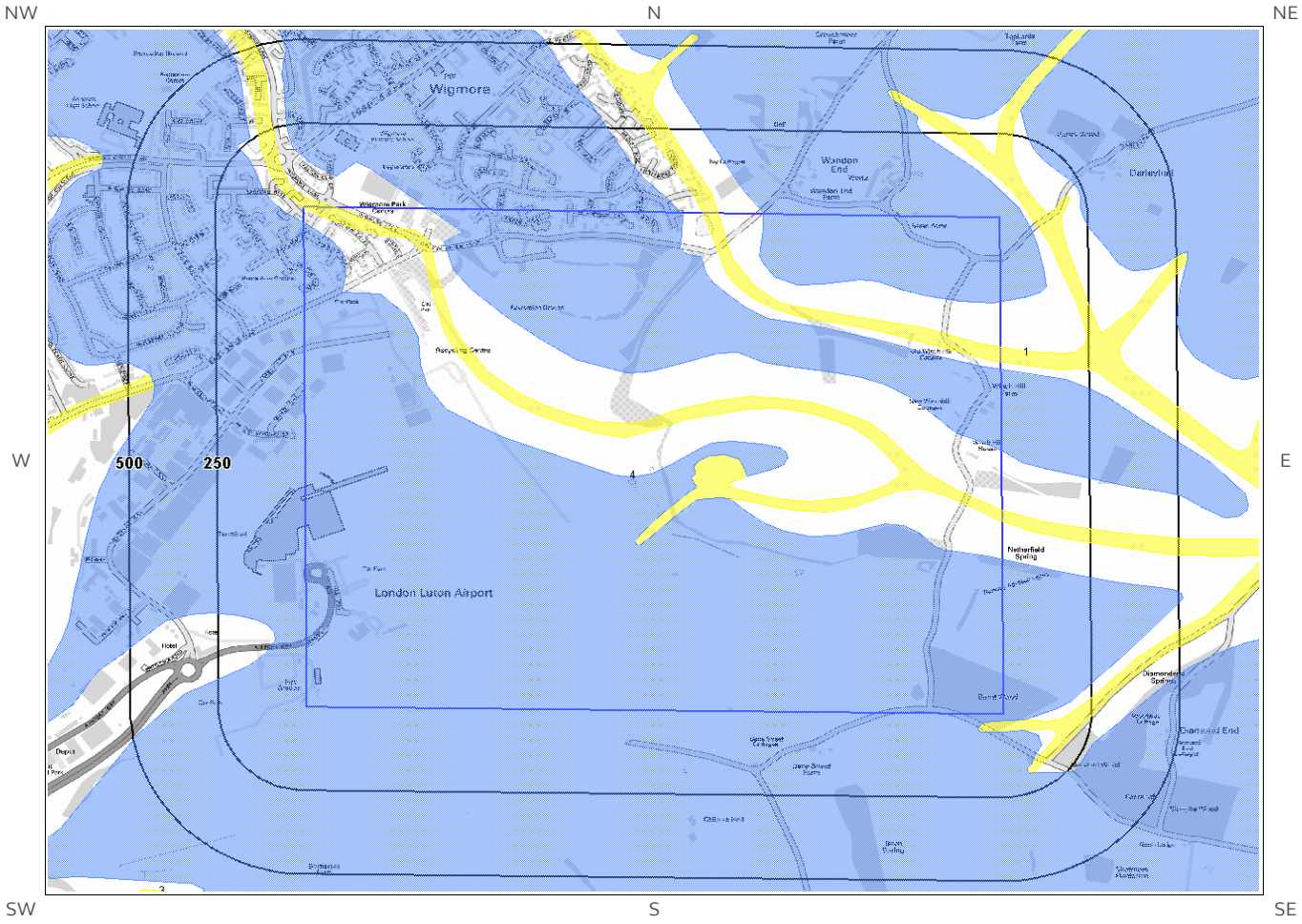
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED)	CHALK
CKR-CHLK	CHALK ROCK MEMBER	CHALK
LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED)	CHALK

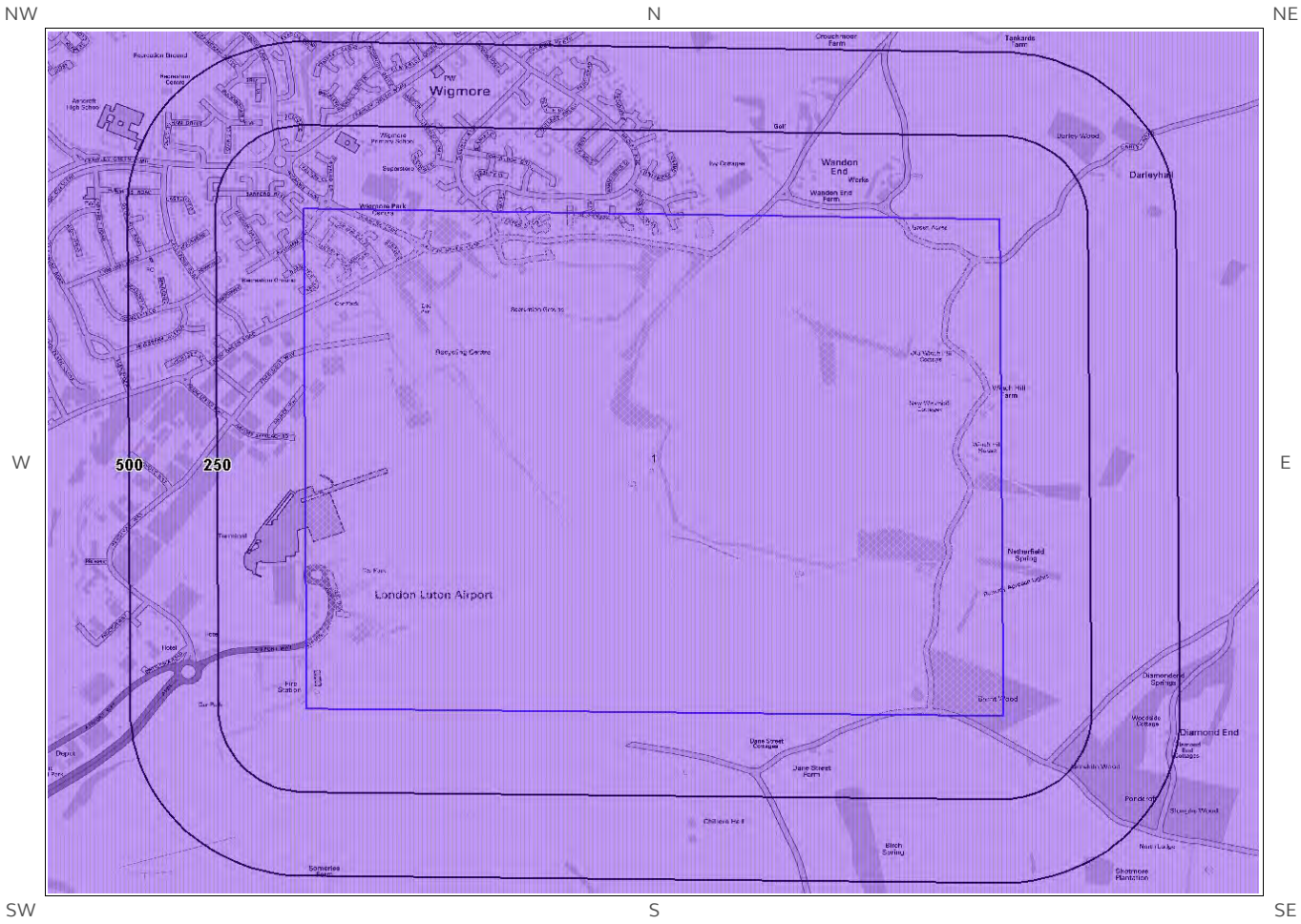
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



6b. Aquifer Within Bedrock Geology and Abstraction Licenses



Site Outline

250
500
Search Buffers (m)

Principal Aquifer

Secondary (A) Aquifer - Permeable Layers

Secondary (B) Aquifer - Lower Permeability Layers

Groundwater Abstraction Licence

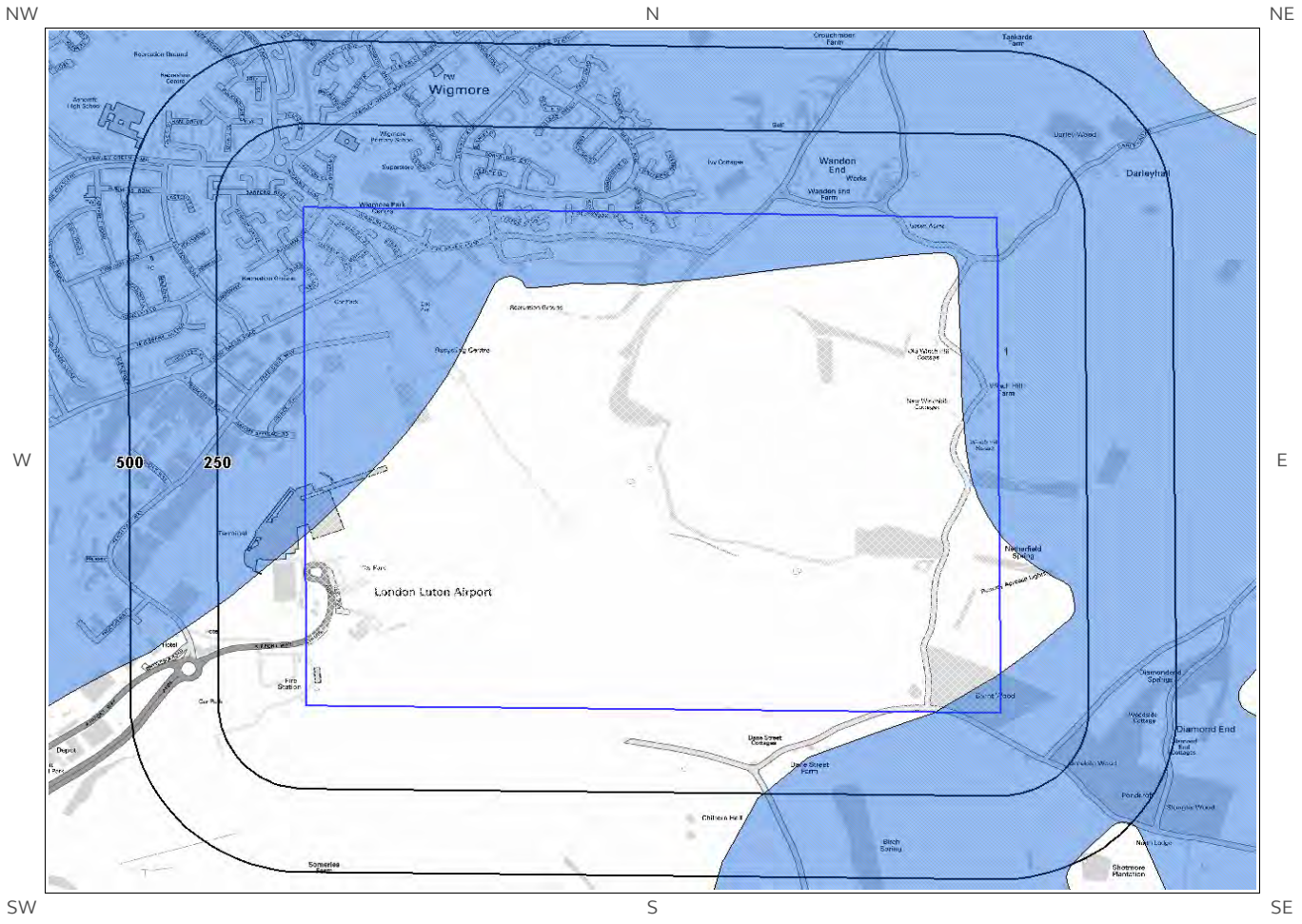
Secondary Aquifer - Undifferentiated Layers

Unproductive

Unknown (lakes and landslip)

Surface Water Abstraction Licence

6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



Site Outline

250 Search Buffers (m)
500

Source Protection Zone 1 - Inner Catchment

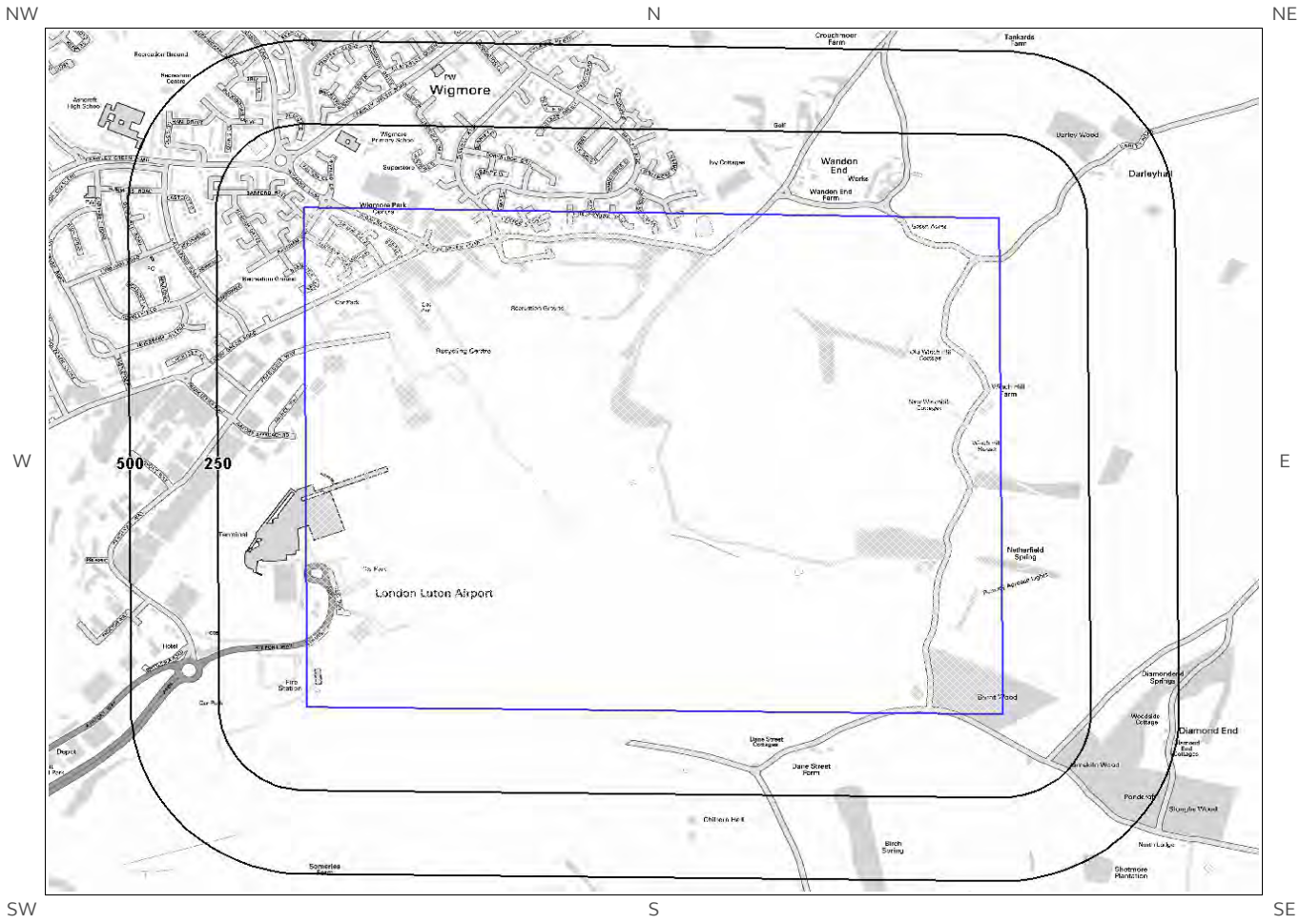
Source Protection Zone 2 - Outer Catchment

Source Protection Zone 3 - Total Catchment

Source Protection Zone 4 - Zone of Special Interest

Potable Water Abstraction Licence

6d. Hydrogeology – Source Protection Zones within confined aquifer



Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

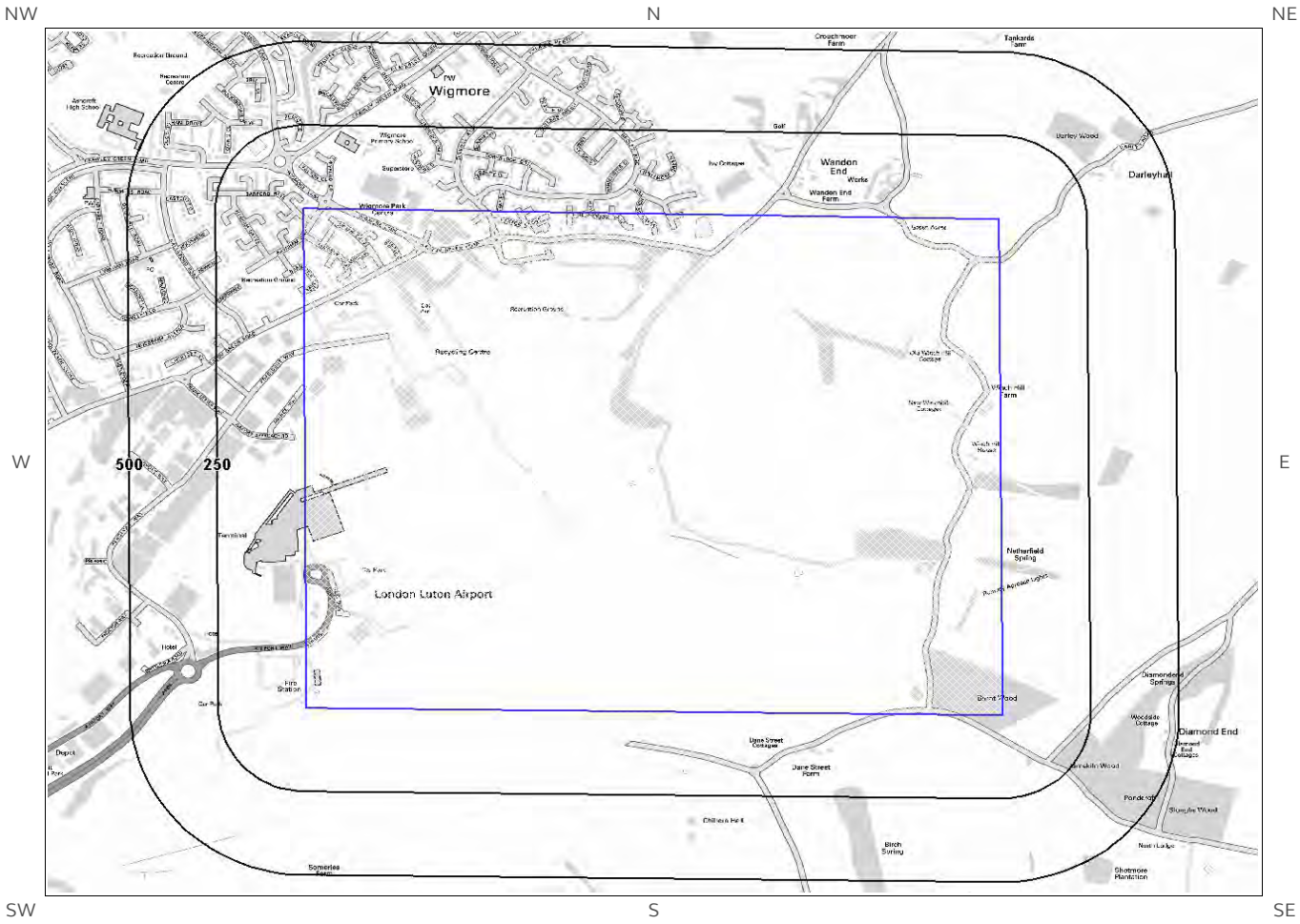
Source Protection Zone 3C - Total Catchment within Confined Aquifer

Potable Water Abstraction Licence

Site Outline

250
500
Search Buffers (m)

6e. Hydrology – Detailed River Network and River Quality



Site Outline

250 Search Buffers (m)
500

Primary River
Secondary River
Tertiary River
Lake/Reservoir
Underground River (inferred)
General Quality Assessment: Biology
General Quality Assessment: Chemistry

Canal
Canal Tunnel
Culvert
Multiple Channel Culvert
Underground River (Potential Sewer)
Underground River (local knowledge)

6.Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	0	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	427	W	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site? Yes

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details	
Not shown	977	W	510900 221200	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'd' Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:
Not shown	1007	W	510870 221250	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole D Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/5/2008 Version End Date:
Not shown	1007	W	510870 221220	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole C Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/5/2008 Version End Date:
Not shown	1077	W	510800 221200	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'c' Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:
Not shown	1197	W	510700 220650	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole B Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/5/2008 Version End Date:
Not shown	1212	W	510690 220620	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton - Borehole A Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 102 Version Start Date: 15/5/2008 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1304	W	510600 220600	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'b' Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:
Not shown	1327	W	510600 220500	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Kimpton Road, Luton, Borehole 'a' Data Type: Point Name: IBC VEHICLES LIMITED	Annual Volume (m^3): 2636738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/5/2005 Version End Date:
Not shown	1638	S	513500 219200	Status: Historical Licence No: 29/38/02/0068 Details: General Farming & Domestic Direct Source: Thames Groundwater Point: Laburnum Farm, Chiltern Green - Borehole Data Type: Point Name: J B & B H MURCHIE	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: W/726/29/38 Original Start Date: 23/10/1969 Expiry Date: - Issue No: 100 Version Start Date: 23/10/1969 Version End Date:
Not shown	1839	NE	515400 223300	Status: Active Licence No: 29/38/02/0070 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Kings Walden Pumping Station Data Type: Point Name: Affinity Water Limited	Annual Volume (m^3): 829645 Max Daily Volume (m^3): 2841.25 Original Application No: NPS/WR/011805 Original Start Date: 21/5/1982 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site? No

Database searched and no data found.

6.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site? Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details	
Not shown	1839	NE	515400 223300	Status: Active Licence No: 29/38/02/0070 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Kings Walden Pumping Station Data Type: Point Name: Affinity Water Limited	Annual Volume (m^3): 829645 Max Daily Volume (m^3): 2841.25 Original Application No: NPS/WR/011805 Original Start Date: 21/5/1982 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site? Yes

The following Source Protection Zones records are represented on the SPZ and Potable Water Abstraction Map (6c):

ID	Distance (m)	Direction	Zone	Description
1	0	On Site	3	Total catchment

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site? No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency information on groundwater vulnerability and soil leaching potential within 500m of the study site? Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
0	On Site	Major Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

6.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site? Yes

6.9.1 Biological Quality:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

The following Biological Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1438	W	510440 221110	River Name: Lee (thames) Reach: Luton Hoo Lakes - Luton Stw End/Start of Stretch: Start of Stretch NGR	C	C	C	B	B
Not shown	1438	W	510440 221110	River Name: Lee (thames) Reach: Leagrave - Luton Hoo Lakes End/Start of Stretch: End of Stretch NGR	D	D	D	C	C

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site? No

Database searched and no data found.

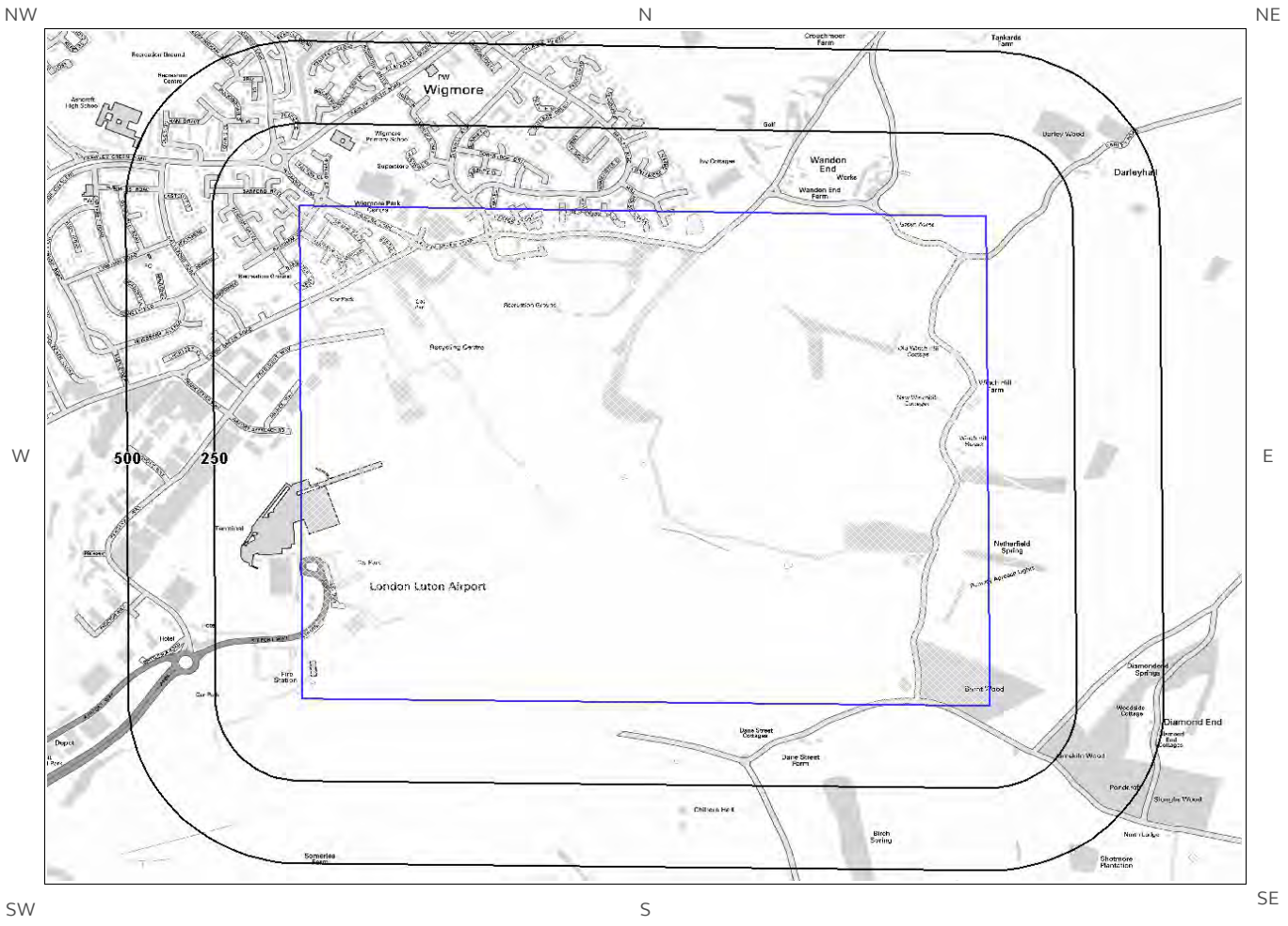
6.11 Surface Water Features

Are there any surface water features within 250m of the study site? Yes

The following surface water records are not represented on mapping:

Distance (m)	Direction
0	On Site
212	NW

7a. Environment Agency Flood Map for Planning (from rivers and the sea)



Site Outline

100
250
Search Buffers (m)

Zone 2 Floodplain

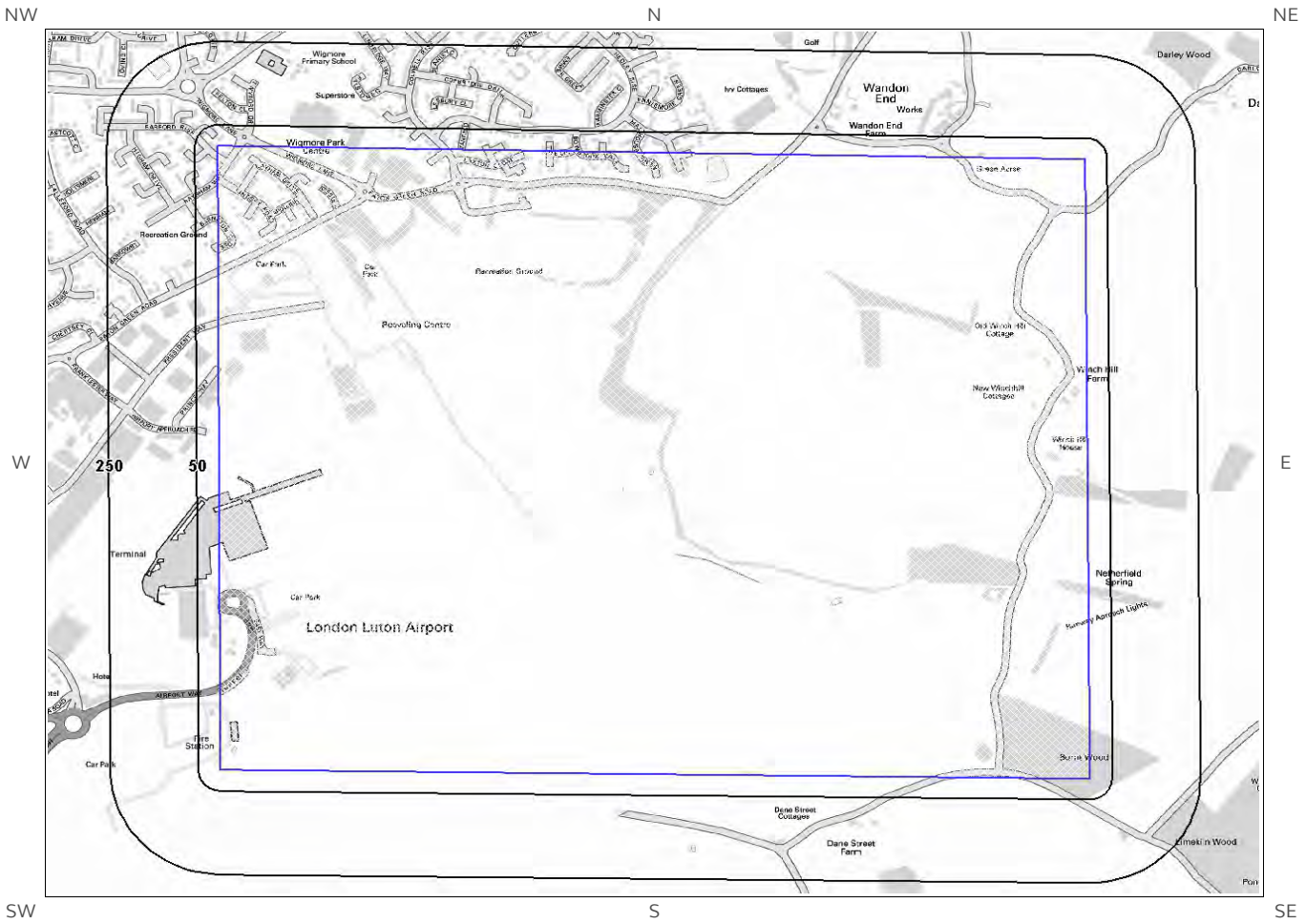
Zone 3 Floodplain

Flood Defences

Area used for Flood Storage

Area Benefiting from Flood Defences

7b. Environment Agency Risk of Flooding from Rivers and the Sea (RoFRaS) Map



Site Outline

100
250
Search Buffers (m)

RoFRaS Rating

- Very Low
- Low
- Medium
- High

7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency Zone 2 floodplain? No

Environment Agency Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency Zone 3 floodplain? No

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No

Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site? No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Clearwater Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

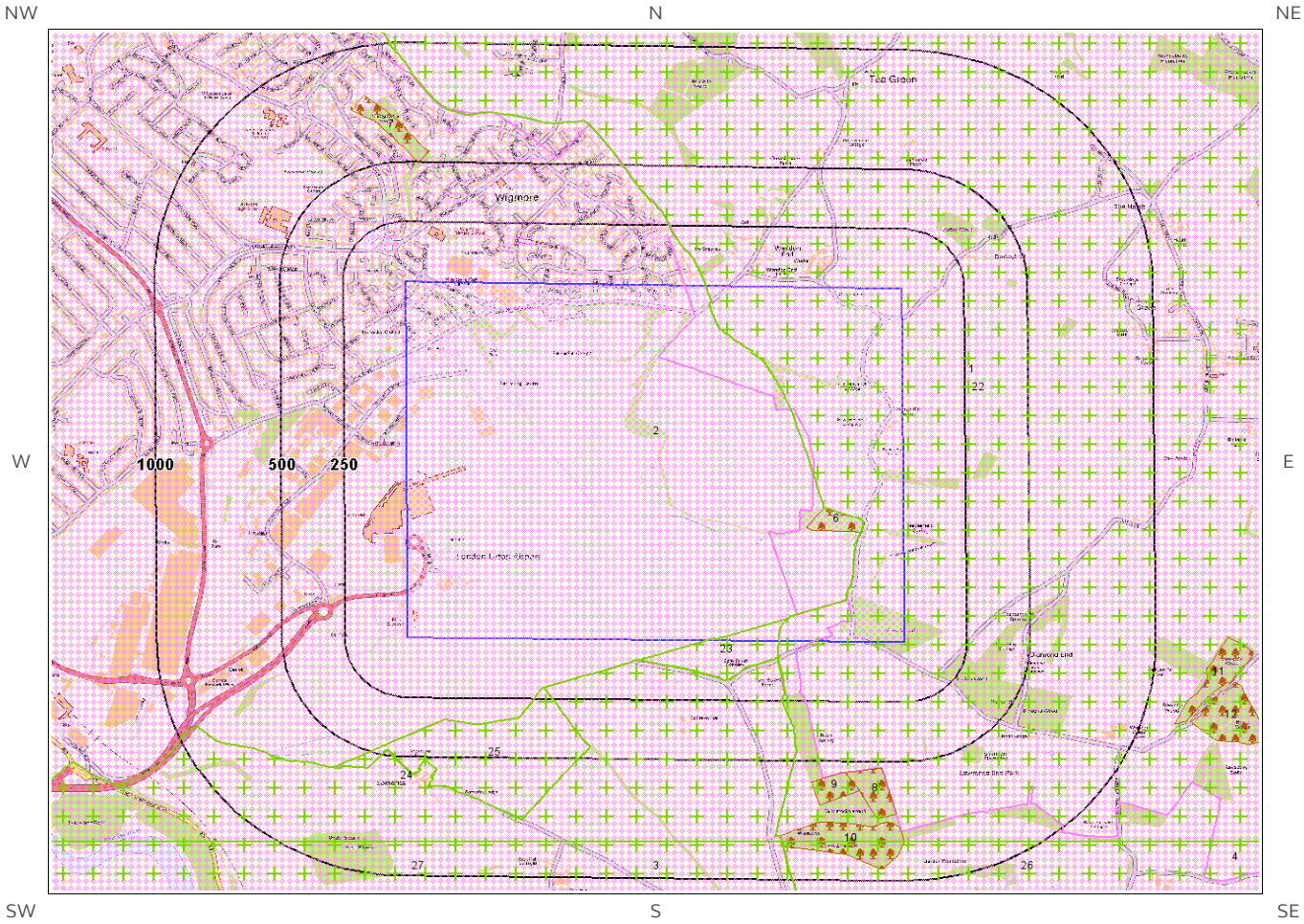
7.8 Groundwater Flooding Confidence Areas

What is the British Geological Survey confidence rating in this result? High

Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



Site Outline

100
250
Search Buffers (m)

AONB

National Park

SSSI

Special Protection Areas

Nitrate Vulnerable Zones

Green Belt

Environmentally Sensitive Areas

Special Areas of Conservation

World Heritage Sites

Nitrate Sensitive Areas

Ancient Woodland

National Nature Reserve

Local Nature Reserves

Ramsar Sites

8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site?	Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

16

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
6	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
7	497	N	UNKNOWN	Ancient and Semi-Natural Woodland
8	527	S	UNKNOWN	Ancient and Semi-Natural Woodland
9	548	S	UNKNOWN	Ancient Replanted Woodland
10	755	S	UNKNOWN	Ancient and Semi-Natural Woodland
11	1129	E	UNKNOWN	Ancient Replanted Woodland
12	1188	E	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1211	S	UNKNOWN	Ancient Replanted Woodland
Not shown	1273	S	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1333	N	UNKNOWN	Ancient Replanted Woodland
Not shown	1373	N	UNKNOWN	Ancient Replanted Woodland
17	1442	E	UNKNOWN	Ancient Replanted Woodland
Not shown	1450	S	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1452	S	UNKNOWN	Ancient Replanted Woodland
Not shown	1457	S	UNKNOWN	Ancient Replanted Woodland
Not shown	1521	E	UNKNOWN	Ancient Replanted Woodland

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

5

The following Nitrate Vulnerable Zone records produced by DEFRA are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	NVZ Name	Data Source
1	0	On Site	Existing	DEFRA
2	0	On Site	Existing	DEFRA
3	834	S	Existing	DEFRA
4	1481	SE	Existing	DEFRA

ID	Distance (m)	Direction	NVZ Name	Data Source
Not shown	1871	W	Existing	DEFRA

8.14 Records of Green Belt land within 2000m of the study site:

7

Green Belt data contains Ordnance Survey data © Crown copyright and database right [2015].

ID	Distance	Direction	Green Belt Name	Local Authority Name
22	0	On Site	London Area Greenbelt	North Hertfordshire District
23	0	On Site	London Area Greenbelt	Luton (B)
24	67	S	London Area Greenbelt	Central Bedfordshire
25	203	S	London Area Greenbelt	Luton (B)
26	834	S	London Area Greenbelt	North Hertfordshire District
27	839	S	London Area Greenbelt	Central Bedfordshire
Not shown	1472	N	London Area Greenbelt	Luton (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a Groundsure GeoInsight, available from our website. The following information has been found:

9.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly medium plasticity. Do not plant trees with high soil moisture demands near to buildings. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a possible increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a possible increase in insurance risk, especially during droughts or where vegetation with high moisture demands is present.

9.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Moderate

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Significant potential for slope instability with relatively small changes in ground conditions. Avoid large amounts of water entering the ground through pipe leakage or soak-aways. Do not undercut or place large amounts of material on slopes without technical advice. For new build Ö consider the potential and consequences of ground movement during excavations, or consequence of changes to loading or drainage. For existing property Ö probable increase in insurance risk is likely due to potential natural slope instability after changes to ground conditions such as a very long, excessively wet winter.

* This indicates an automatically generated 50m buffer and site.

9.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Moderate

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very significant soluble rocks are present, with a moderate possibility of local natural subsidence due to high surface or subsurface water flow. Do not load the land or undertake building work before obtaining specialist advice. Do not dispose of drainage to the ground. Some possibility groundwater pollution. Maintain drainage infrastructure. For new build Ö specialist site investigation and stability assessment may be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property Ö probable increase in insurance risk due to soluble rocks.

9.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

What is the maximum Running Sand* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing
ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

* This indicates an automatically generated 50m buffer and site.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site? No

Database searched and no data found.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary? Yes

The following non-coal mining information is provided by the BGS:

Distance (m)	Direction	Name	Commodity	Assessment of likelihood
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.

0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
6.0	N	Not available	Chalk	Small scale mining may have occurred but restricted in extent.

Past underground mine workings are unlikely. The rock types present in these areas are such that mineral veins may be present on which it is possible that mining has been undertaken and/or it is possible that small scale underground extraction of other materials may have occurred. All such occurrences are likely to be of localised extent and infrequent. It should be noted, however, that there is always the possibility of the existence of other sub-surface excavations, such as wells, cess pits, follies, air raid shelters/bunkers and other military structures etc. that could affect surface ground stability but which are outside the scope of this dataset. However, if in a coalfield area you should still consider a Coal Authority mining search for the area of interest.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No
Guidance: No Guidance Required.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com

British Geological Survey Enquiries
Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:
Web:[redacted]
BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency
National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 08708 506 506
Web:**www.environment-agency.gov.uk**
Email:**enquiries@environment-agency.gov.uk**

Public Health England
Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe
Email:**enquiries@phe.gov.uk**
Main switchboard**: 020 7654 8000**

The Coal Authority
200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk

Ordnance Survey
Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority
Authority: North Hertfordshire District Council
Phone: 01462 474000
Web: http://www.north-herts.gov.uk/
Address: Council Offices, Gernon Road, Letchworth Garden Ci,

Gemapping PLC
Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444

Standard Terms and Conditions

1 Definitions

I**n these terms and conditions unless the context otherwise requires:**

"Beneficiary" means the person or entity for whose benefit the Client has obtained the Services.

"Client" means the party or parties entering into a Contract with Groundsure.

"Commercial" means any building or property which is not Residential.

"Confidential Information" means the contents of this Contract and all information received from the Client as a result of, or in connection with, this Contract other than

(i) information which the Client can prove was rightfully in its possession prior to disclosure by Groundsure and

(ii) any information which is in the public domain (other than by virtue of a breach of this Contract).

"Support Services" means Support Services provided by Groundsure including, without limitation, interpreting third party and in-house environmental data, providing environmental support advice, undertaking environmental audits and assessments, Site investigation, Site monitoring and related items.

"Contract" means the contract between Groundsure and the Client for the provision of the Services, and which shall incorporate these terms and conditions, the Order, and the relevant User Guide.

"Third Party Data Provider" means any third party providing Third Party Content to Groundsure.

"Data Reports" means reports comprising factual data with no accompanying interpretation.

"Fees" has the meaning set out in clause 5.1.

"Groundsure" means Groundsure Limited, a company registered in England and Wales under number 03421028.

"Groundsure Materials" means all materials prepared by Groundsure and provided as part of the Services, including but not limited to Third Party Content, Data Reports, Mapping, and Risk Screening Reports.

"Intellectual Property" means any patent, copyright, design rights, trade or service mark, moral rights, data protection rights, know-how or trade mark in each case whether registered or not and including applications for the same or any other rights of a similar nature anywhere in the world.

"Mapping" means a map, map data or a combination of historical maps of various ages, time periods and scales.

"Order" means an electronic, written or other order form submitted by the Client requesting Services from Groundsure in respect of a specified Site.

"Ordnance Survey" means the Secretary of State for Business, Innovation and Skills, acting through Ordnance Survey, Adanac Drive, Southampton, SO16 0AS, UK.

"Order Website" means the online platform through which Orders may be placed by the Client and accepted by Groundsure.

"Report" means a Risk Screening Report or Data Report for Commercial or Residential property.

"Residential" means any building or property used as or intended to be used as a single dwelling.

"Risk Screening Report" means a risk screening report comprising factual data with an accompanying interpretation by Groundsure.

"Services" means any Report, Mapping and/or Support Services which Groundsure has agreed to provide by accepting an Order pursuant to clause 2.6.

"Site" means the area of land in respect of which the Client has requested Groundsure to provide the Services.

"Third Party Content" means data, database information or other information which is provided to Groundsure by a Third Party Data Provider.

"User Guide" means the user guide, as amended from time to time, available upon request from Groundsure and on the website ([REDACTED]) and forming part of this Contract.

2 Scope of Services, terms and conditions, requests for insurance and quotations

2.1 Groundsure agrees to provide the Services in accordance with the Contract.

2.2 Groundsure shall exercise reasonable skill and care in the provision of the Services.

2.3 Subject to clause 7.3 the Client acknowledges that it has not relied on any statement or representation made by or on behalf of Groundsure which is not set out and expressly agreed in writing in the Contract and all such statements and representations are hereby excluded to the fullest extent permitted by law.

2.4 The Client acknowledges that terms and conditions appearing on a Client's order form, printed stationery or other communication, or any terms or conditions implied by custom, practice or course of dealing shall be of no effect, and that this Contract shall prevail over all others in relation to the Order.

2.5 If the Client or Beneficiary requests insurance in conjunction with or as a result of the Services, Groundsure shall use reasonable endeavours to recommend such insurance, but makes no warranty that such insurance shall be available from insurers or that it will be offered on reasonable terms. Any insurance purchased by the Client or Beneficiary shall be subject solely to the terms of the policy issued by insurers and Groundsure will have no liability therefor. In addition you acknowledge and agree that Groundsure does not act as an agent or broker for any insurance providers. The Client should take (and ensure that the Beneficiary takes) independent advice to ensure that the insurance policy requested or offered is suitable for its requirements.

2.6 Groundsure's quotations or proposals are valid for a period of 30 days only unless an alternative period of time is explicitly stipulated by Groundsure. Groundsure reserves the right to withdraw any quotation or proposal at any time before an Order is accepted by Groundsure. Groundsure's acceptance of an Order shall be binding only when made in writing and signed by Groundsure's authorised representative or when accepted through the Order Website.

3 The Client's obligations

3.1The Client shall comply with the terms of this Contract and

(i) procure that the Beneficiary or any third party relying on the Services complies with and acts as if it is bound by the Contract and

(ii) be liable to Groundsure for the acts and omissions of the Beneficiary or any third party relying on the Services as if such acts and omissions were those of the Client.

3.2 The Client shall be solely responsible for ensuring that the Services are appropriate and suitable for its and/or the Beneficiary's needs.

3.3 The Client shall supply to Groundsure as soon as practicable and without charge all requisite information (and the Client warrants that such information is accurate, complete and appropriate), including without limitation any environmental information relating to the Site and shall give such assistance as Groundsure shall reasonably require in the provision of the Services including, without limitation, access to the Site, facilities and equipment.

3.4 Where the Client's approval or decision is required to enable Groundsure to carry out work in order to provide the Services, such approval or decision shall be given or procured in reasonable time and so as not to delay or disrupt the performance of the Services.

3.5 Save as expressly permitted by this Contract the Client shall not, and shall procure that the Beneficiary shall not, re-sell, alter, add to, or amend the Groundsure Materials, or use the Groundsure Materials in a manner for which they were not intended. The Client may make the Groundsure Materials available to a third party who is considering acquiring some or all of, or providing funding in relation to, the Site, but such third party cannot rely on the same unless expressly permitted under clause 4.

3.6 The Client is responsible for maintaining the confidentiality of its user name and password if using the Order Website and the Client acknowledges that Groundsure accepts no liability of any kind for any loss or damage suffered by the Client as a consequence of using the Order Website.

4 Reliance

4.1The Client acknowledges that the Services provided by Groundsure consist of the presentation and analysis of Third Party Content and other content and that information obtained from a Third Party Data Provider cannot be guaranteed or warranted by Groundsure to be reliable.

4.2 In respect of Data Reports, Mapping and Risk Screening Reports, the following classes of person and no other are entitled to rely on their contents;

(i) the Beneficiary,

(ii) the Beneficiary's professional advisers, (iii) any person providing funding to the Beneficiary in relation to the Site (whether directly or as part of a lending syndicate),

(iv) the first purchaser or first tenant of the Site, and

(v) the professional advisers and lenders of the first purchaser or tenant of the Site.

4.3 In respect of Support Services, only the Client, Beneficiary and parties expressly named in a Report and no other parties are entitled to rely on its contents.

4.4 Save as set out in clauses 4.2 and 4.3 and unless otherwise expressly agreed in writing, no other person or entity of any kind is entitled to rely on any Services or Report issued or provided by Groundsure. Any party considering such Reports and Services does so at their own risk.

5 Fees and Disbursements

5.1Groundsure shall charge and the Client shall pay fees at the rate and

frequency specified in the written proposal, Order Website or Order acknowledgement form, plus (in the case of Support Services) all proper disbursements incurred by Groundsure. The Client shall in addition pay all value added tax or other tax payable on such fees and disbursements in relation to the provision of the Services (together "Fees").

5.2 The Client shall pay all outstanding Fees to Groundsure in full without deduction, counterclaim or set off within 30 days of the date of Groundsure's invoice or such other period as may be agreed in writing between Groundsure and the Client ("Payment Date"). Interest on late payments will accrue on a daily basis from the Payment Date until the date of payment (whether before or after judgment) at the rate of 8% per annum.

5.3 The Client shall be deemed to have agreed the amount of any invoice unless an objection is made in writing within 28 days of the date of the invoice. As soon as reasonably practicable after being notified of an objection, without prejudice to clause 5.2 a member of Groundsure's management team will contact the Client and the parties shall then use all reasonable endeavours to resolve the dispute within 15 days.

6 Intellectual Property and Confidentiality

6.1 Subject to

(i) full payment of all relevant Fees and

(ii) compliance with this Contract, the Client is granted (and is permitted to sub-licence to the Beneficiary) a royalty-free, worldwide, non-assignable and (save to the extent set out in this Contract) non-transferable licence to make use of the Groundsure Materials.

6.2 All Intellectual Property in the Groundsure Materials are and shall remain owned by Groundsure or Groundsure's licensors (including without limitation the Third Party Data Providers) the Client acknowledges, and shall procure acknowledgement by the Beneficiary of, such ownership. Nothing in this Contract purports to transfer or assign any rights to the Client or the Beneficiary in respect of such Intellectual Property.

6.3 Third Party Data Providers may enforce any breach of clauses 6.1 and 6.2 against the Client or Beneficiary.

6.4 The Client shall, and shall procure that any recipients of the Groundsure Materials shall:

(i) not remove, suppress or modify any trade mark, copyright or other proprietary marking belonging to Groundsure or any third party from the Services;

(ii) use the information obtained as part of the Services in respect of the subject Site only, and shall not store or reuse any information obtained as part of the Services provided in respect of adjacent or nearby sites;

(iii) not create any product or report which is derived directly or indirectly from the Services (save that those acting in a professional capacity to the Beneficiary may provide advice based upon the Services);

(iv) not combine the Services with or incorporate such Services into any other information data or service;

(v) not reformat or otherwise change (whether by modification, addition or enhancement), the Services (save that those acting for the Beneficiary in a professional capacity shall not be in breach of this clause 6.4(v) where such reformatting is in the normal course of providing advice based upon the Services);

(vi) where a Report and/or Mapping contains material belonging to Ordnance Survey, acknowledge and agree that such content is protected by Crown Copyright and shall not use such content for any purpose outside of receiving the Services; and

(vii) not copy in whole or in part by any means any map prints or run-on copies containing content belonging to Ordnance Survey (other than that contained within Ordnance Survey's OS Street Map) without first being in possession of a valid Paper Map Copying Licence from Ordnance Survey,

6.5 Notwithstanding clause 6.4, the Client may make reasonable use of the Groundsure Materials in order to advise the Beneficiary in a professional capacity. However, Groundsure shall have no liability in respect of any advice, opinion or report given or provided to Beneficiaries by the Client.

6.6 The Client shall procure that any person to whom the Services are made available shall notify Groundsure of any request or requirement to disclose, publish or disseminate any information contained in the Services in accordance with the Freedom of Information Act 2000, the Environmental Information Regulations 2004 or any associated legislation or regulations in force from time to time.

7.Liability: Particular Attention Should Be Paid To This Clause

7.1 This Clause 7 sets out the entire liability of Groundsure, including any liability for the acts or omissions of its employees, agents, consultants, subcontractors and Third Party Content, in respect of:

(i) any breach of contract, including any deliberate breach of the Contract by Groundsure or its employees, agents or subcontractors;

(ii) any use made of the Reports, Services, Materials or any part of them; and

(iii) any representation, statement or tortious act or omission (including negligence) arising under or in connection with the Contract.

7.2 All warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.

7.3 Nothing in the Contract limits or excludes the liability of the Supplier for death or personal injury resulting from negligence, or for any damage or liability incurred by the Client or Beneficiary as a result of fraud or fraudulent misrepresentation.

7.4 Groundsure shall not be liable for

(i) loss of profits;

(ii) loss of business;

(iii) depletion of goodwill and/or similar losses;

(iv) loss of anticipated savings;

(v) loss of goods;

(vi) loss of contract;

(vii) loss of use;

(viii) loss or corruption of data or information;

(ix) business interruption;

(x) any kind of special, indirect, consequential or pure economic loss, costs, damages, charges or expenses;

(xi) loss or damage that arise as a result of the use of all or part of the Groundsure Materials in breach of the Contract;

(xii) loss or damage arising as a result of any error, omission or inaccuracy in any part of the Groundsure Materials where such error, omission or inaccuracy is caused by any Third Party Content or any reasonable interpretation of Third Party Content;

(xiii) loss or damage to a computer, software, modem, telephone or other property; and

(xiv) loss or damage caused by a delay or loss of use of Groundsure's internet ordering service.

7.5 Groundsure's total liability in relation to or under the Contract shall be limited to £10 million for any claim or claims.

7.6 Groundsure shall procure that the Beneficiary shall be bound by limitations and exclusions of liability in favour of Groundsure which accord with those detailed in clauses 7.4 and 7.5 (subject to clause 7.3) in respect of all claims which the Beneficiary may bring against Groundsure in relation to the Services or other matters arising pursuant to the Contract.

8 Groundsure's right to suspend or terminate

8.1 If Groundsure reasonably believes that the Client or Beneficiary has not provided the information or assistance required to enable the proper provision of the Services, Groundsure shall be entitled to suspend all further performance of the Services until such time as any such deficiency has been made good.

8.2 Groundsure shall be entitled to terminate the Contract immediately on written notice in the event that:

(i) the Client fails to pay any sum due to Groundsure within 30 days of the Payment Date; or

(ii) the Client (being an individual) has a bankruptcy order made against him or (being a company) shall enter into liquidation whether compulsory or voluntary or have an administration order made against it or if a receiver shall be appointed over the whole or any part of its property assets or undertaking or if the Client is struck off the Register of Companies or dissolved; or

(iii) the Client being a company is unable to pay its debts within the meaning of Section 123 of the Insolvency Act 1986 or being an individual appears unable to pay his debts within the meaning of Section 268 of the Insolvency Act 1986 or if the Client shall enter into a composition or arrangement with the Client's creditors or shall suffer distress or execution to be levied on his goods; or

(iv) the Client or the Beneficiary breaches any term of the Contract (including, but not limited to, the obligations in clause 4) which is incapable of remedy or if remediable, is not remedied within five days of notice of the breach.

9. Client's Right to Terminate and Suspend

9.1 Subject to clause 10.1, the Client may at any time upon written notice terminate or suspend the provision of all or any of the Services.

9.2 In any event, where the Client is a consumer (and not a business) he/she hereby expressly acknowledges and agrees that:

(i) the supply of Services under this Contract (and therefore the performance of this Contract) commences immediately upon Groundsure's acceptance of the Order; and

(ii) the Reports and/or Mapping provided under this Contract are

(a) supplied to the Client's specification(s) and in any event

(b) by their nature cannot be returned.

10 Consequences of Withdrawal, Termination or Suspension

10.1 Upon termination of the Contract:

(i) Groundsure shall take steps to bring to an end the Services in an orderly manner, vacate any Site with all reasonable speed and shall deliver to the Client and/or Beneficiary any property of the Client and/or Beneficiary in Groundsure's possession or control; and

(ii) the Client shall pay to Groundsure all and any Fees payable in respect of the performance of the Services up to the date of termination or suspension. In respect of any Support Services provided, the Client shall also pay Groundsure any additional costs incurred in relation to the termination or suspension of the Contract.

11 Anti-Bribery

11.1 The Client warrants that it shall:

(i) comply with all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010;

(ii) comply with such of Groundsure's anti-bribery and anti-corruption policies as are notified to the Client from time to time; and

(iii) promptly report to Groundsure any request or demand for any undue financial or other advantage of any kind received by or on behalf of the Client in connection with the performance of this Contract.

11.2 Breach of this Clause 11 shall be deemed a material breach of this Contract.

12 General

12.1 The Mapping contained in the Services is protected by Crown copyright and must not be used for any purpose other than as part of the Services or as specifically provided in the Contract.

12.2 The Client shall be permitted to make one copy only of each Report or Mapping Order. Thereafter the Client shall be entitled to make unlimited copies of the Report or Mapping Order only in accordance with an Ordnance Survey paper map copy license available through Groundsure.

12.3 Groundsure reserves the right to amend or vary this Contract. No amendment or variation to this Contract shall be valid unless signed by an authorised representative of Groundsure.

12.4 No failure on the part of Groundsure to exercise, and no delay in exercising, any right, power or provision under this Contract shall operate as a waiver thereof.

12.5 Save as expressly provided in this Contract, no person other than the persons set out therein shall have any right under the Contract (Rights of Third Parties) Act 1999 to enforce any terms of the Contract.

12.6 The Secretary of State for Business, Innovation and Skills ("BIS") or BIS' successor body, as the case may be, acting through Ordnance Survey may enforce a breach of clause 6.4(vi) and clause 6.4(vii) of these terms and conditions against the Client in accordance with the provisions of the Contracts (Rights of Third Parties) Act 1999.

12.7 Groundsure shall not be liable to the Client if the provision of the Services is delayed or prevented by one or more of the following circumstances:

(i) the Client or Beneficiary's failure to provide facilities, access or information;

(ii) fire, storm, flood, tempest or epidemic;

(iii) Acts of God or the public enemy;

(iv) riot, civil commotion or war;

(v) strikes, labour disputes or industrial action;

(vi) acts or regulations of any governmental or other agency;

(vii) suspension or delay of services at public registries by Third Party Data Providers;

(viii) changes in law; or

(ix) any other reason beyond Groundsure's reasonable control.

In the event that Groundsure is prevented from performing the Services (or any part thereof) in accordance with this clause 12.6 for a period of not less than 30 days then Groundsure shall be entitled to terminate this Contract immediately on written notice to the Client.

12.8 Any notice provided shall be in writing and shall be deemed to be properly given if delivered by hand or sent by first class post, facsimile or by email to the address, facsimile number or email address of the relevant party as may have been notified by each party to the other for such purpose or in the absence of such notification the last known address.

12.9 Such notice shall be deemed to have been received on the day of delivery if delivered by hand, facsimile or email (save to the extent such day is not a working day where it shall be deemed to have been delivered on the next working day) and on the second working day after the day of posting if sent by first class post.

12.10 The Contract constitutes the entire agreement between the parties and shall supersede all previous arrangements between the parties relating to the subject matter hereof.

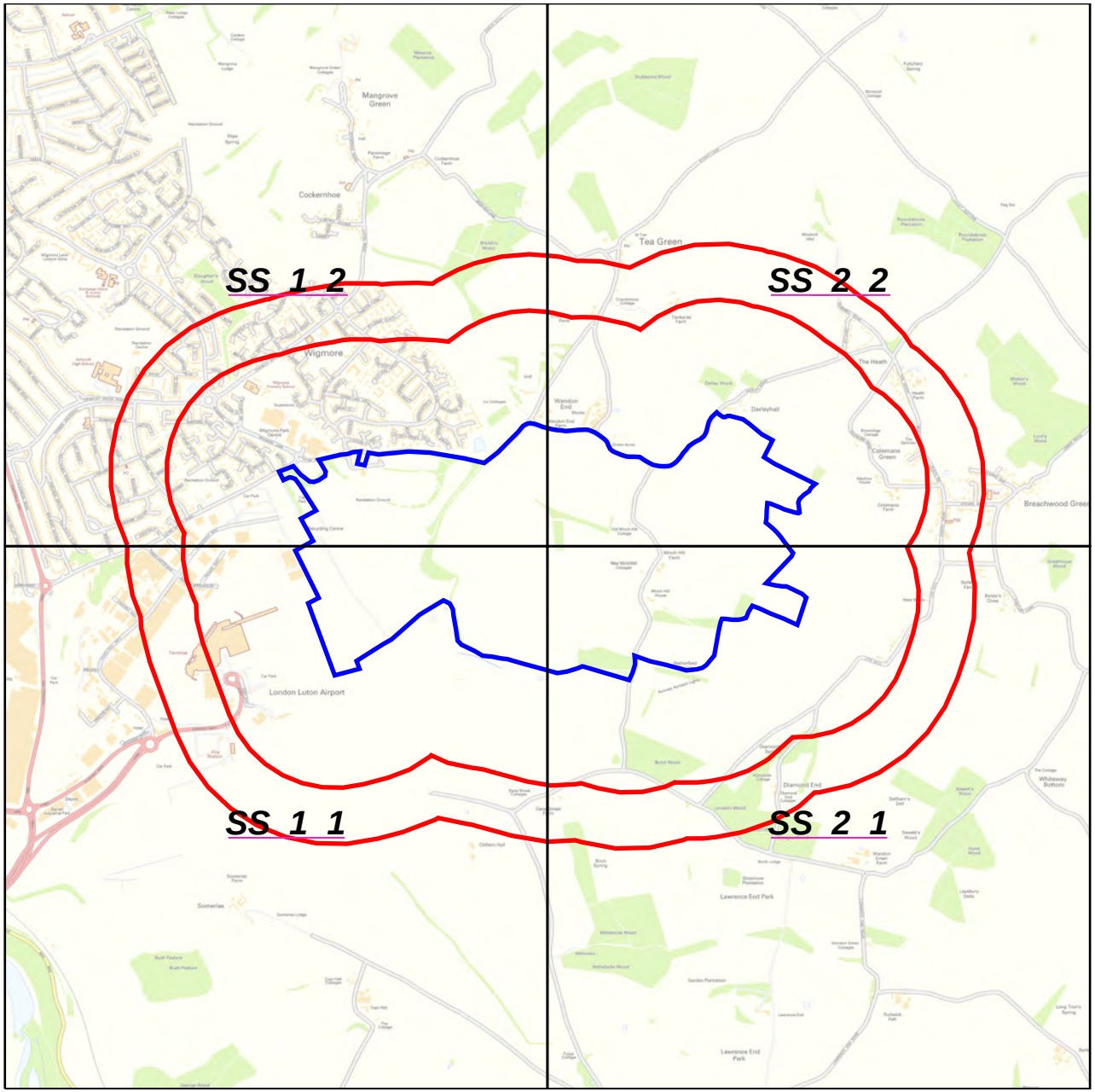
12.11 Each of the provisions of the Contract is severable and distinct from the others and if one or more provisions is or should become invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions shall not in any way be tainted or impaired.

12.12 This Contract shall be governed by and construed in accordance with English law and any proceedings arising out of or connected with this Contract shall be subject to the exclusive jurisdiction of the English courts.

12.13 Groundsure is an executive member of the Council of Property Search Organisation (CoPSO) and has signed up to the Search Code administered by the Property Codes Compliance Board (PCCB). All Risk Screening Reports shall be supplied in accordance with the provisions of the Search Code.

12.14 If the Client or Beneficiary has a complaint about the Services, written notice should be given to the Compliance Officer at Groundsure who will respond in a timely manner. In the event you are not satisfied with Groundsure's complaints handling process or you are unable to resolve the complaint, at your discretion you may refer the complaint to The Property Ombudsman Scheme at the following URL/email: website [redacted] or email: admin@tpos.co.uk

12.15 The Client agrees that it shall, and shall procure that each Beneficiary shall, treat in confidence all Confidential Information and shall not, and shall procure that each Beneficiary shall not (i) disclose any Confidential Information to any third party other than in accordance with the terms of this Contract; and (ii) use Confidential Information for a purpose other than the exercise of its rights and obligations under this Contract. Subject to clause 6.6, nothing shall prevent the Client or any Beneficiary from disclosing Confidential Information to the extent required by law.



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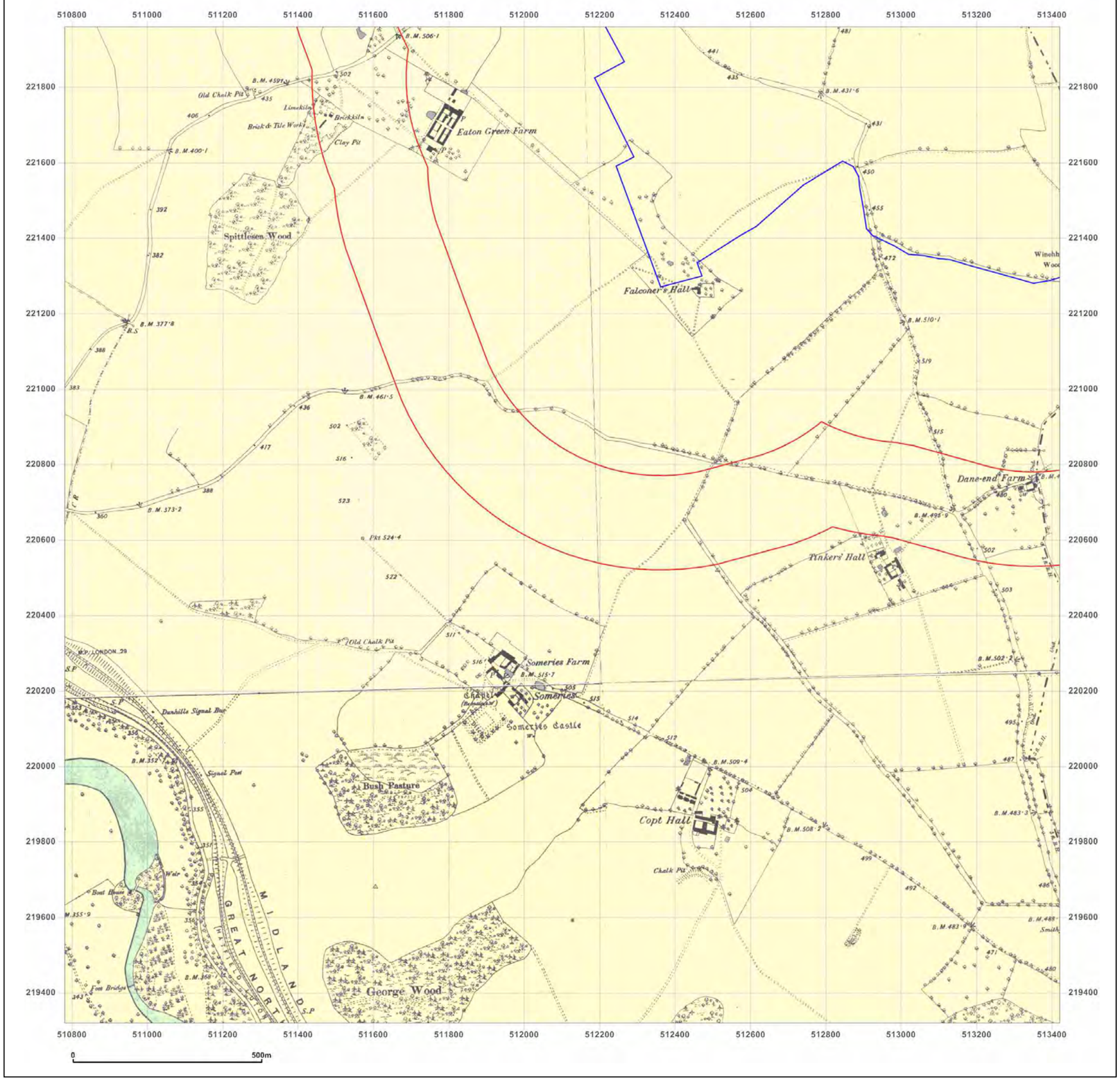

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Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: County Series

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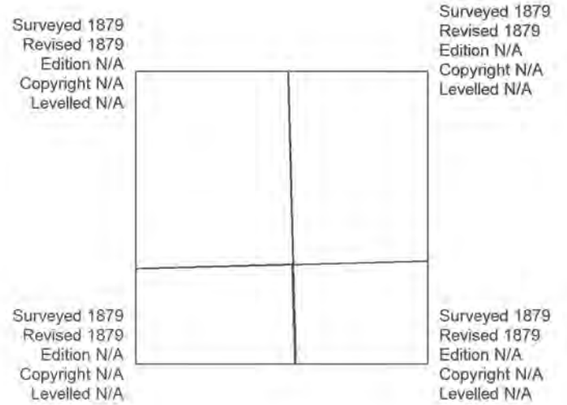

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Production date: 16 October 2018

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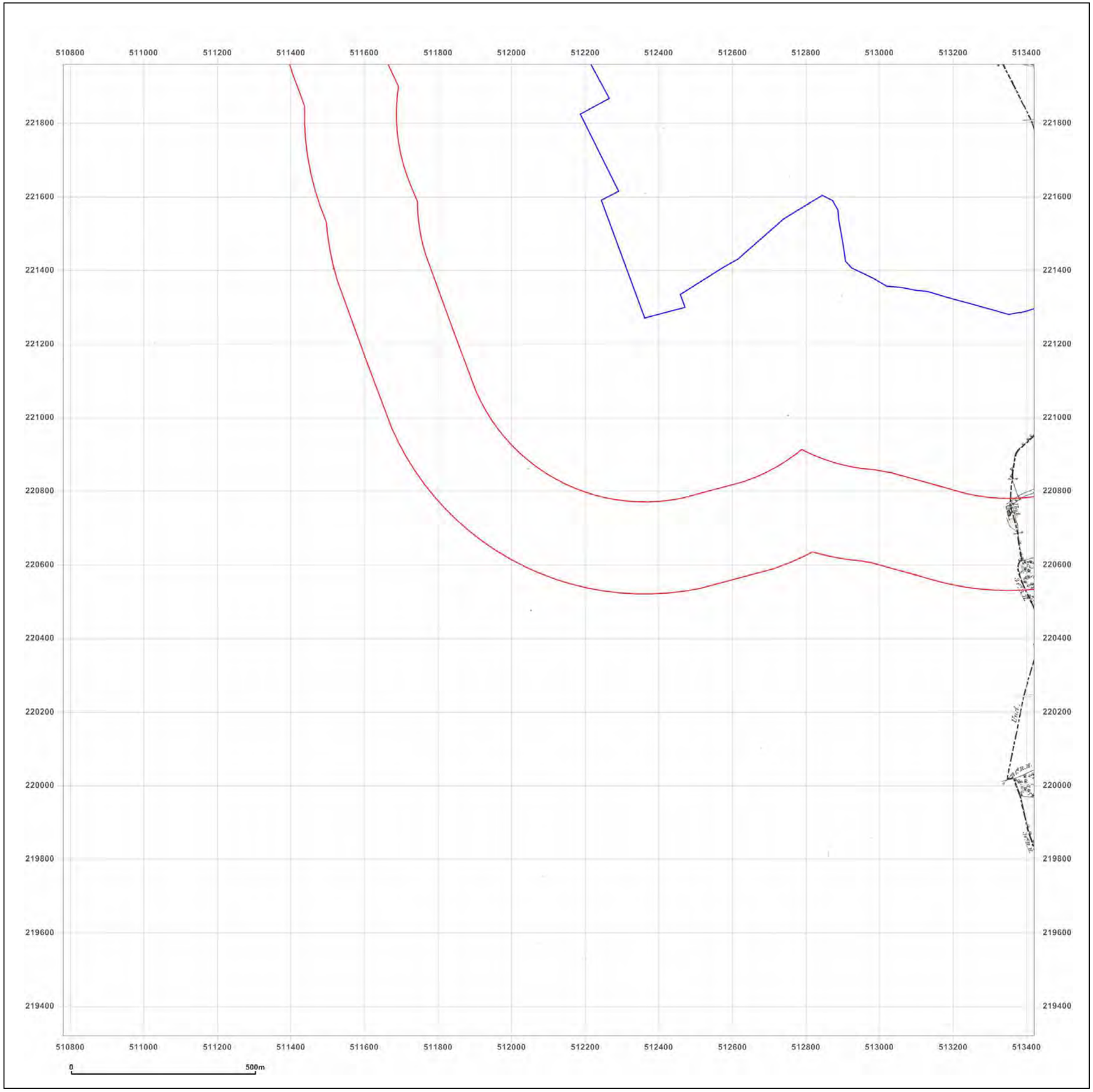

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Grid Ref: 512100, 220639

Map Name: County Series

Map date: **1884**

Scale: 1:10,560

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Surveyed 1881
Revised N/A
Edition 1884
Copyright N/A
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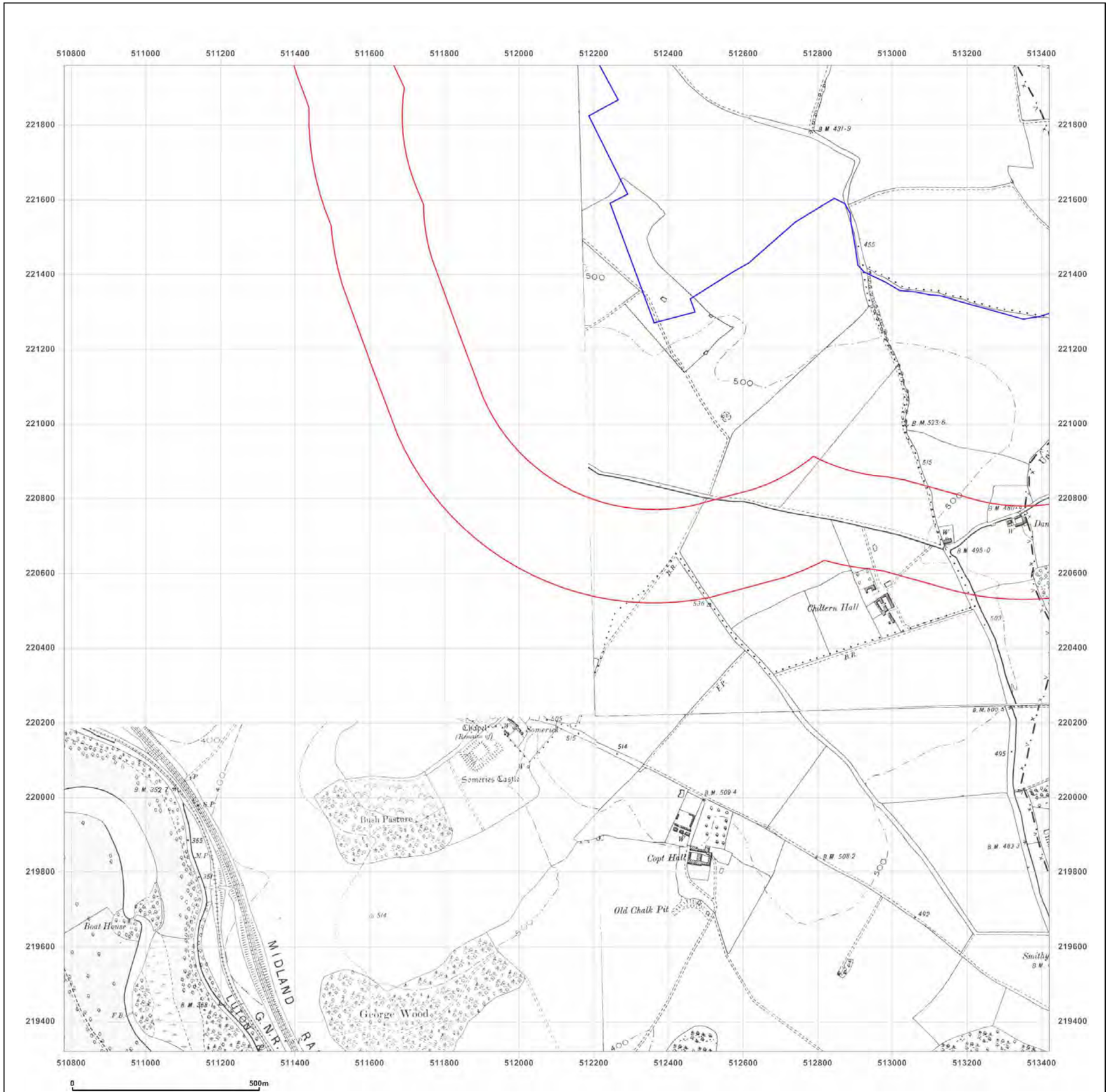

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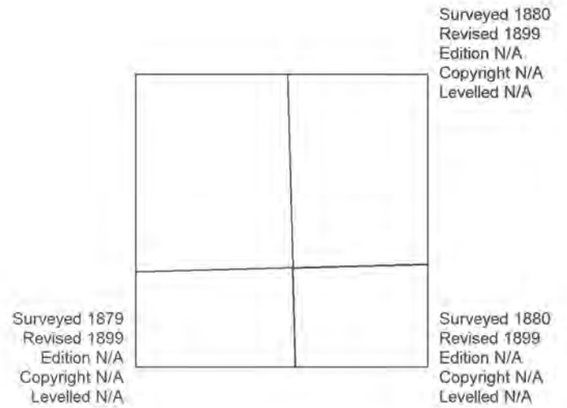

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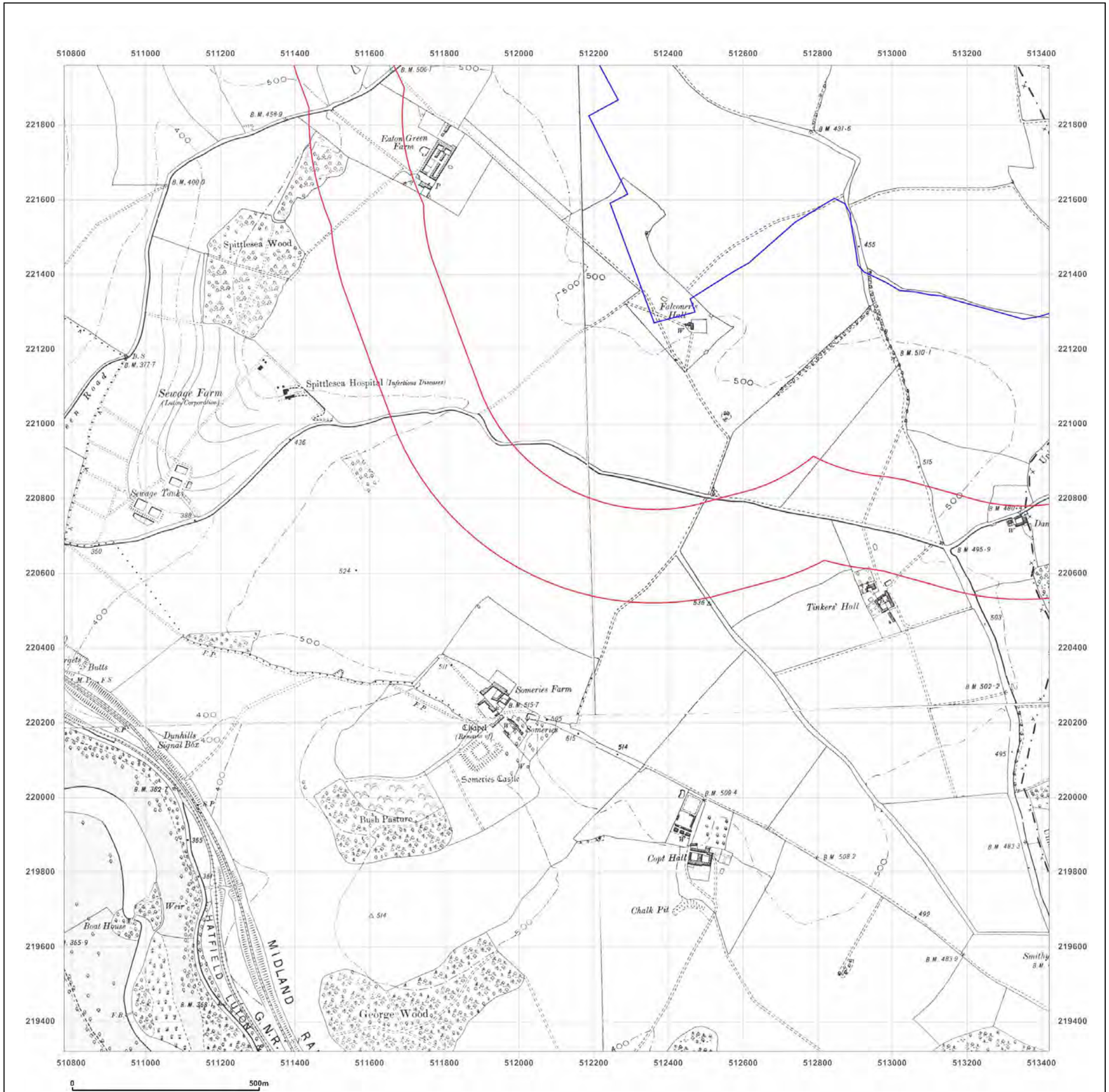

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Map Name: County Series

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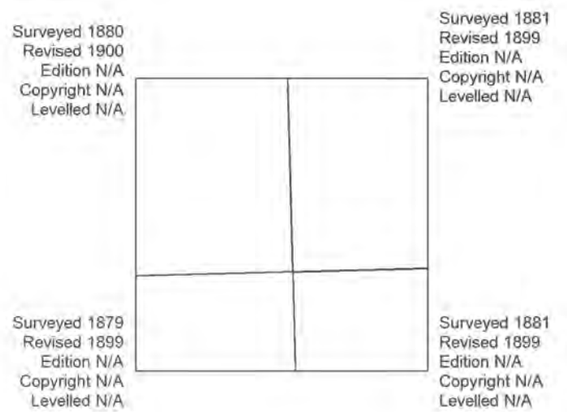

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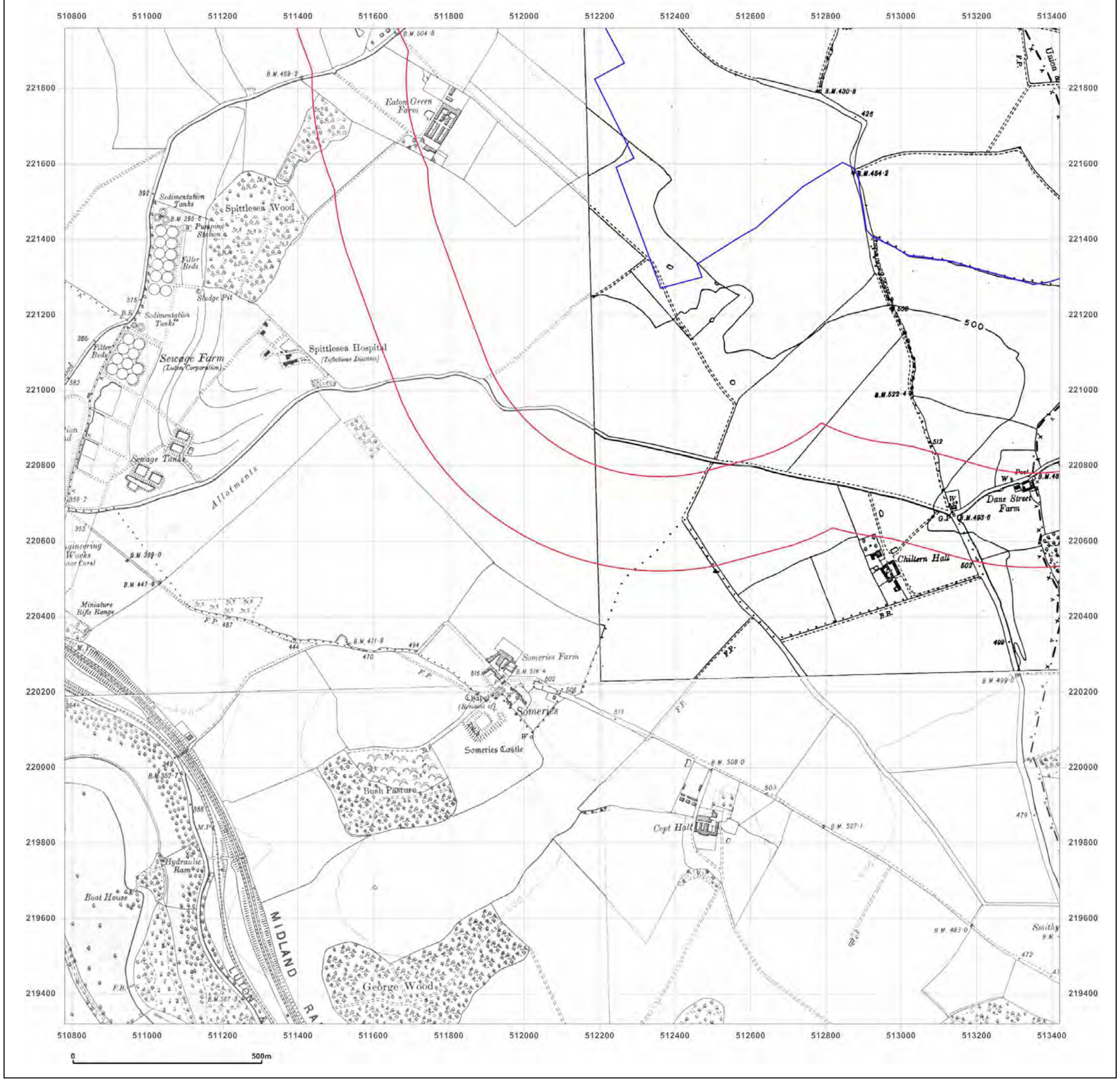

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Report Ref: GS-5534634_SS_1_1
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Map Name: County Series

Map date: **1922-1925**

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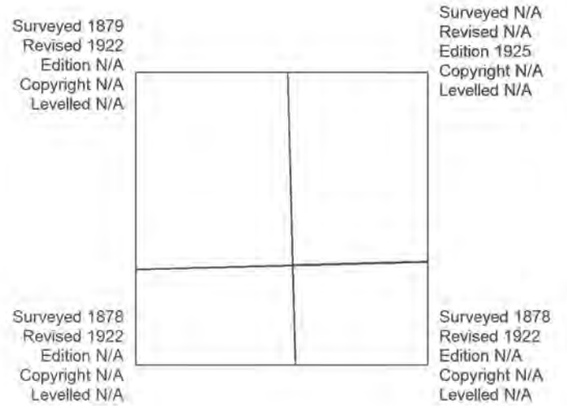

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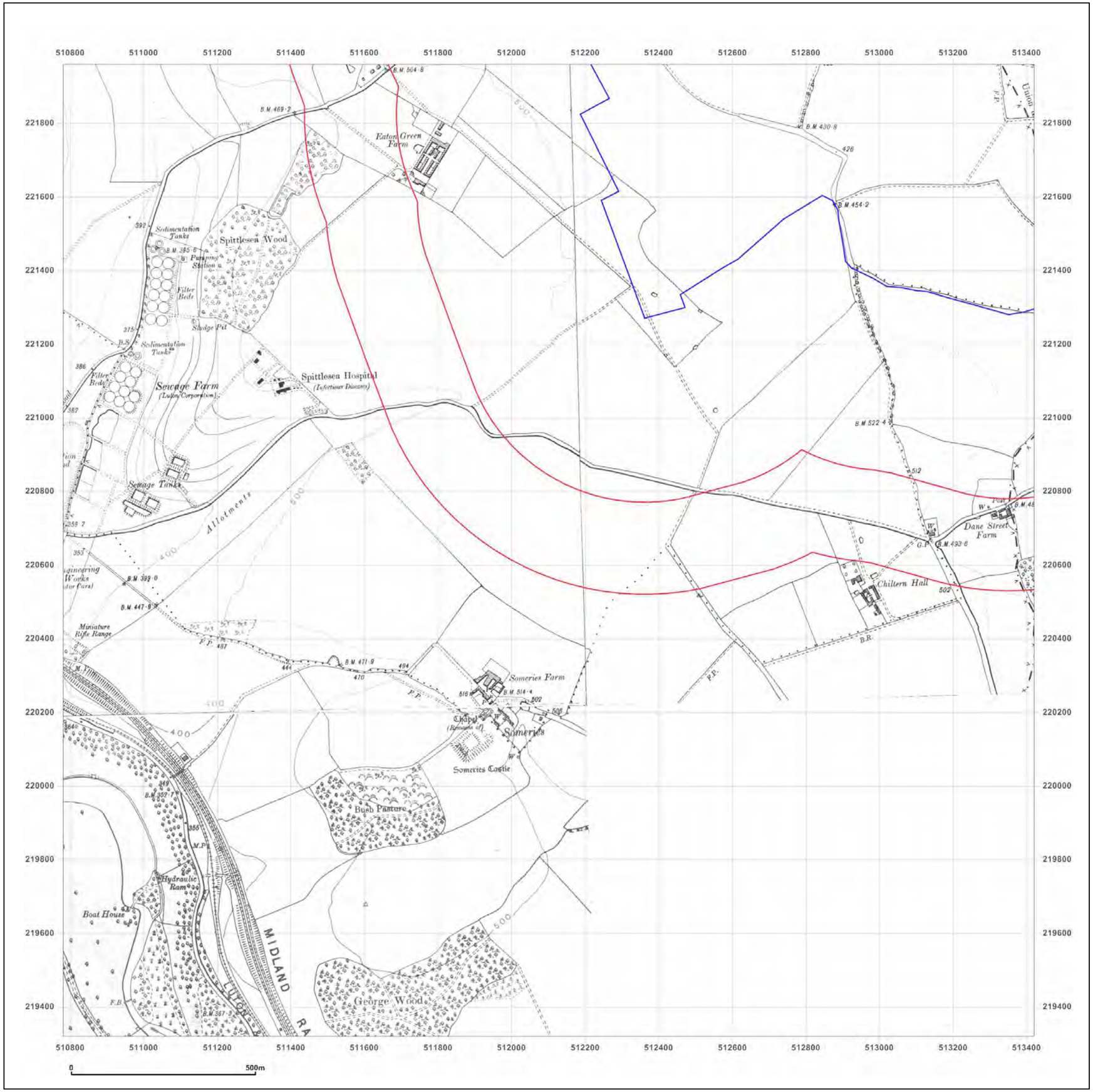

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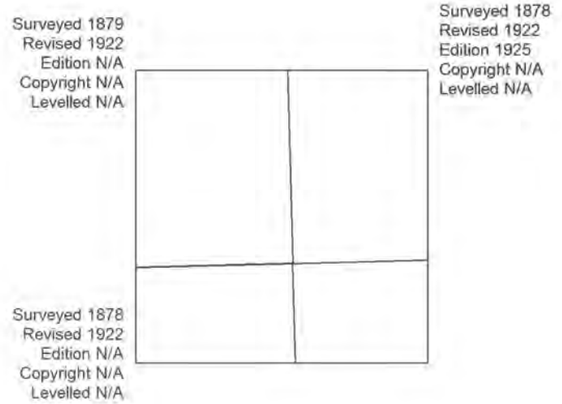

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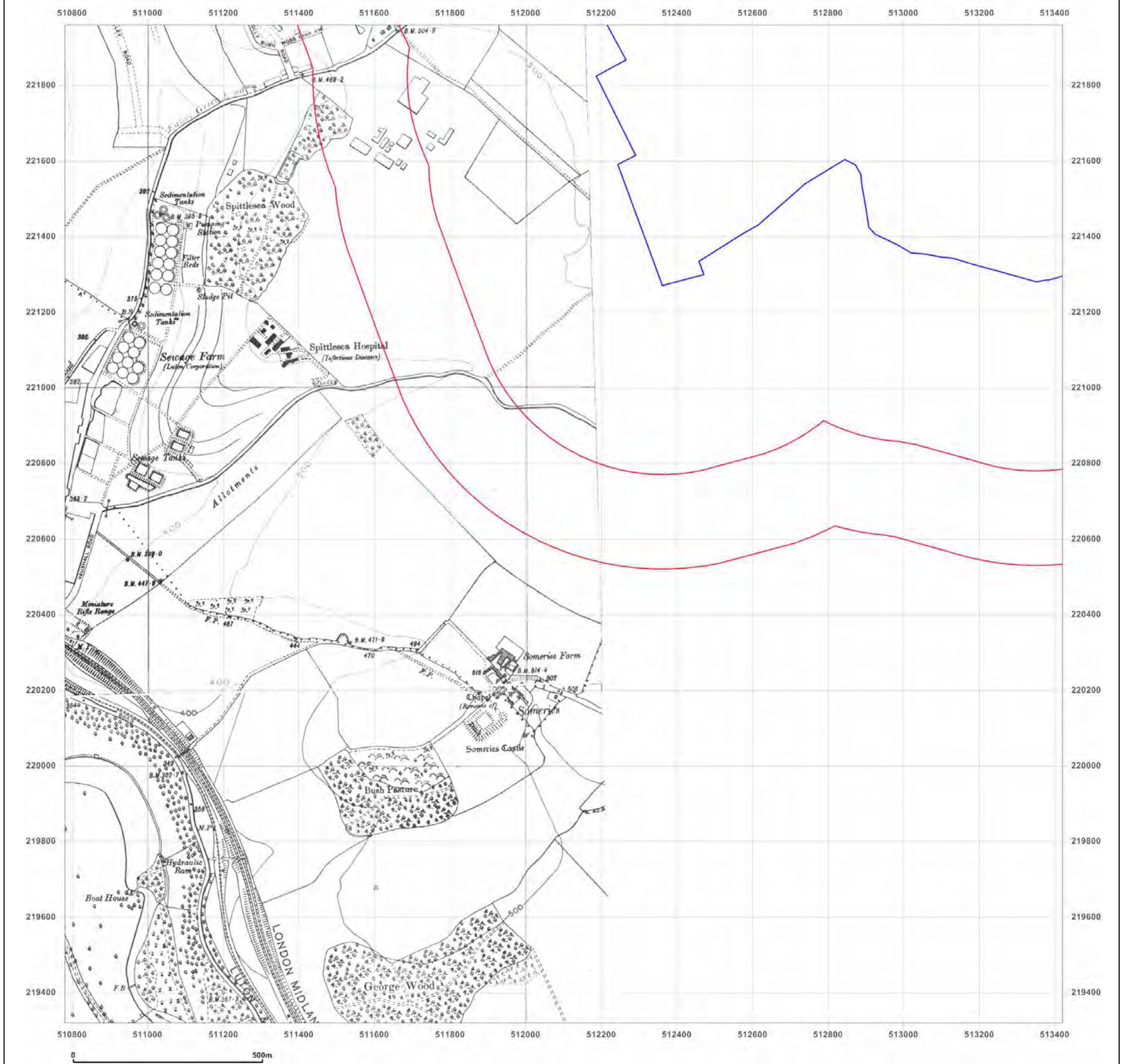

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Map Name: County Series
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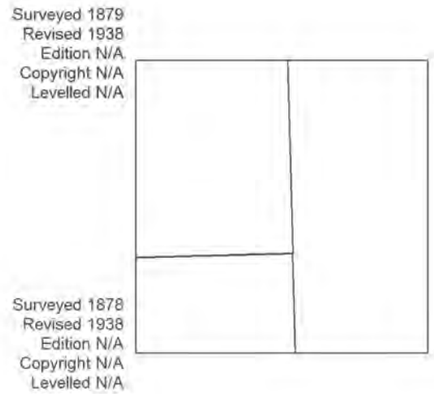

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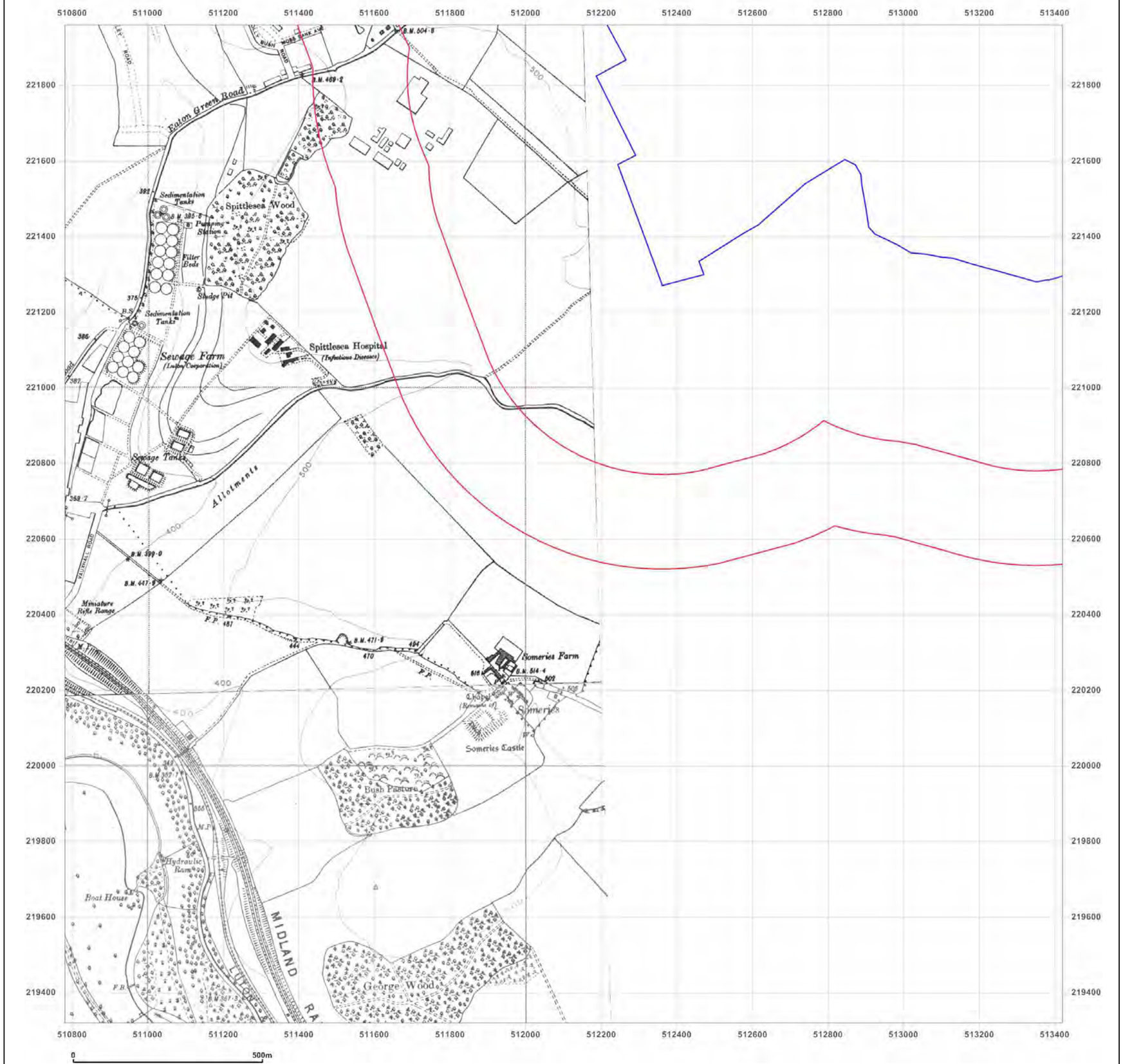

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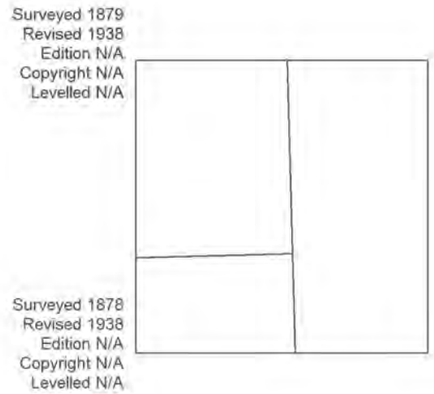

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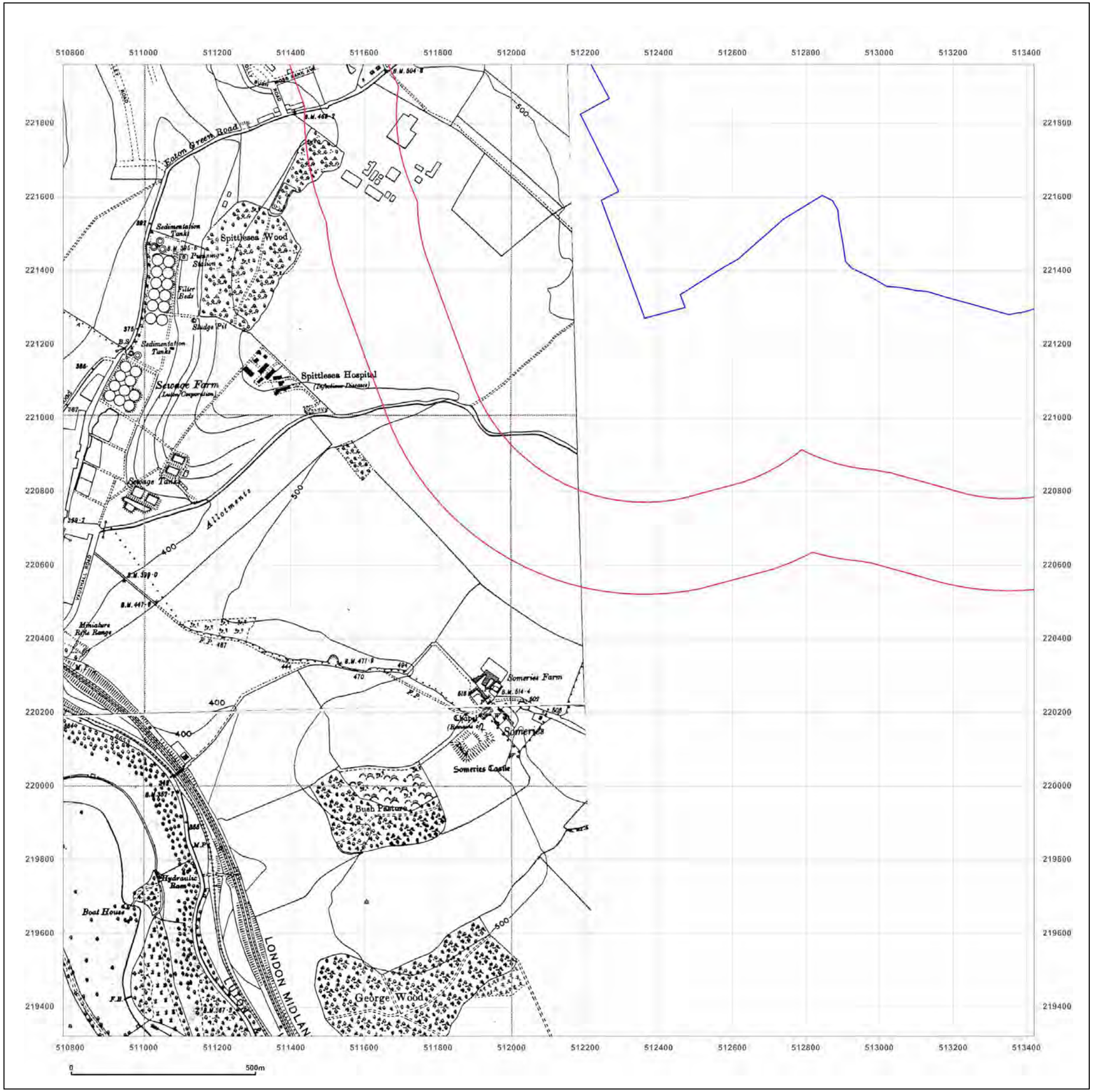

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
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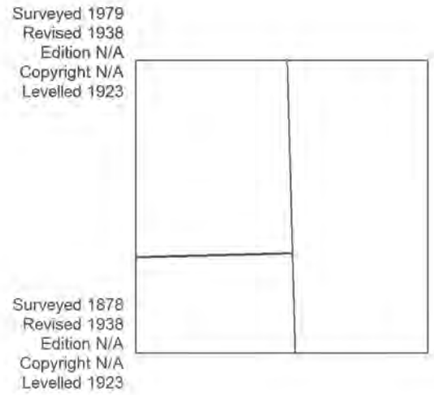

Powered by

Produced by
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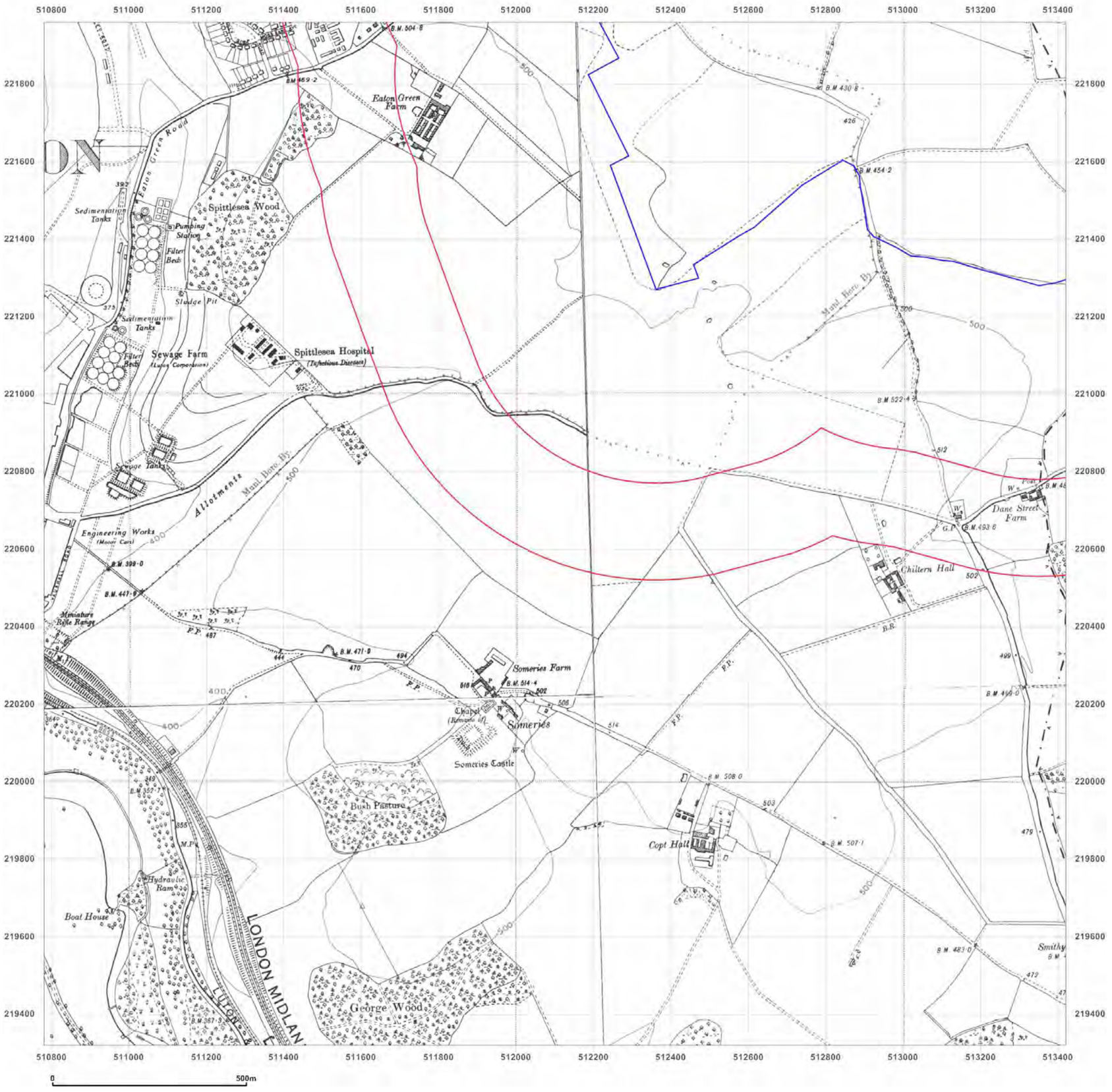
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
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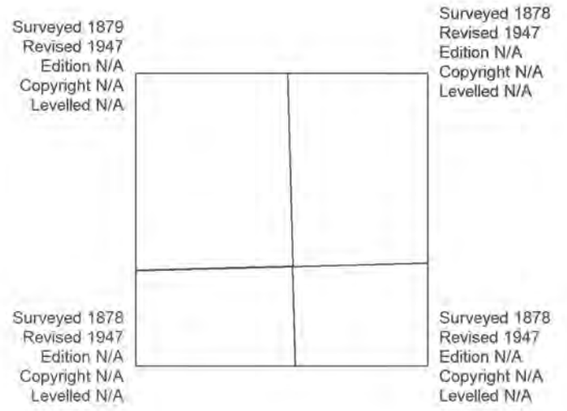

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T: 08444 159000
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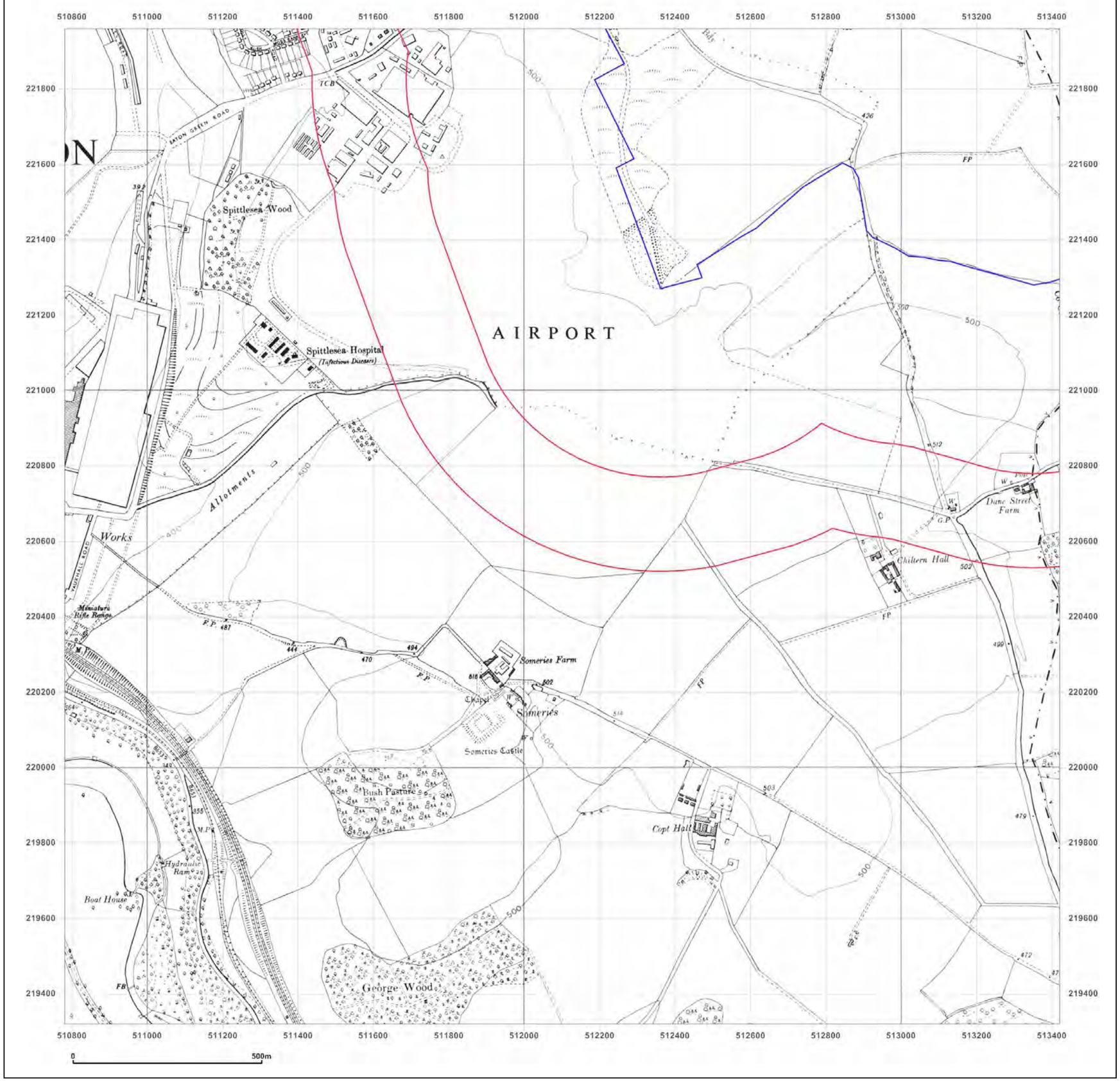
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: Provisional

Map date: **1960**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

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

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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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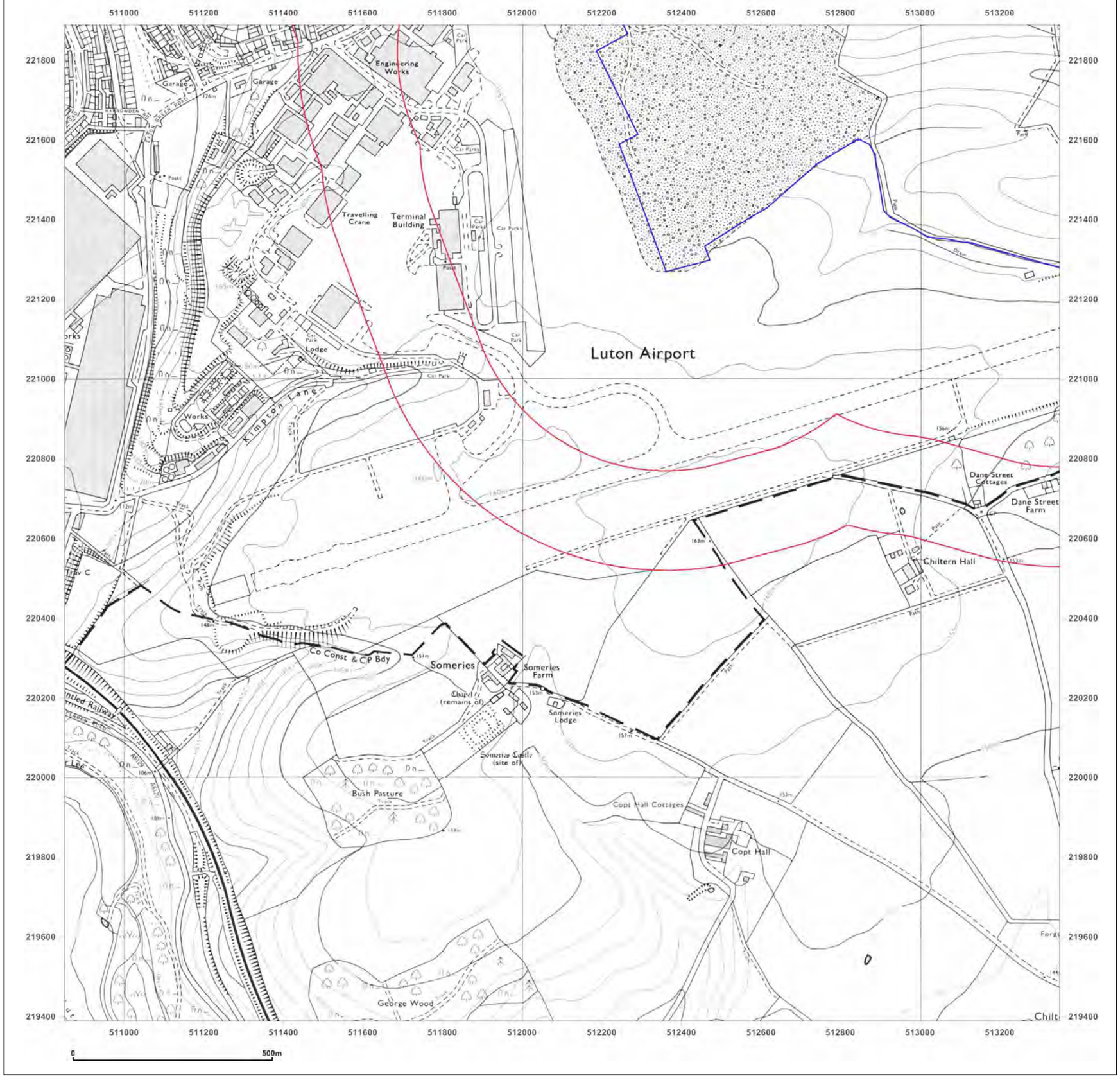

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: National Grid

Map date: **1974-1975**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1973
Revised 1975
Edition N/A
Copyright 1975
Levelled 1973

Surveyed 1972
Revised 1974
Edition N/A
Copyright 1974
Levelled 1973

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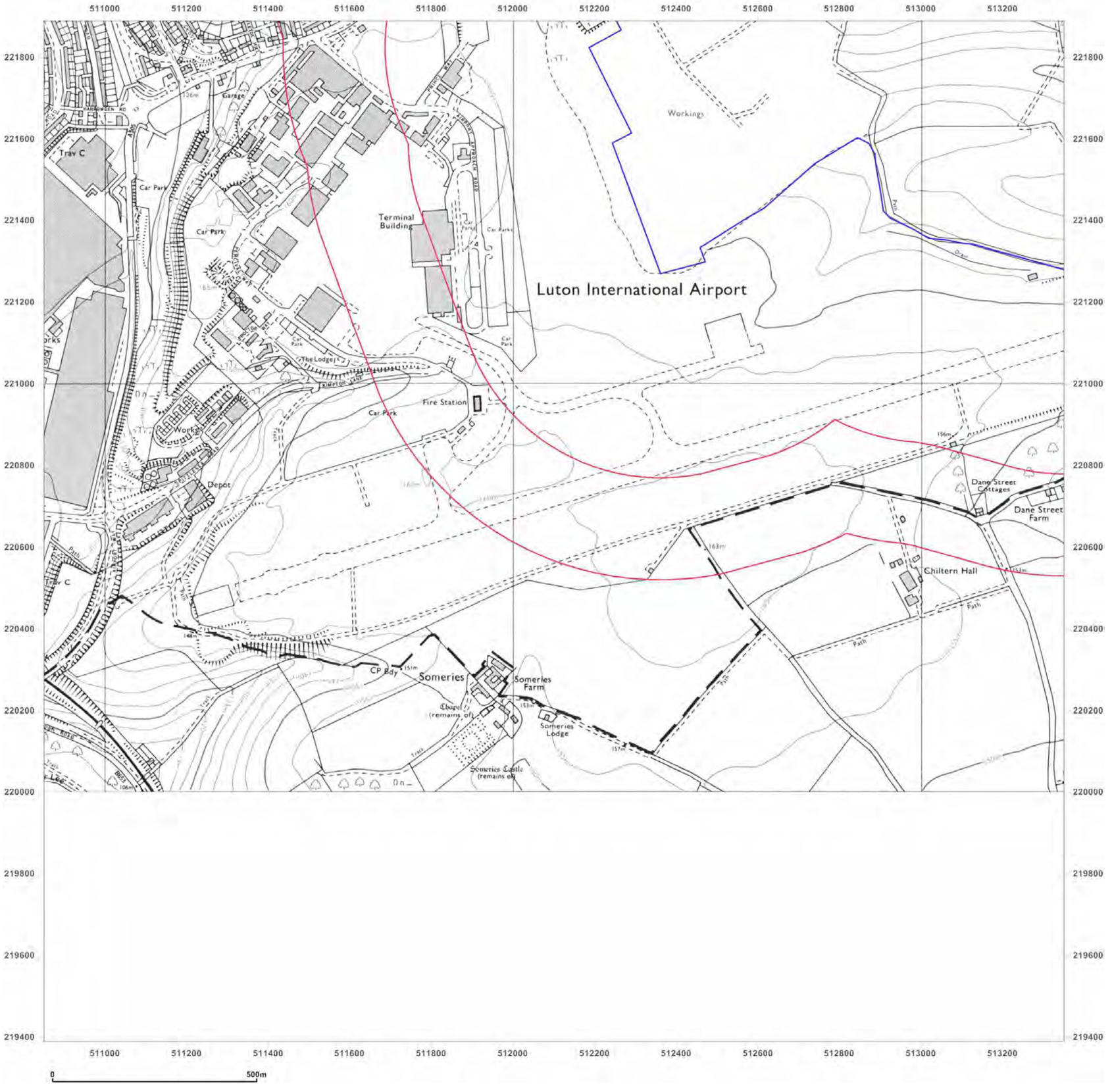
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: National Grid

Map date: **1985**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1985
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

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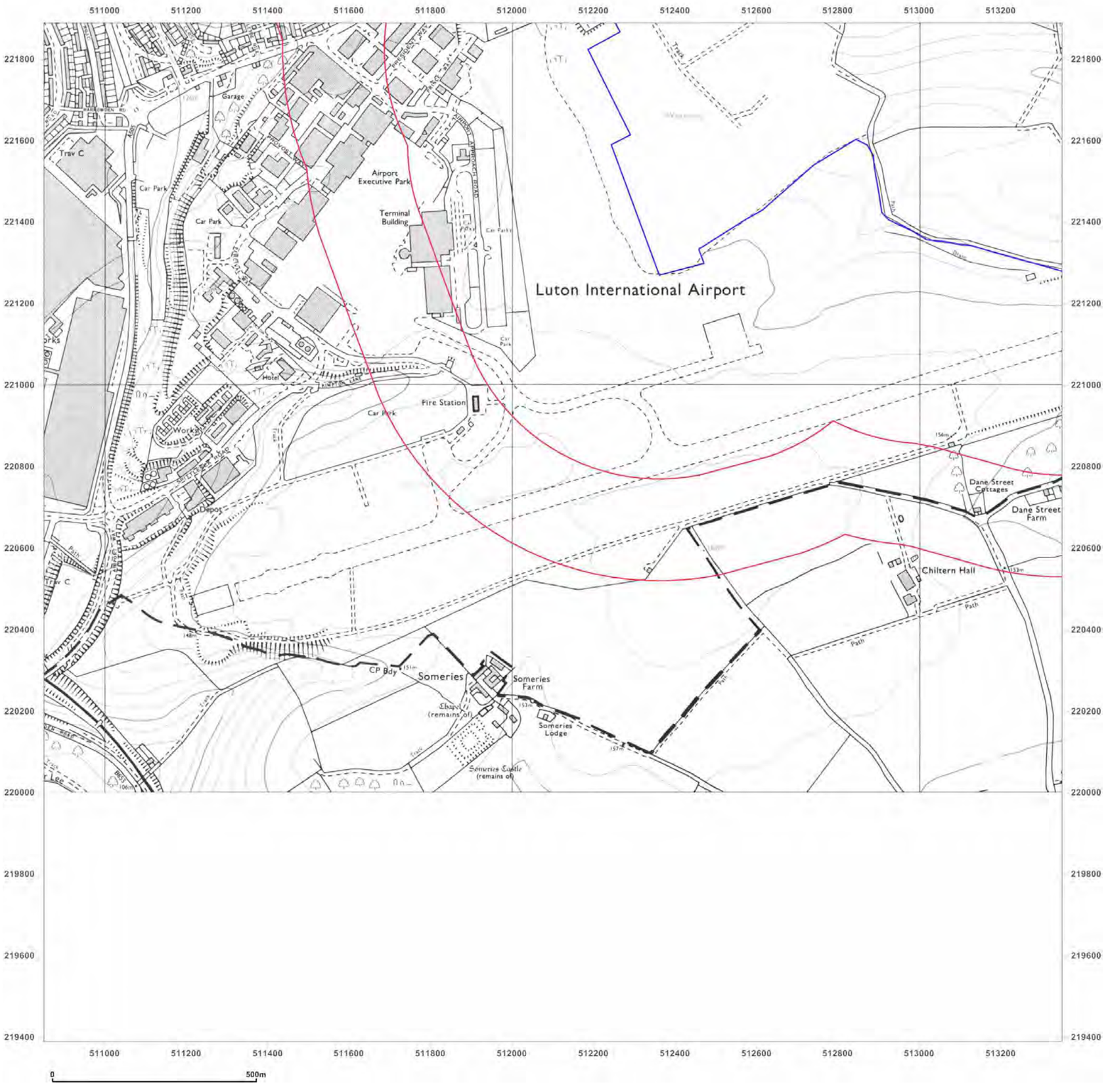
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

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

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T: 08444 159000
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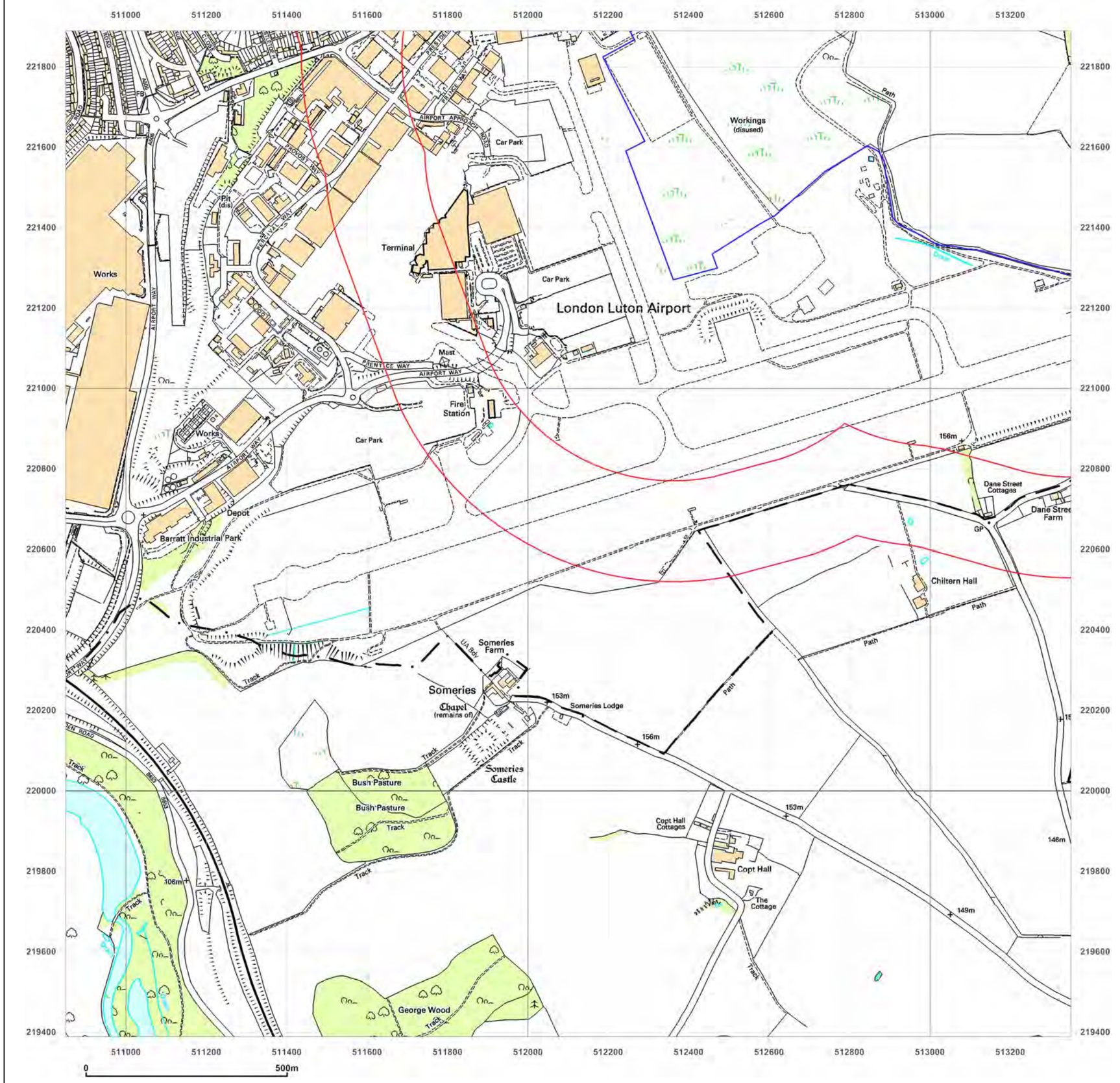
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: 1:10,000 Raster
Map date: **2002**
Scale: 1:10,000
Printed at: 1:10,000

N
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Powered by OS

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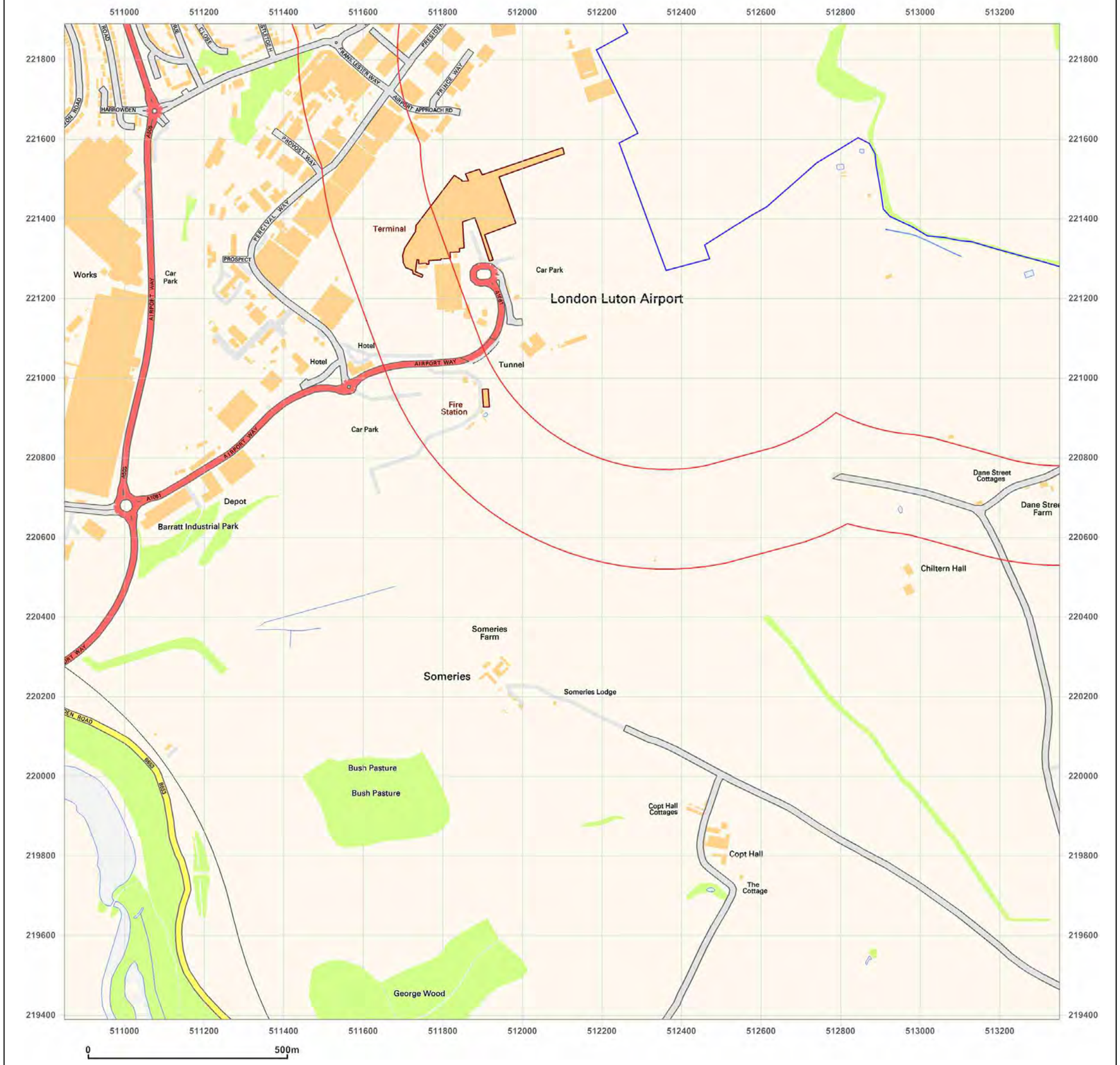
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

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Powered by OS

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T: 08444 159000
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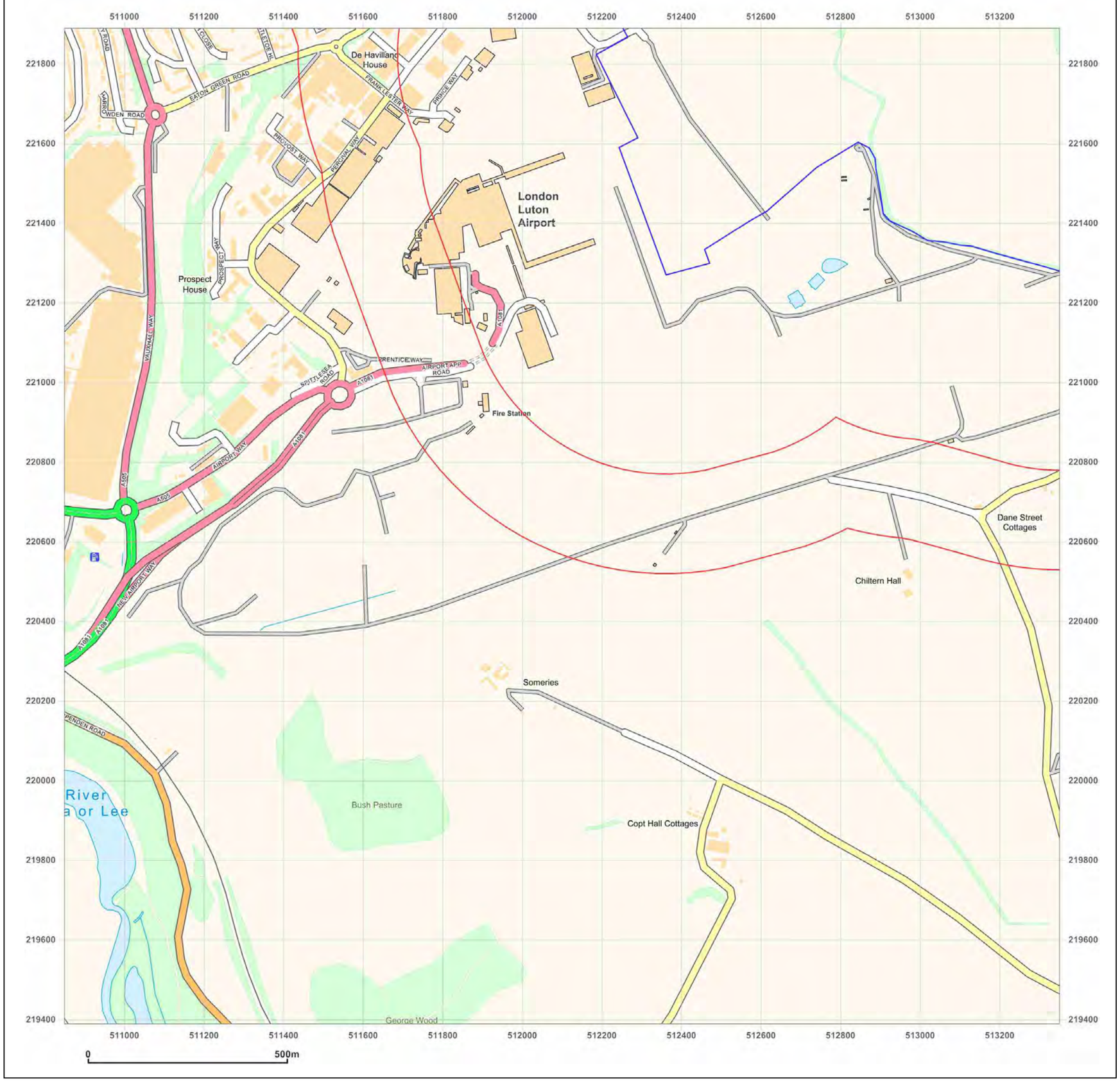
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_1
Grid Ref: 512100, 220639

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

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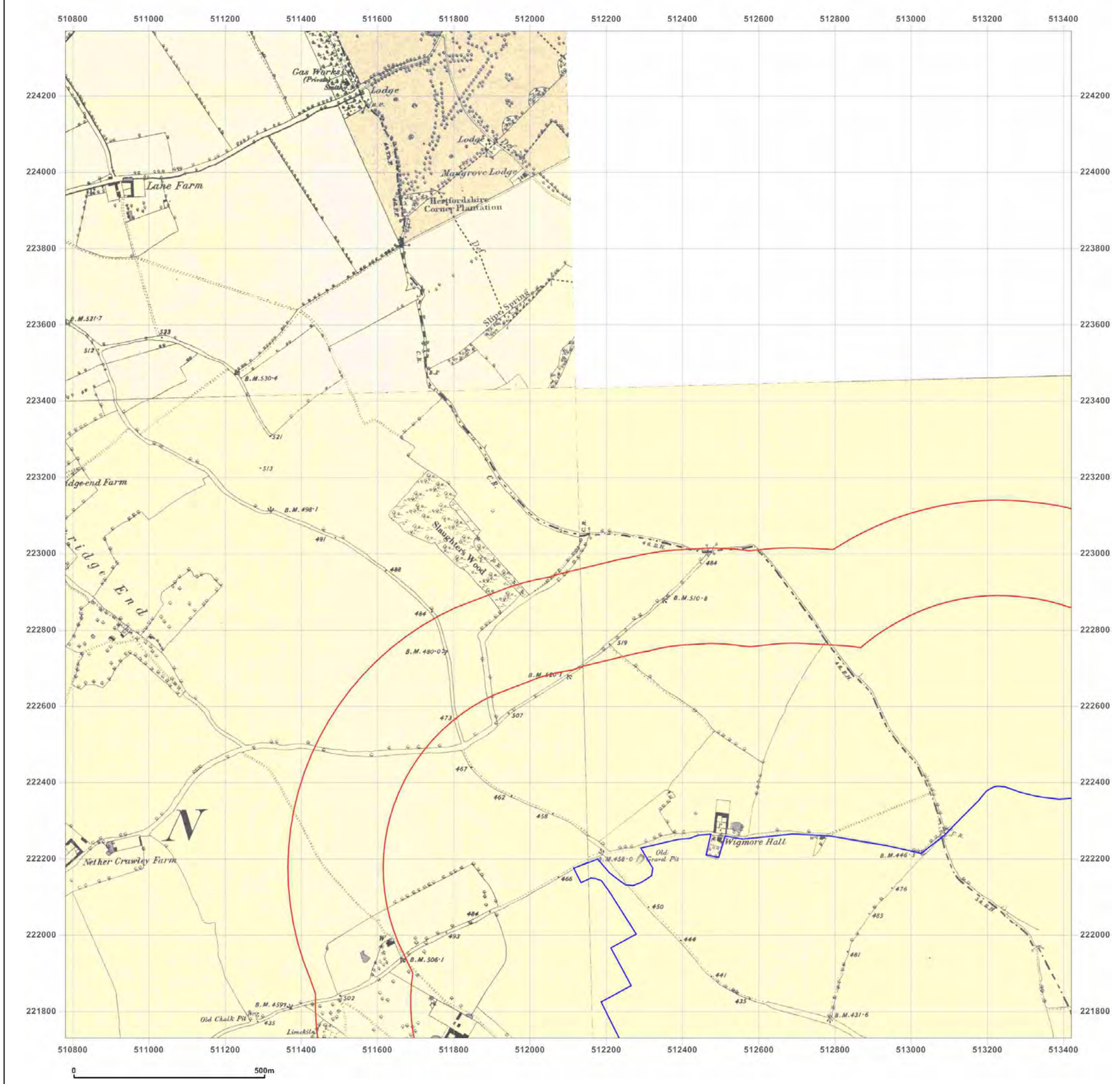
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1879-1880**

Scale: 1:10,560

Printed at: 1:10,560

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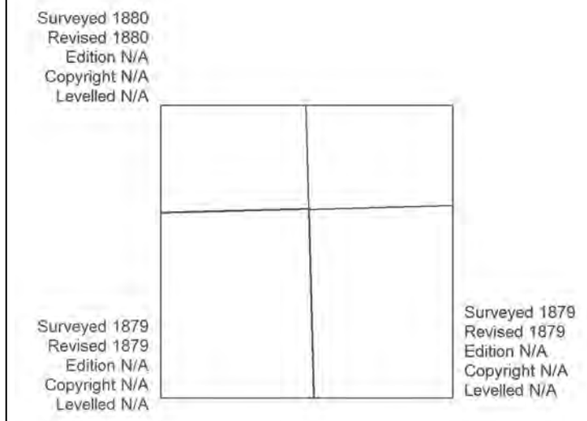

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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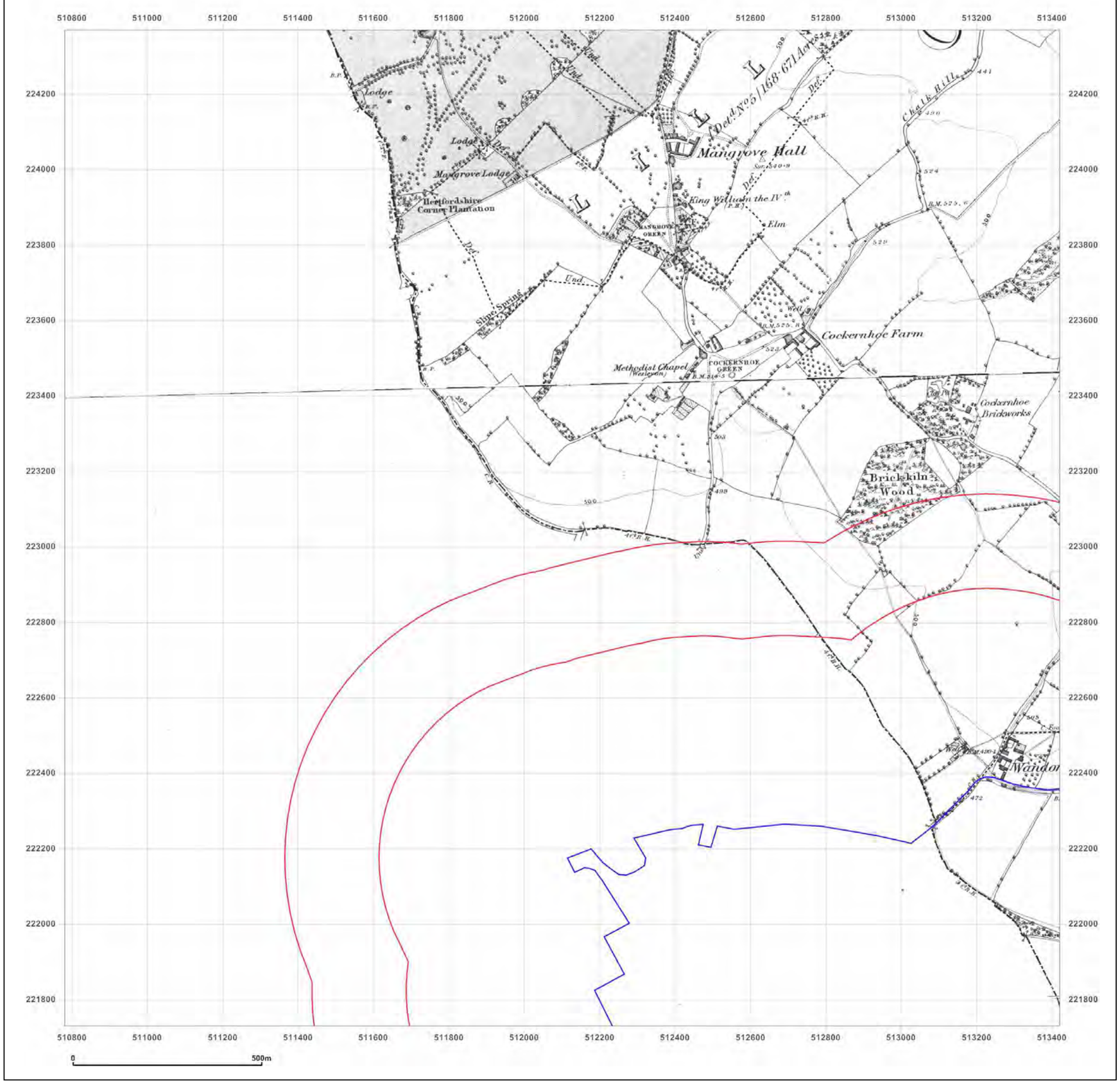

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1884**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1880
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A

Surveyed 1881
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A

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E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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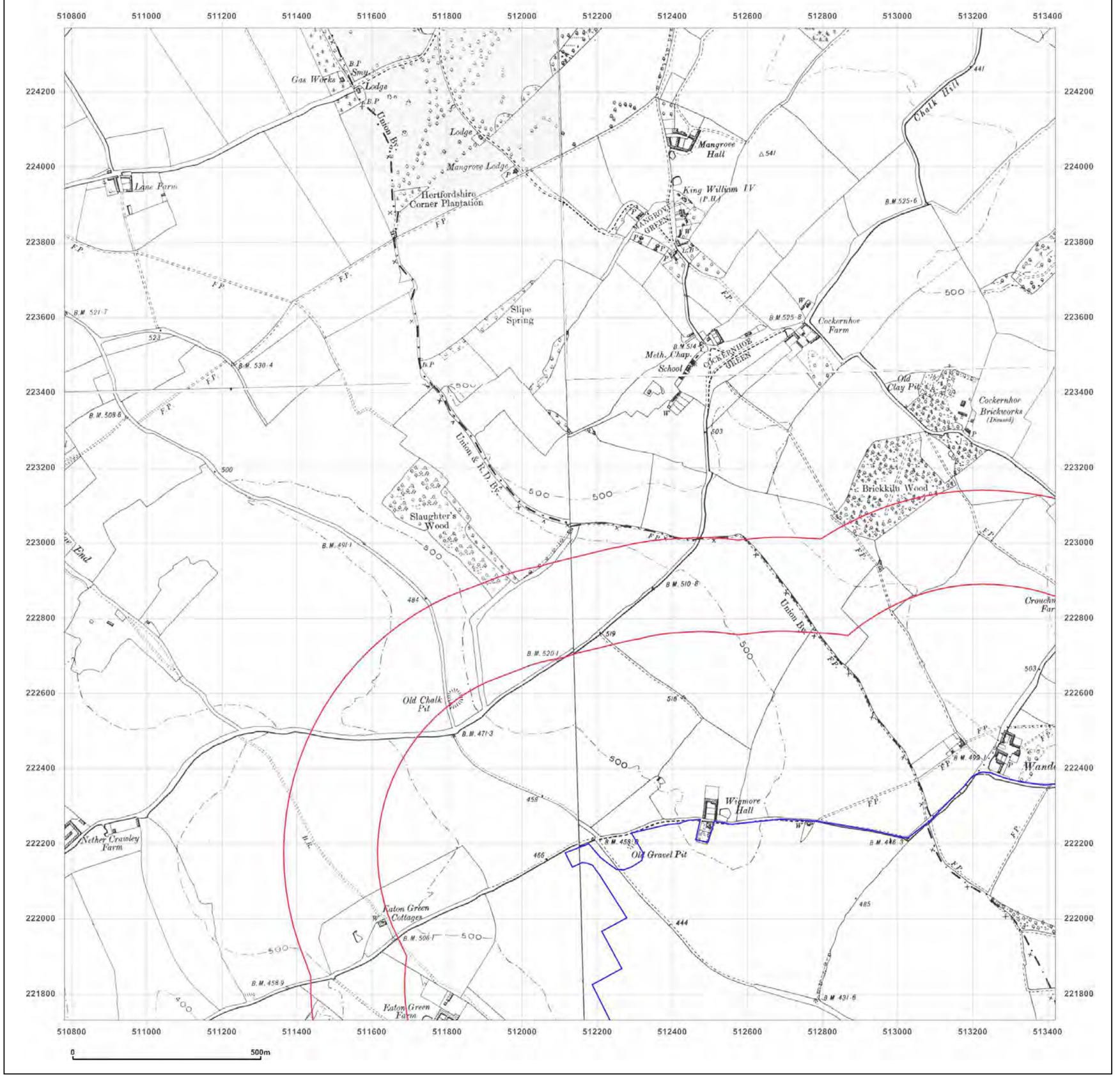

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1897-1900**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1880
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1880
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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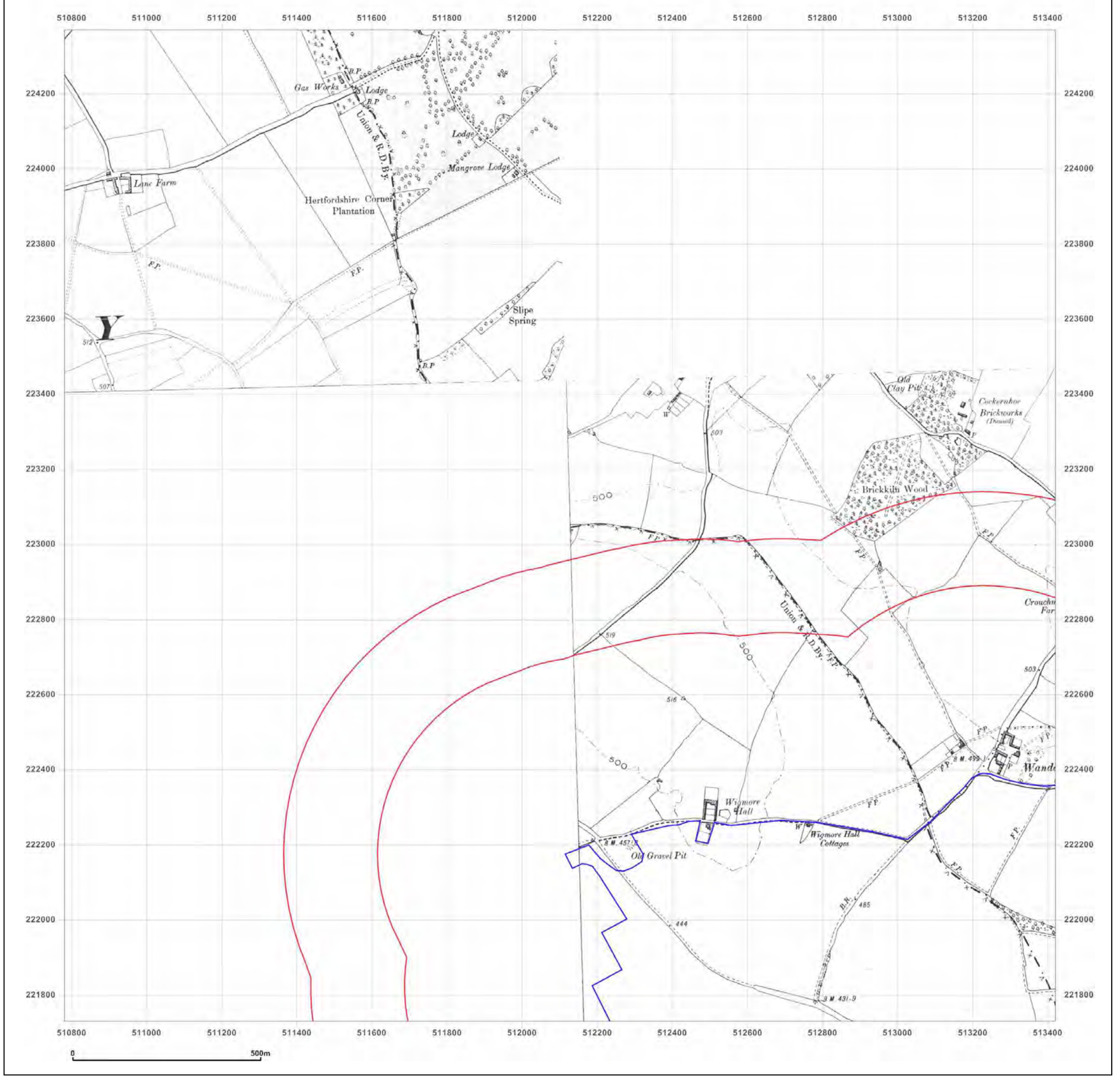
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1899-1900**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1878
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1880
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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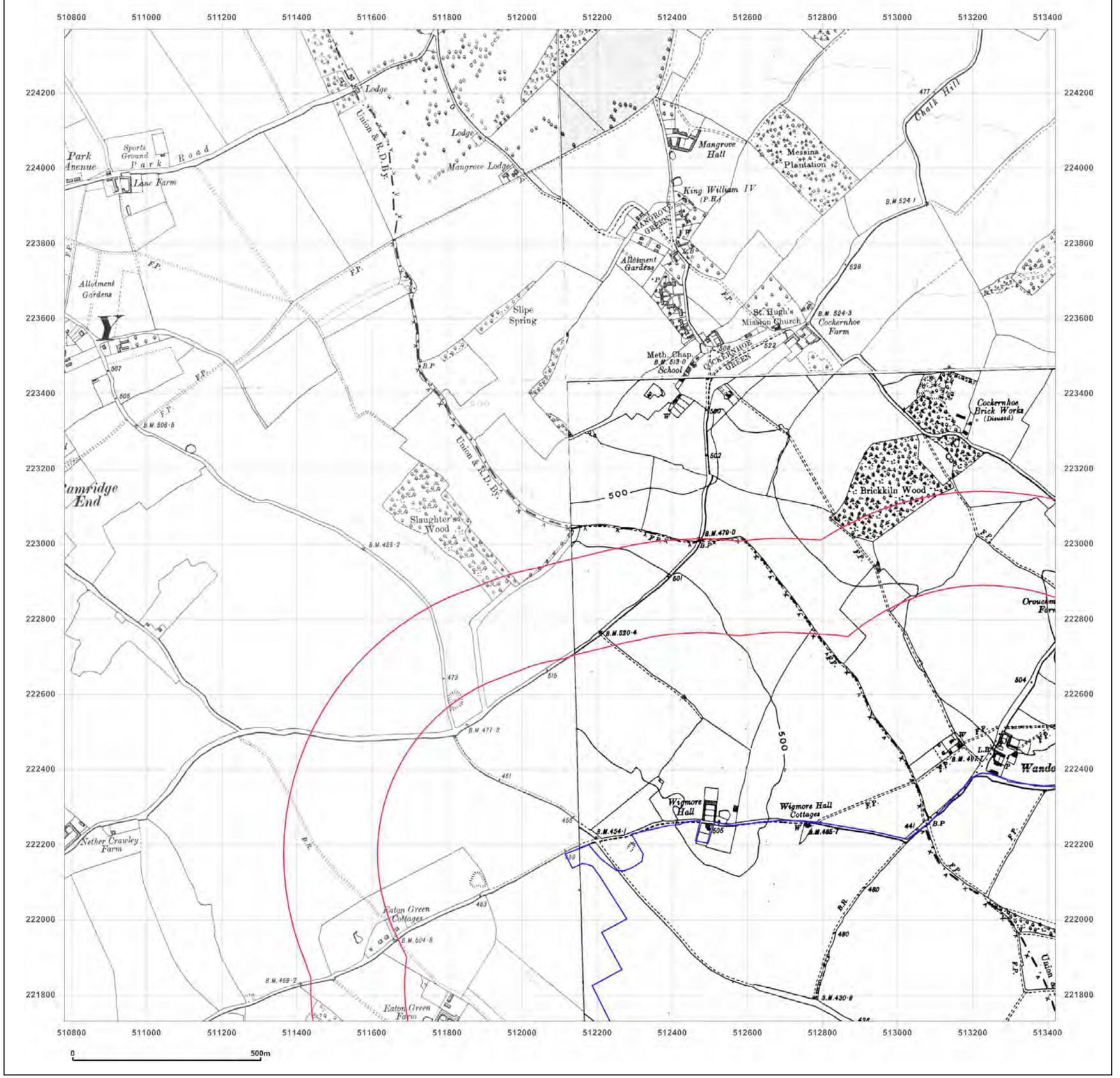

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1922-1925**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1878
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1879
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1879
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition 1925
Copyright N/A
Levelled N/A

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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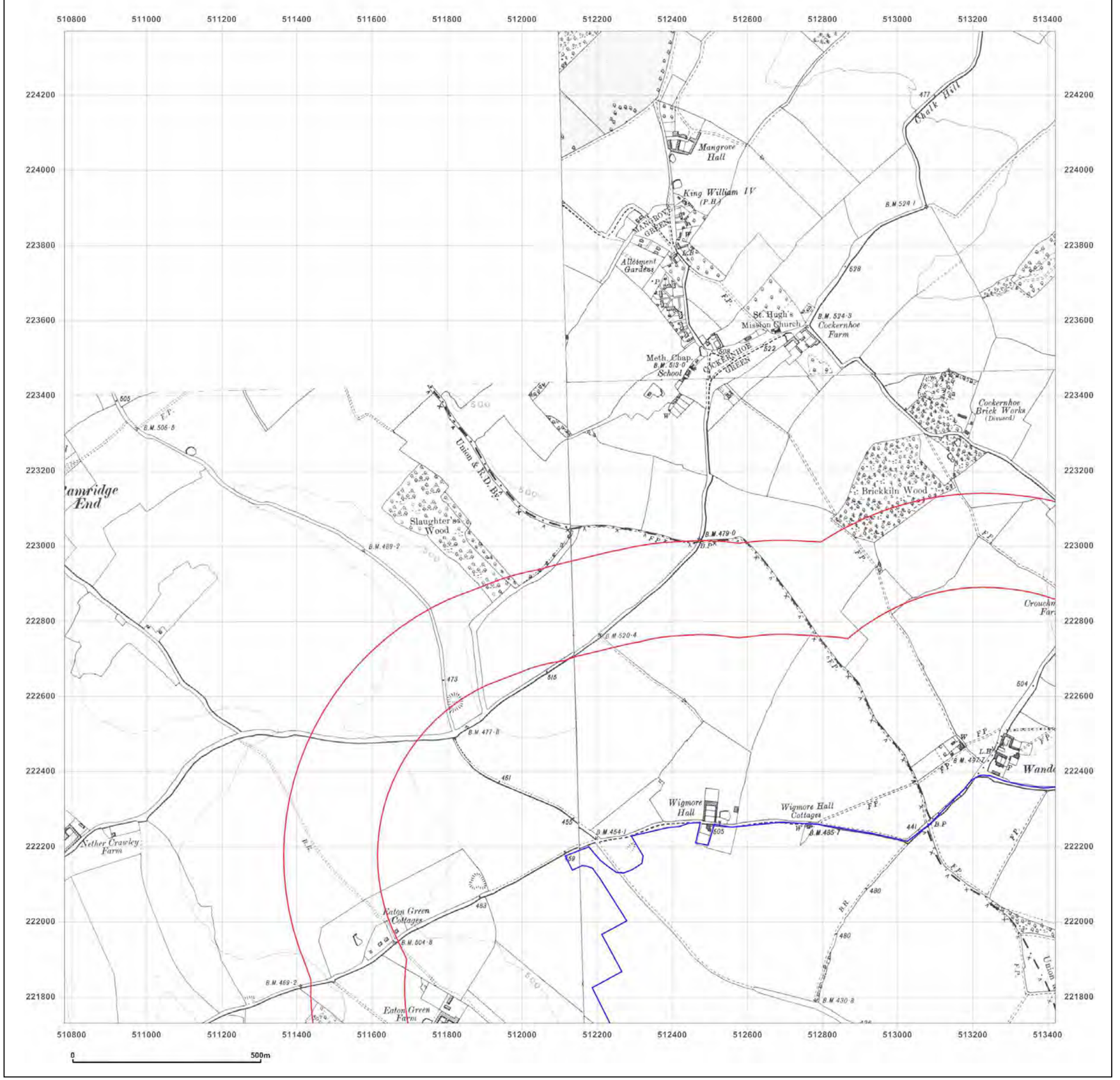

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1922-1925**

Scale: 1:10,560

Printed at: 1:10,560

N
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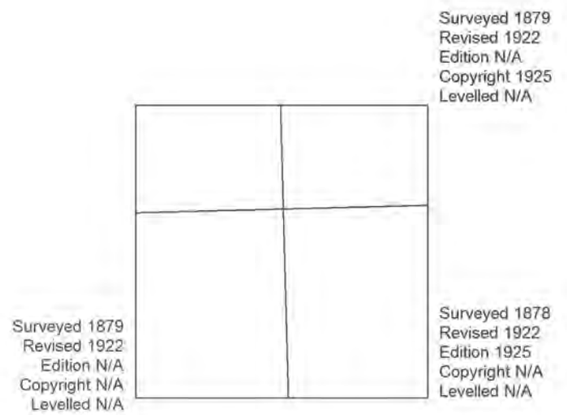
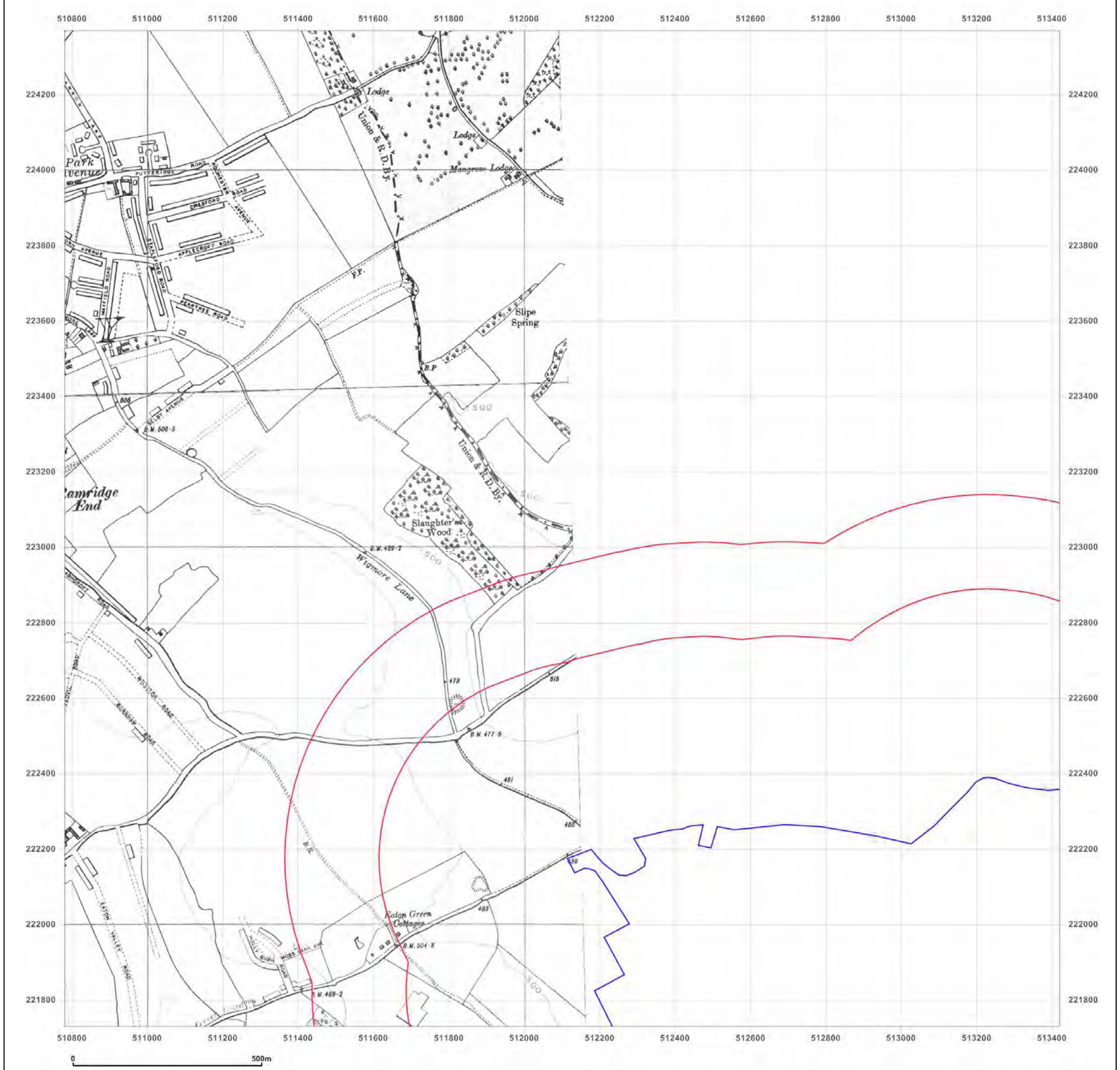


Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

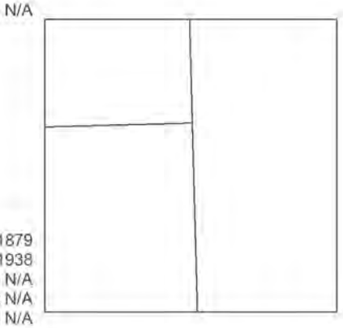
Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1878
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A



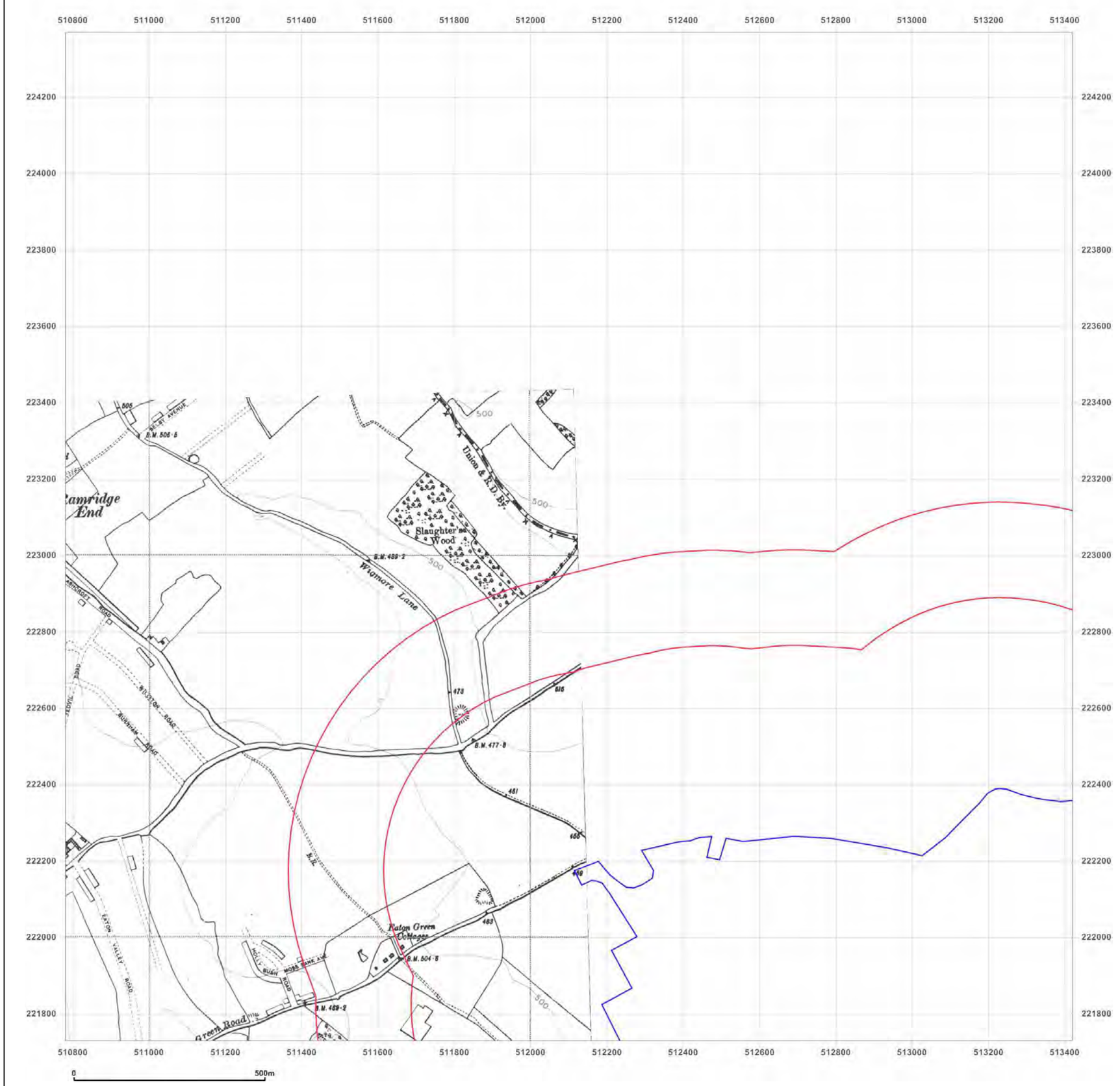
Surveyed 1879
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

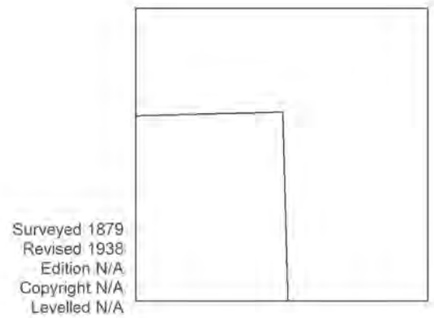
Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

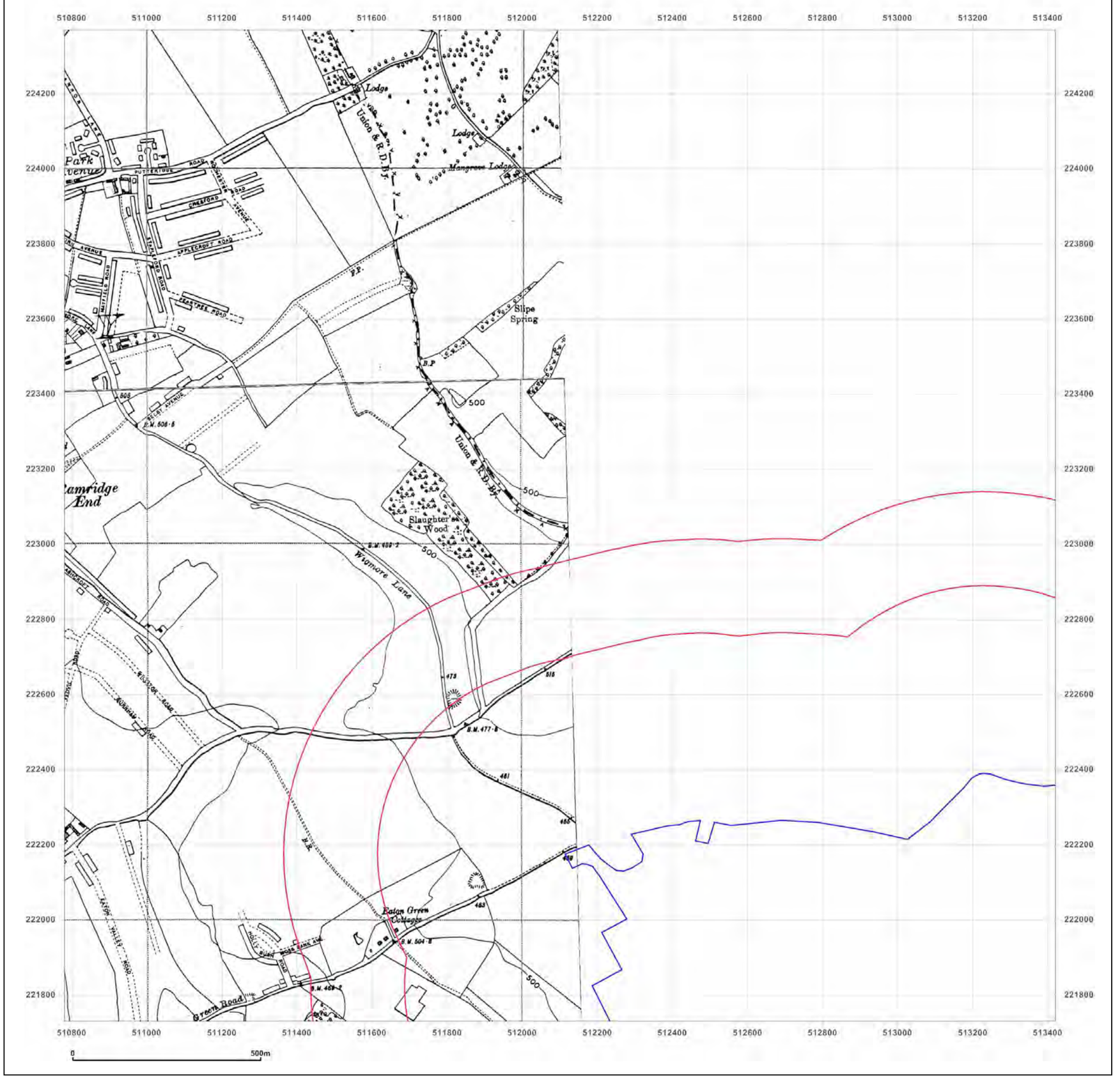


Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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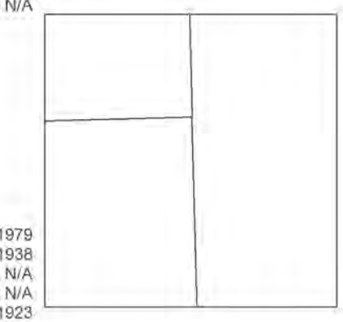
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



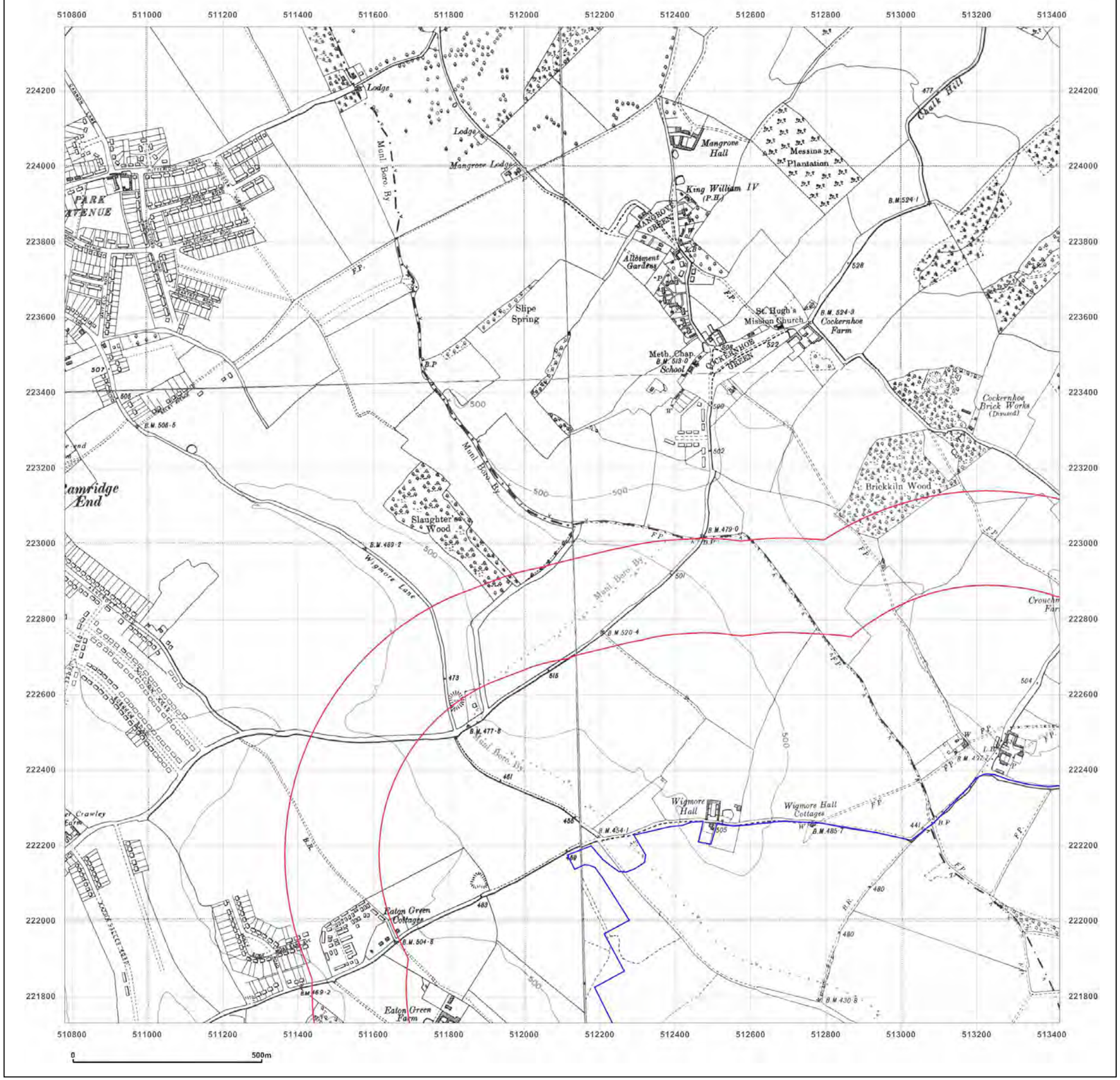
Surveyed 1979
Revised 1938
Edition N/A
Copyright N/A
Levelled 1923

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1878
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1879
Revised 1947
Edition N/A
Copyright N/A
Levelled 1922

Surveyed 1879
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

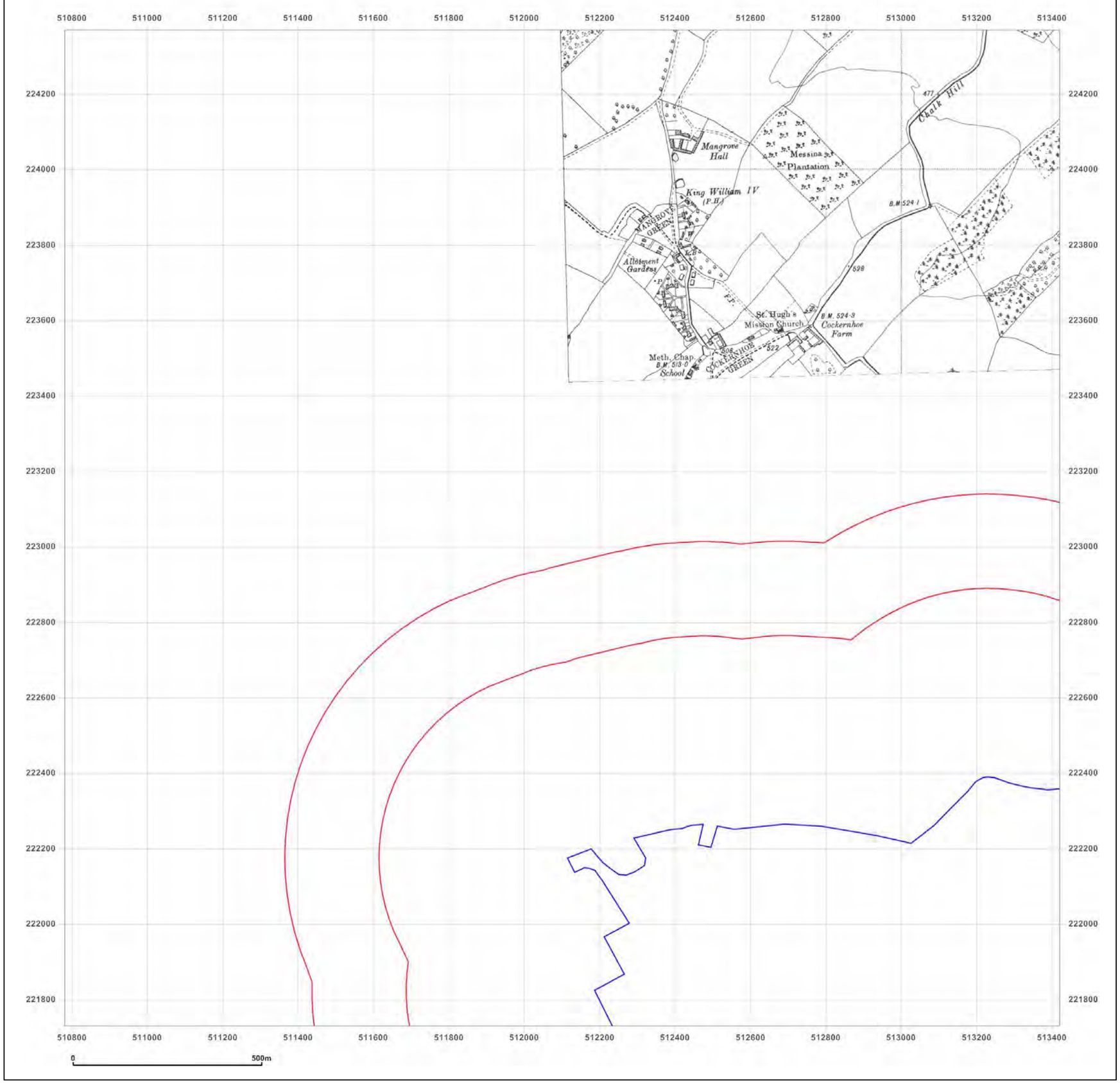
Surveyed 1878
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
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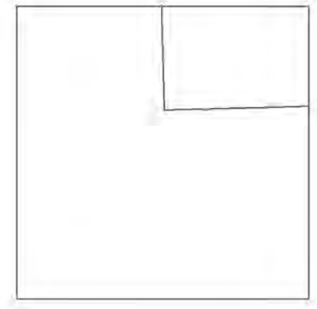
Surveyed 1879
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

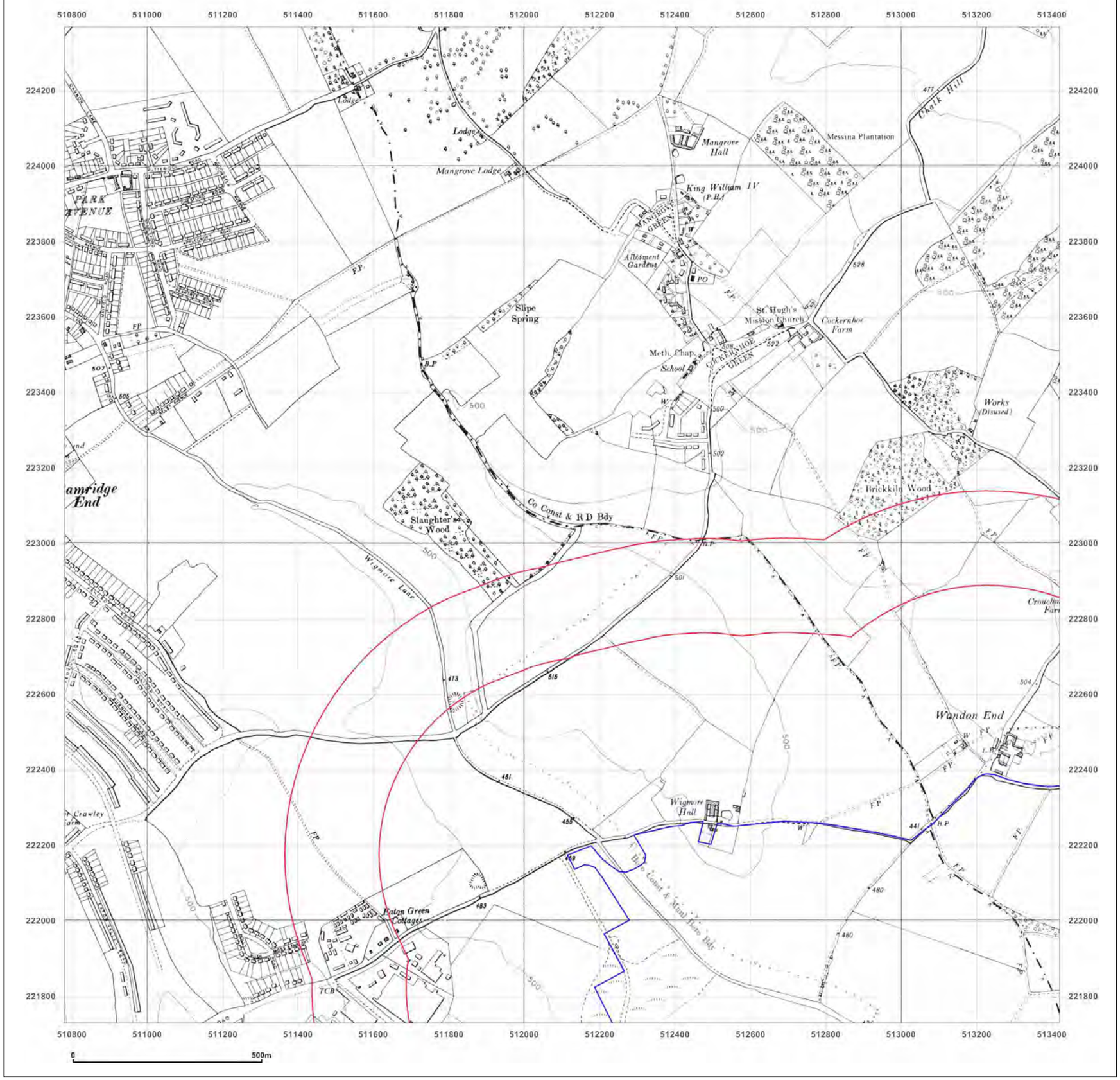


Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: Provisional

Map date: **1960**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

Powered by

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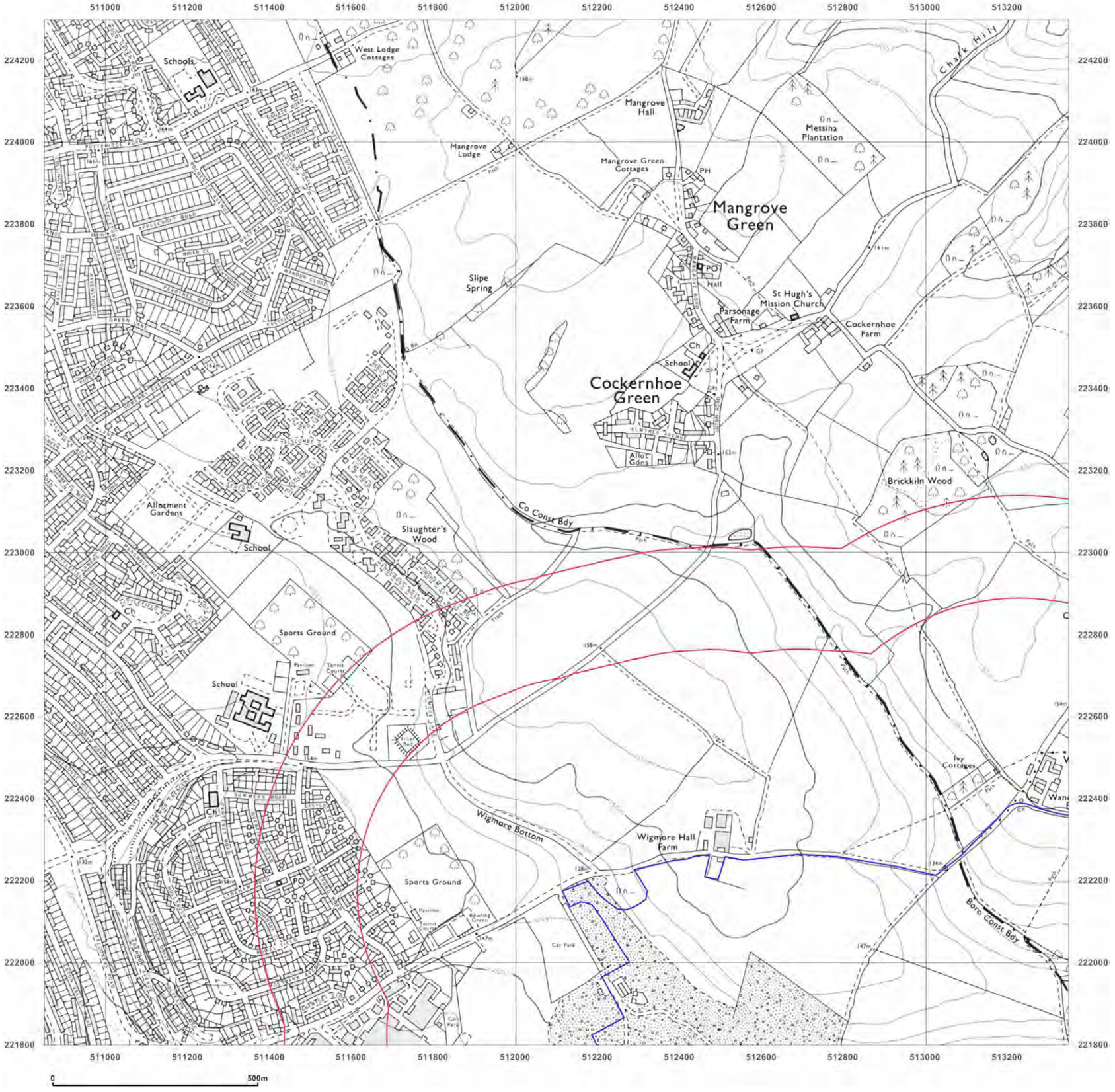
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: National Grid

Map date: **1975**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1973
Revised 1975
Edition N/A
Copyright 1975
Levelled 1973

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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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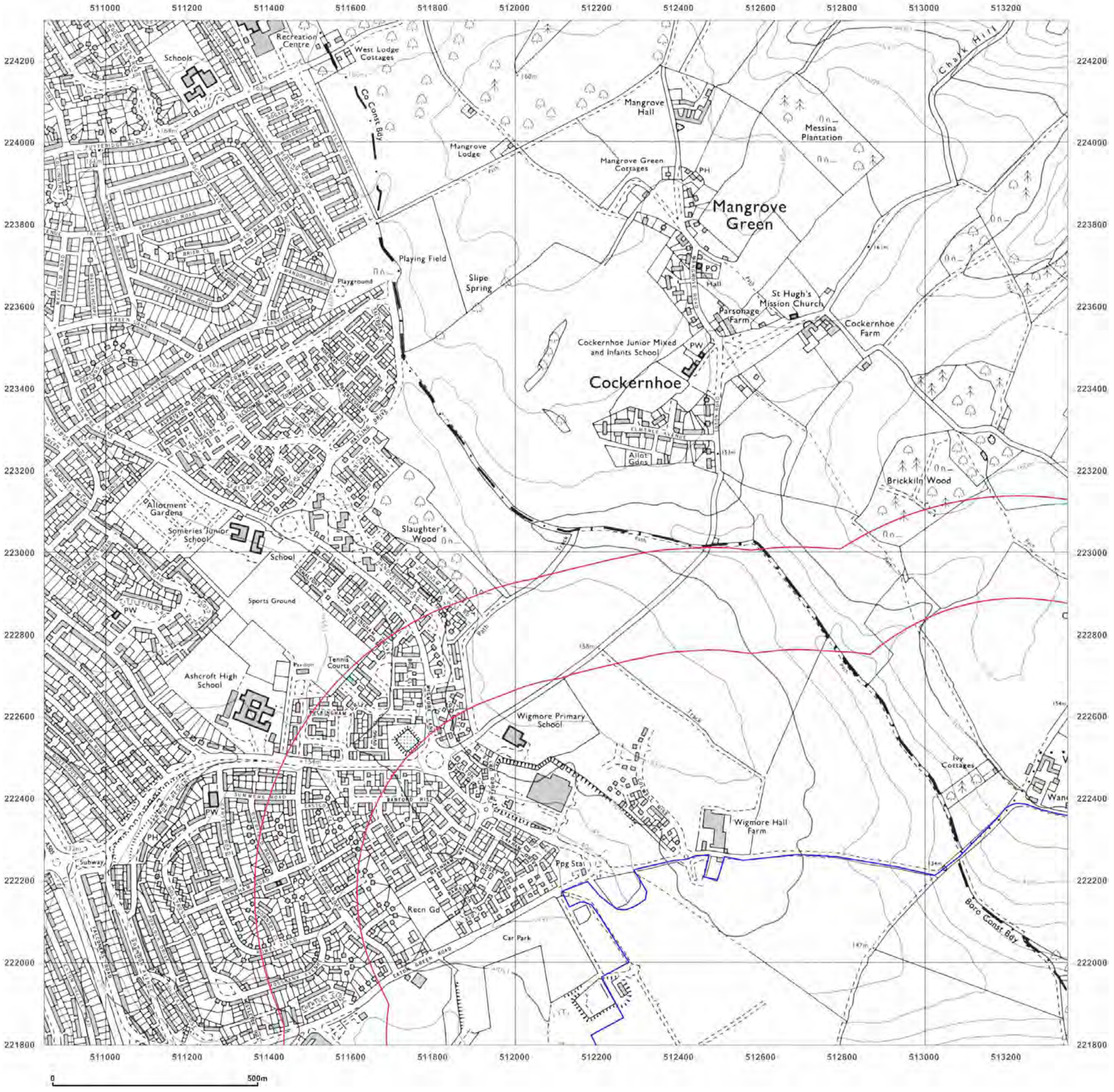

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: National Grid

Map date: **1985**

Scale: 1:10,000

Printed at: 1:10,000

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

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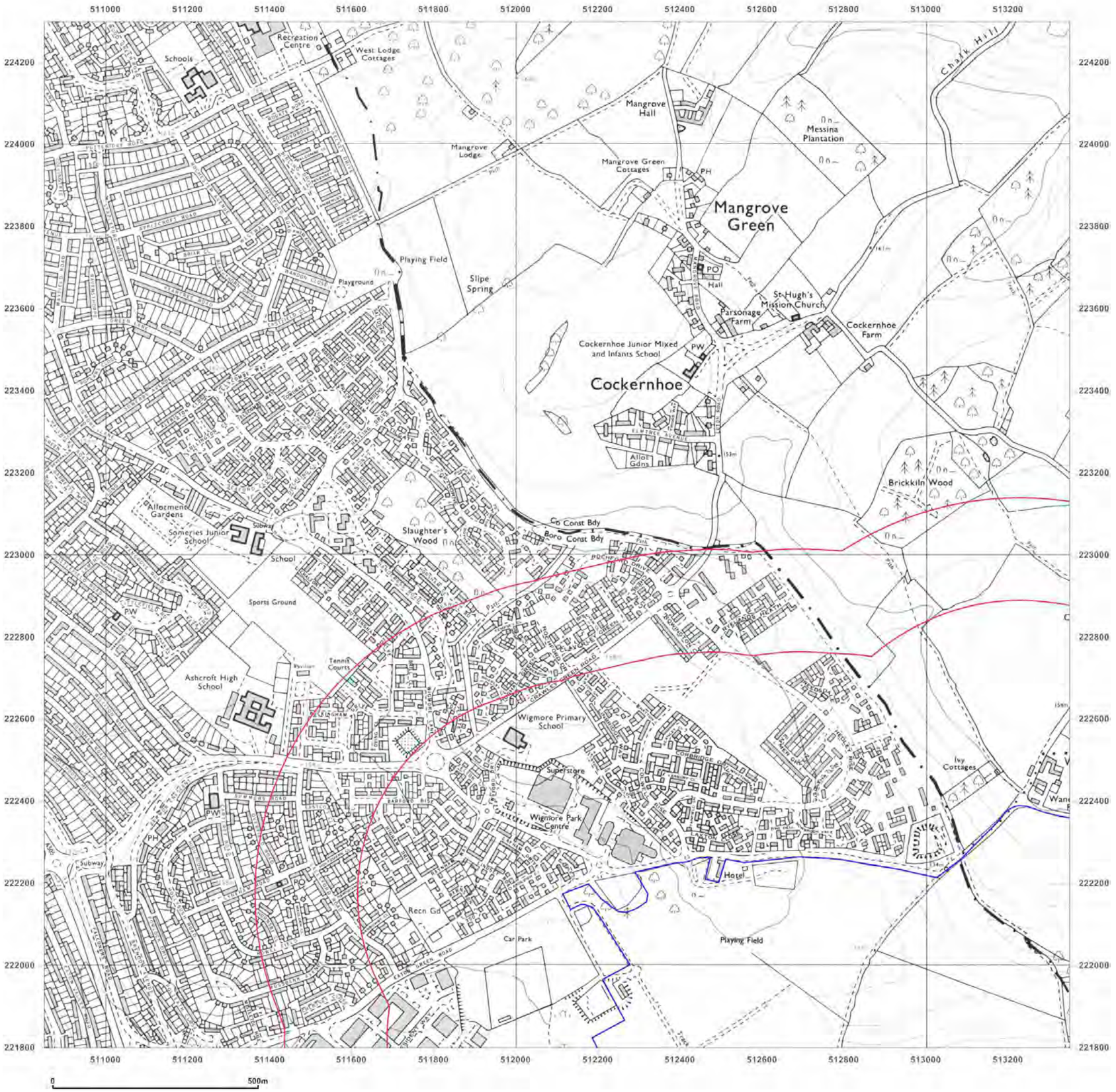
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

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

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T: 08444 159000
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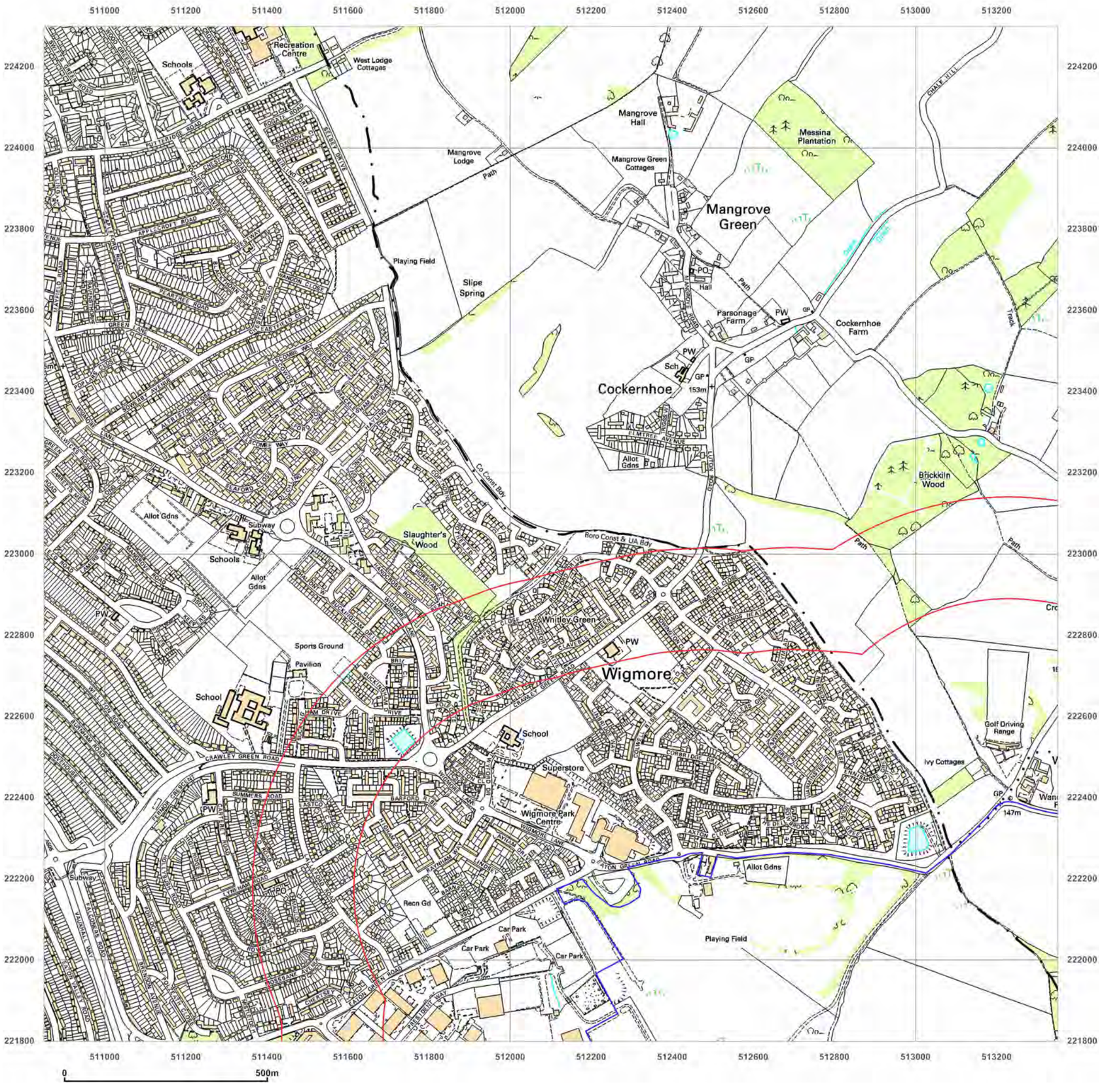
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

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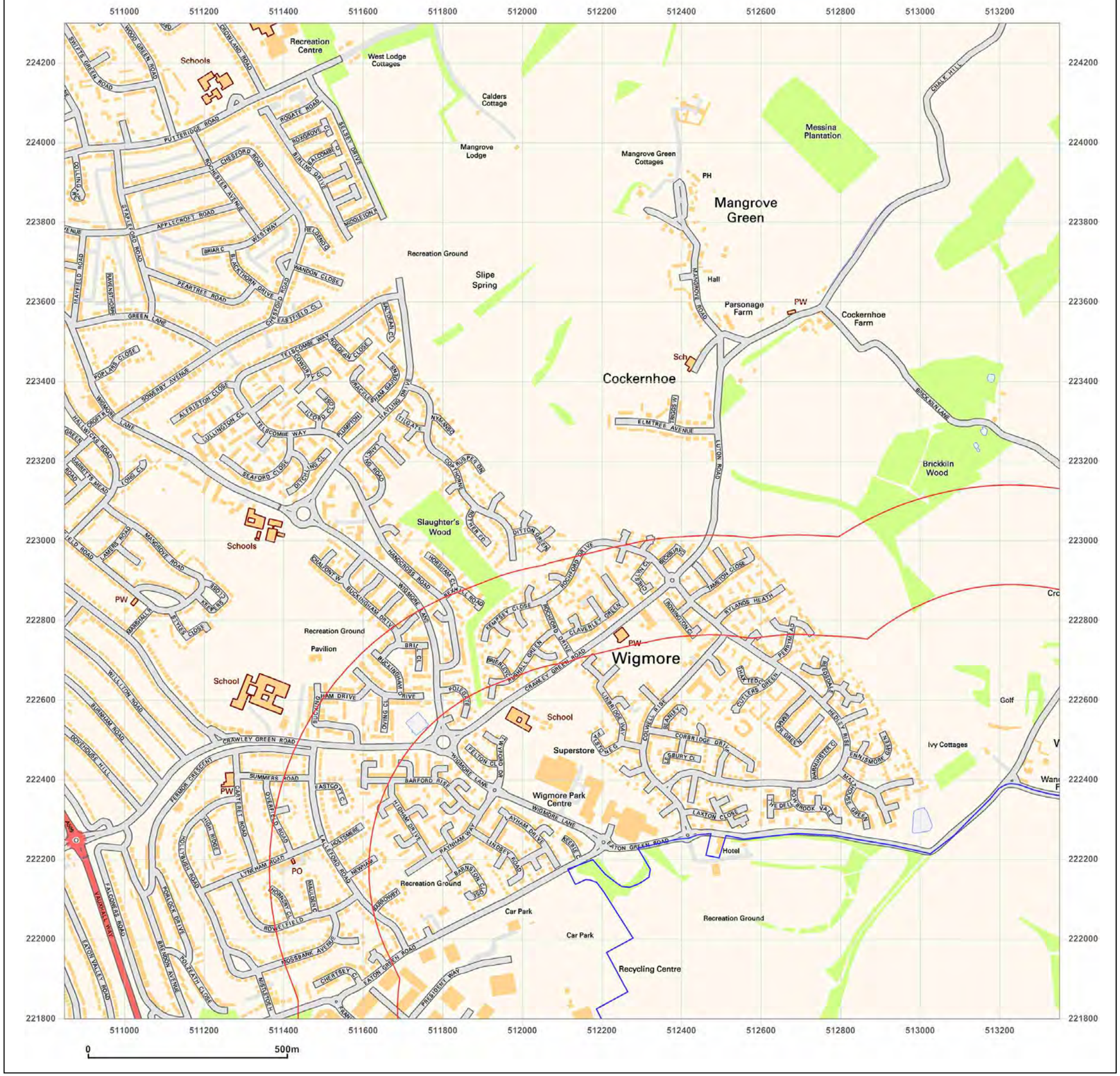
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

N
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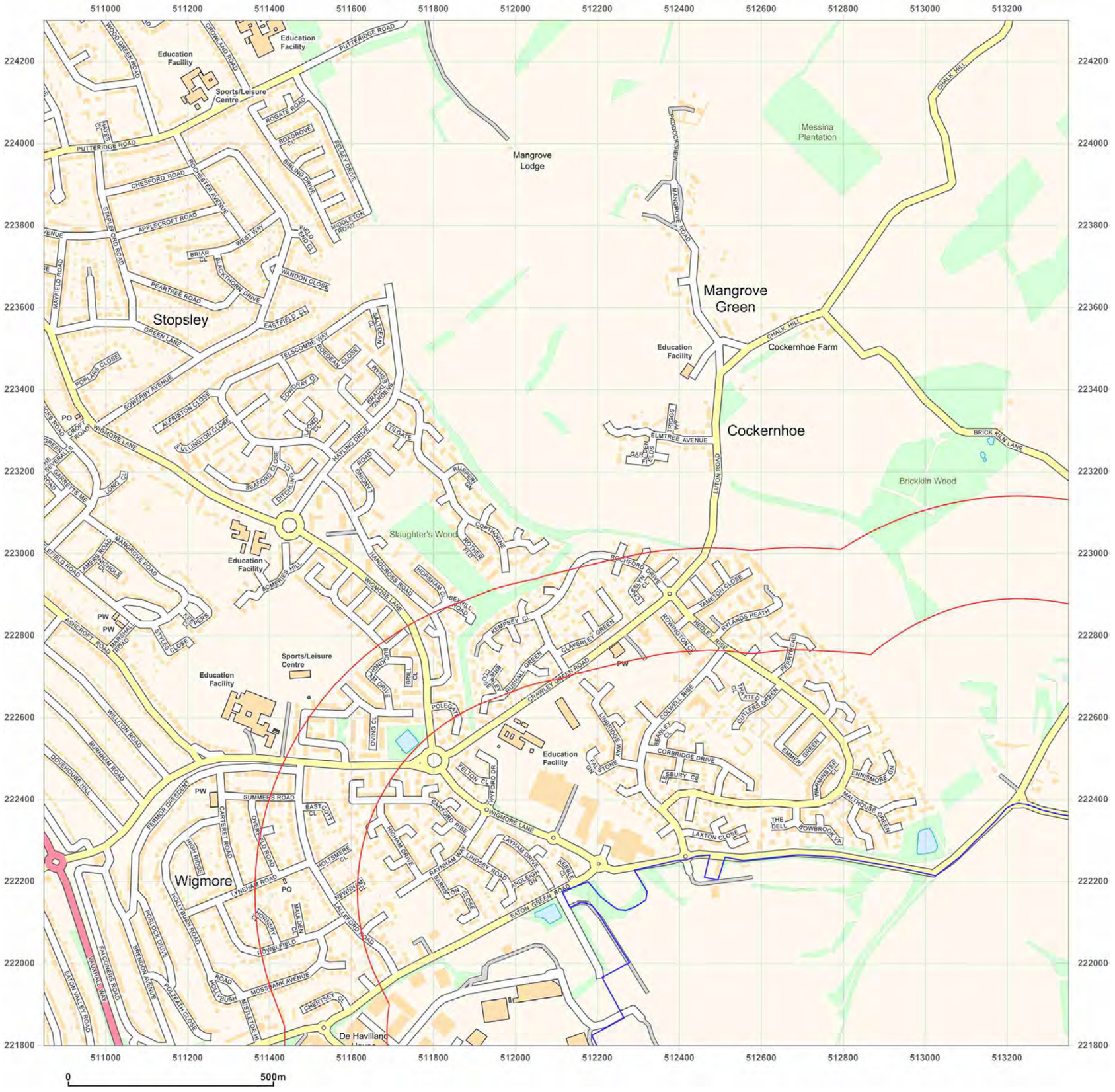
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_1_2
Grid Ref: 512100, 223049

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

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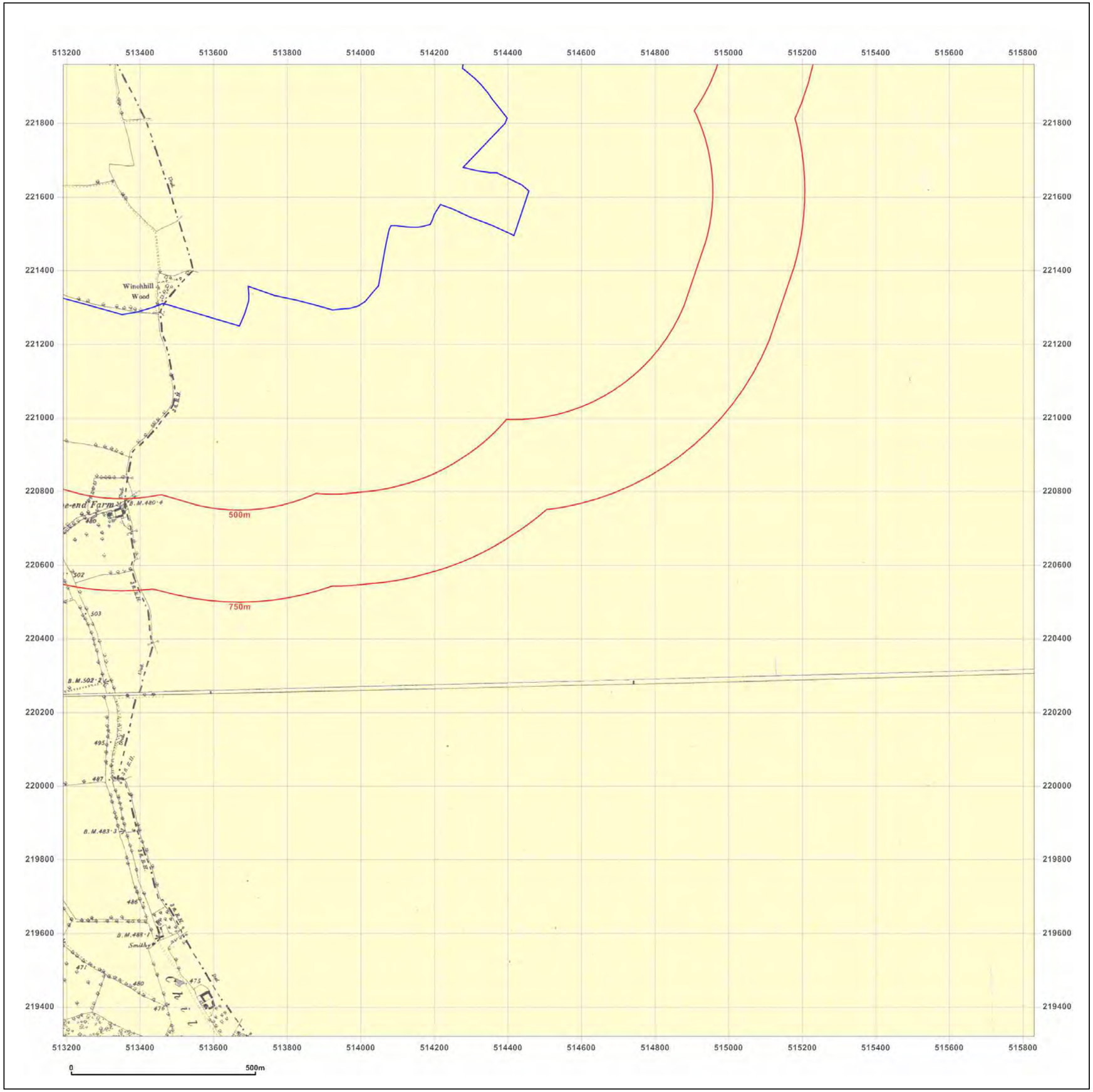
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1879**

Scale: 1:10,560

Printed at: 1:10,560

N
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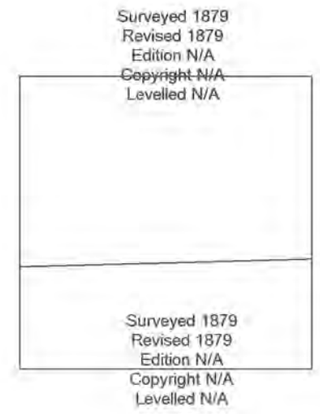

Powered by

Produced by
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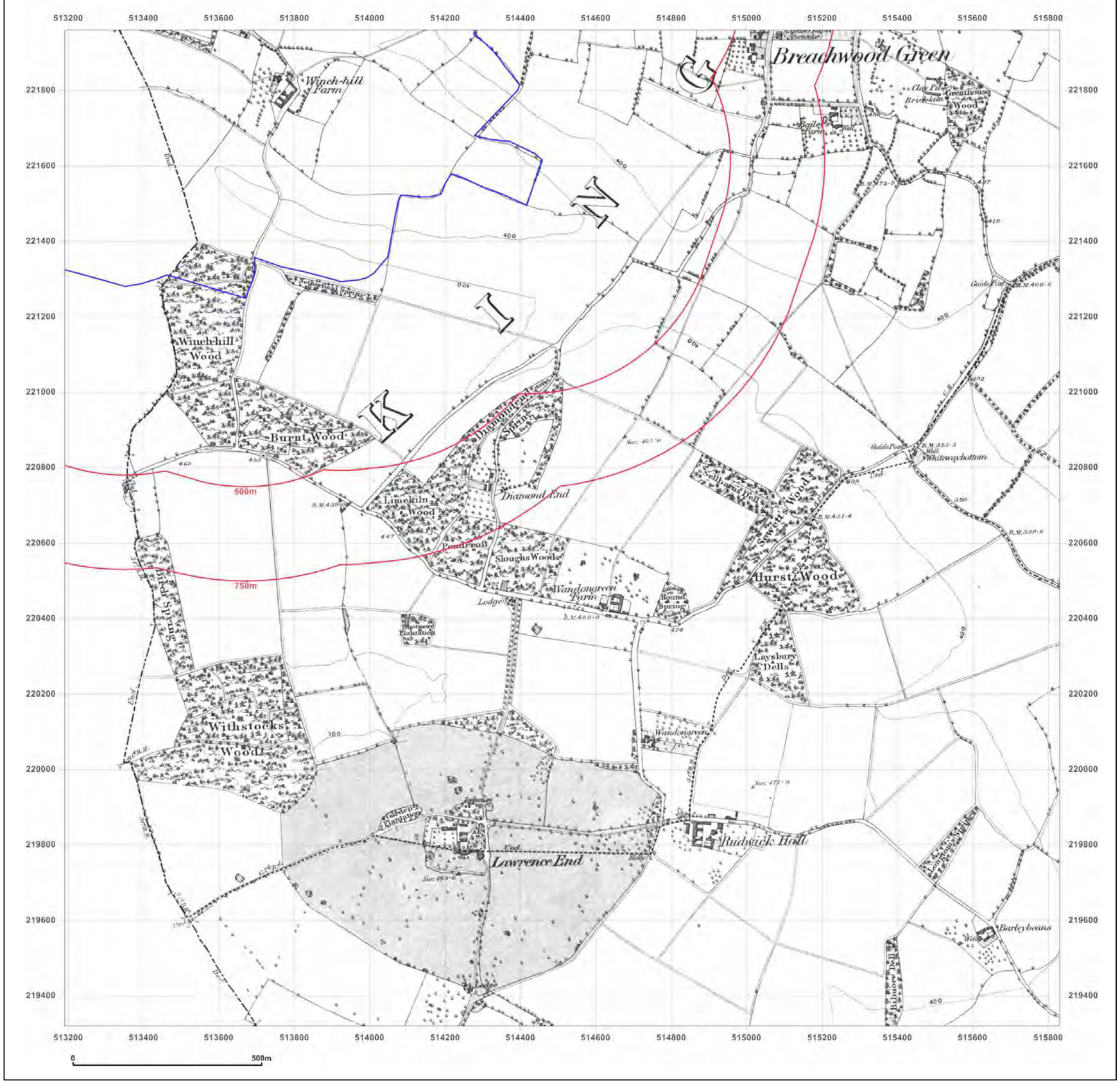
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1884**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1881
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A

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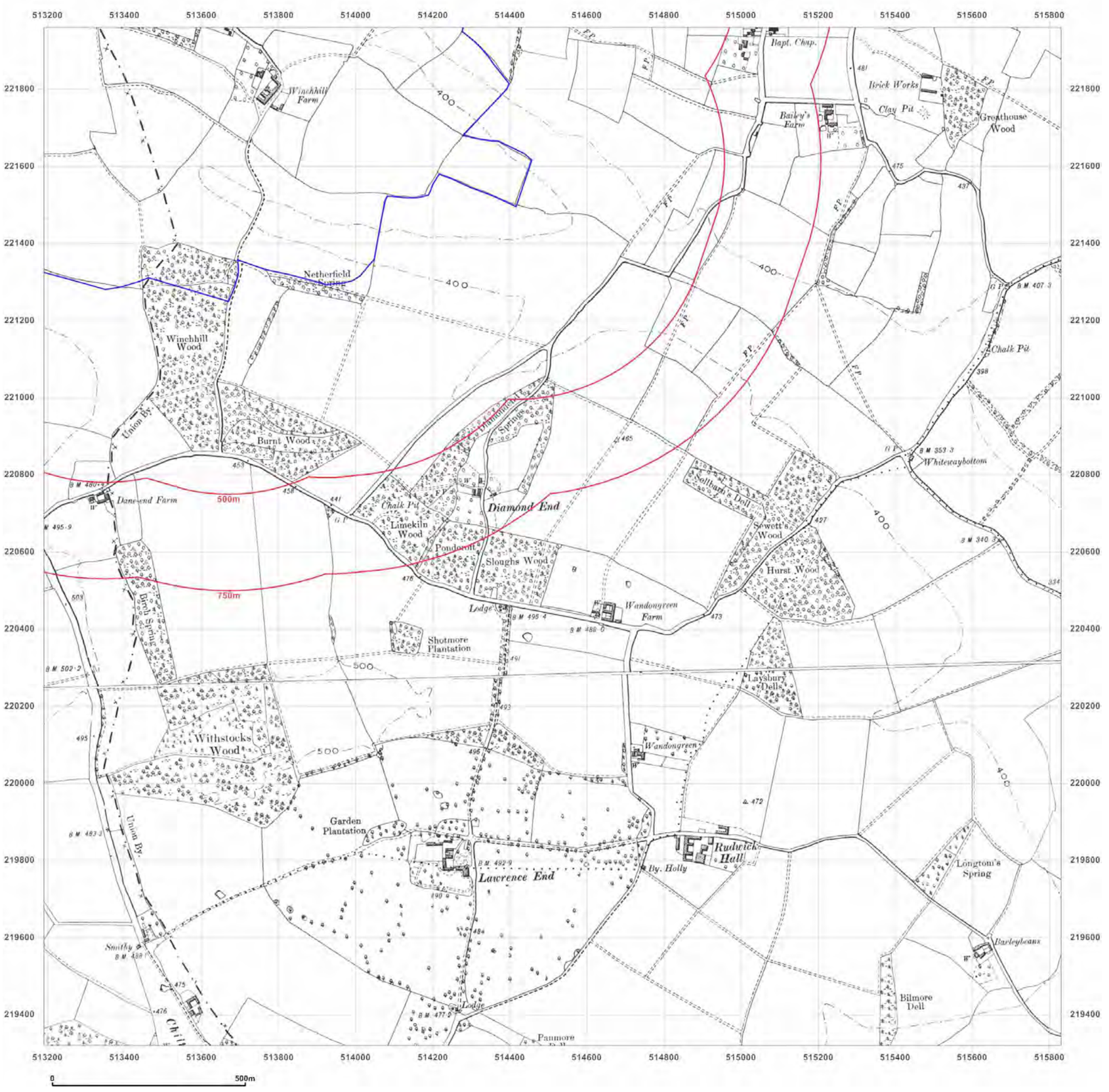
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1899**

Scale: 1:10,560

Printed at: 1:10,560

N
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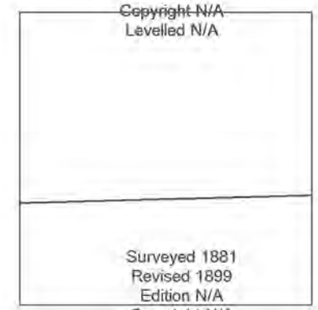
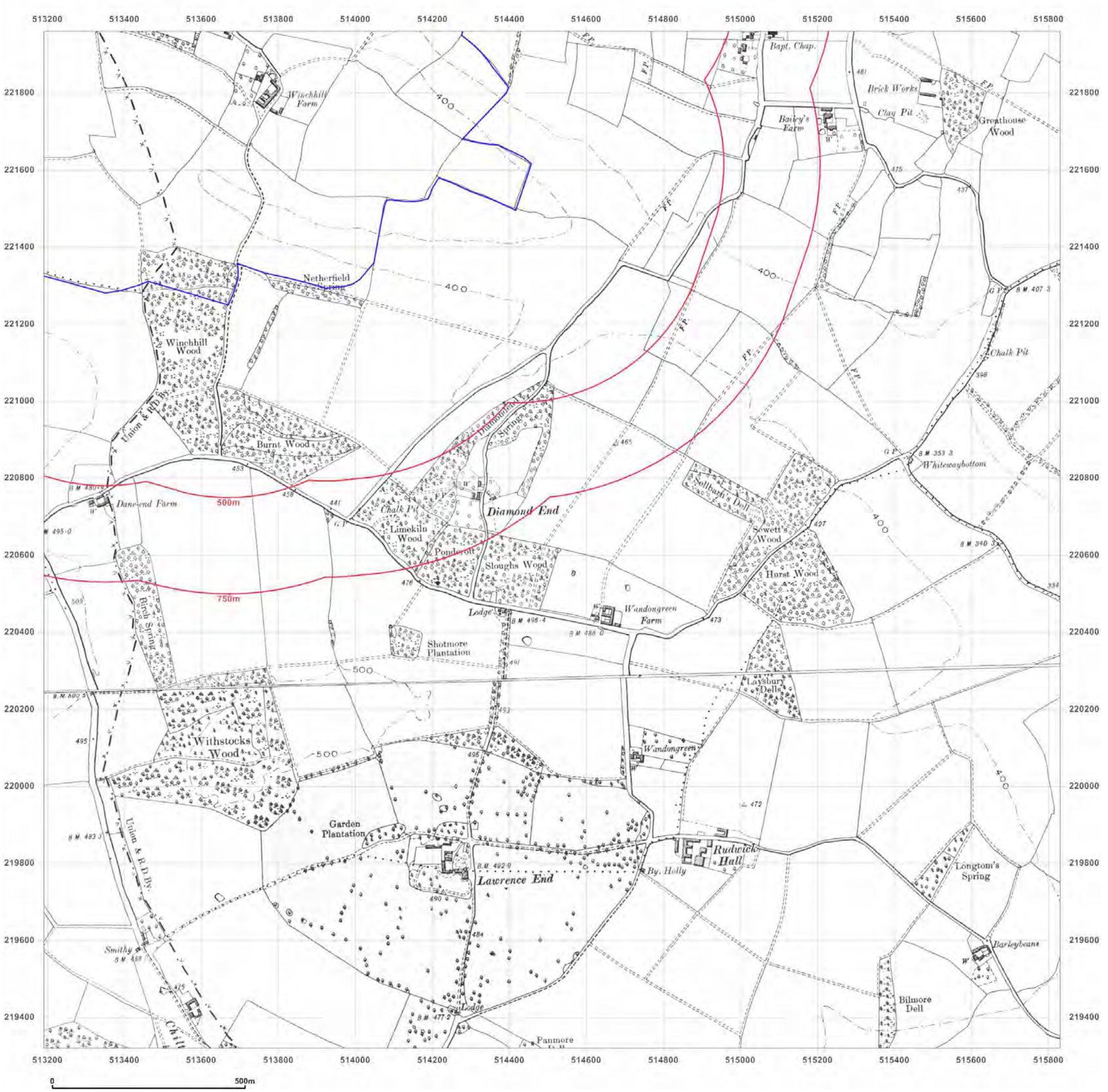


Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1899**

Scale: 1:10,560

Printed at: 1:10,560

N
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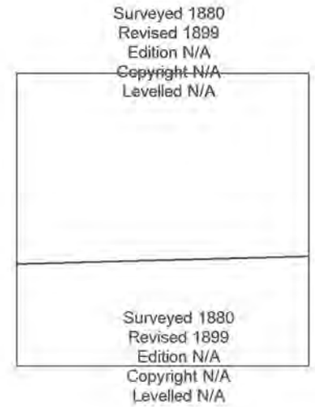

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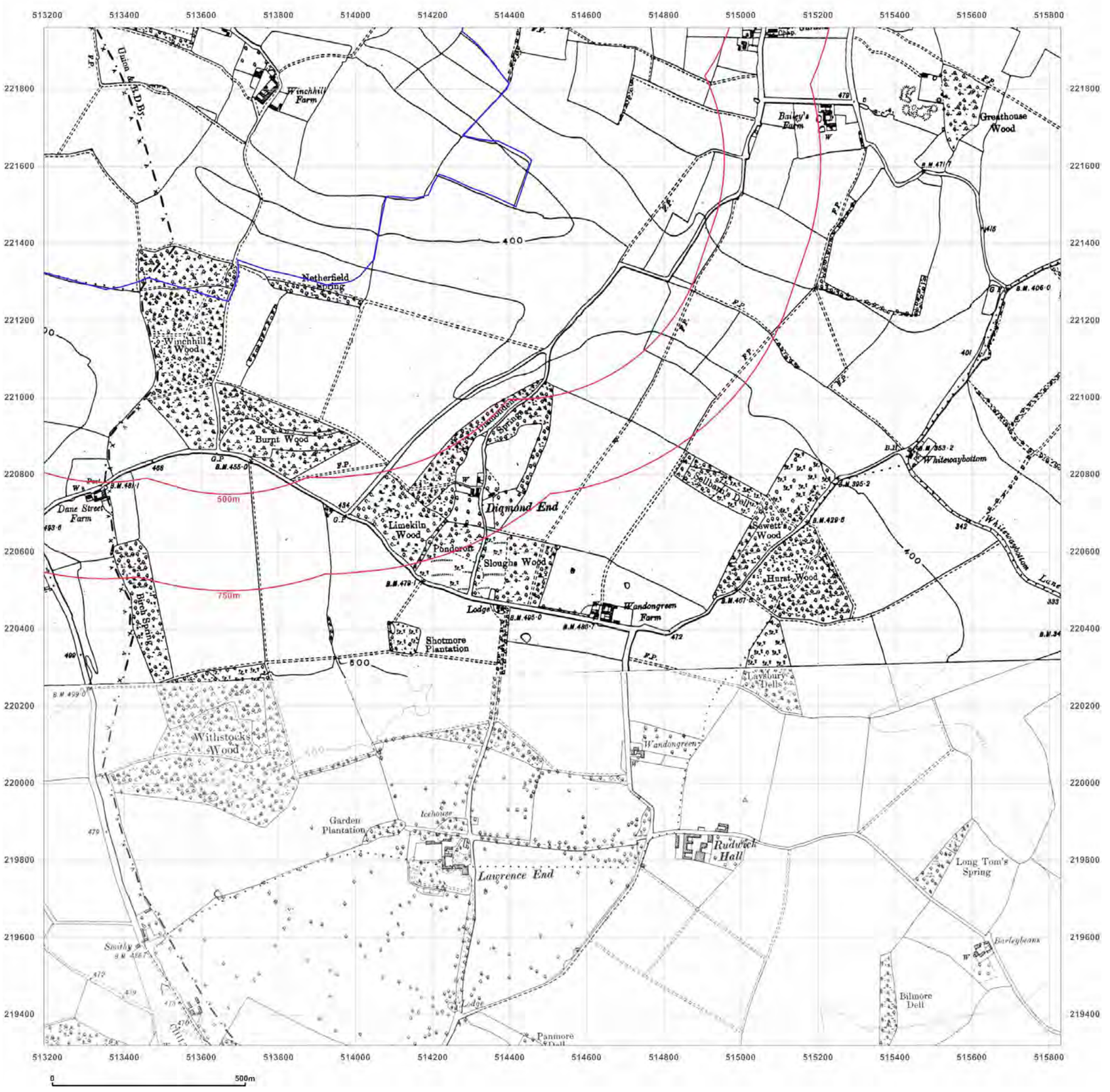
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1922-1925**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised N/A
Edition 1925
Copyright N/A
Levelled N/A

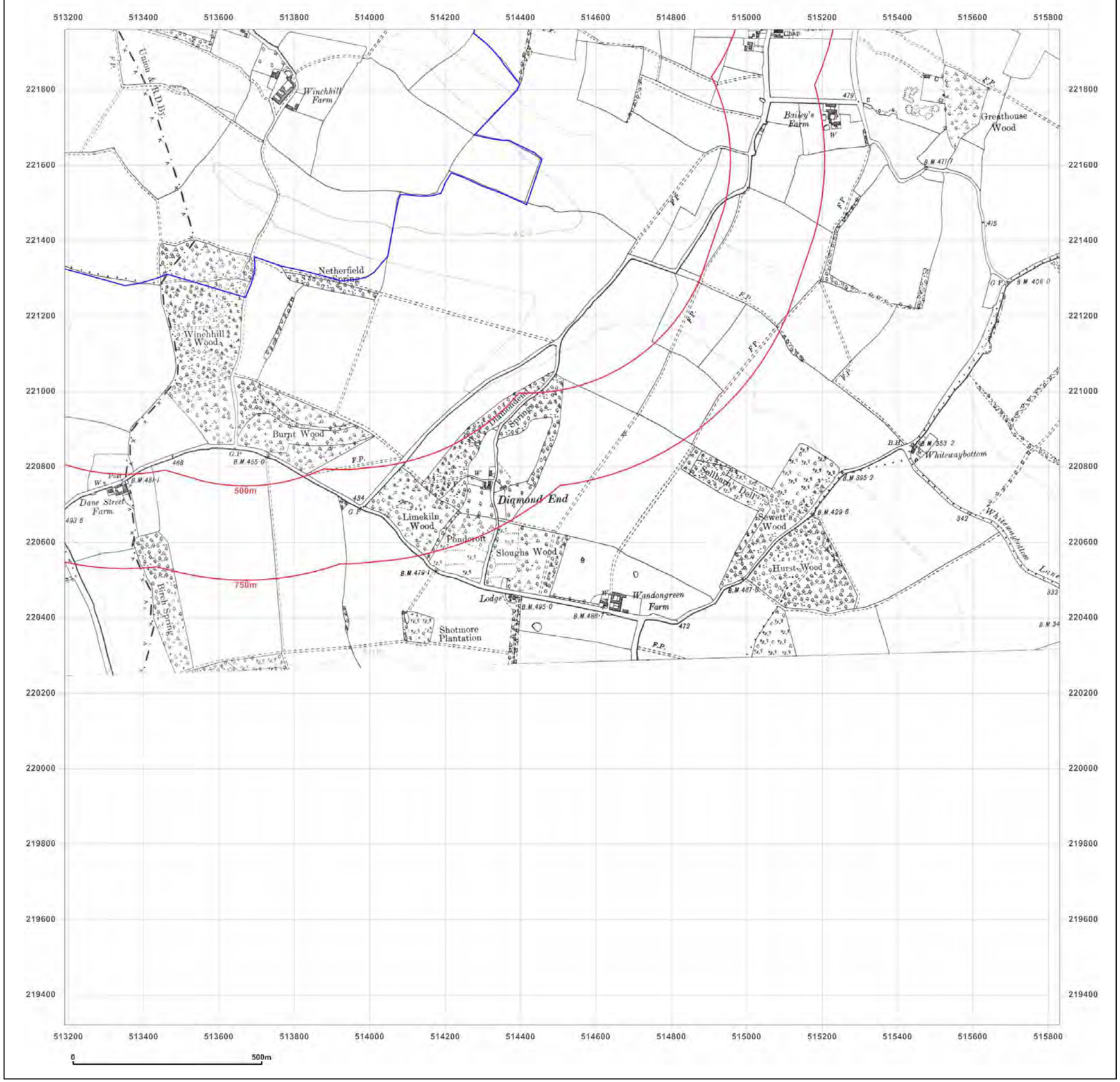
Surveyed 1878
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1925**

Scale: 1:10,560

Printed at: 1:10,560

N
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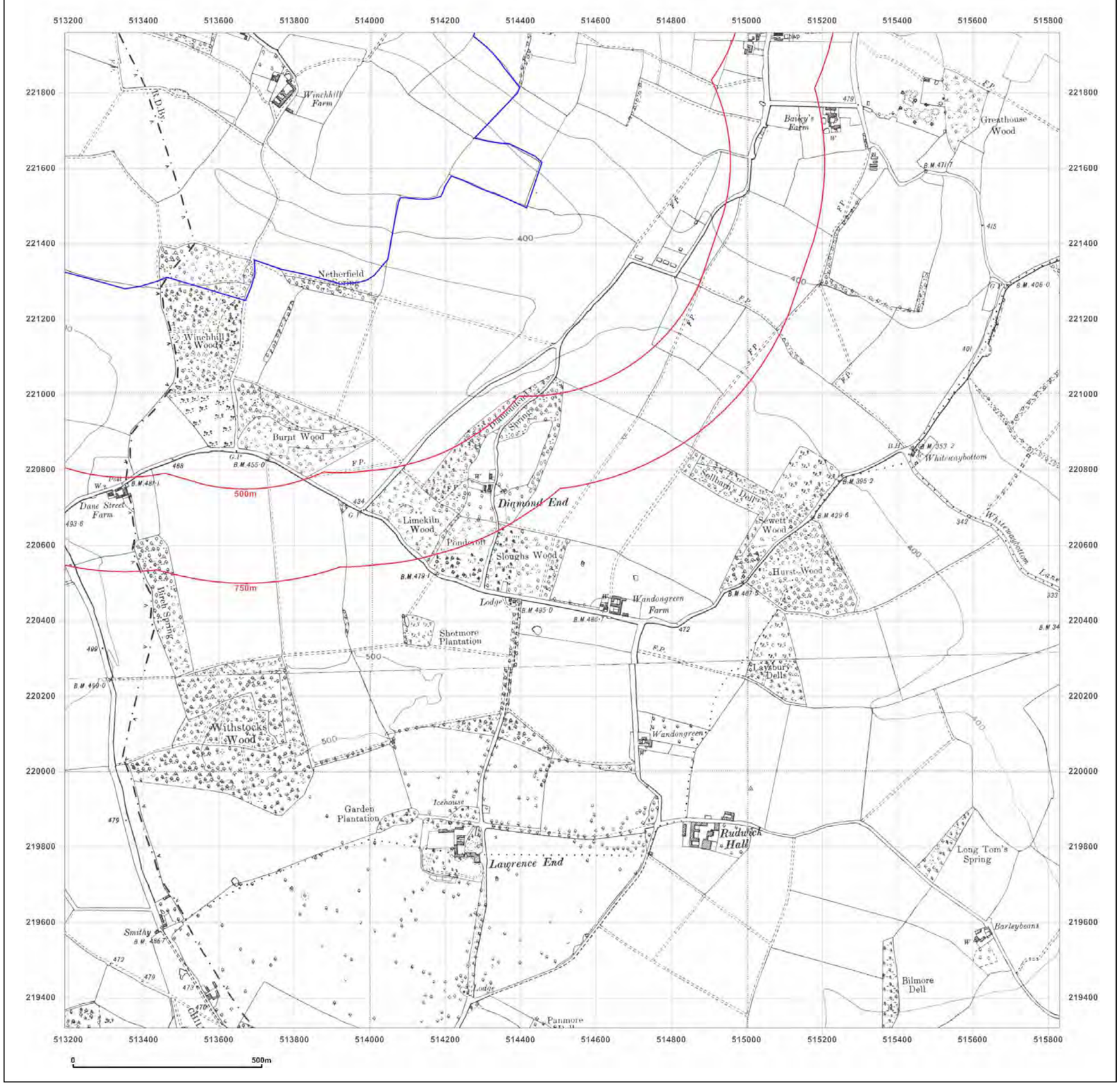
Surveyed 1878
Revised 1922
Edition 1925
Copyright N/A
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1878
Revised 1947
Edition N/A
~~Copyright N/A~~
Levelled N/A

Surveyed 1878
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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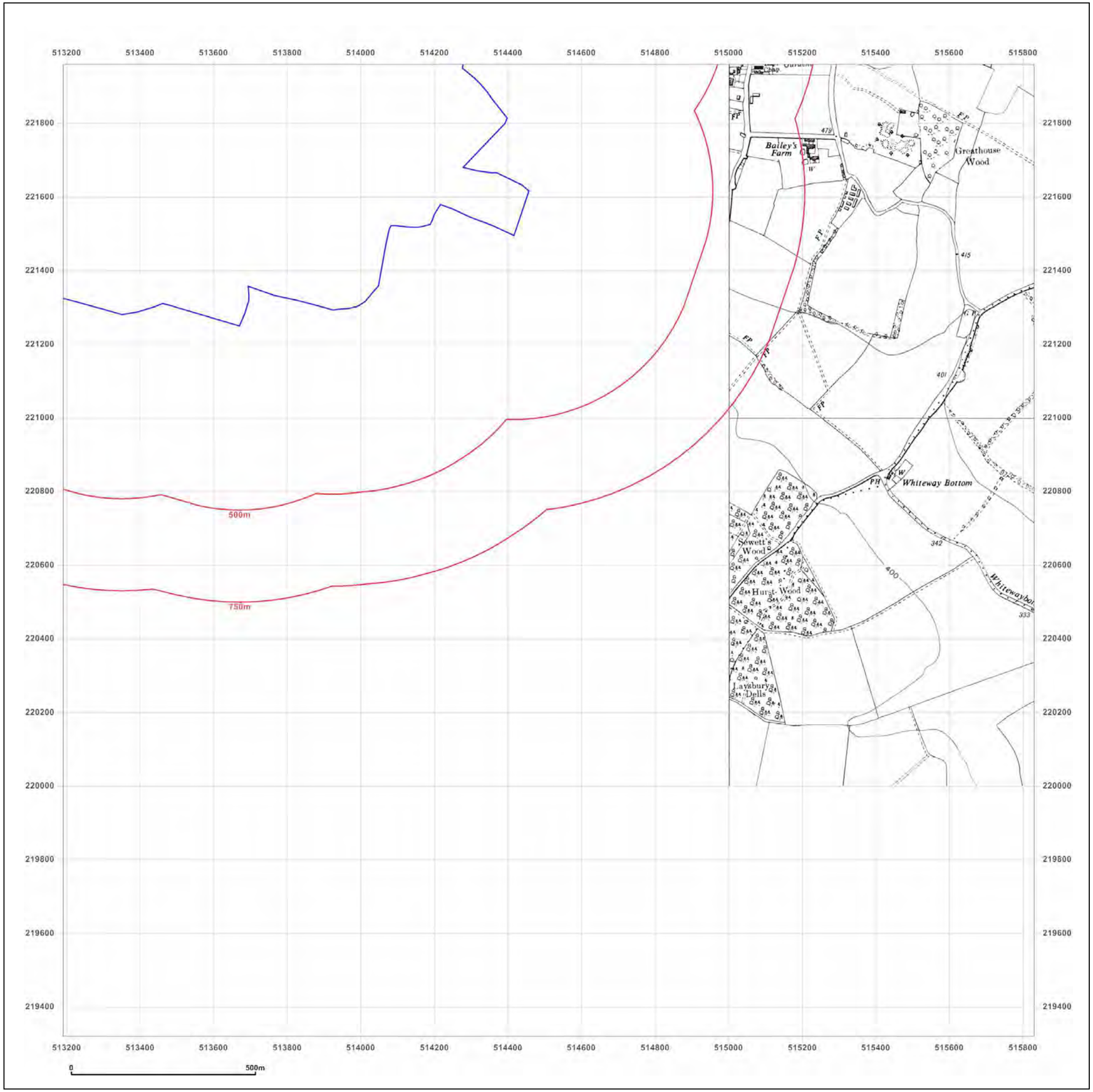

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: Provisional
Map date: **1951**
Scale: 1:10,560
Printed at: 1:10,560

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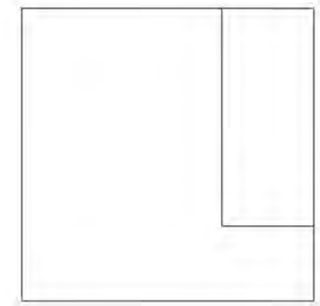

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

Powered by

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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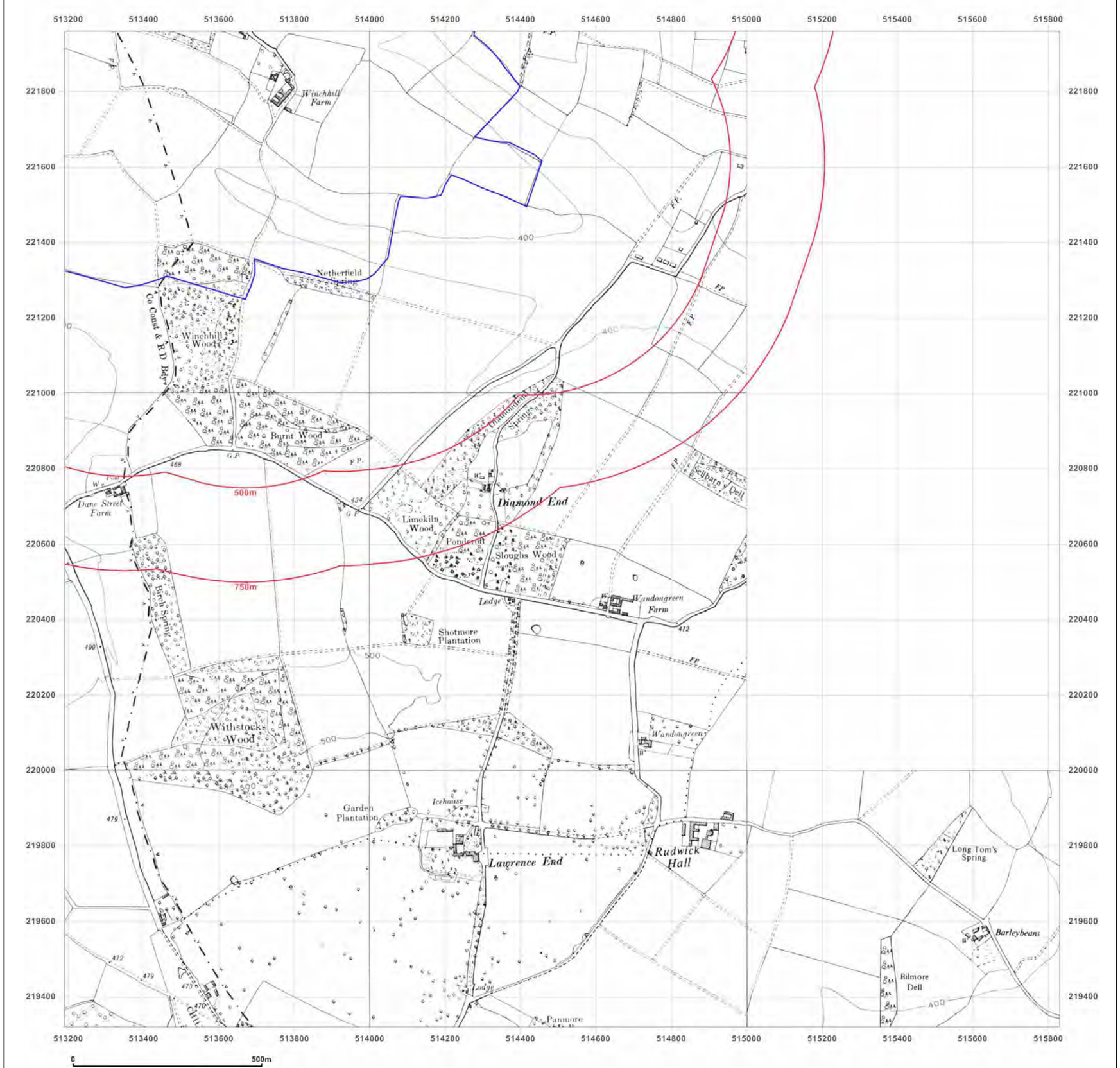

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: Provisional
Map date: **1960**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed N/A
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

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

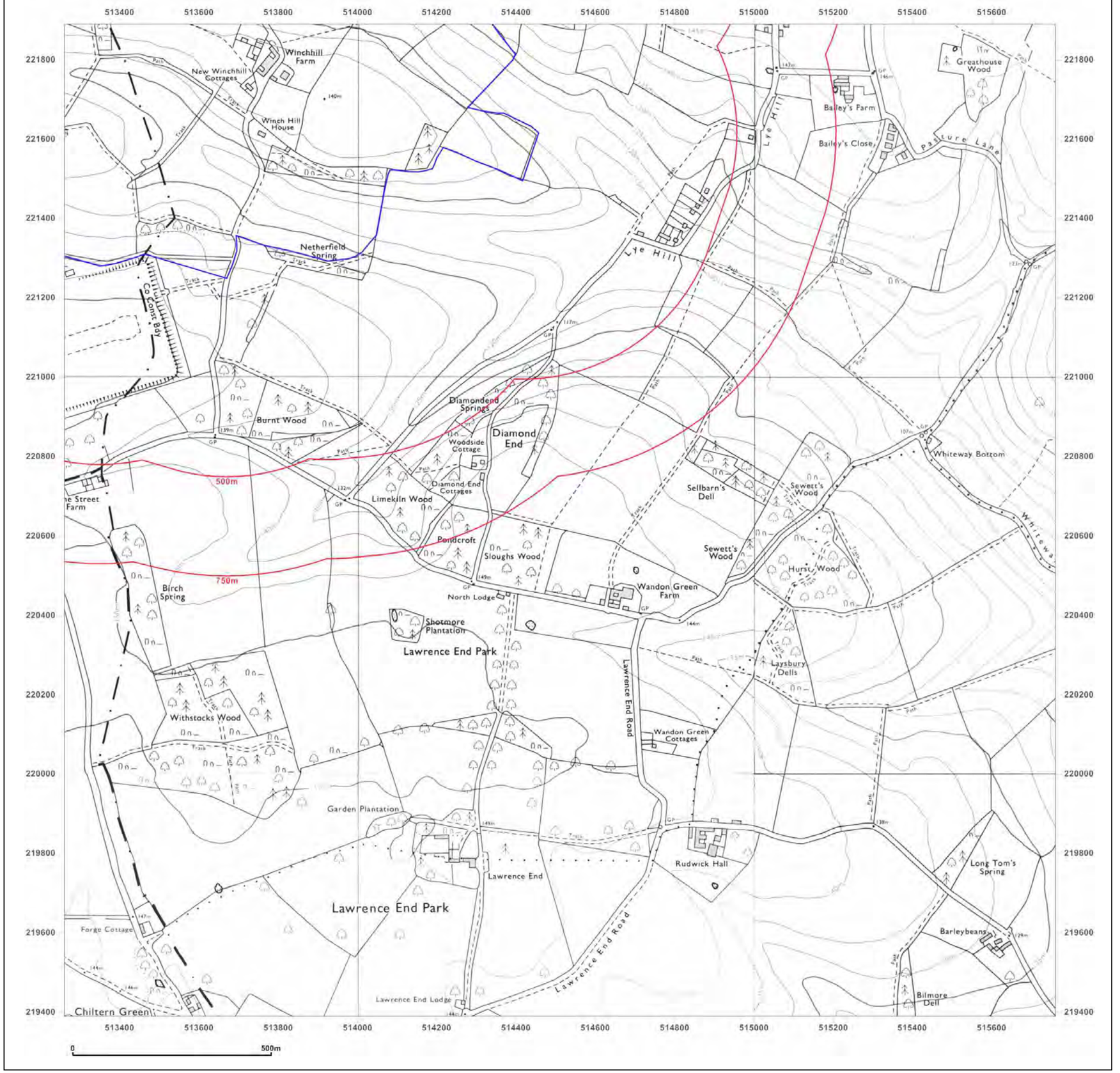
Surveyed 1951
Revised 1959
Edition N/A
Copyright 1960
Levelled N/A

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: National Grid

Map date: **1974-1975**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1973
Revised 1975
Edition N/A
Copyright 1975
Levelled 1973

Surveyed 1972
Revised 1974
Edition N/A
Copyright 1975
Levelled 1973

Surveyed 1972
Revised 1974
Edition N/A
Copyright 1974
Levelled 1973

Surveyed 1972
Revised 1974
Edition N/A
Copyright 1975
Levelled 1973

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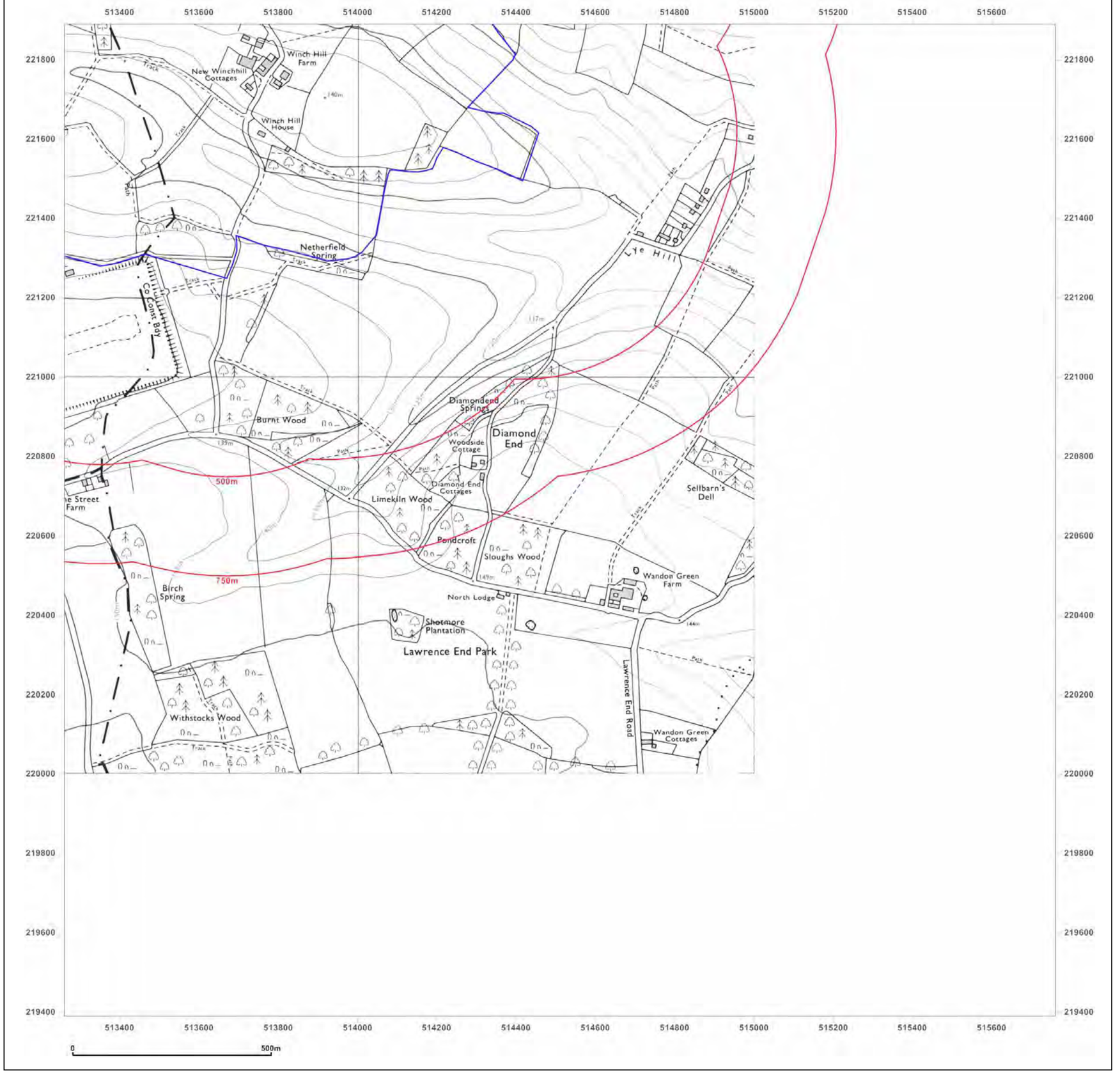
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: National Grid

Map date: **1985**

Scale: 1:10,000

Printed at: 1:10,000

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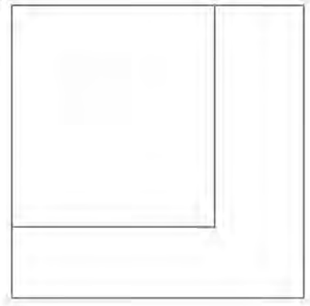
Surveyed 1985
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

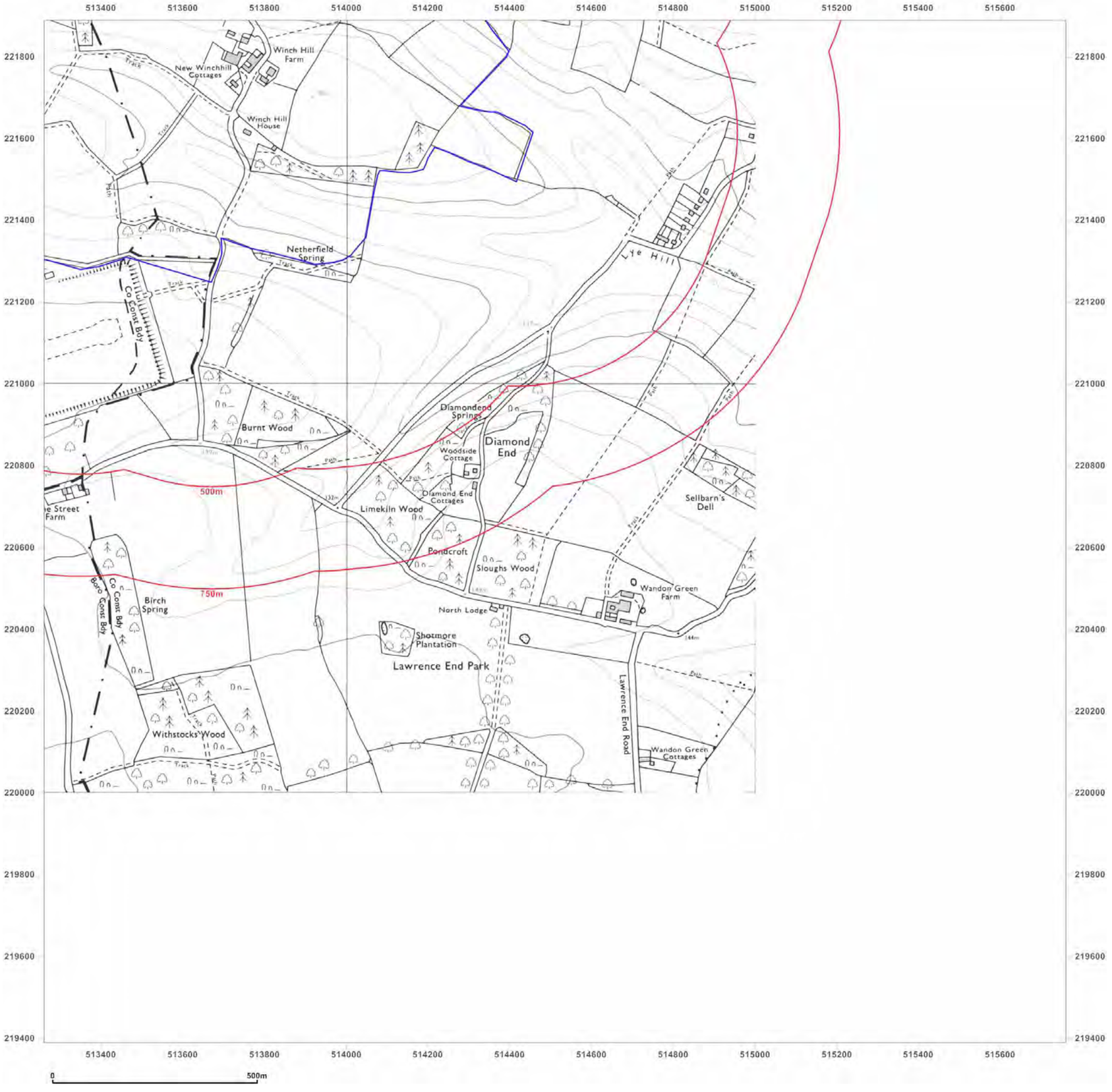


Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

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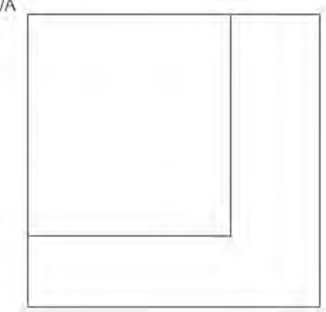
Surveyed 1989
Revised 1991
Edition N/A
Copyright N/A
Levelled N/A

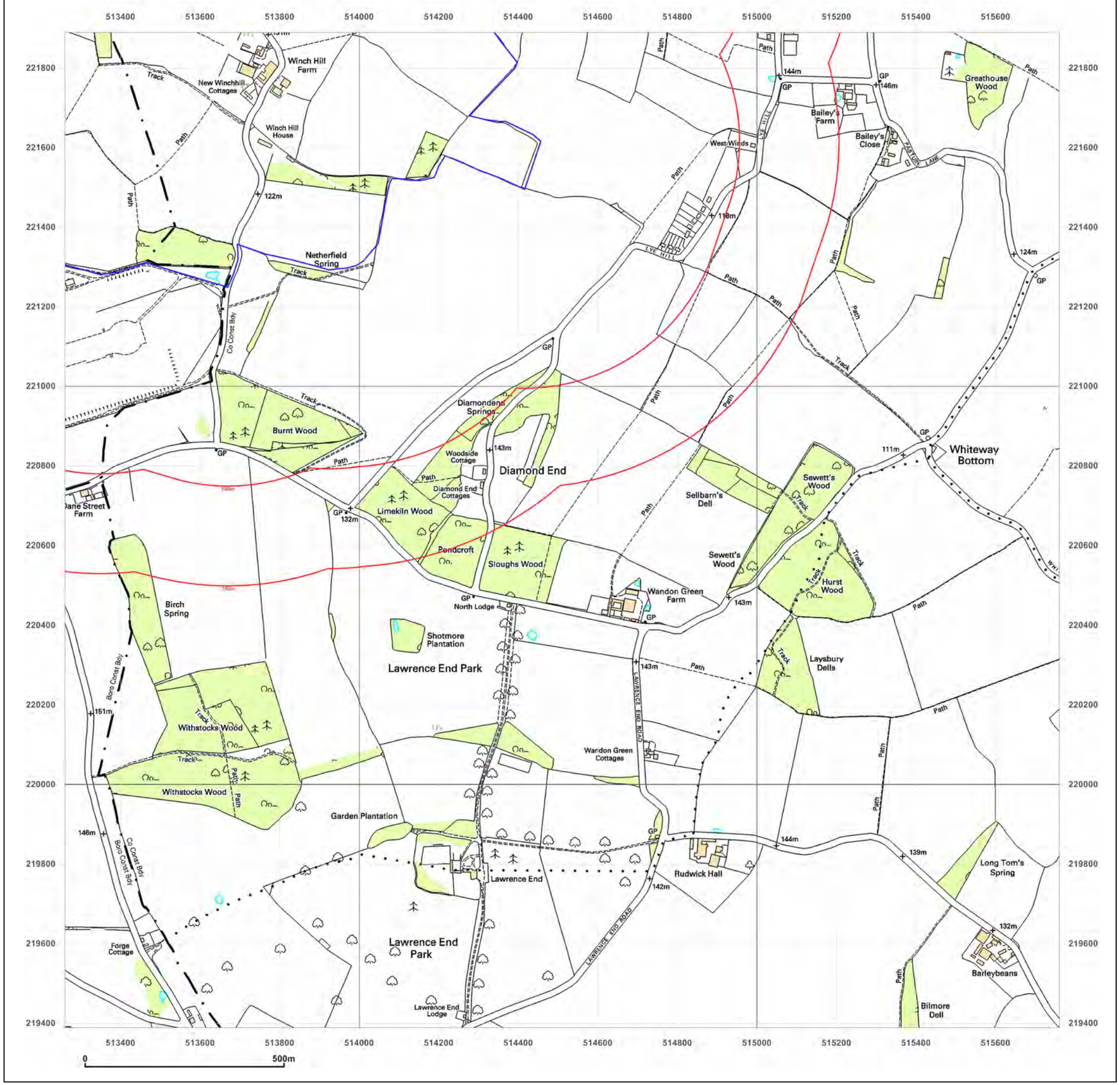


Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

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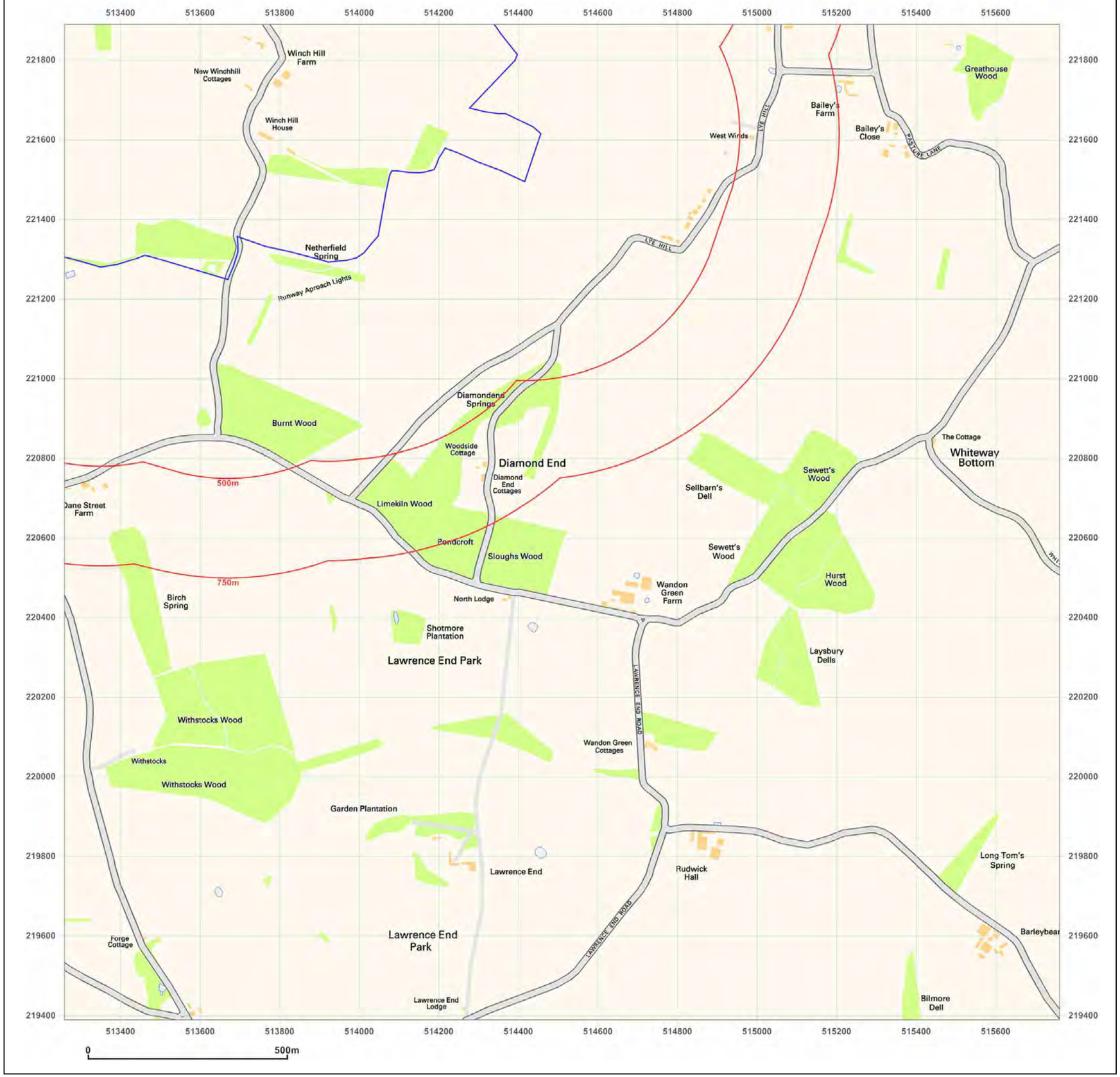
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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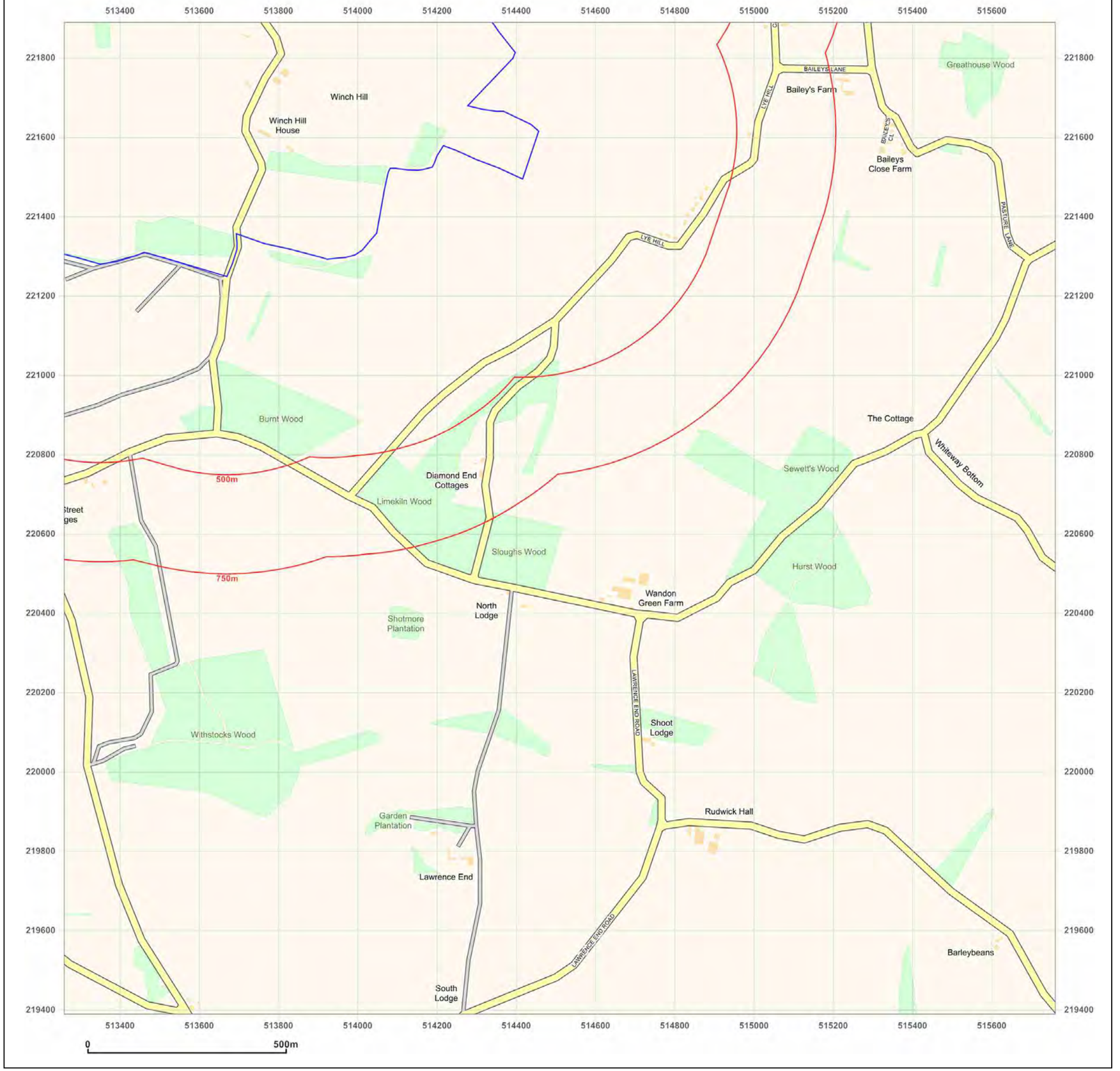
Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_1
Grid Ref: 514510, 220639

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

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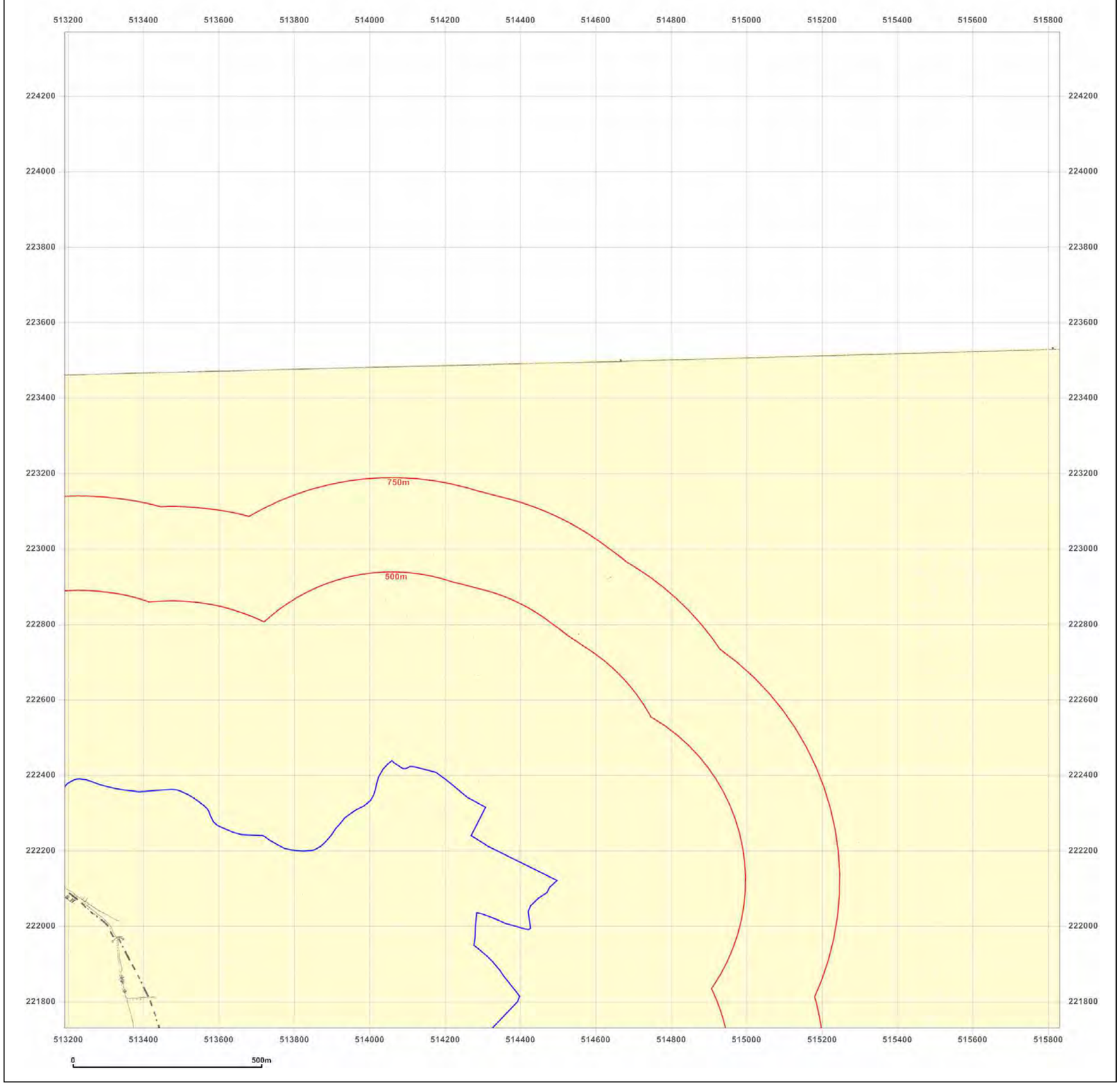
Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1879**

Scale: 1:10,560

Printed at: 1:10,560

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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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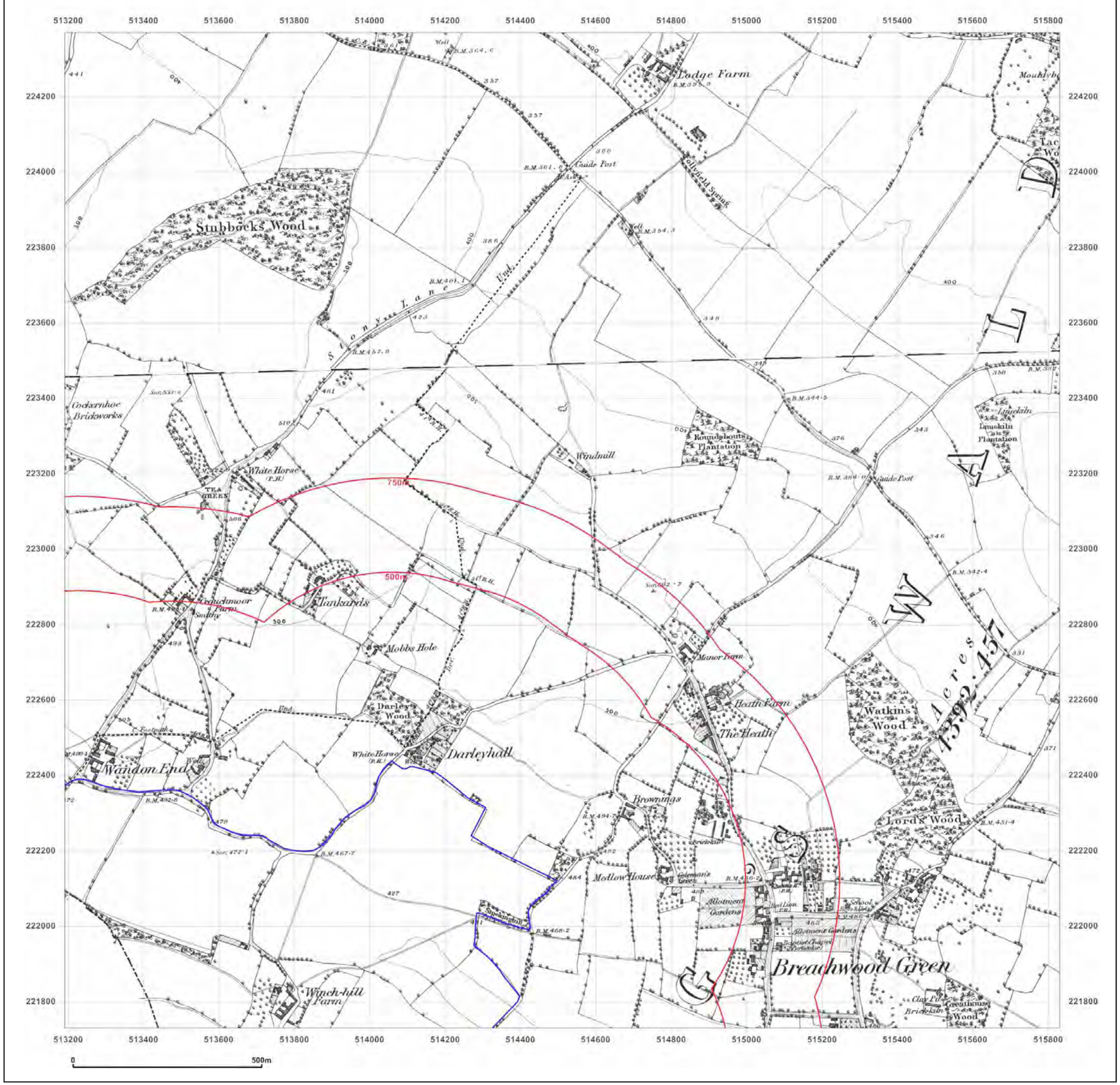

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1884**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1880
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A

Surveyed 1881
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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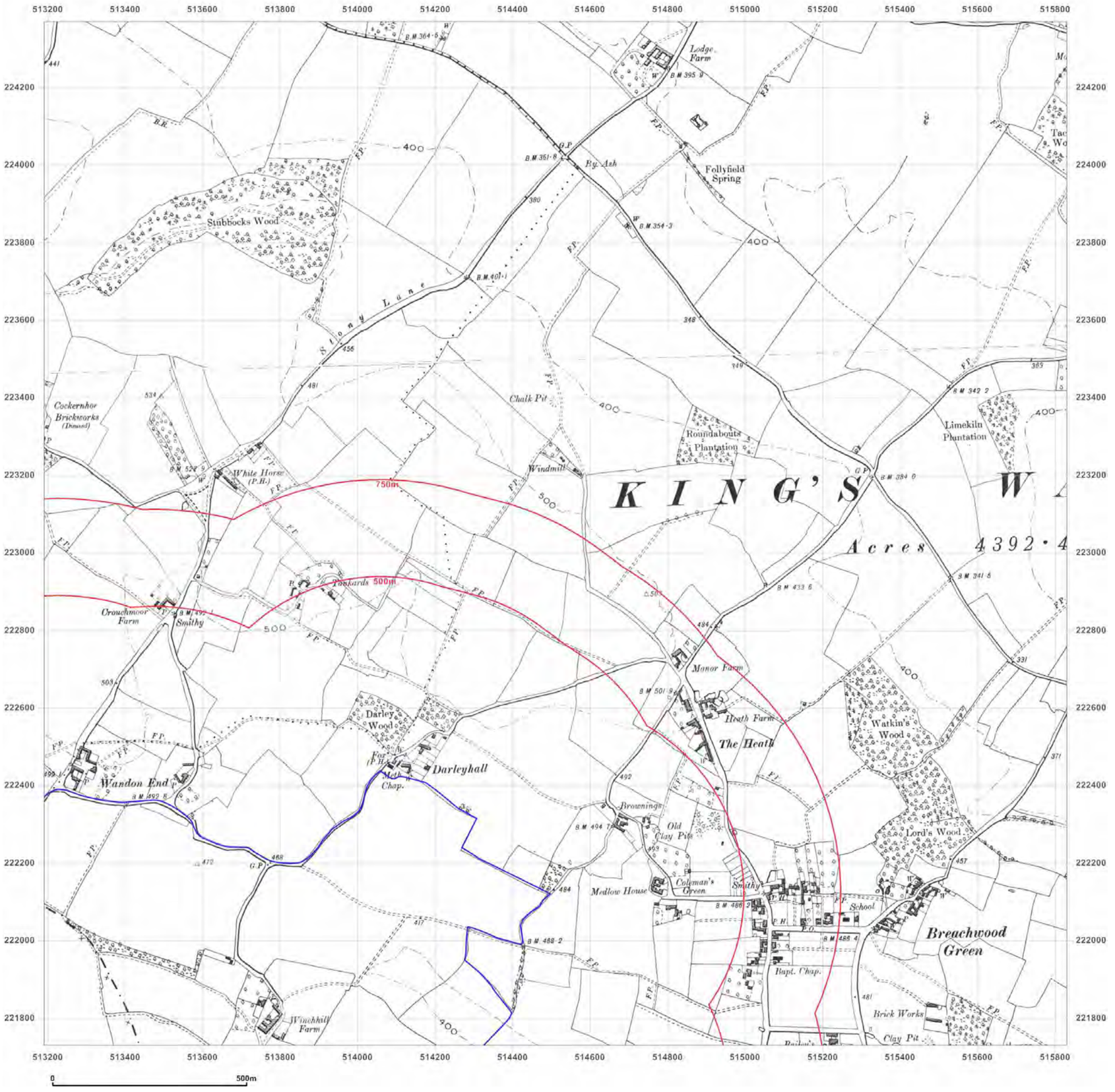

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1897-1899**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1881
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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T: 08444 159000
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Production date: 16 October 2018

Map legend available at:
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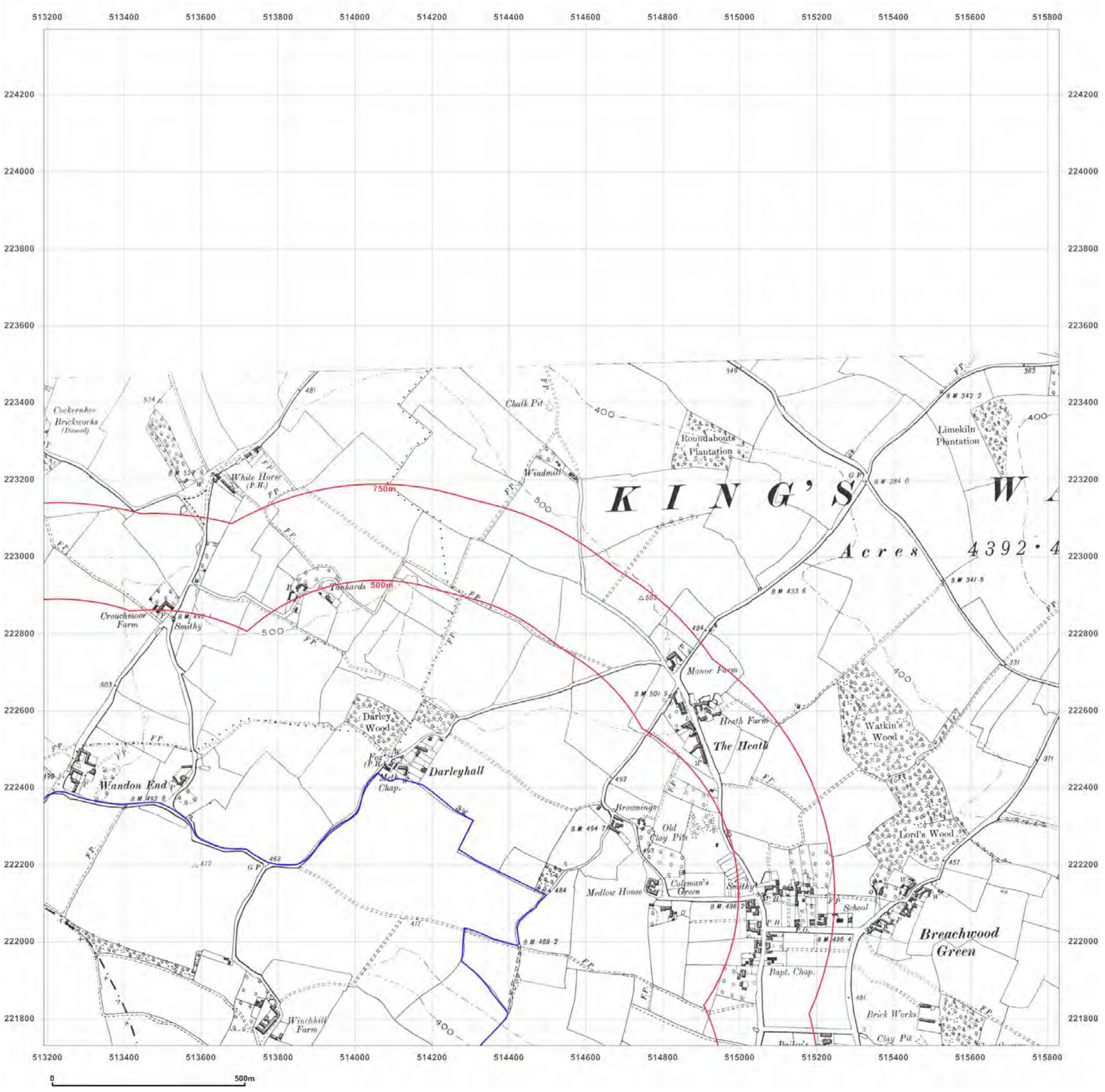

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1899**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1880
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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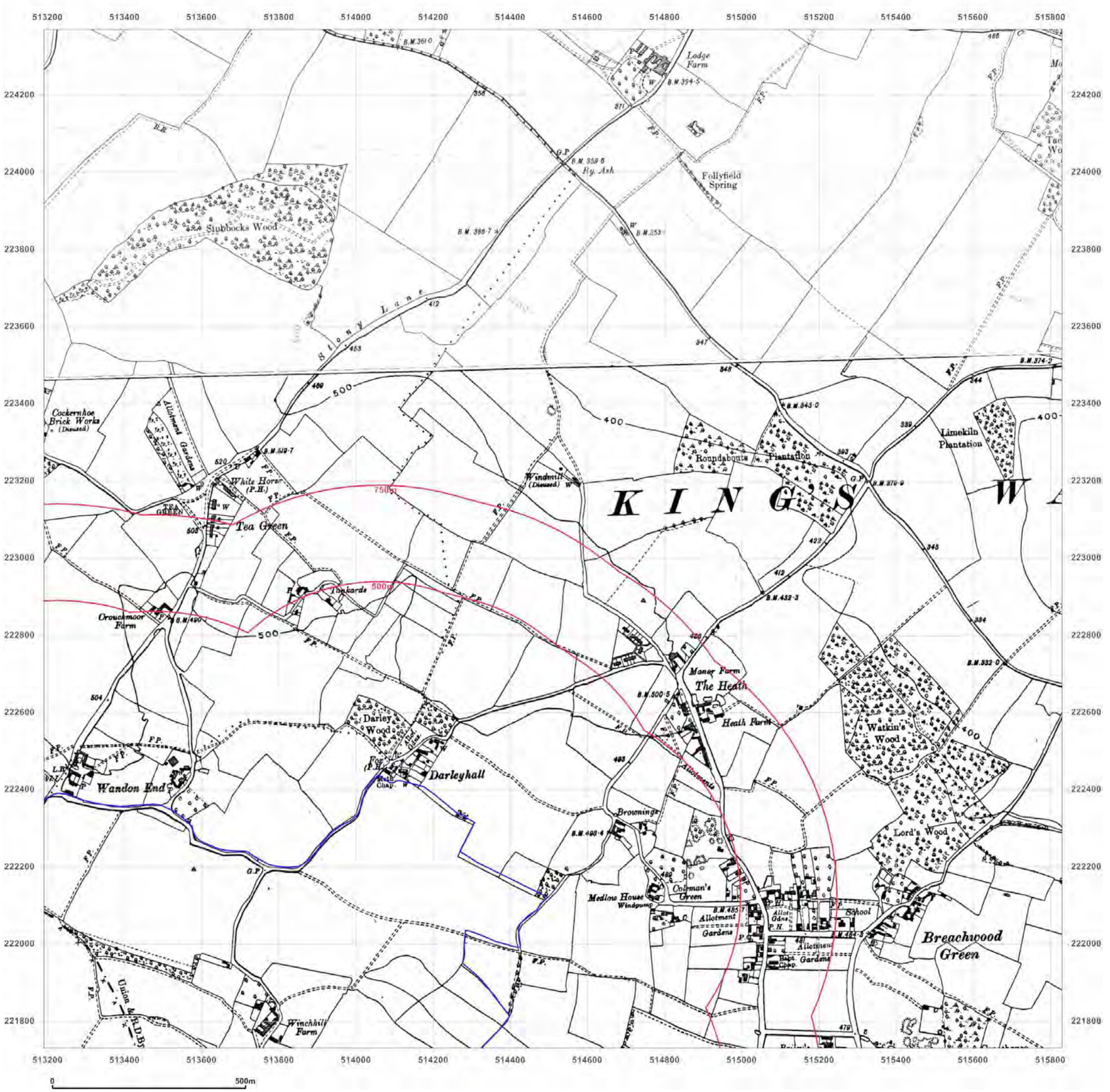

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1925**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1879
Revised 1922
Edition 1925
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition 1925
Copyright N/A
Levelled N/A

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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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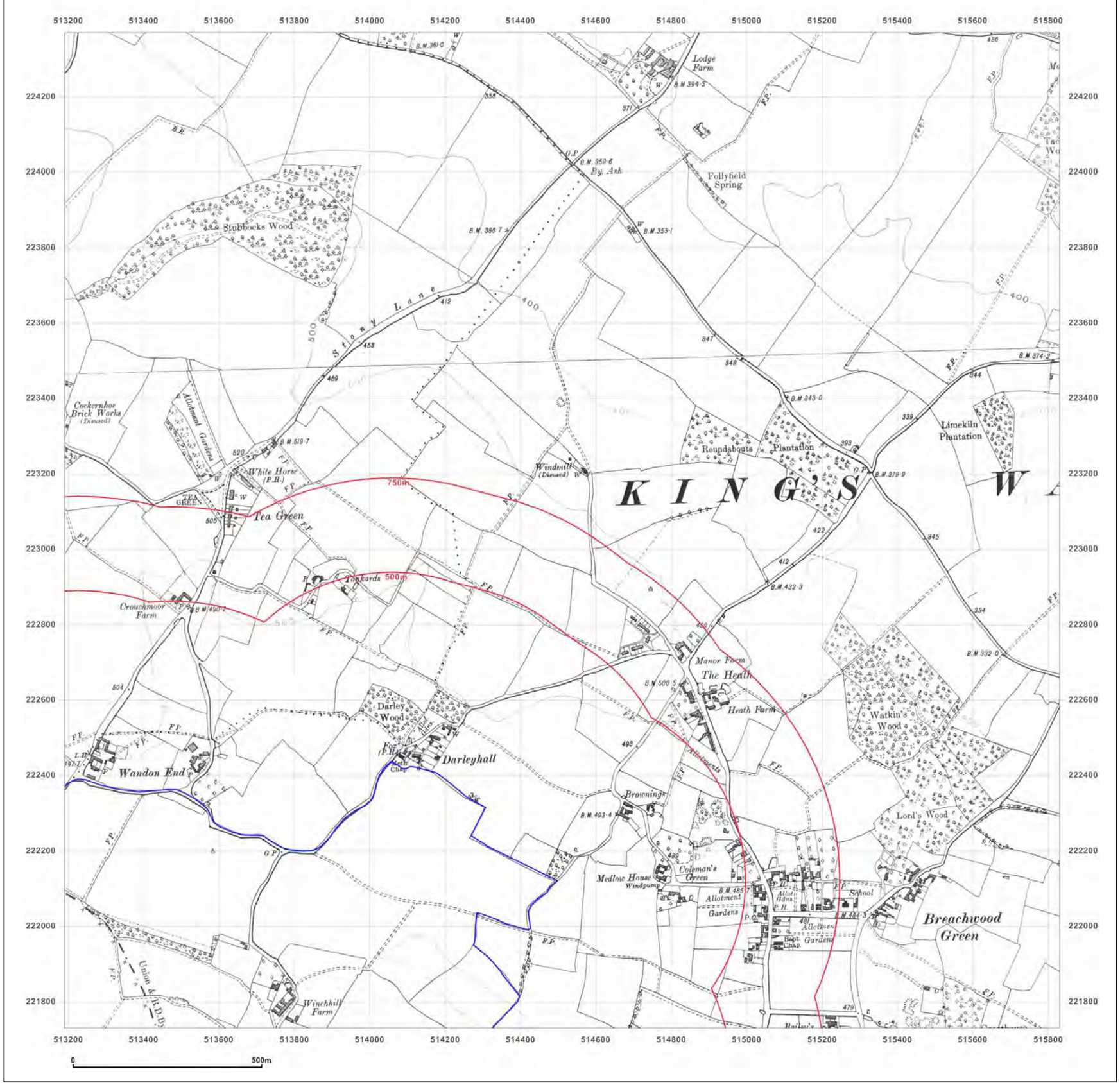

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1925**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1879
Revised 1922
Edition N/A
Copyright 1925
Levelled N/A

Surveyed 1878
Revised 1922
Edition 1925
Copyright N/A
Levelled N/A

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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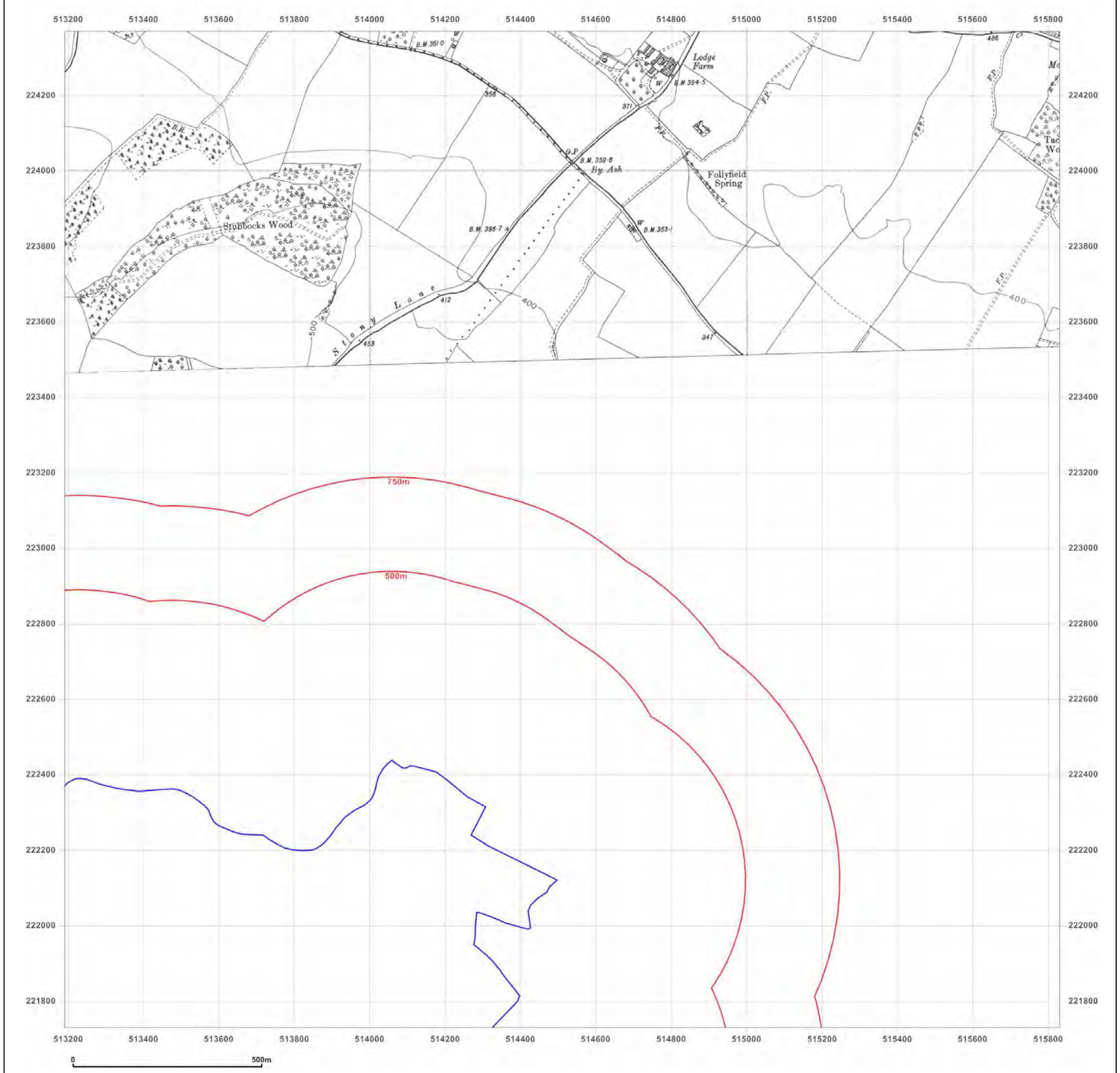

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
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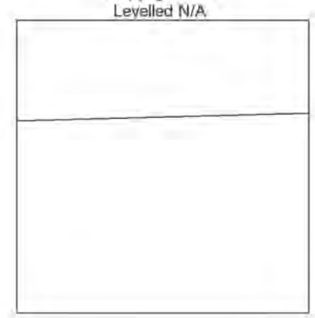
Surveyed 1879
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A



Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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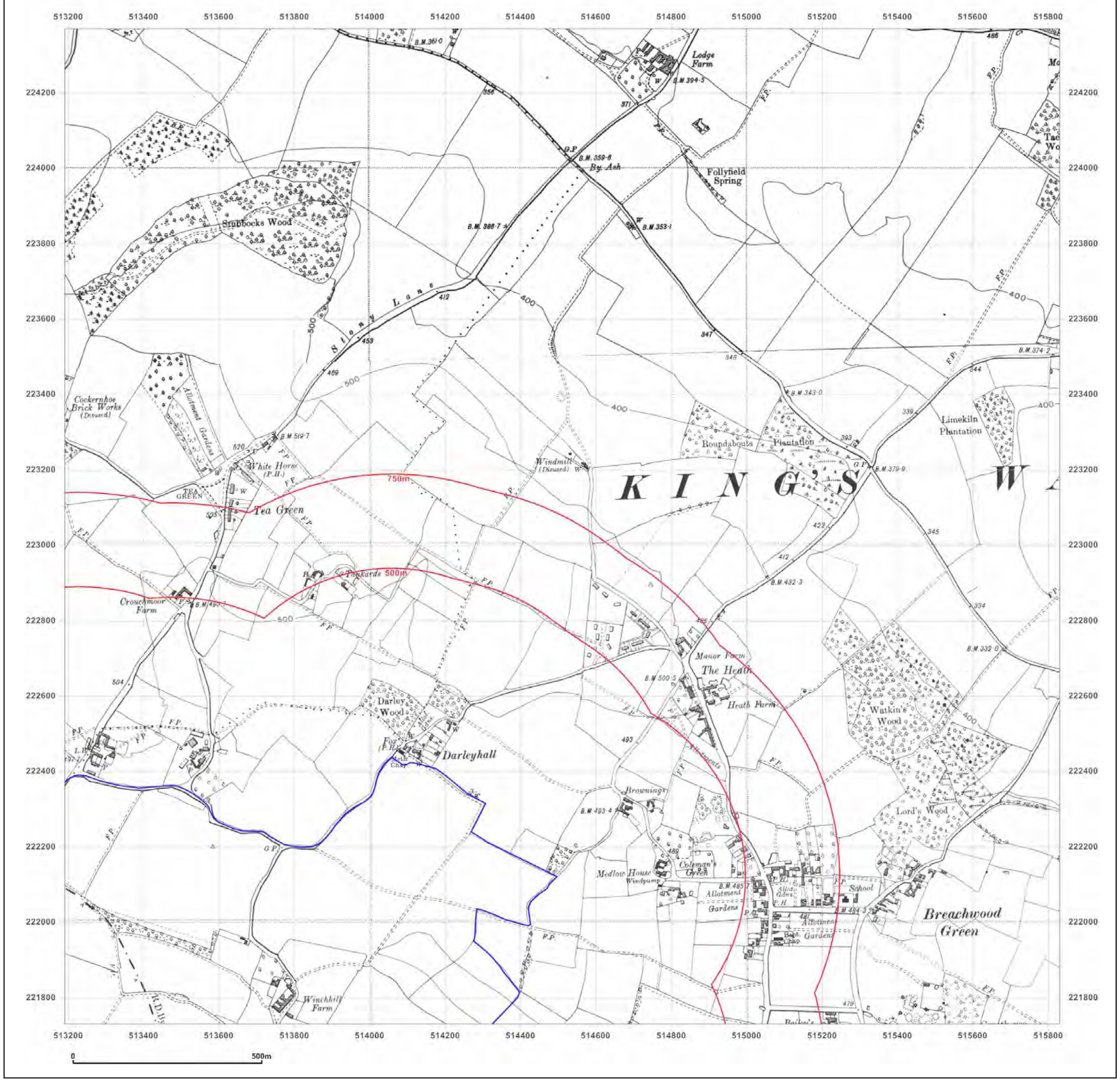

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1879
Revised 1947
Edition N/A
Copyright N/A
Levelled 1922

Surveyed 1878
Revised 1947
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: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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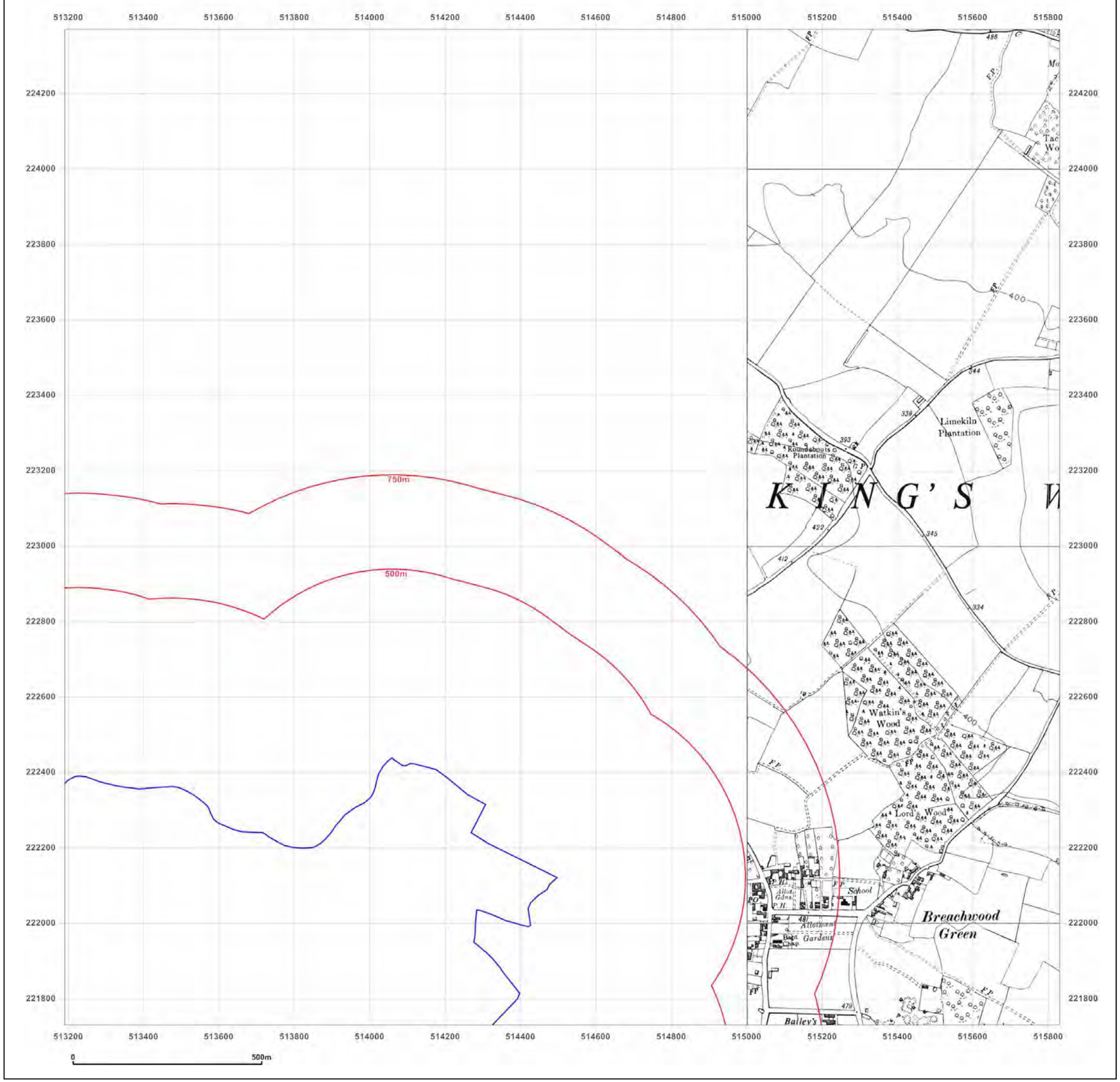

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: Provisional
Map date: **1951**
Scale: 1:10,560
Printed at: 1:10,560

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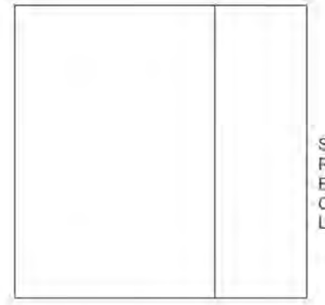

Surveyed 1951
Revised 1951
Edition N/A
Copyright N/A
Levelled N/A

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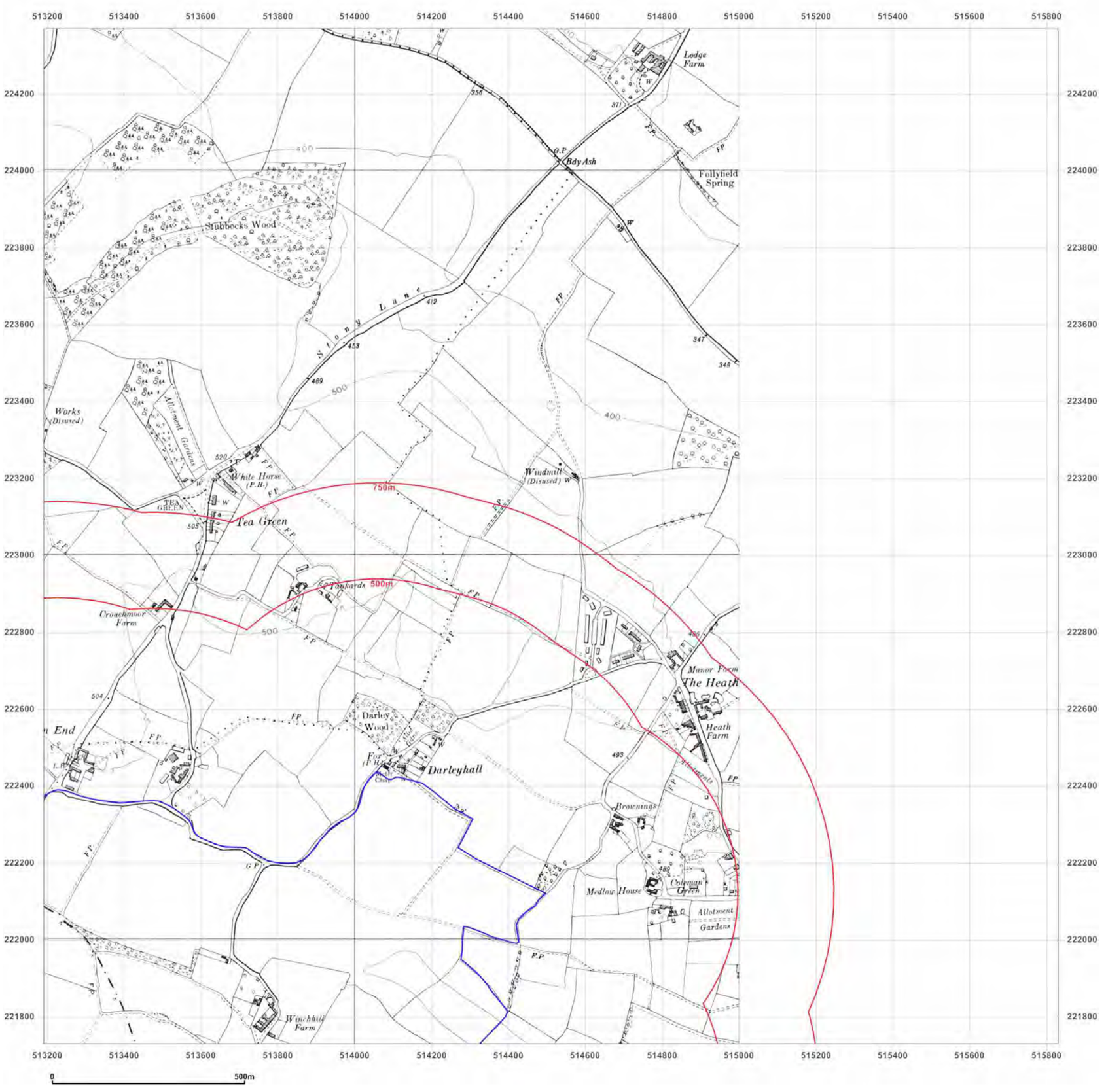
Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: Provisional

Map date: **1960**

Scale: 1:10,560

Printed at: 1:10,560

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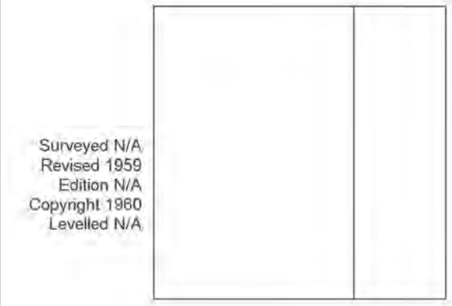

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Production date: 16 October 2018

Map legend available at:
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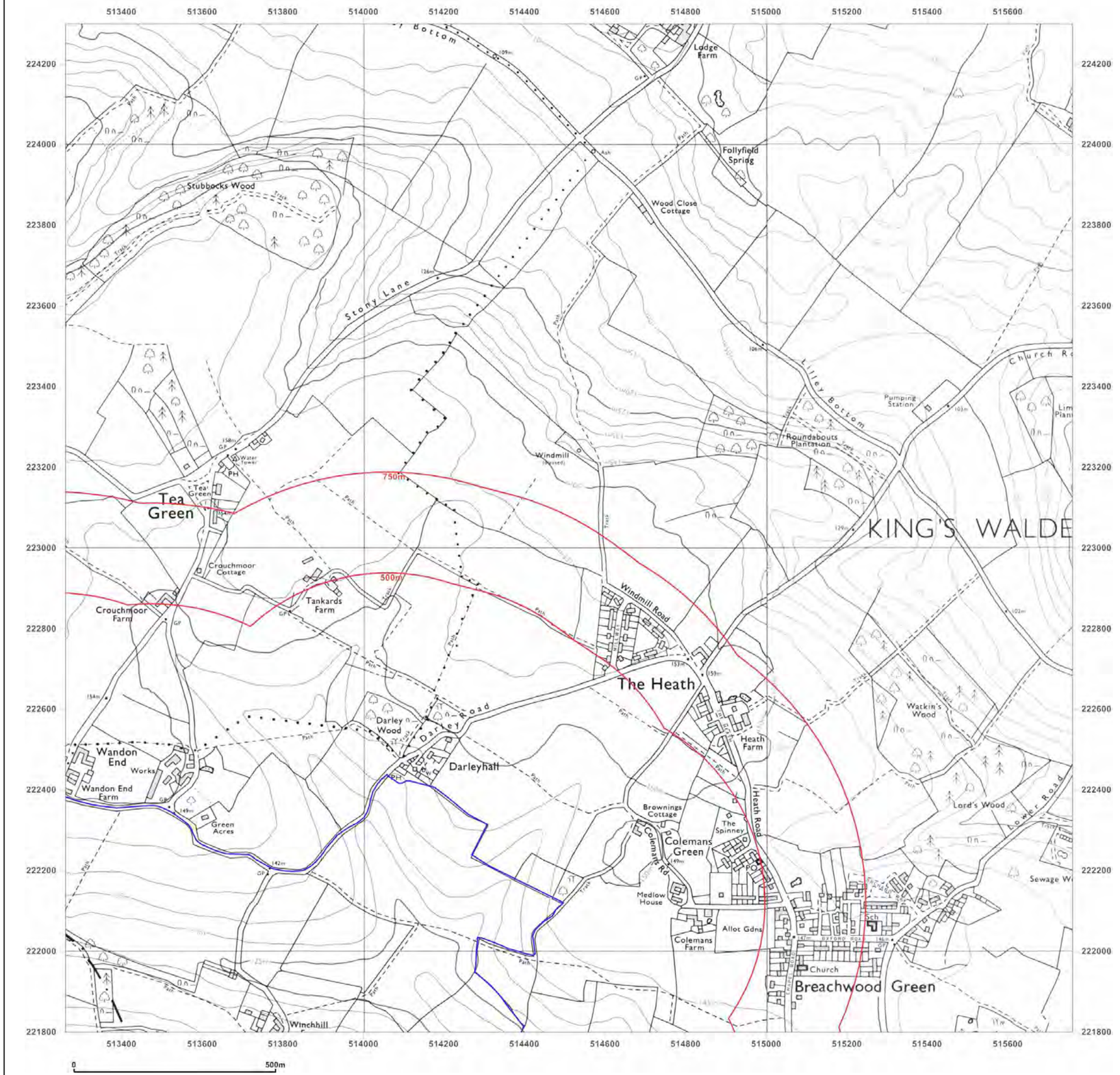

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: National Grid

Map date: **1975**

Scale: 1:10,000

Printed at: 1:10,000

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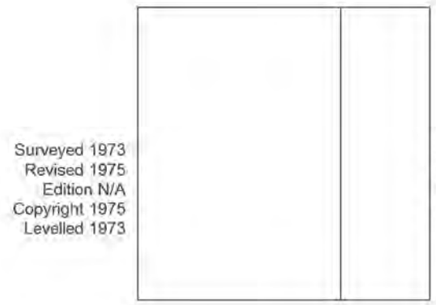

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[REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: National Grid

Map date: **1985**

Scale: 1:10,000

Printed at: 1:10,000

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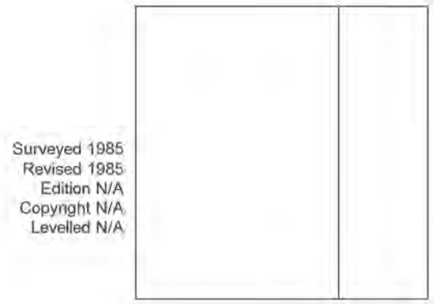

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E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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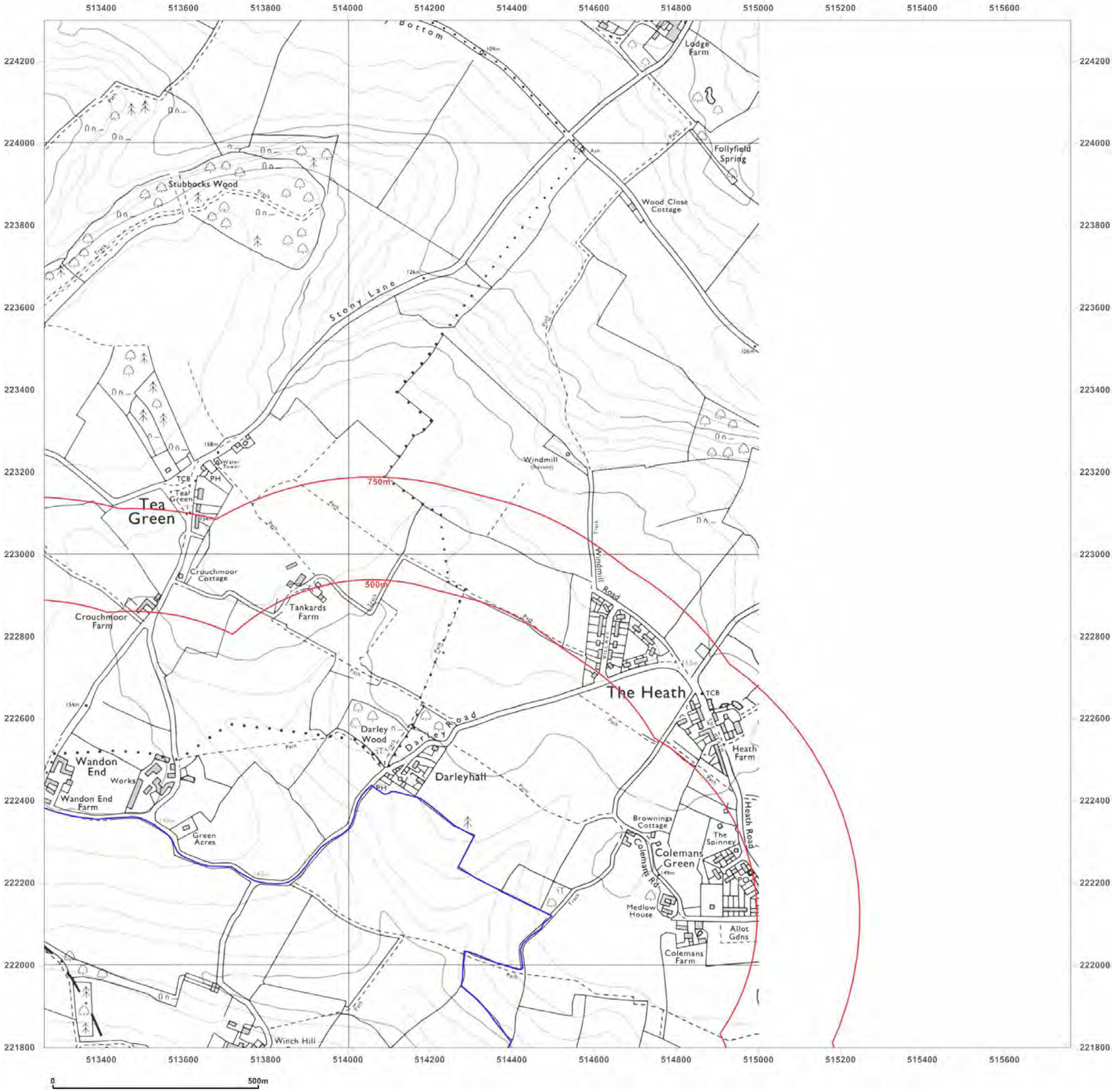

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

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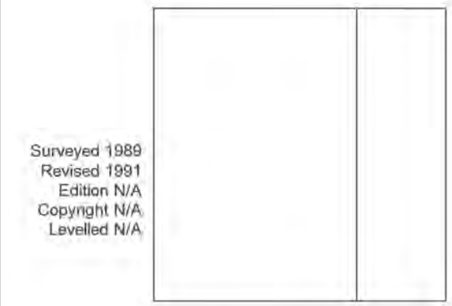

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[REDACTED]

Production date: 16 October 2018

Map legend available at:
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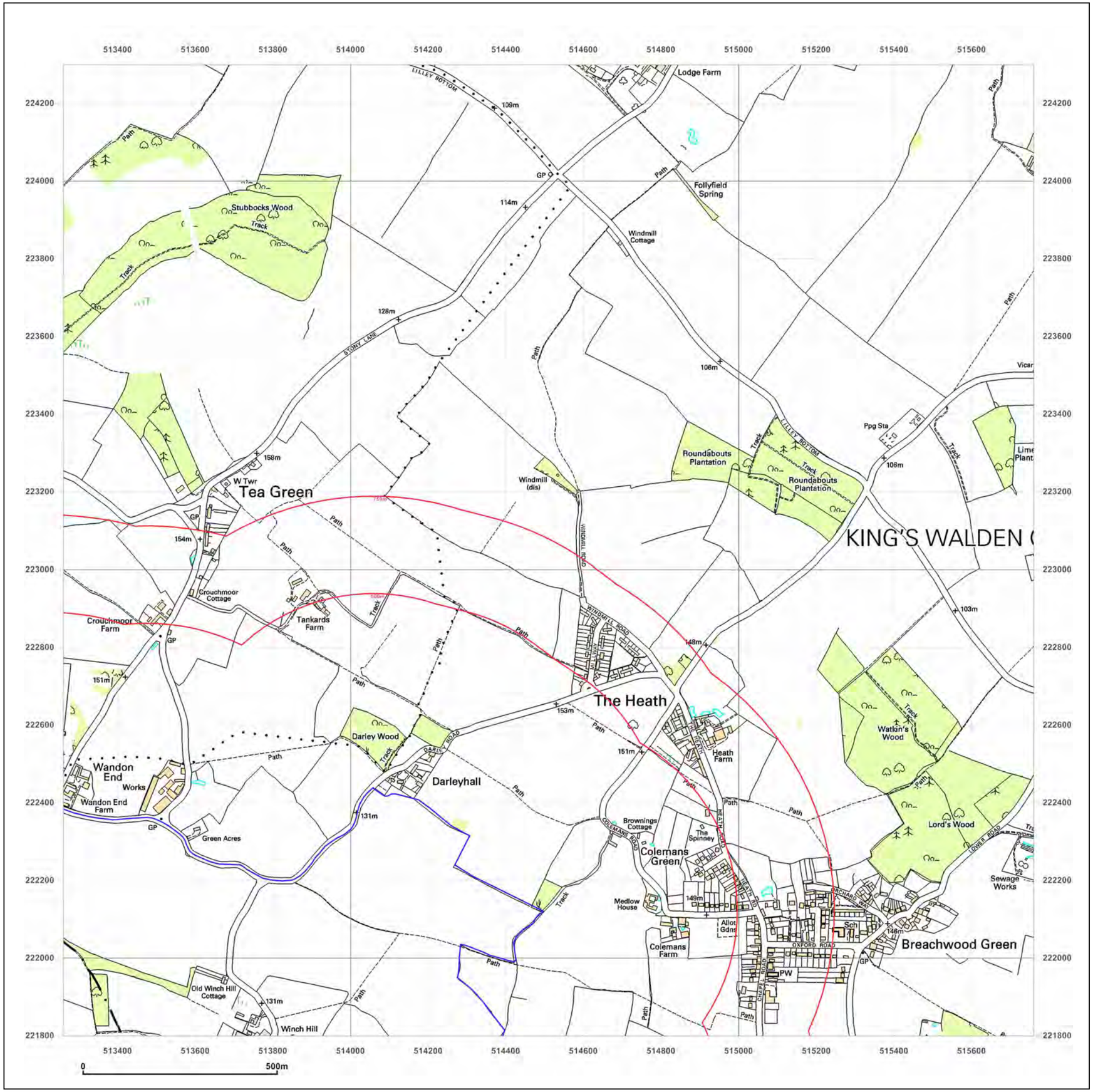

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: 1:10,000 Raster
Map date: **2002**
Scale: 1:10,000
Printed at: 1:10,000

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[REDACTED]

Production date: 16 October 2018

Map legend available at:
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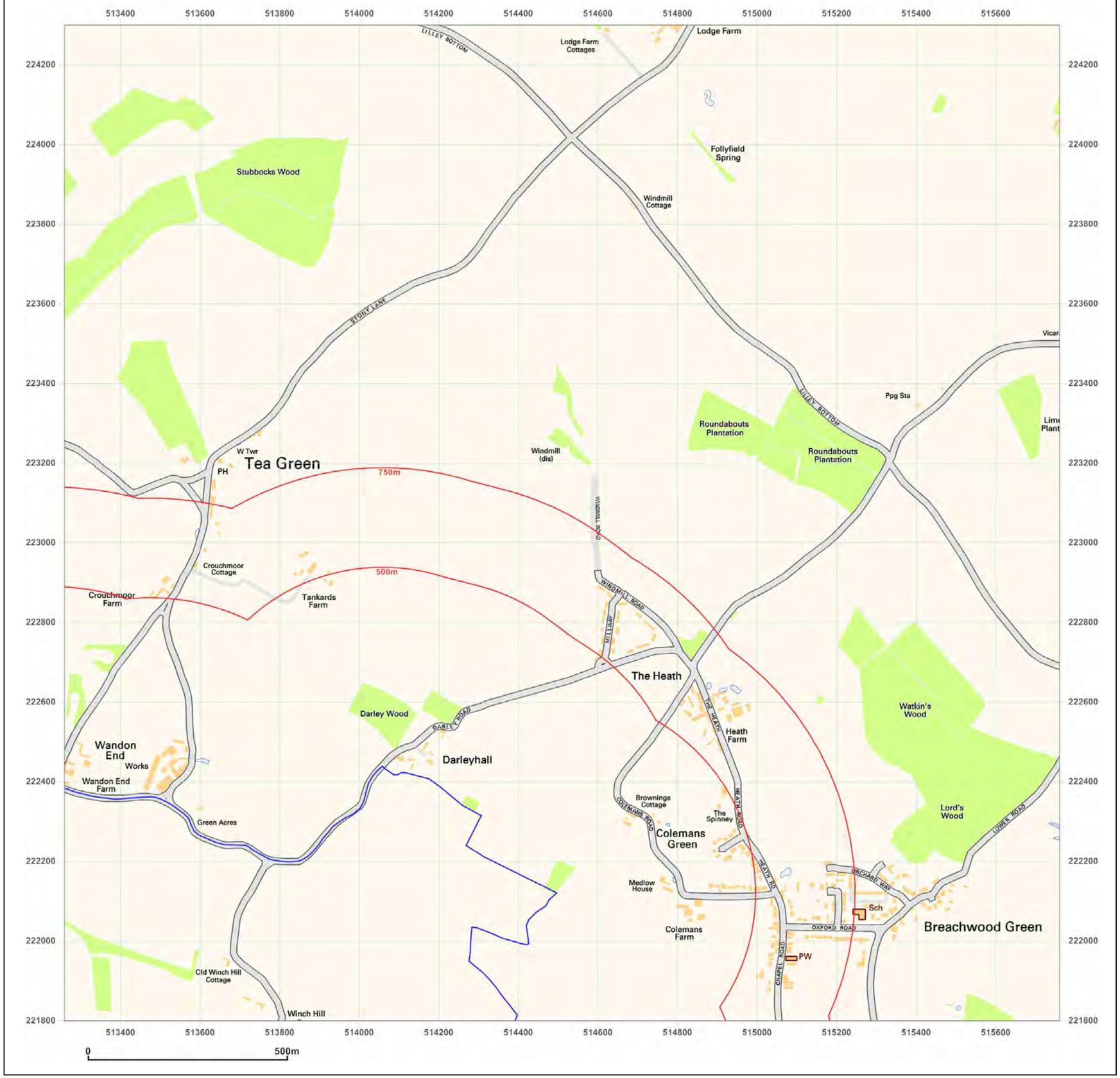

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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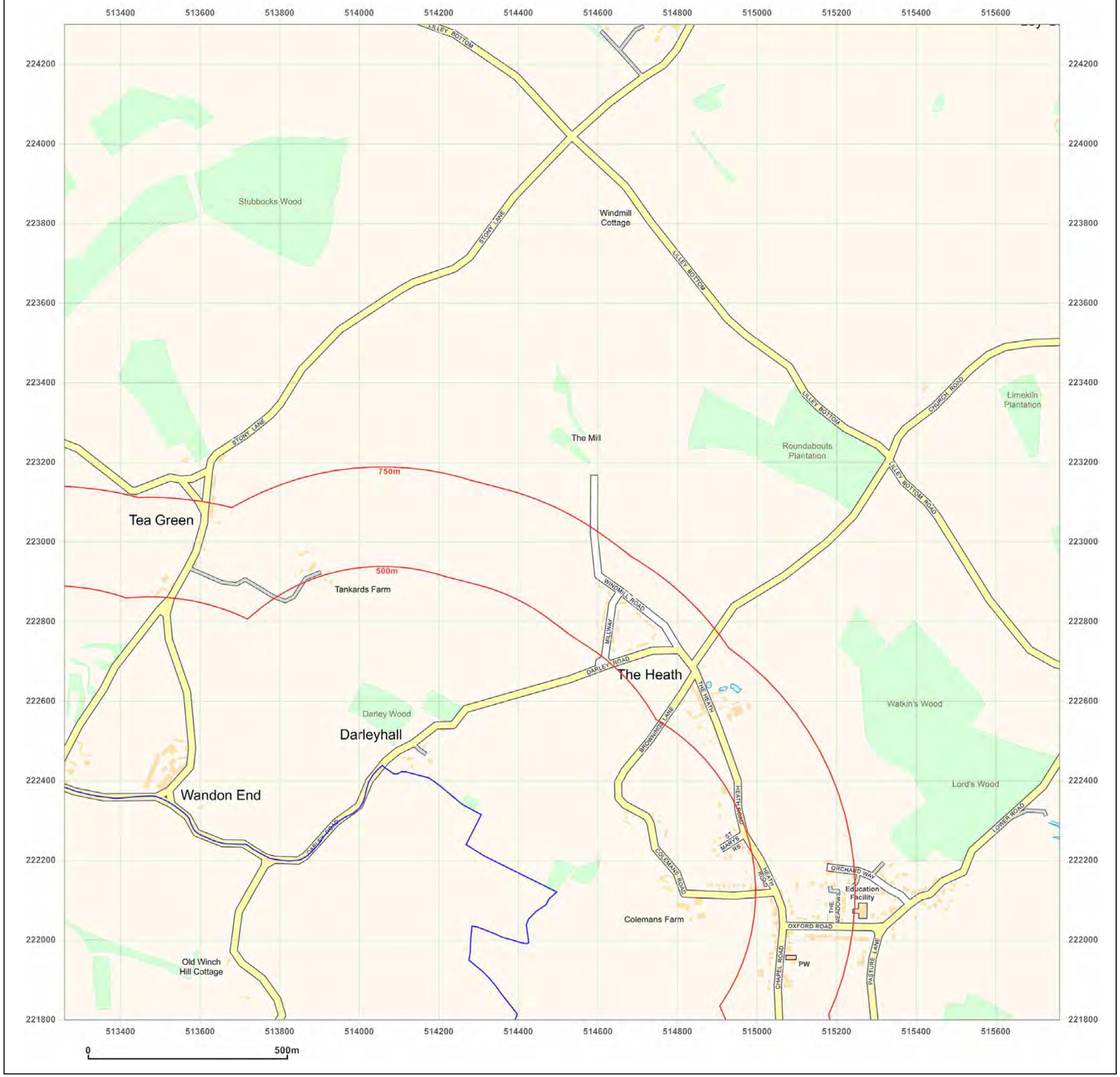

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_SS_2_2
Grid Ref: 514510, 223049

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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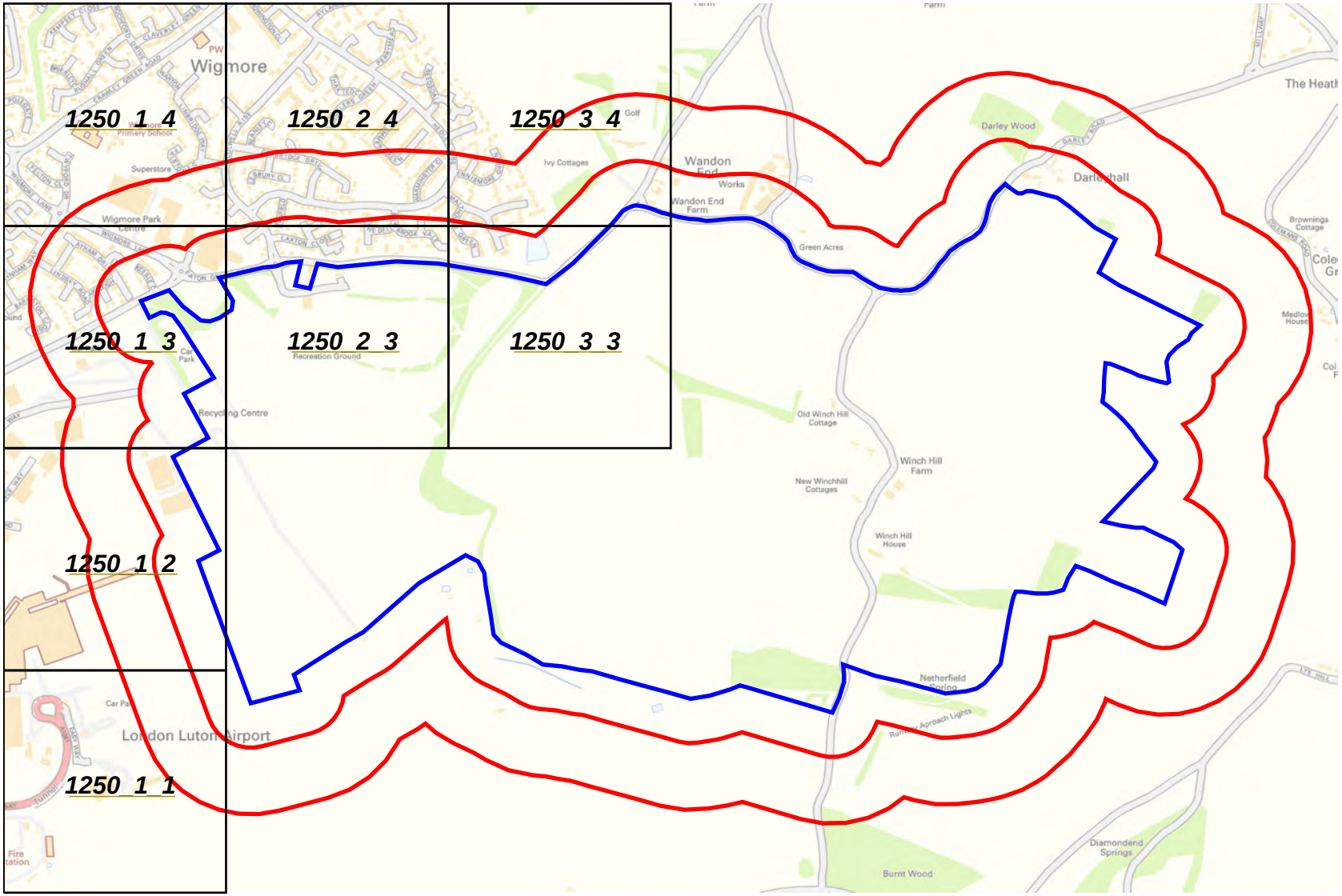

Groundsure INSIGHTS

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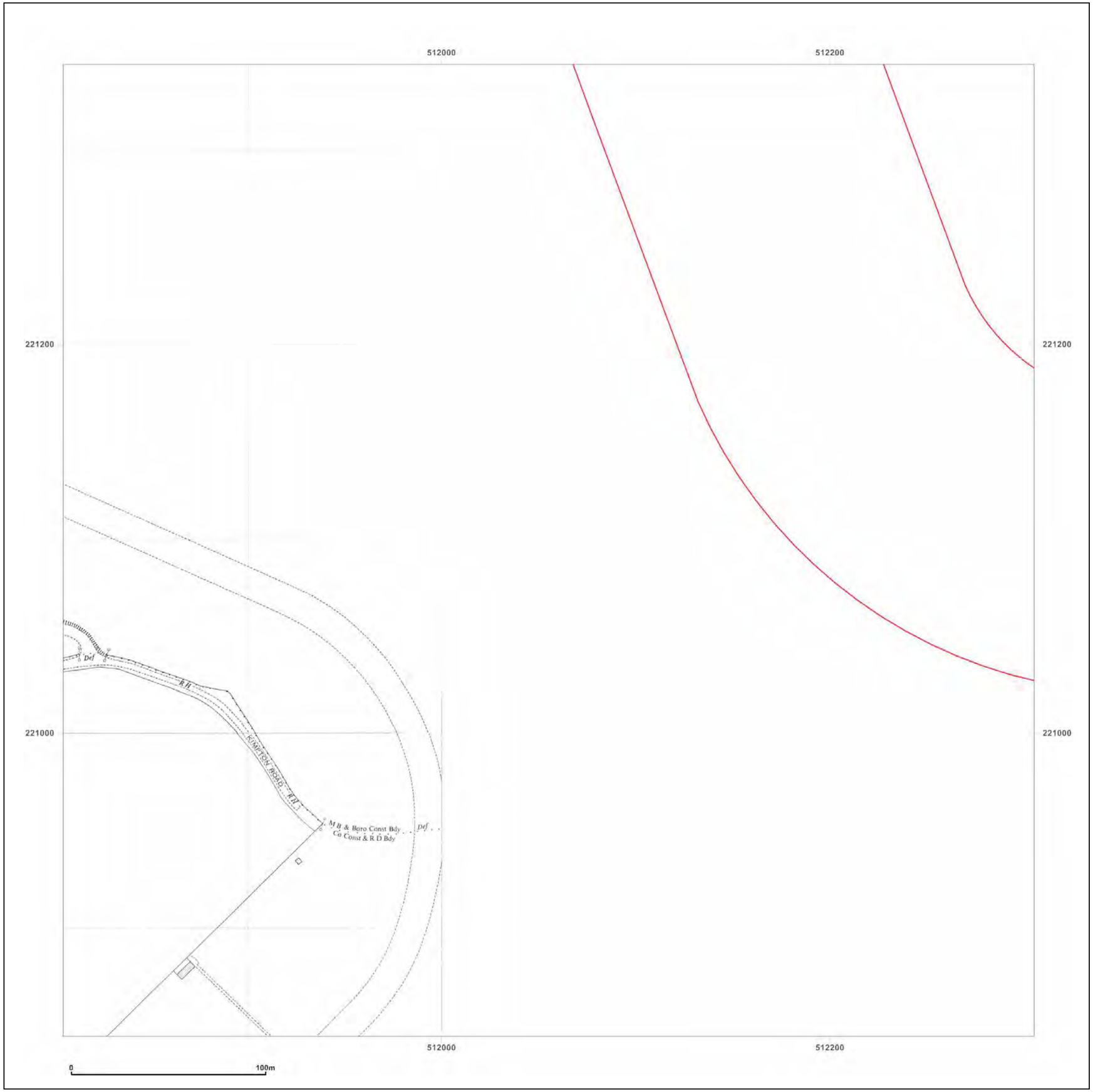
1:1250 Scale Grid Index



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1962-1963**

Scale: 1:1,250

Printed at: 1:2,000

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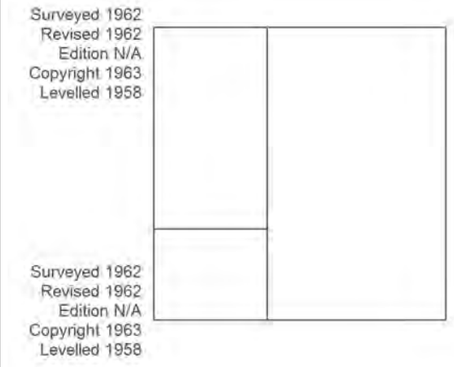

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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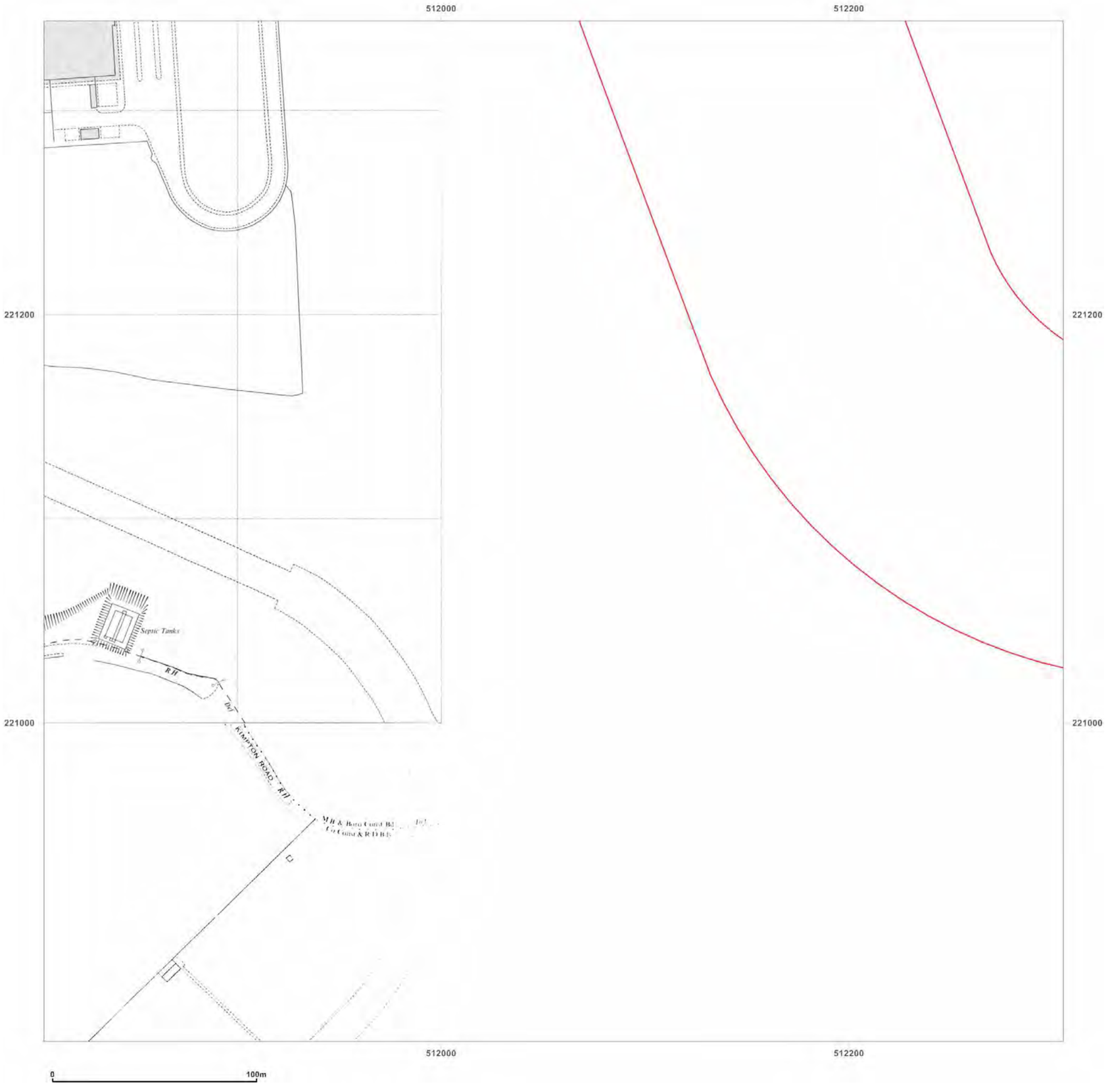

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1963-1968**

Scale: 1:1,250

Printed at: 1:2,000

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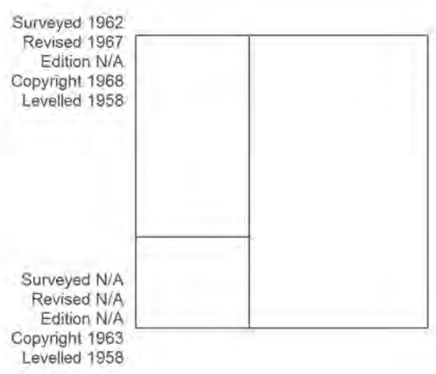

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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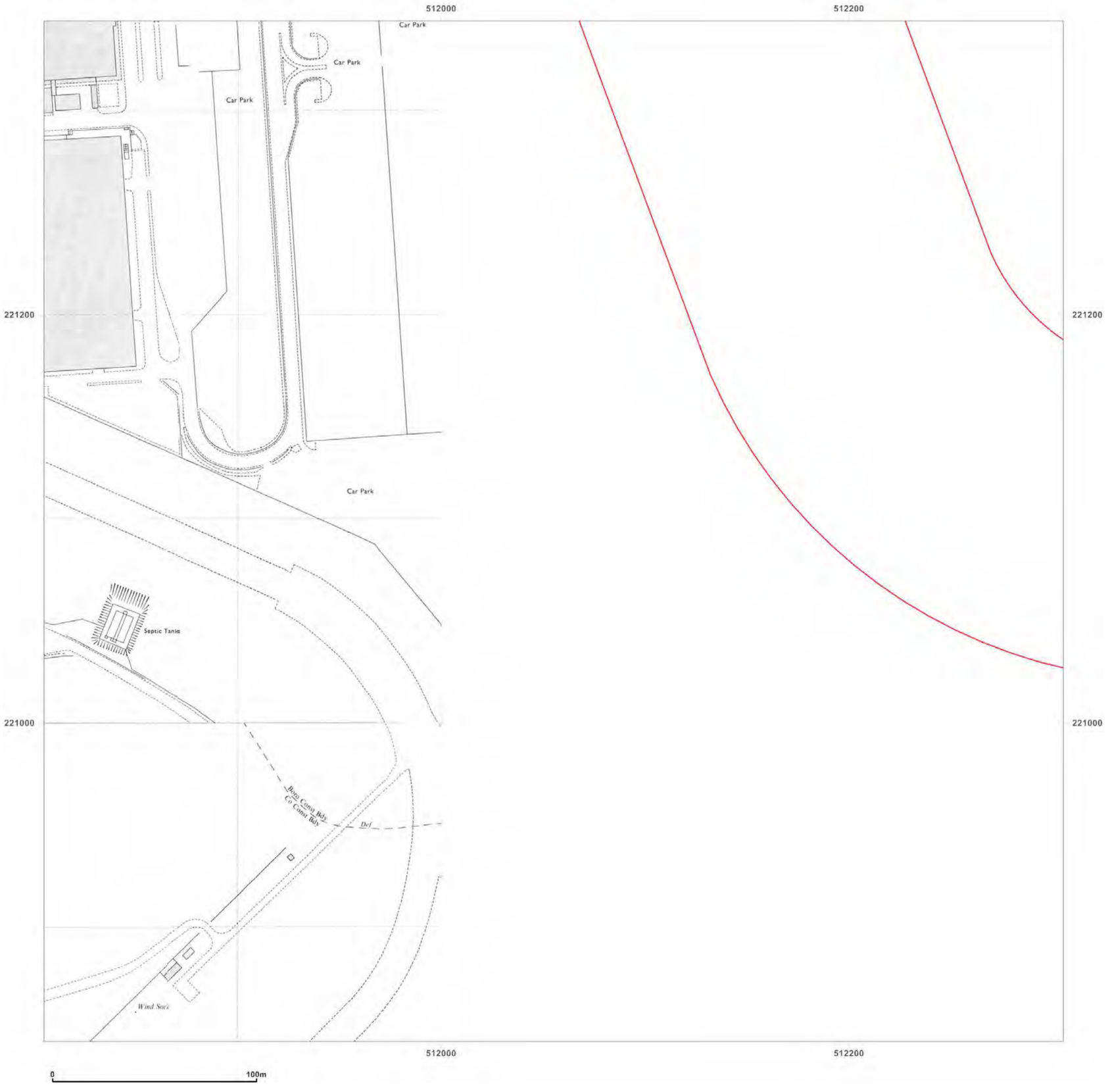

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1968-1973**

Scale: 1:1,250

Printed at: 1:2,000

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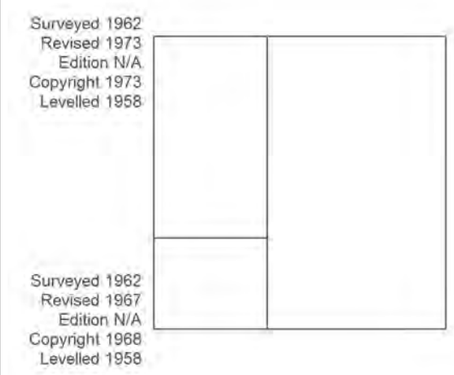

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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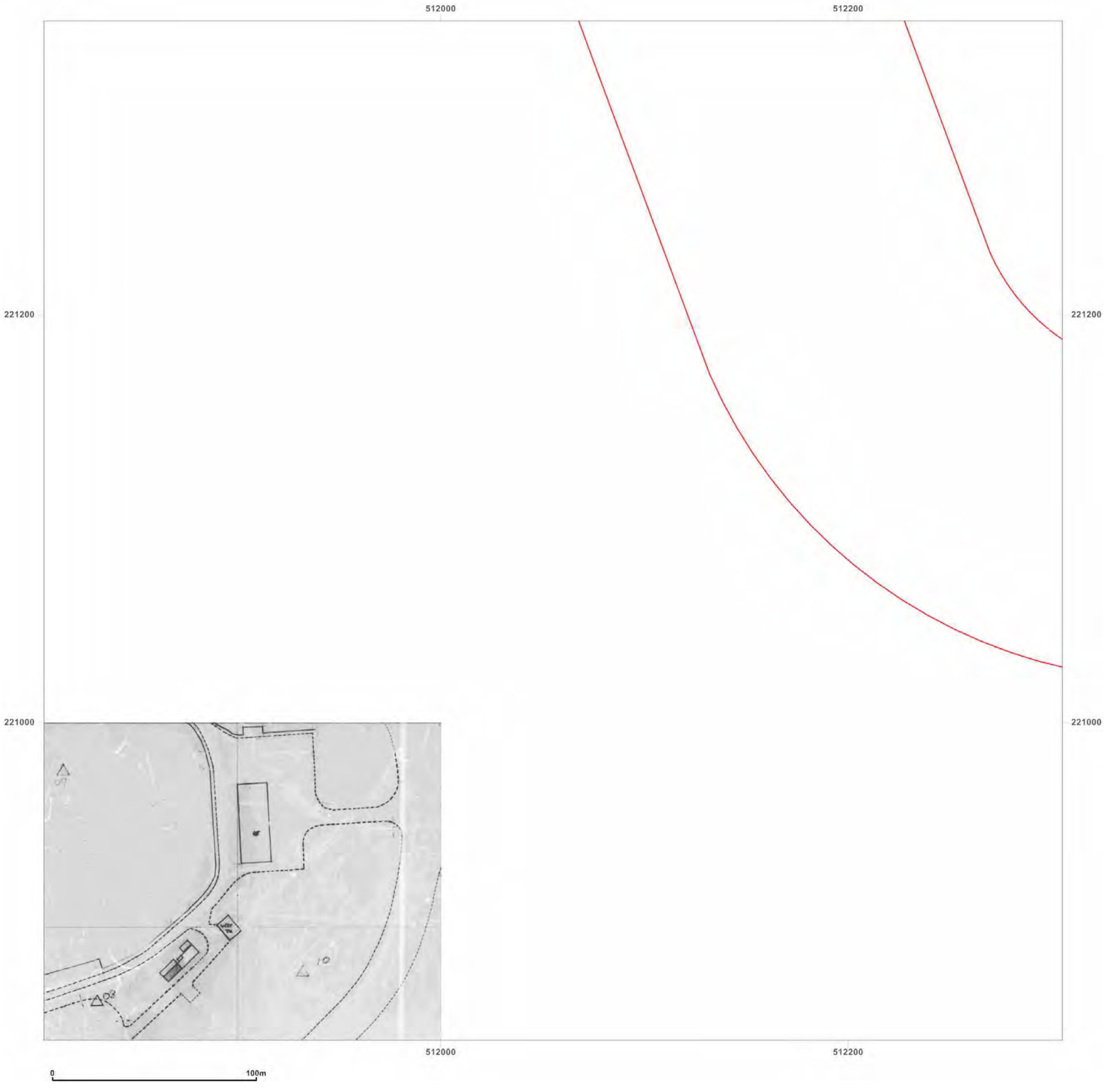

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1973**

Scale: 1:1,250

Printed at: 1:2,000

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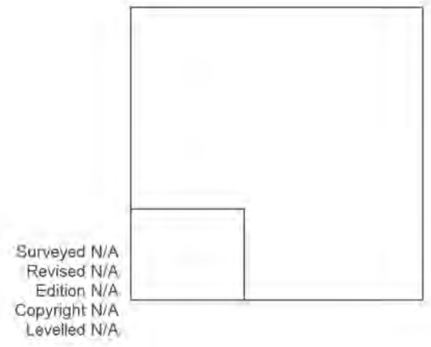
S



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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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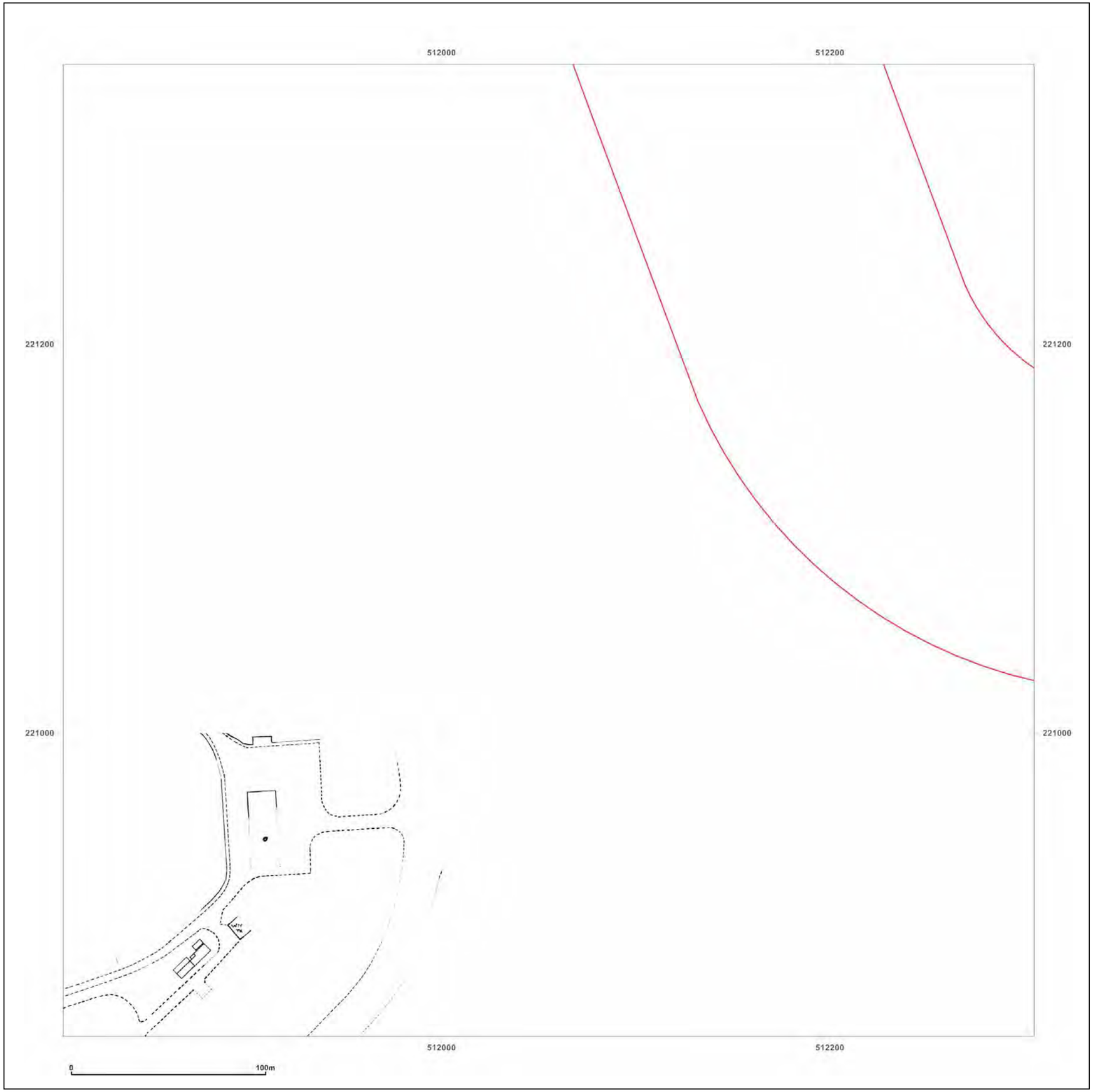

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1975**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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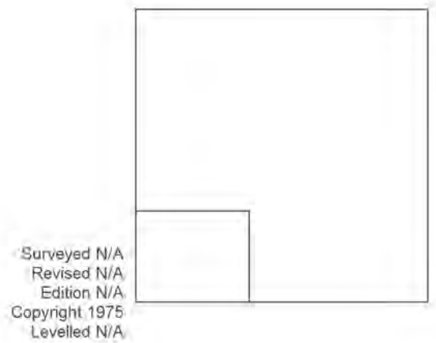

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E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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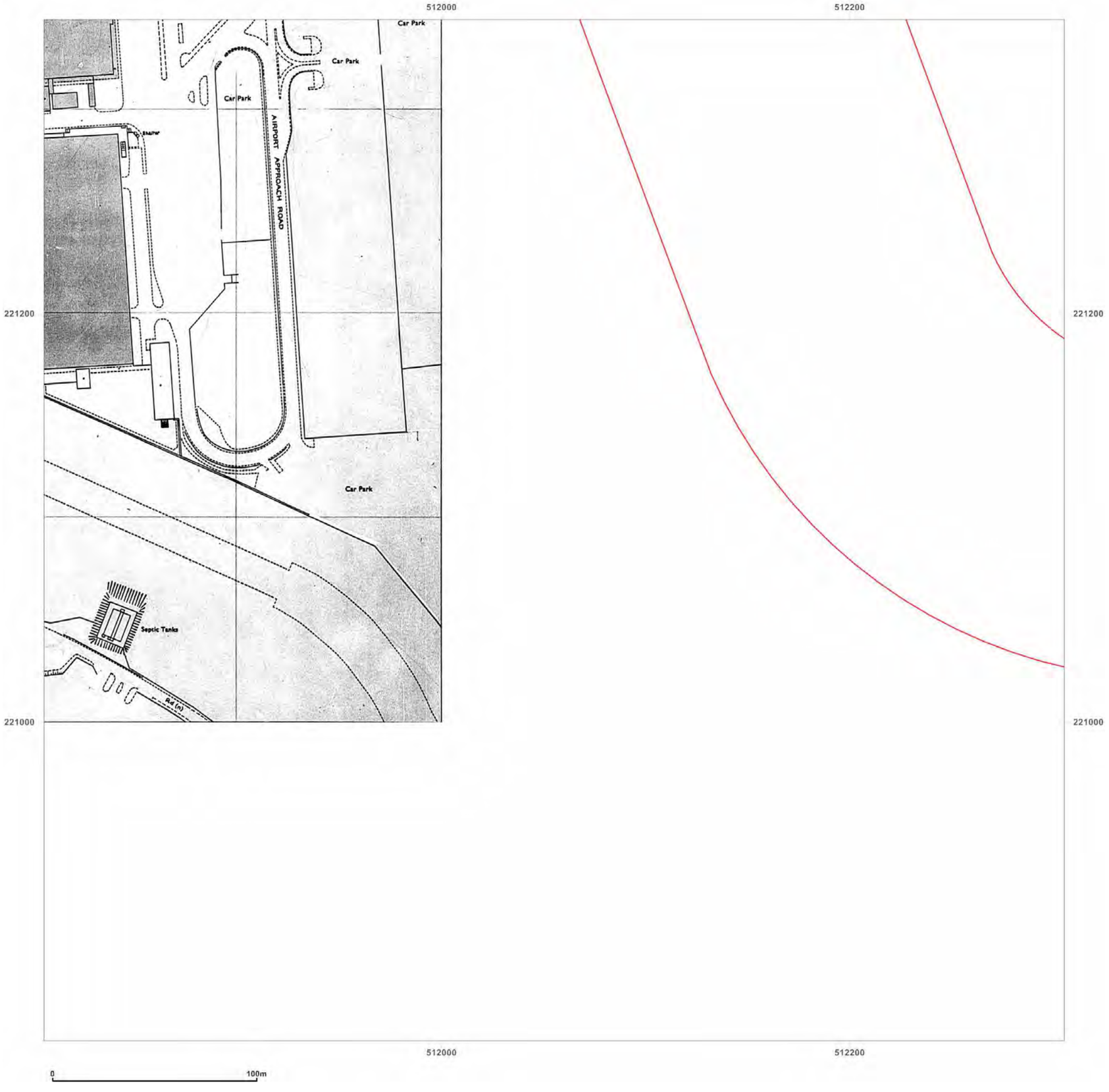

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid
Map date: **1981**
Scale: 1:1,250
Printed at: 1:2,000

N
W E
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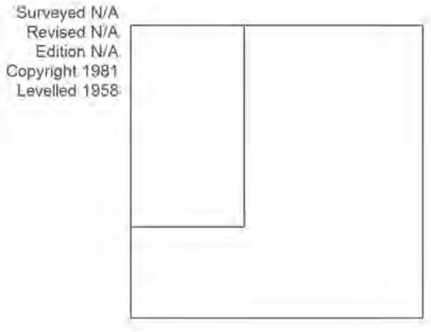

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Production date: 16 October 2018

Map legend available at:
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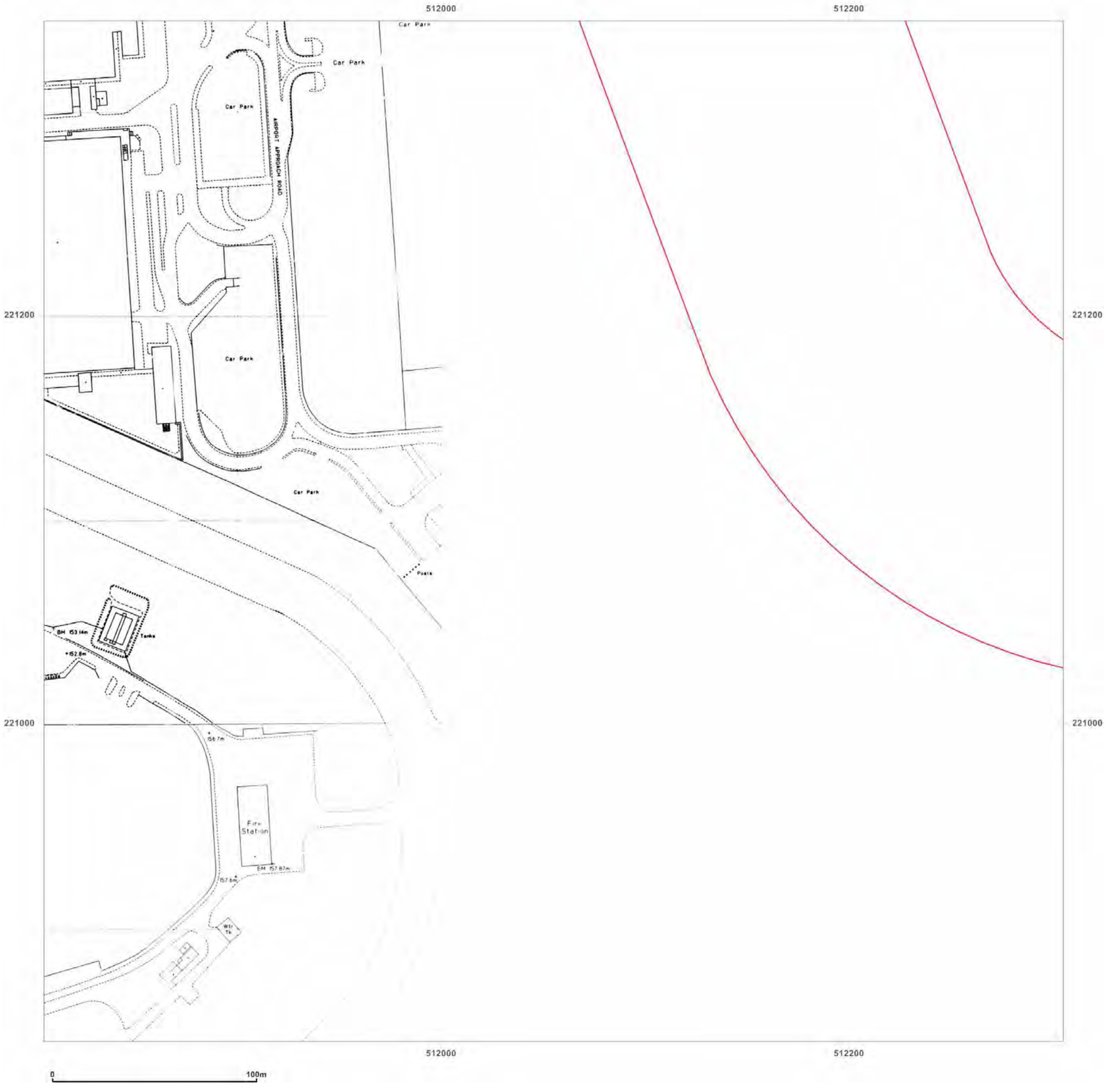

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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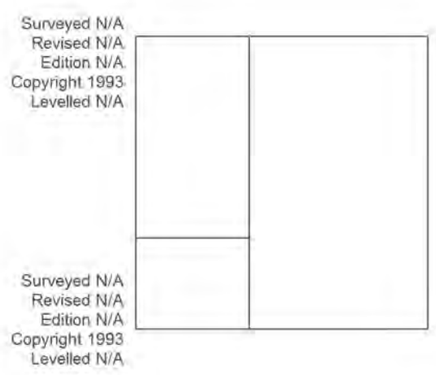

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T: 08444 159000
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[REDACTED]

Production date: 16 October 2018

Map legend available at:
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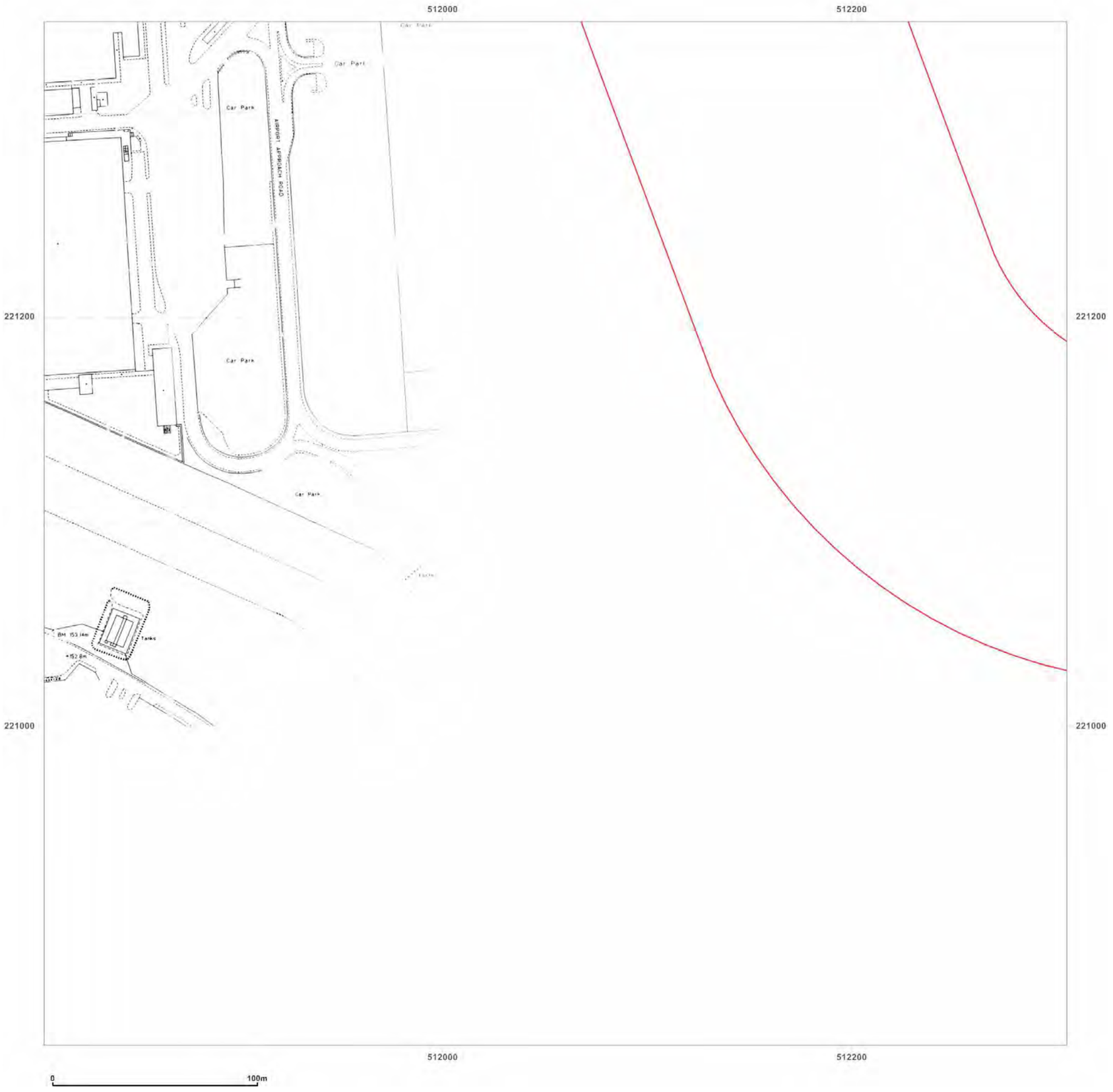

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid
Map date: **1993**
Scale: 1:1,250
Printed at: 1:2,000

N
W E
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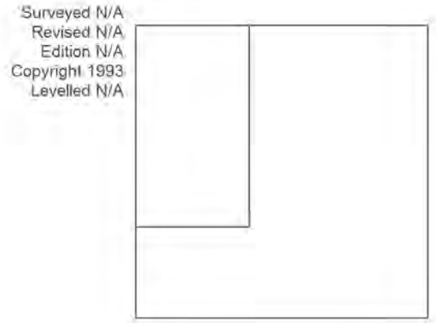

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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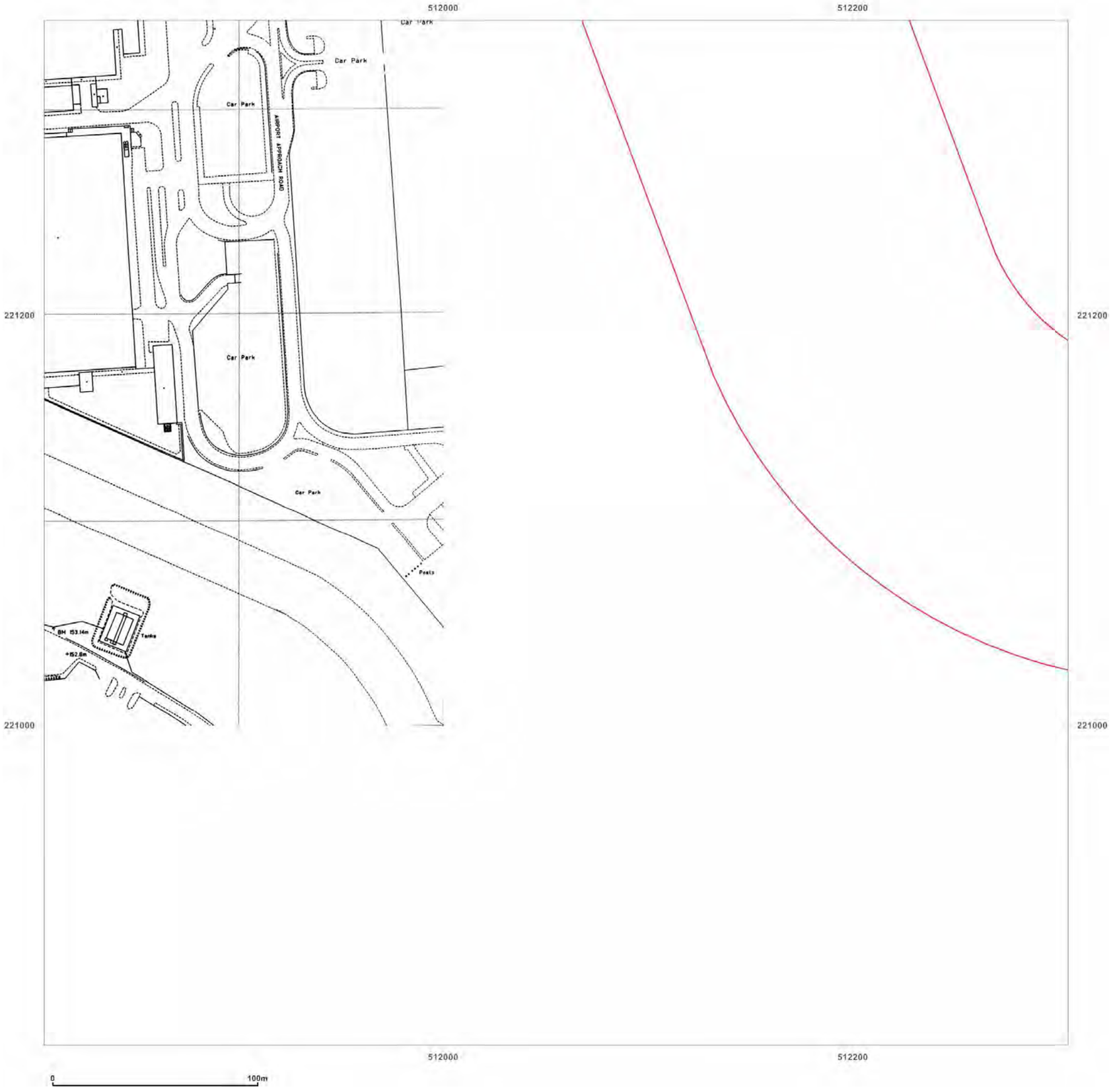

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_1
Grid Ref: 512055, 221094

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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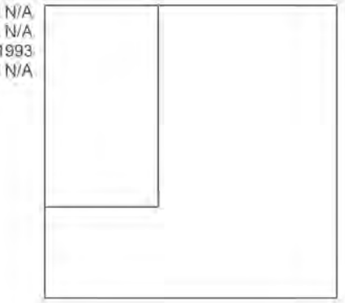
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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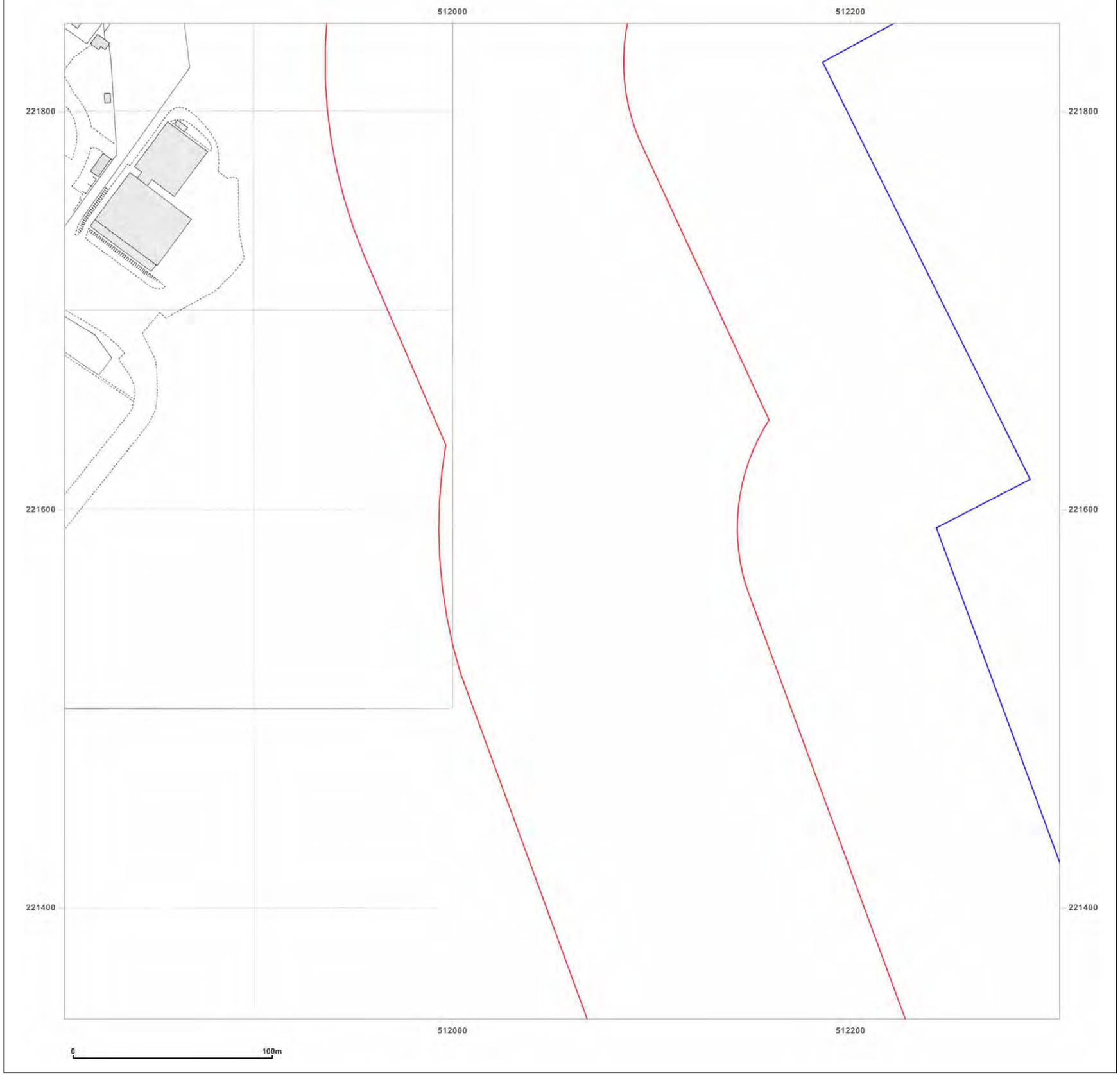

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1962-1963**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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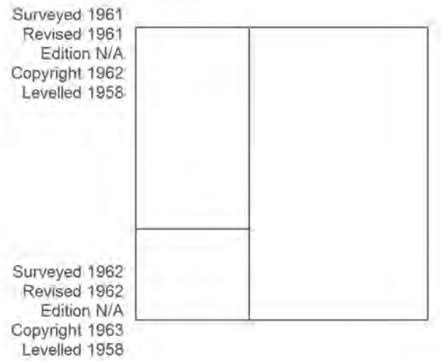

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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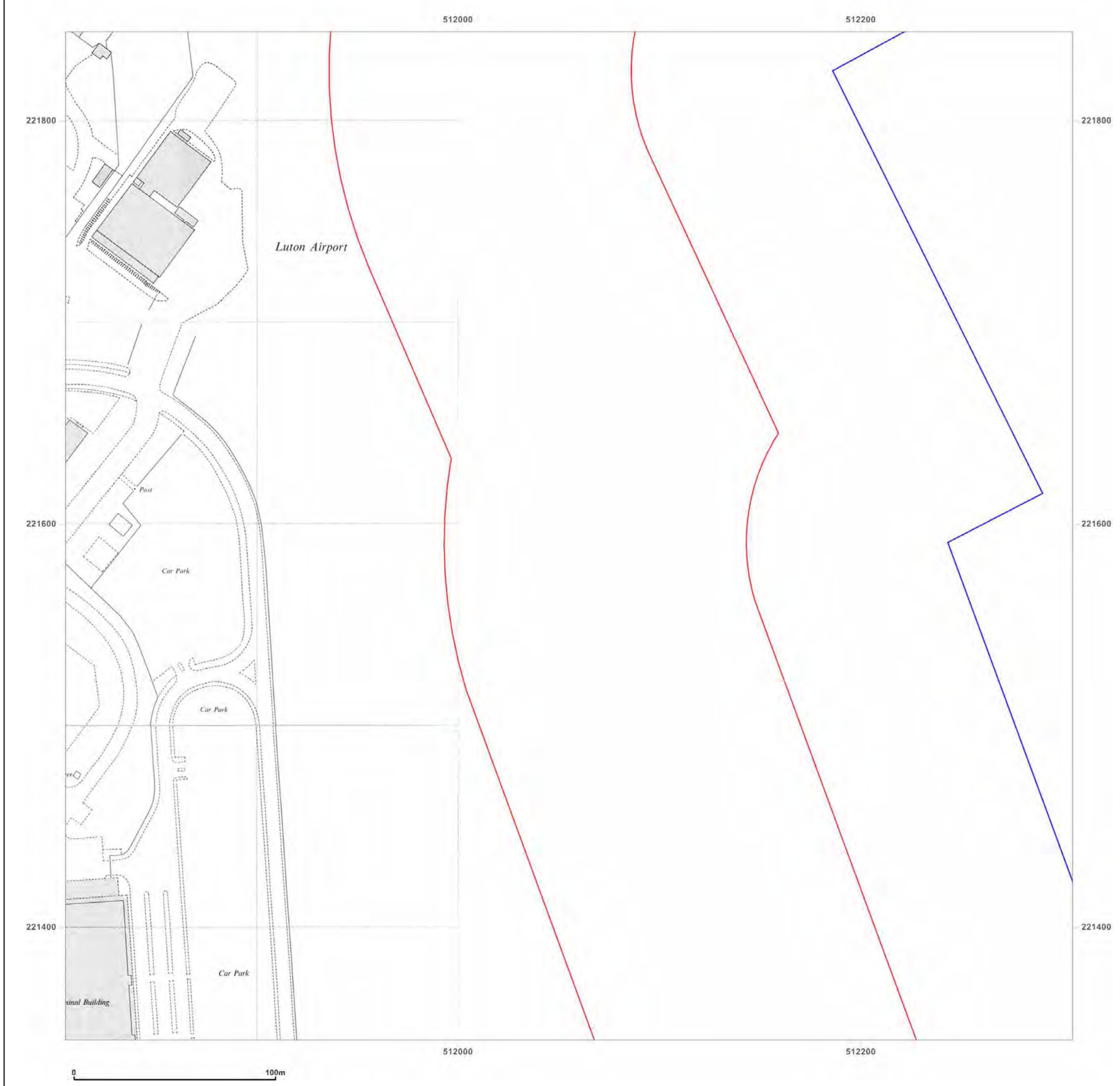

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1967-1968**

Scale: 1:1,250

Printed at: 1:2,000

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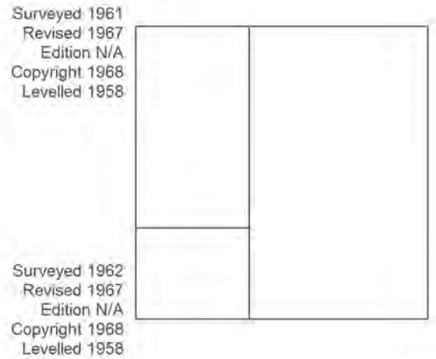

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E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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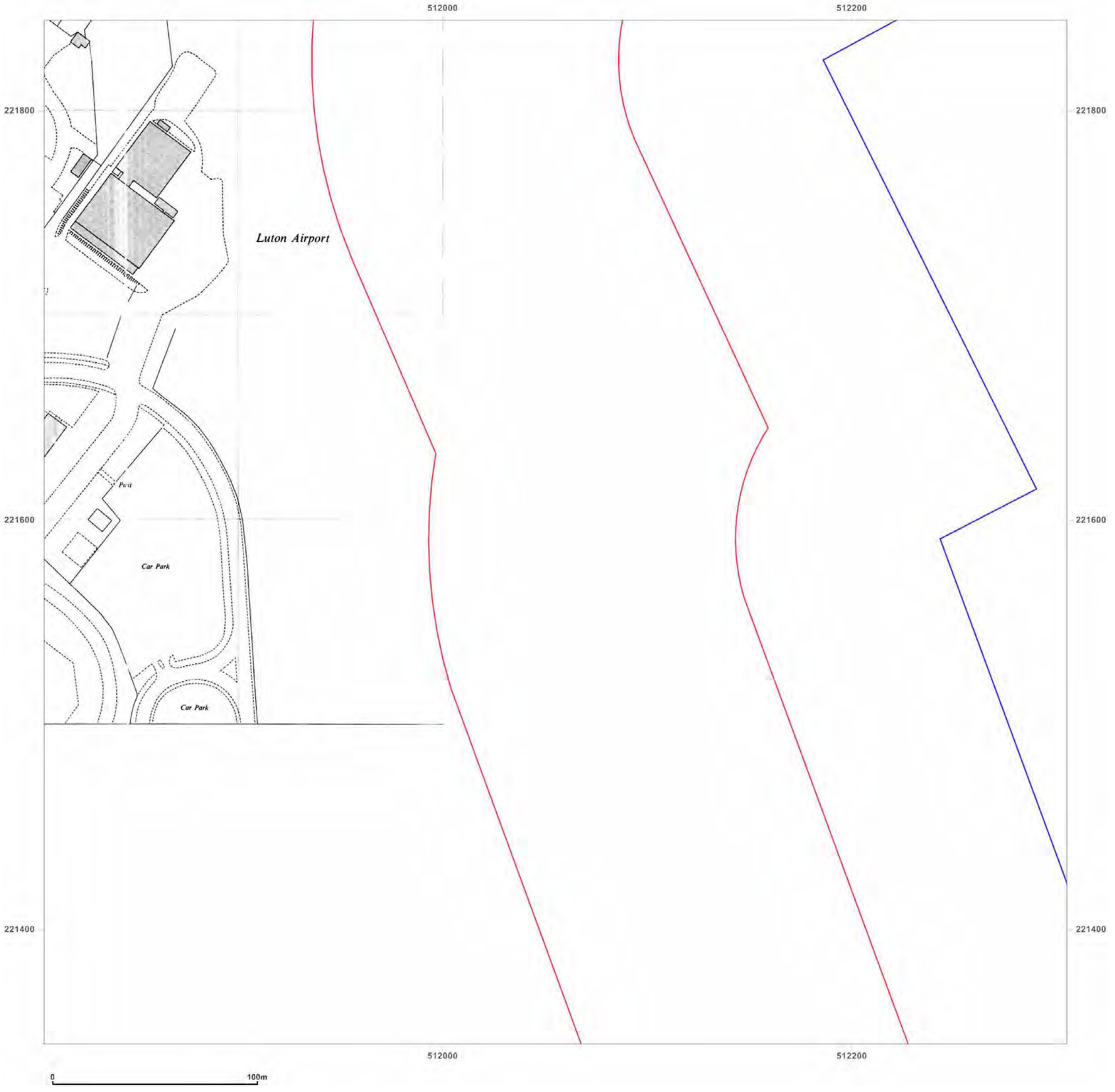

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1968**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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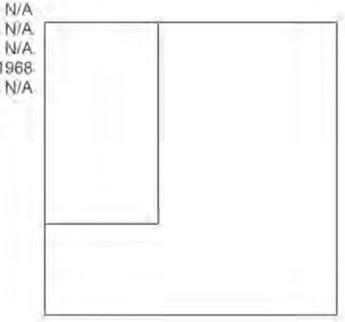
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1968
Levelled N/A



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Production date: 16 October 2018

Map legend available at:
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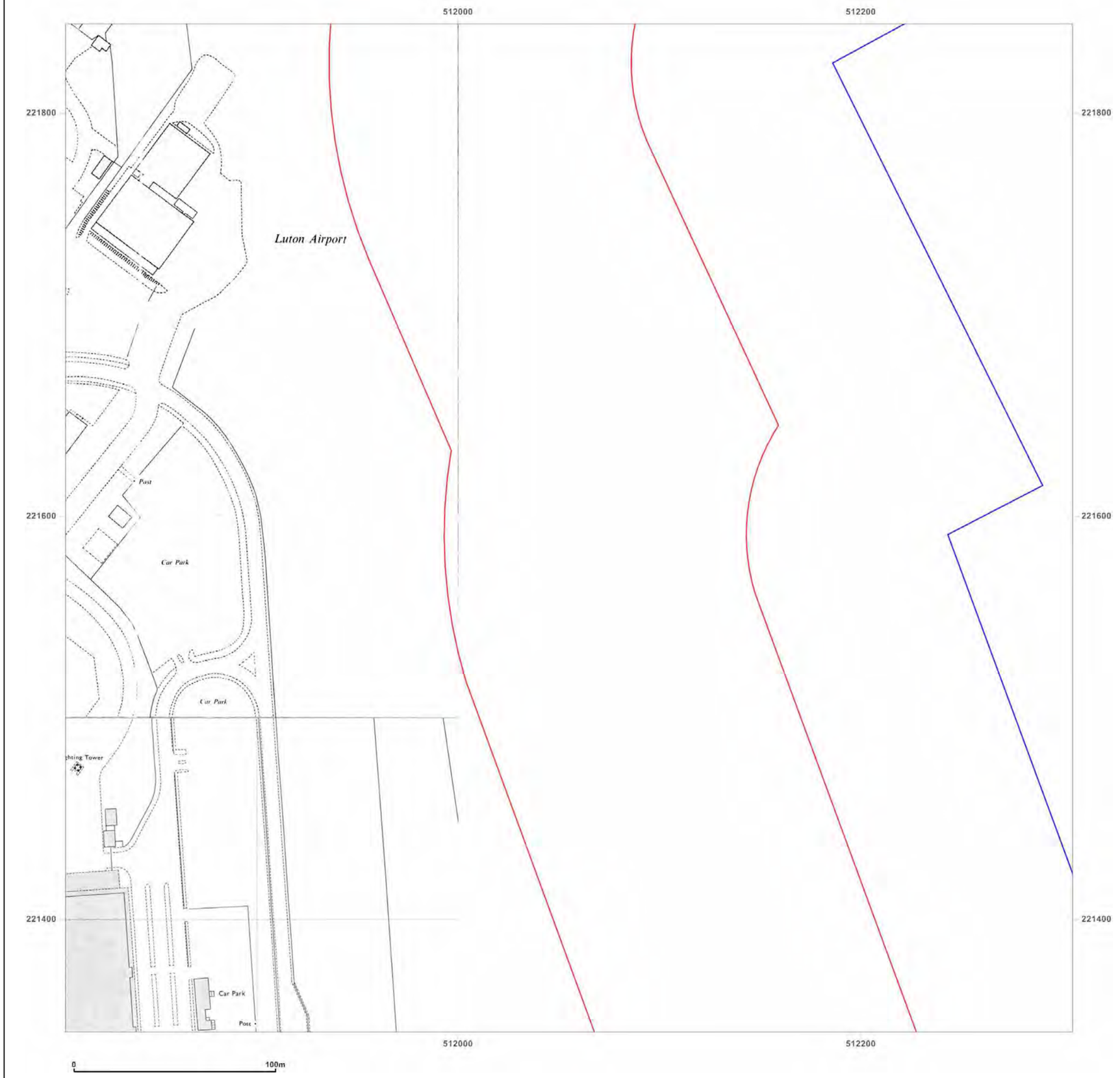

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1968-1973**

Scale: 1:1,250

Printed at: 1:2,000

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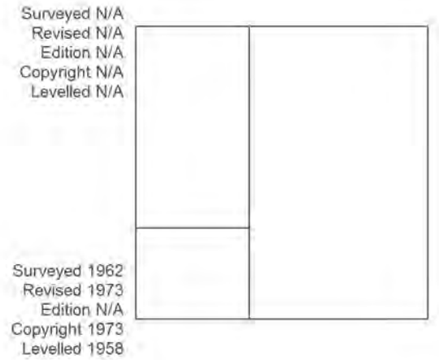

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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1981**

Scale: 1:1,250

Printed at: 1:2,000

N
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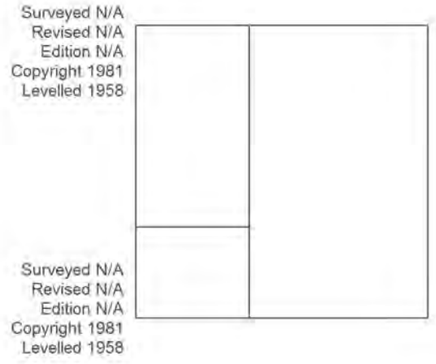

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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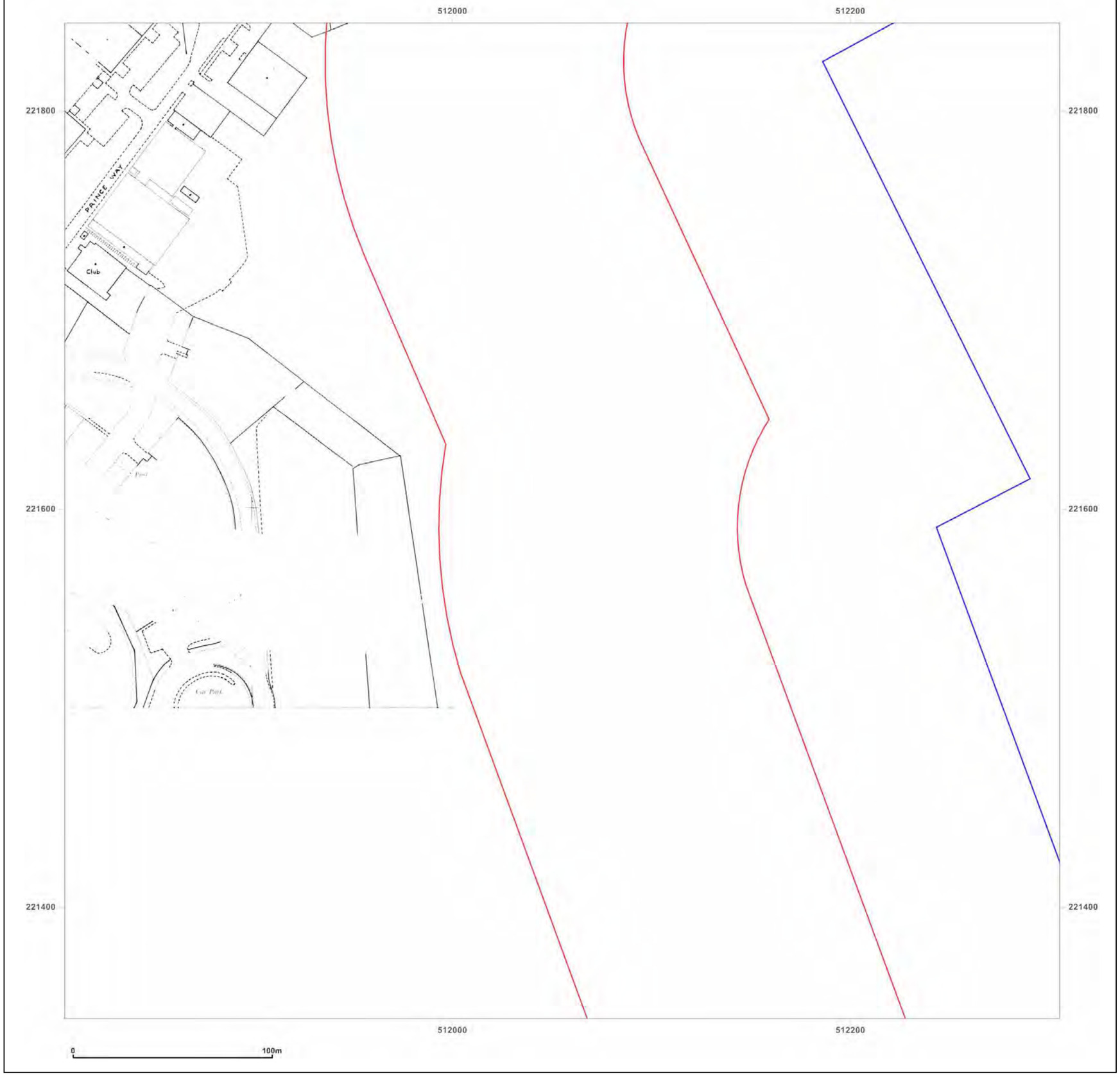

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1987**

Scale: 1:1,250

Printed at: 1:2,000

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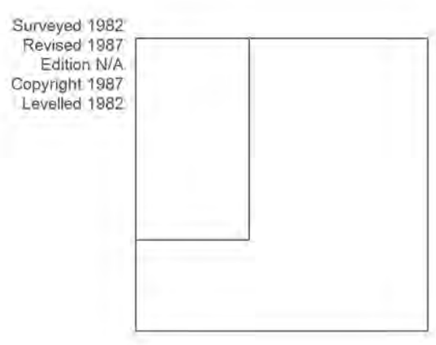

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T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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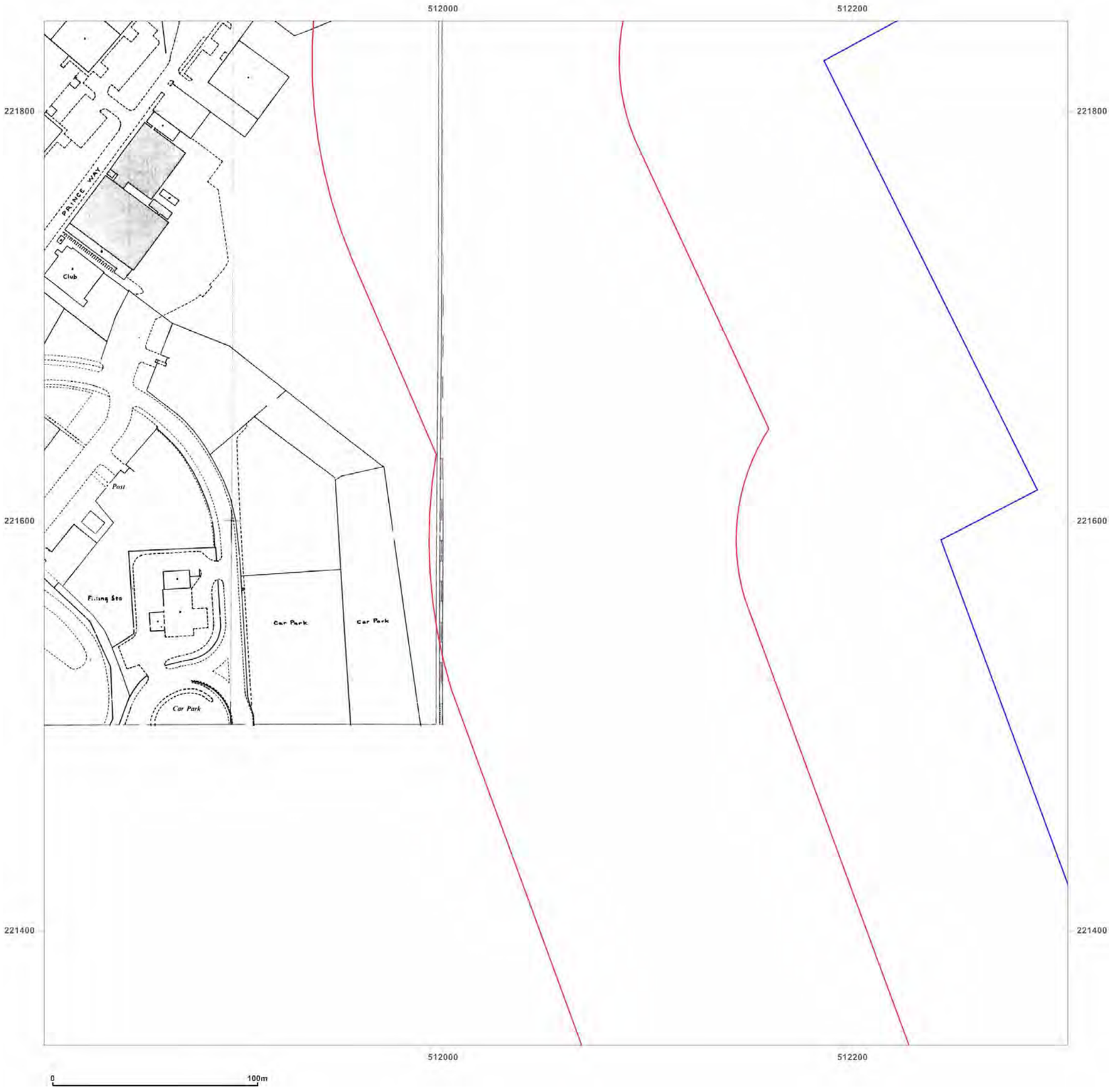

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid
Map date: **1987**
Scale: 1:1,250
Printed at: 1:2,000

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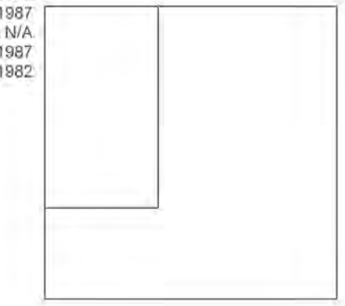
Surveyed 1982
Revised 1987
Edition N/A
Copyright 1987
Levelled 1982



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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:1,250

Printed at: 1:2,000

N
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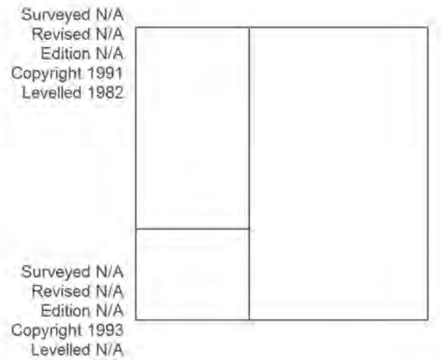

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Production date: 16 October 2018

Map legend available at:
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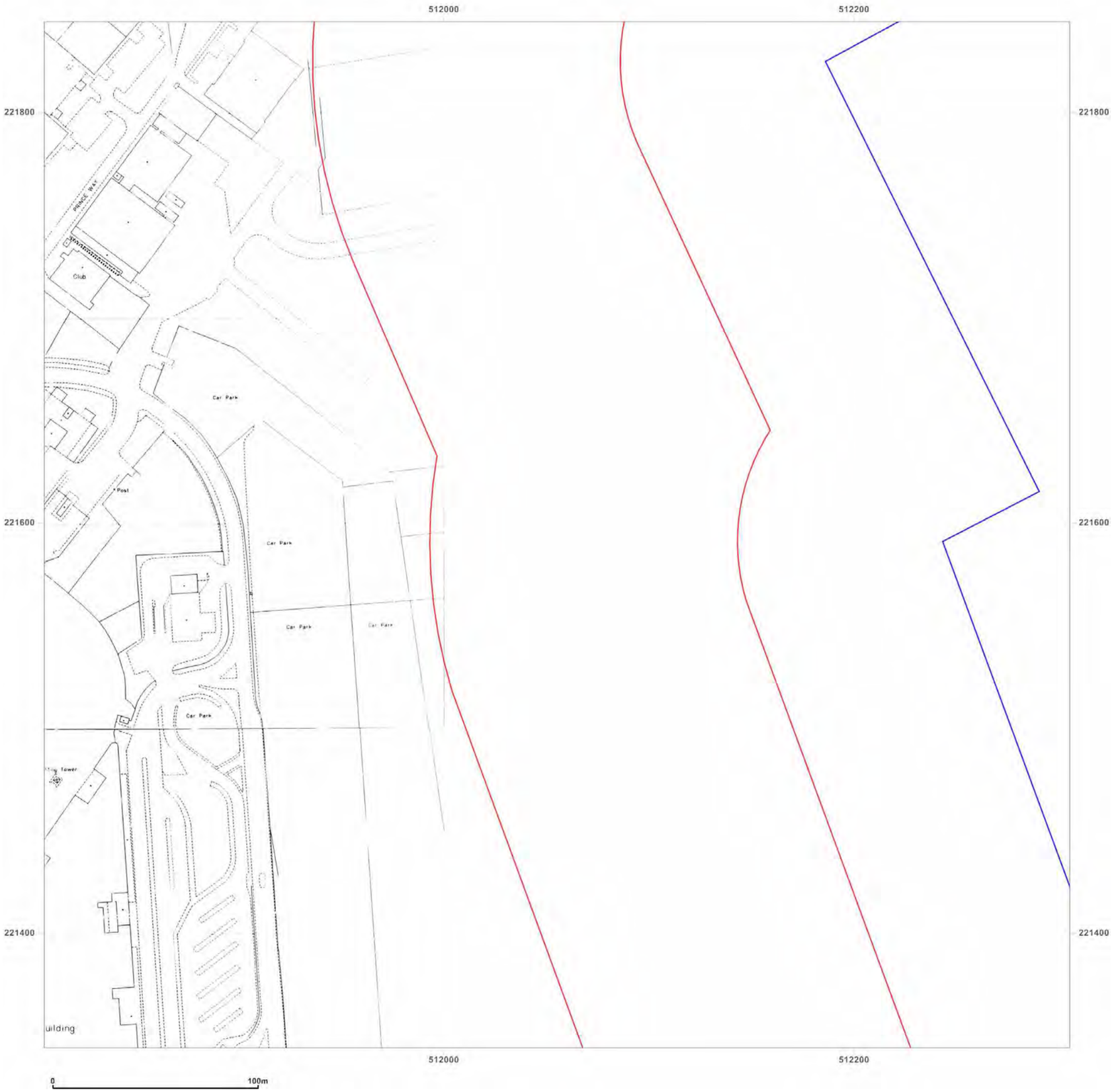

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

N
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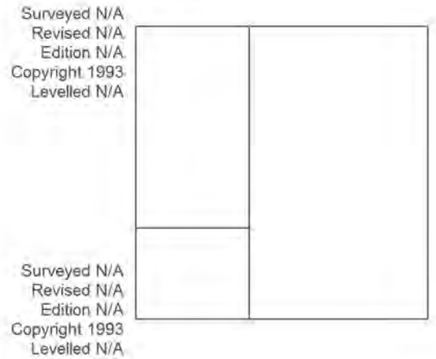

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:1,250

Printed at: 1:2,000

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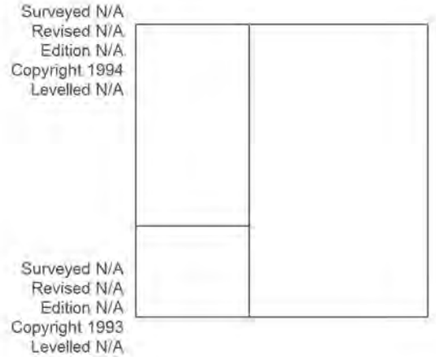

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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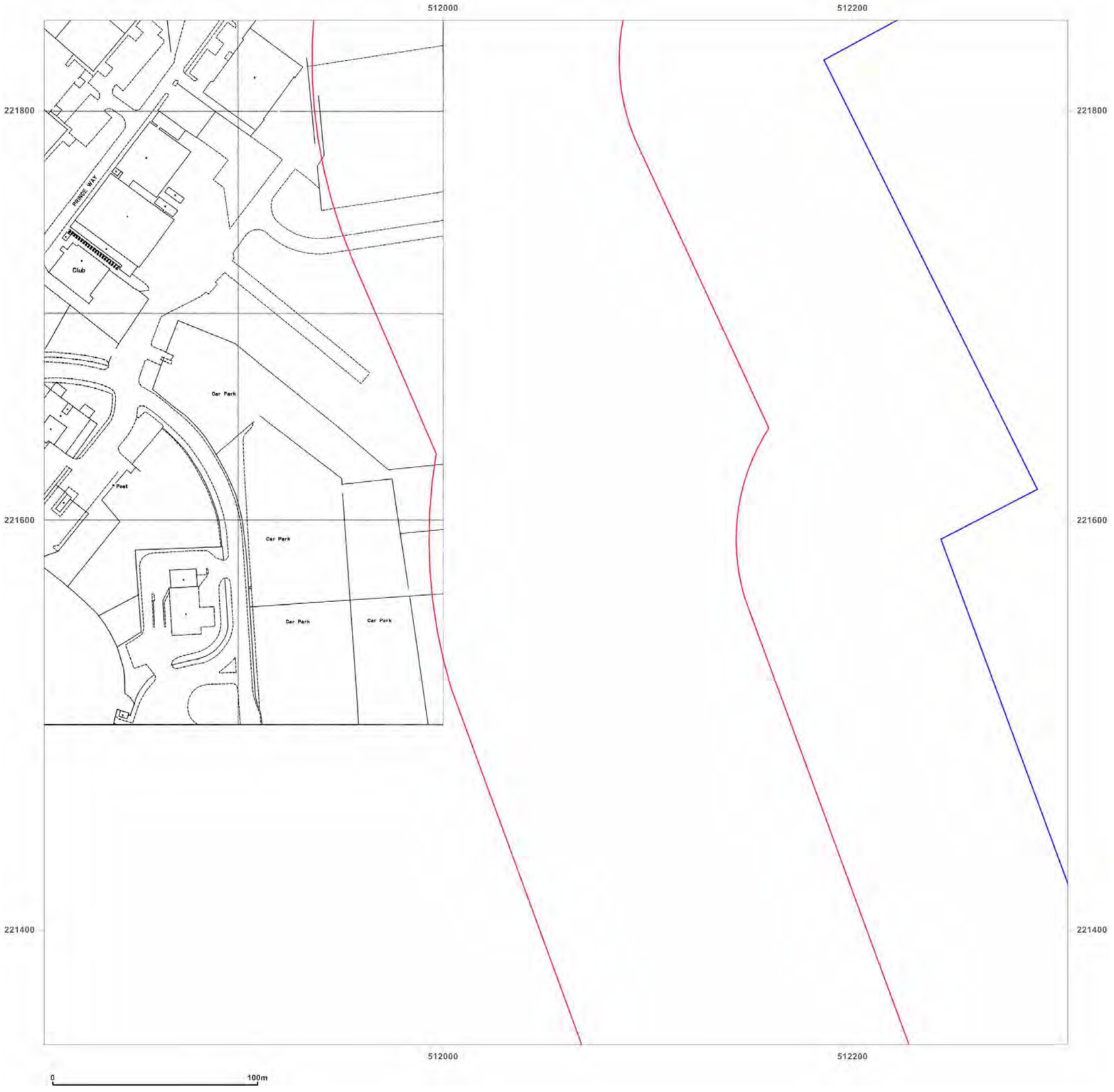

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_2
Grid Ref: 512055, 221594

Map Name: National Grid

Map date: **1994**

Scale: 1:1,250

Printed at: 1:2,000

N
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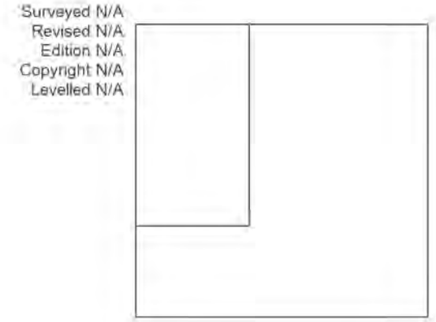

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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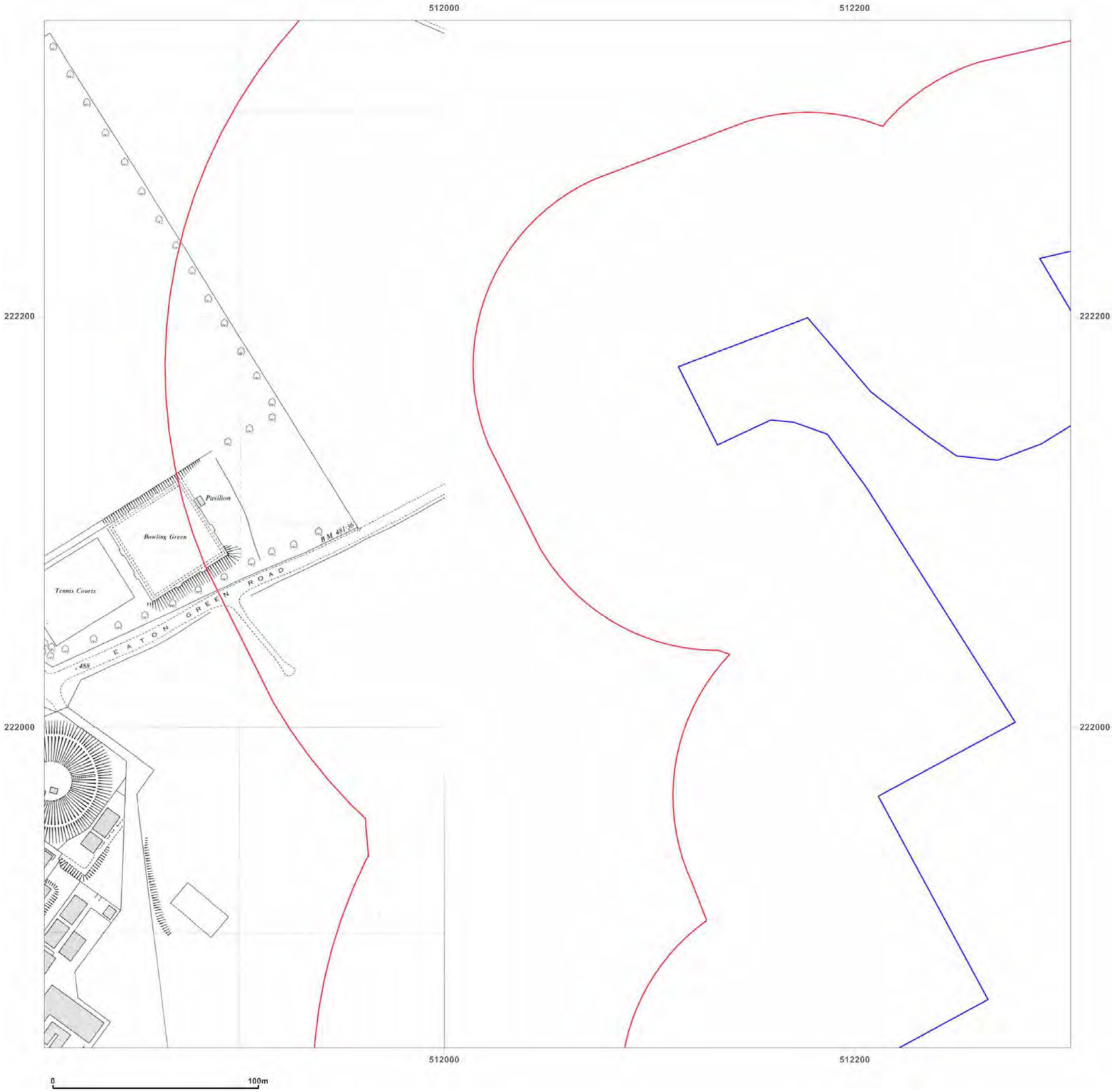

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1962**

Scale: 1:1,250

Printed at: 1:2,000

N
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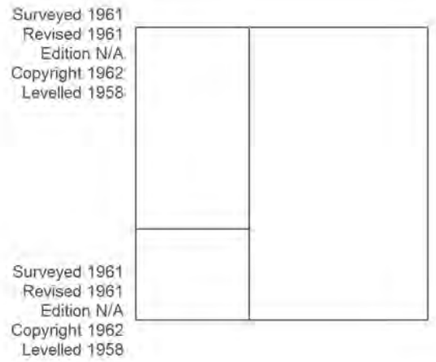

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Produced by
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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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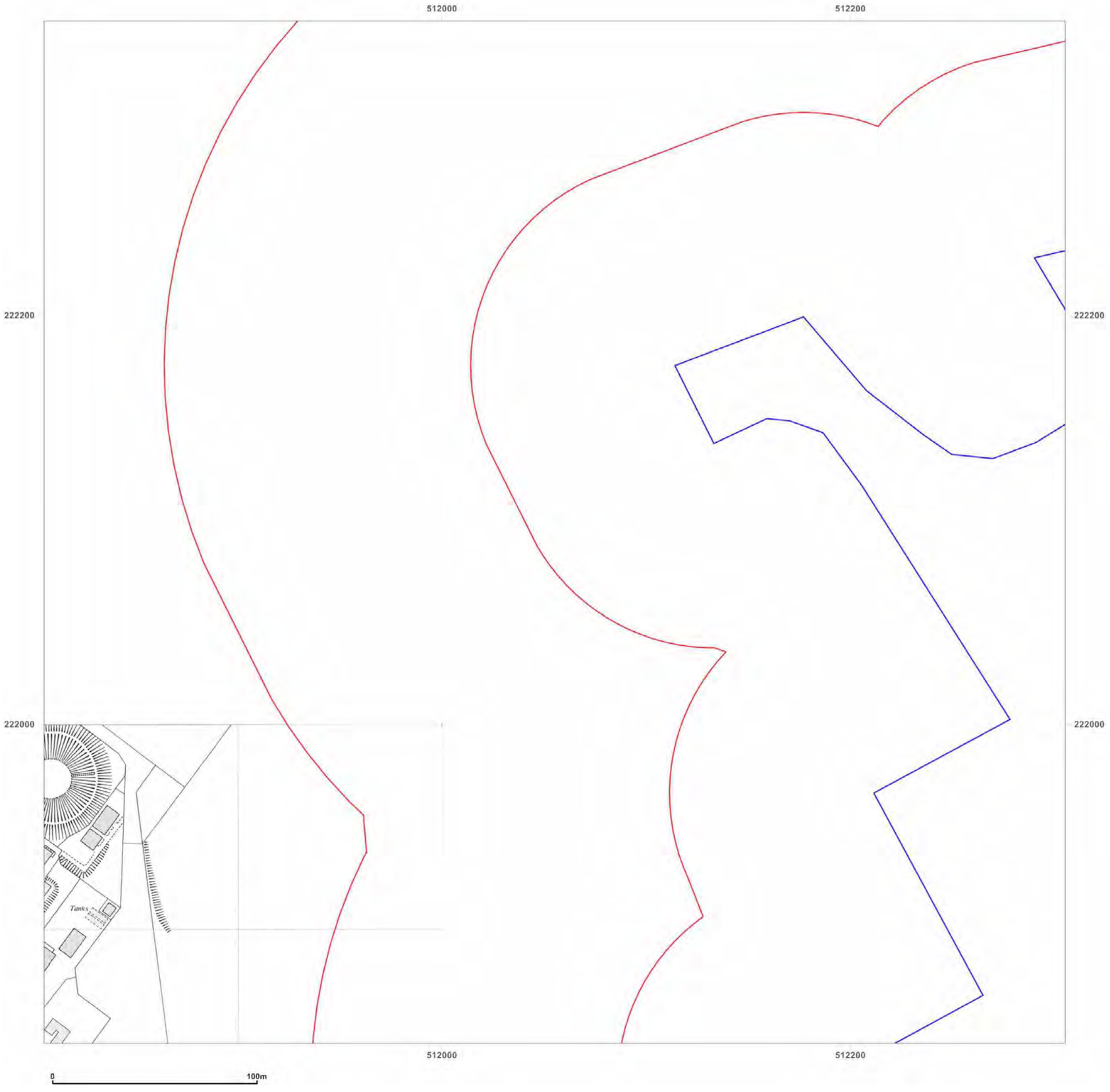

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1967**

Scale: 1:1,250

Printed at: 1:2,000

N
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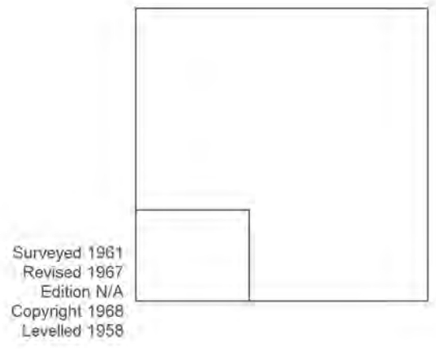

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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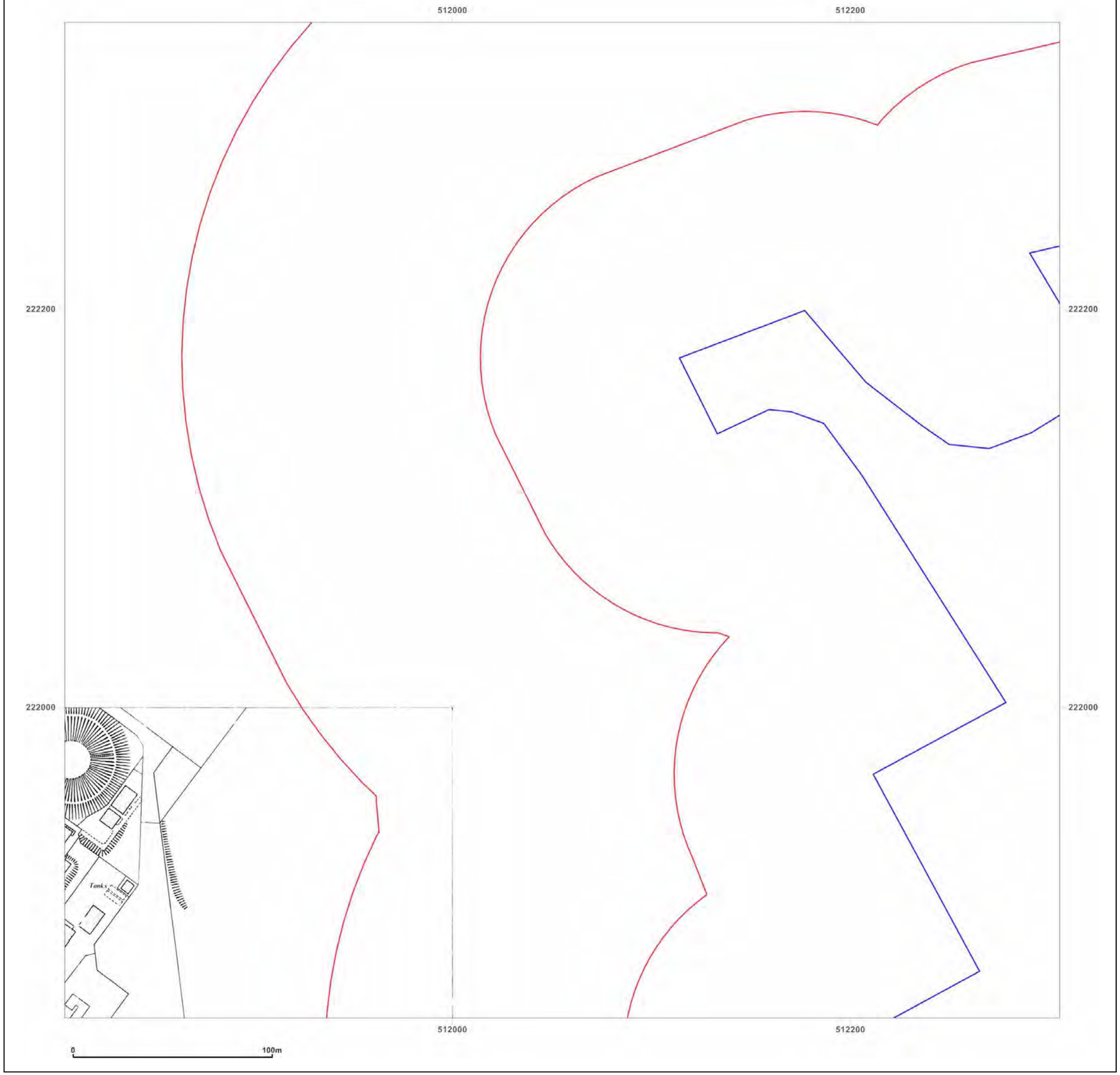

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1968**

Scale: 1:1,250

Printed at: 1:2,000

N
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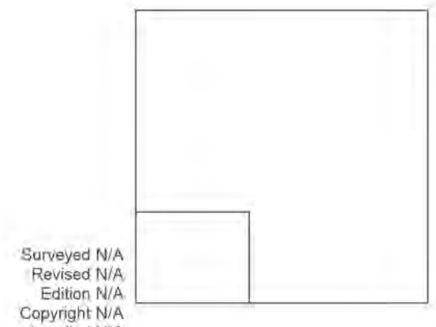

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Production date: 16 October 2018

Map legend available at:
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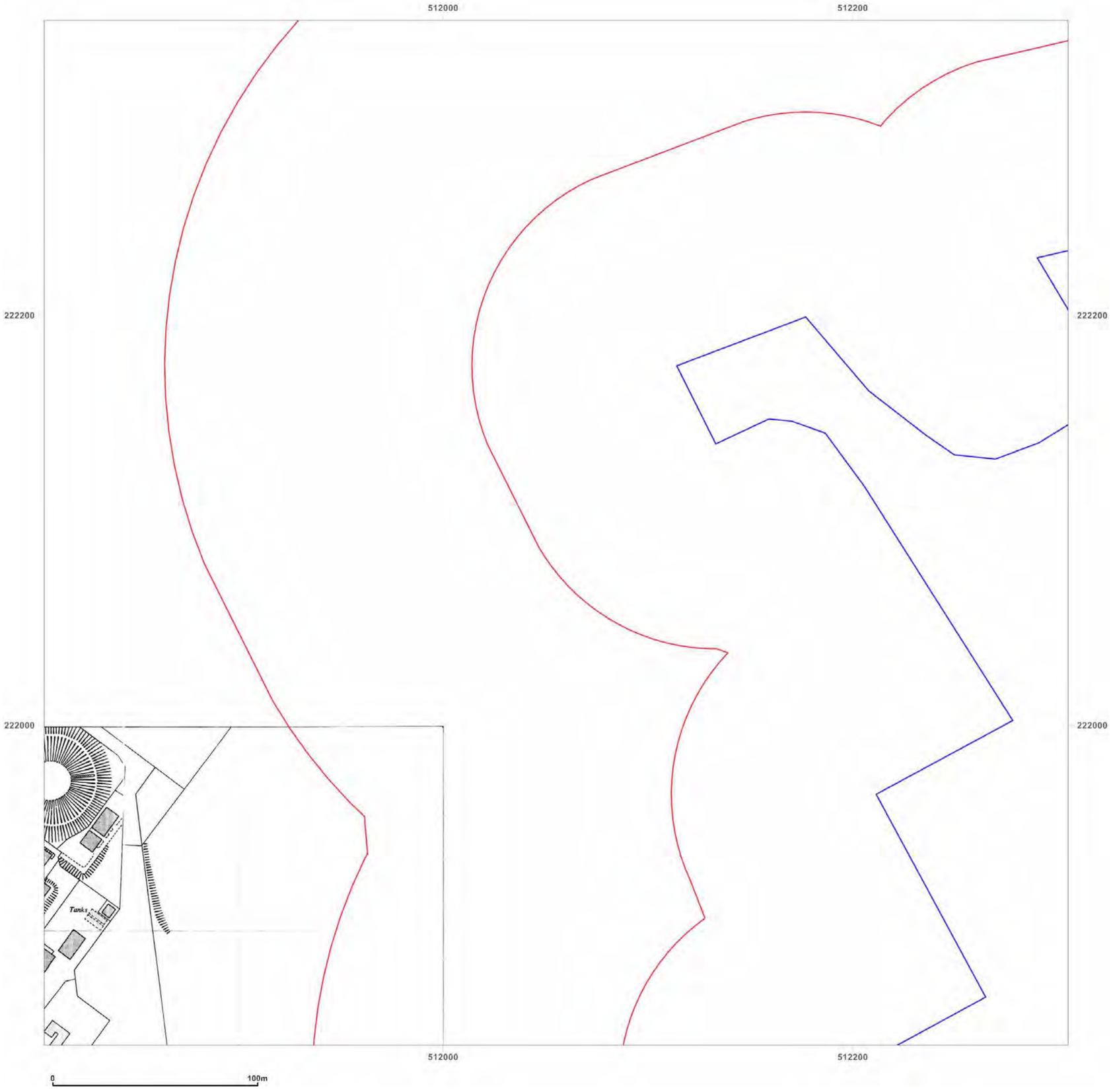

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1968**

Scale: 1:1,250

Printed at: 1:2,000

N
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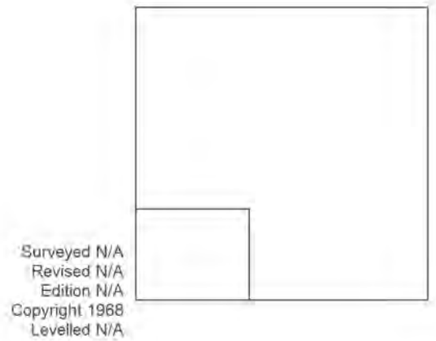

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[REDACTED]

Production date: 16 October 2018

Map legend available at:
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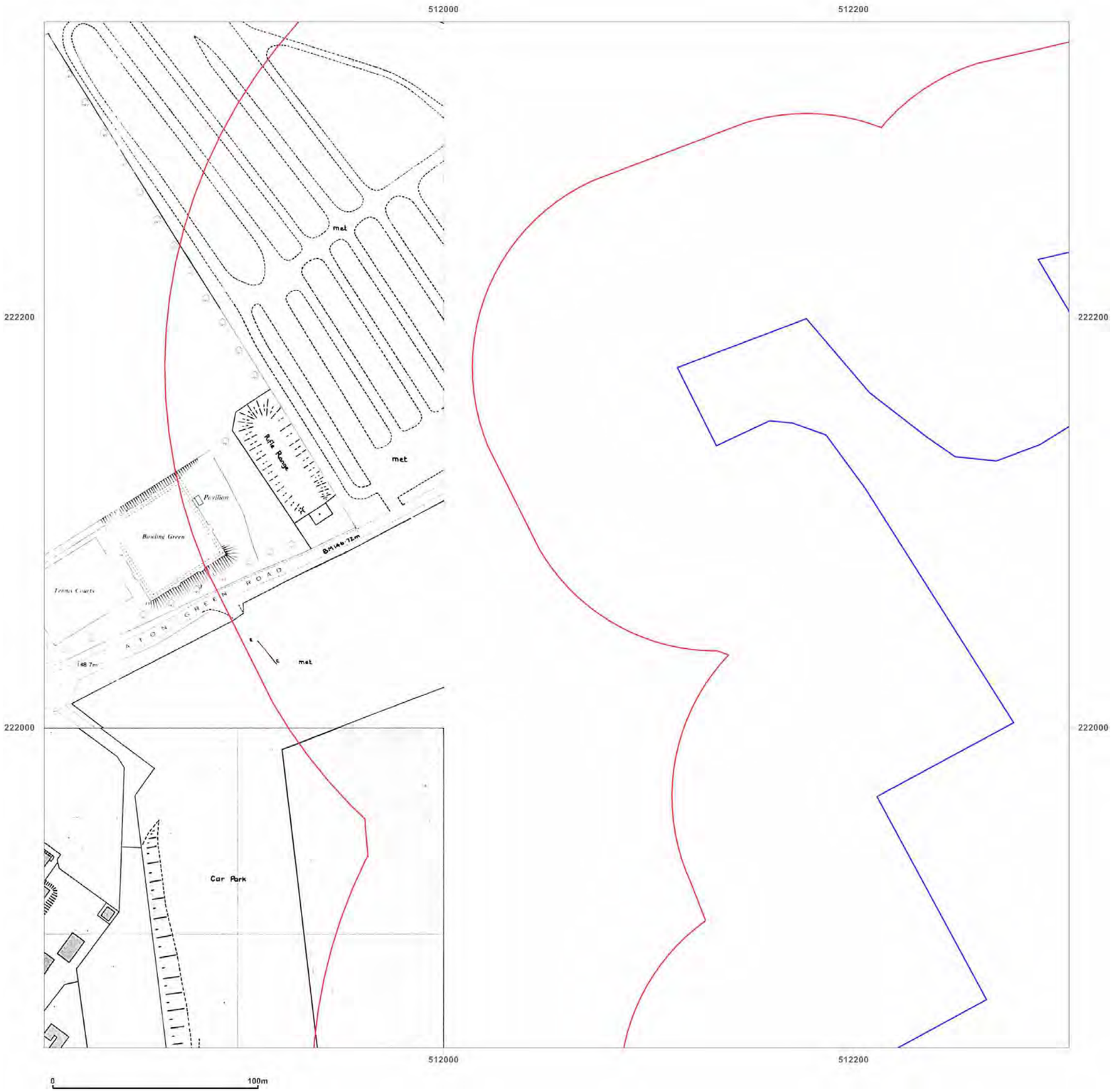

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1978-1981**

Scale: 1:1,250

Printed at: 1:2,000

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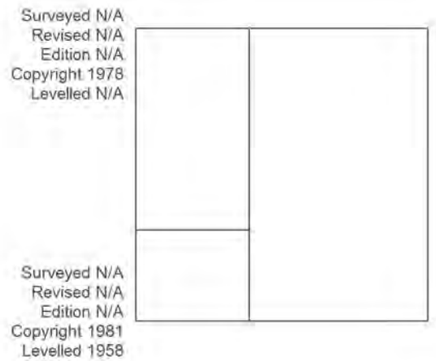

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid
Map date: **1981**
Scale: 1:1,250
Printed at: 1:2,000

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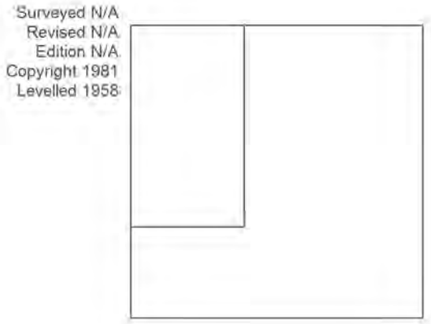

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Production date: 16 October 2018

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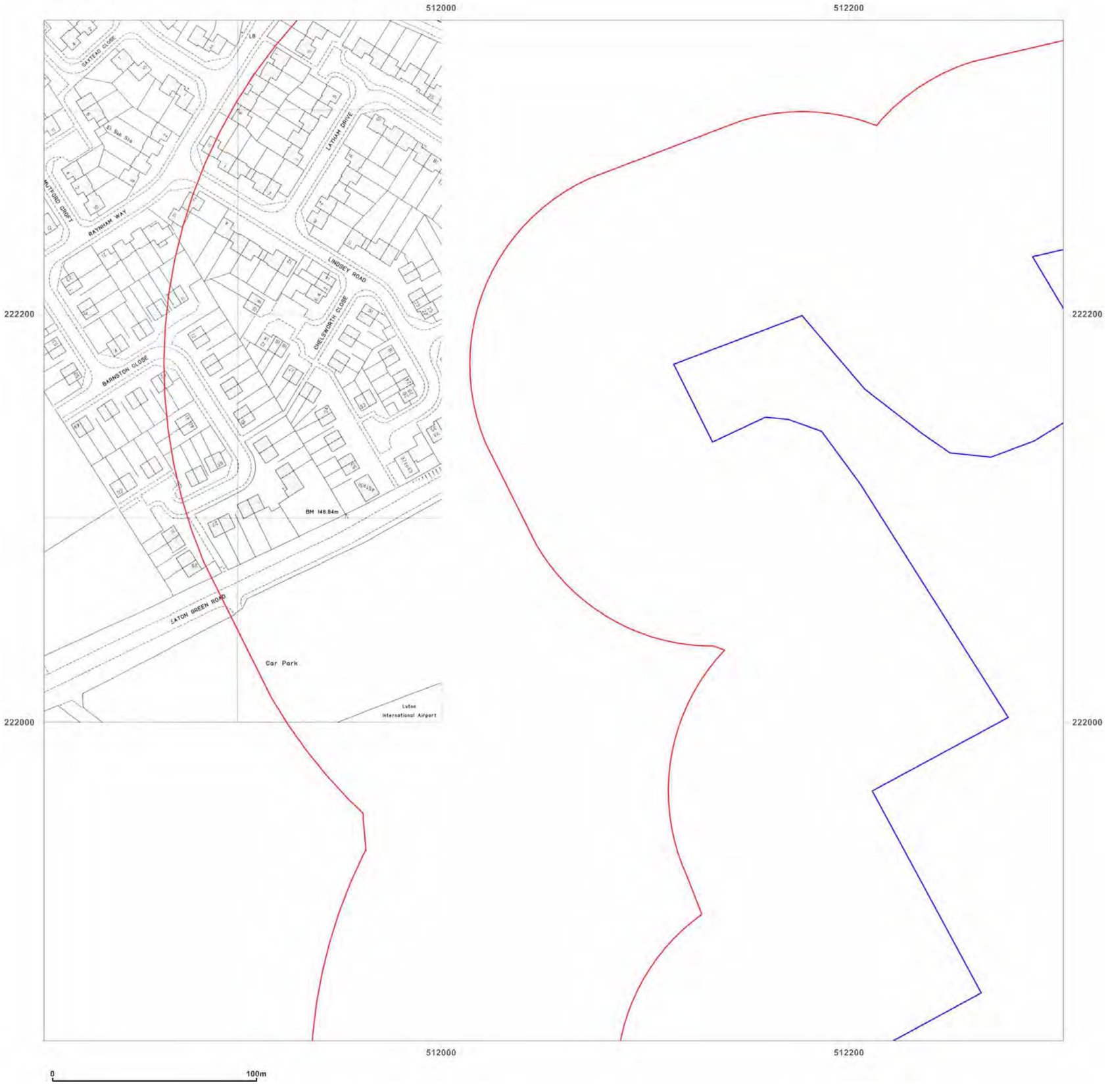

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1985**

Scale: 1:1,250

Printed at: 1:2,000

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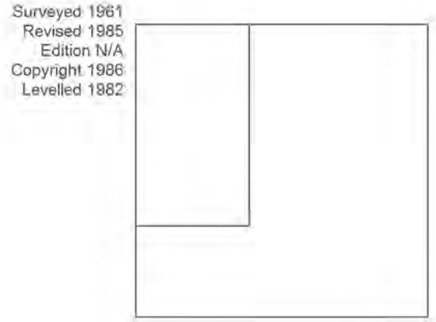

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid
Map date: **1982-1987**
Scale: 1:1,250
Printed at: 1:2,000

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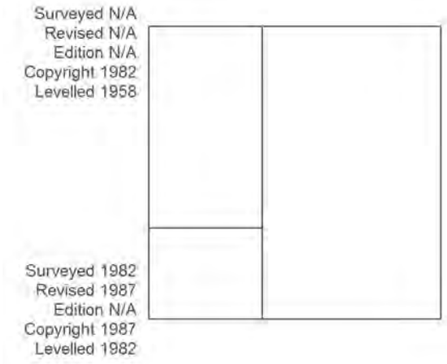

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1982-1987**

Scale: 1:1,250

Printed at: 1:2,000

N
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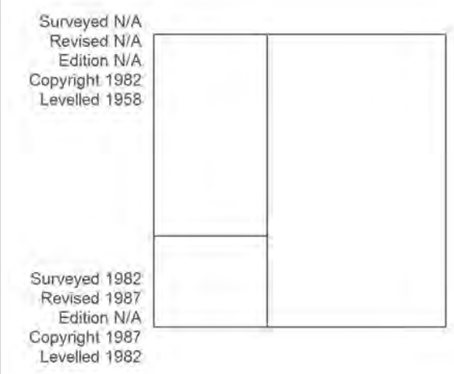

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Production date: 16 October 2018

Map legend available at:
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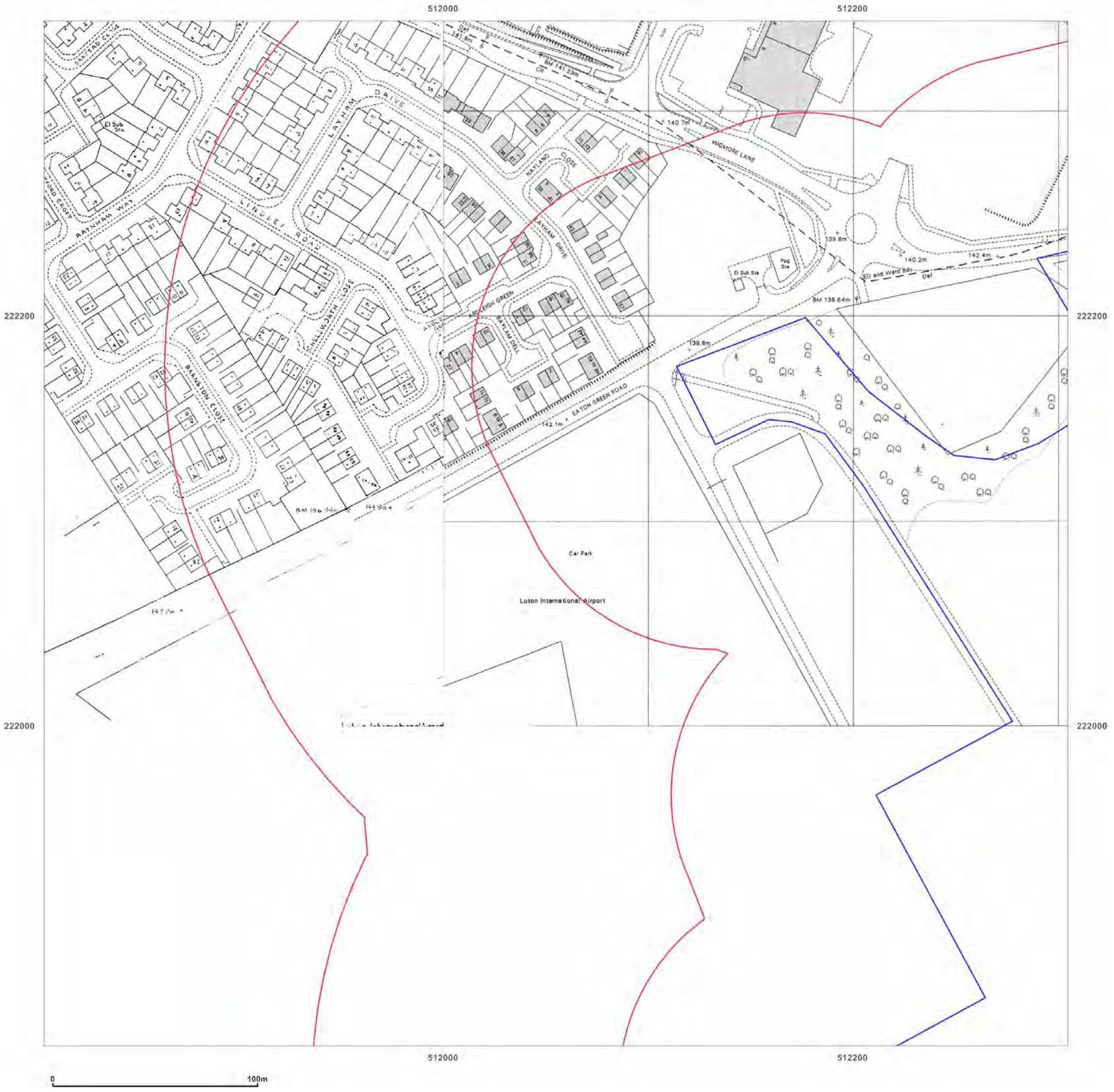

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1984-1989**

Scale: 1:1,250

Printed at: 1:2,000

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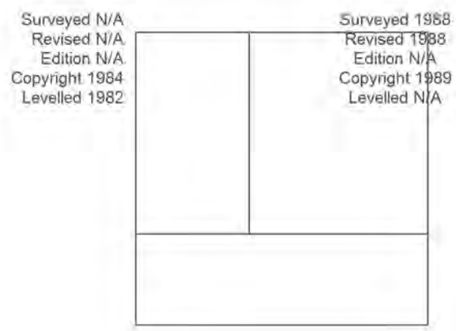

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Production date: 16 October 2018

Map legend available at:
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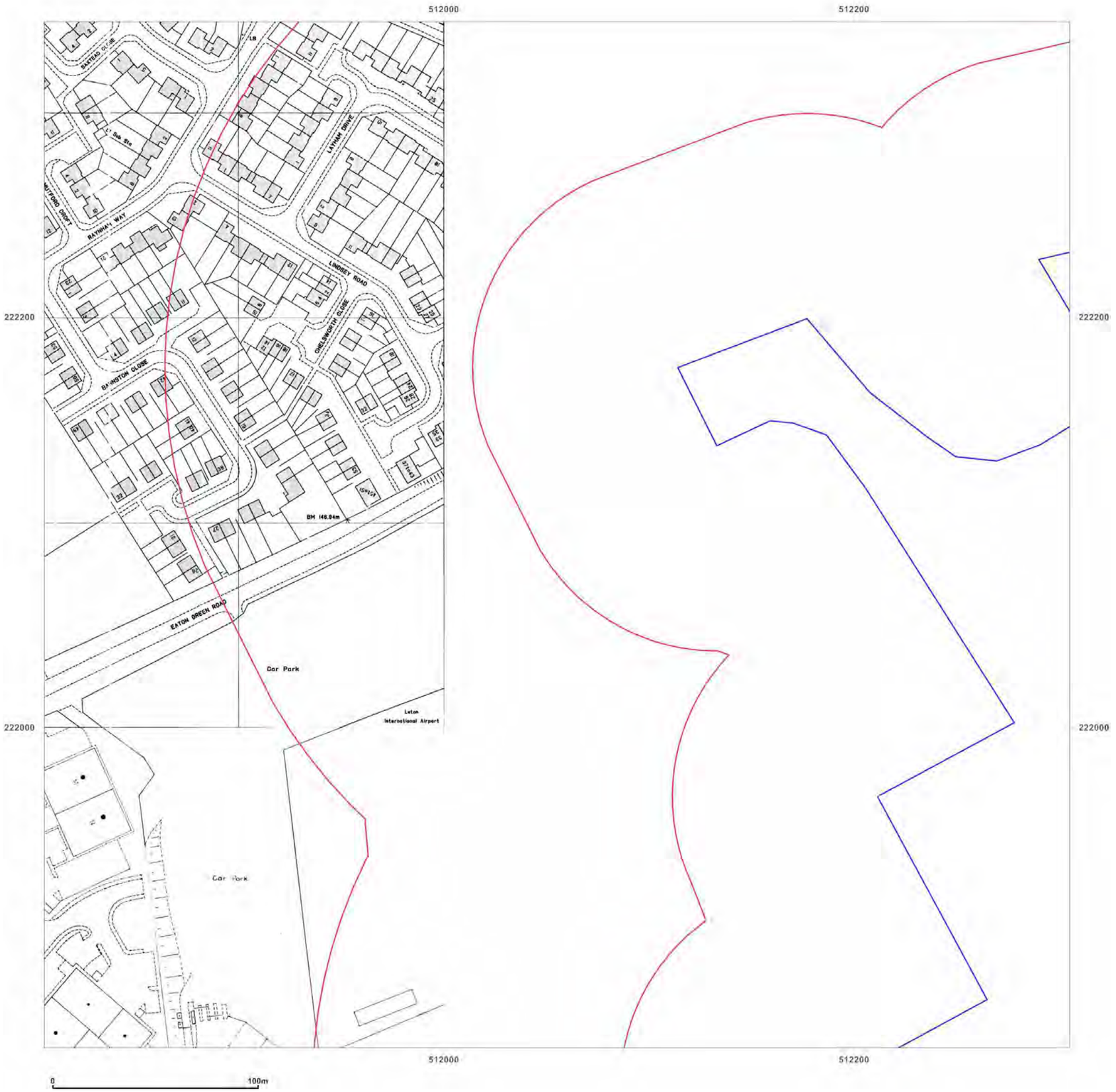

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1986-1991**

Scale: 1:1,250

Printed at: 1:2,000

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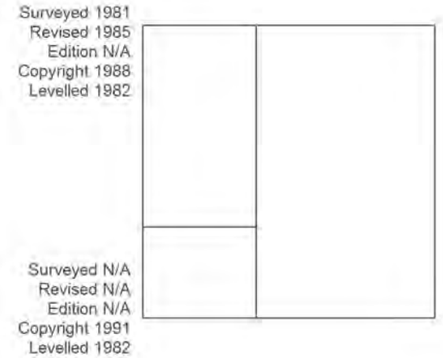

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Production date: 16 October 2018

Map legend available at:
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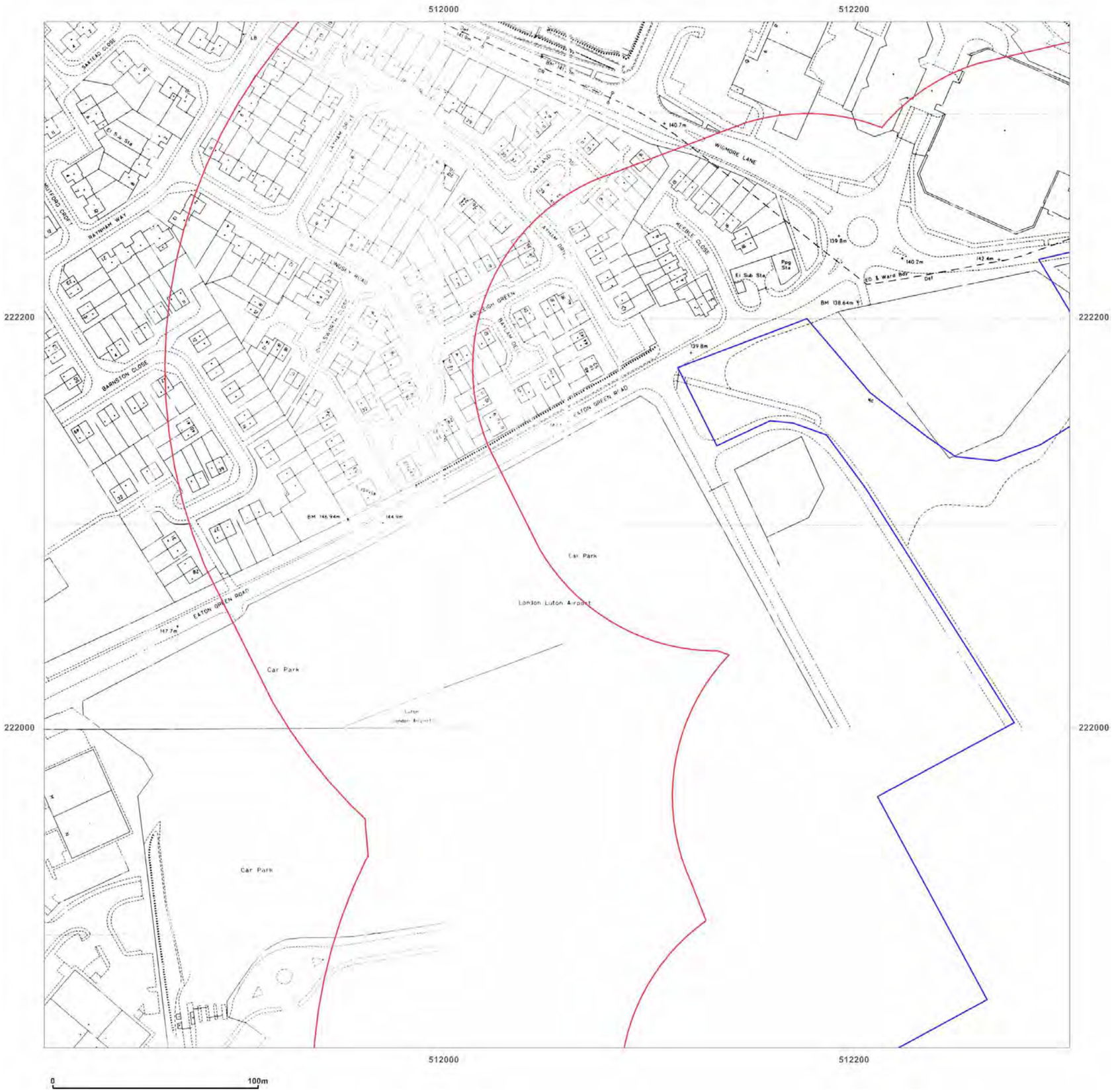

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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

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Revised N/A
Edition N/A
Copyright 1993
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Production date: 16 October 2018

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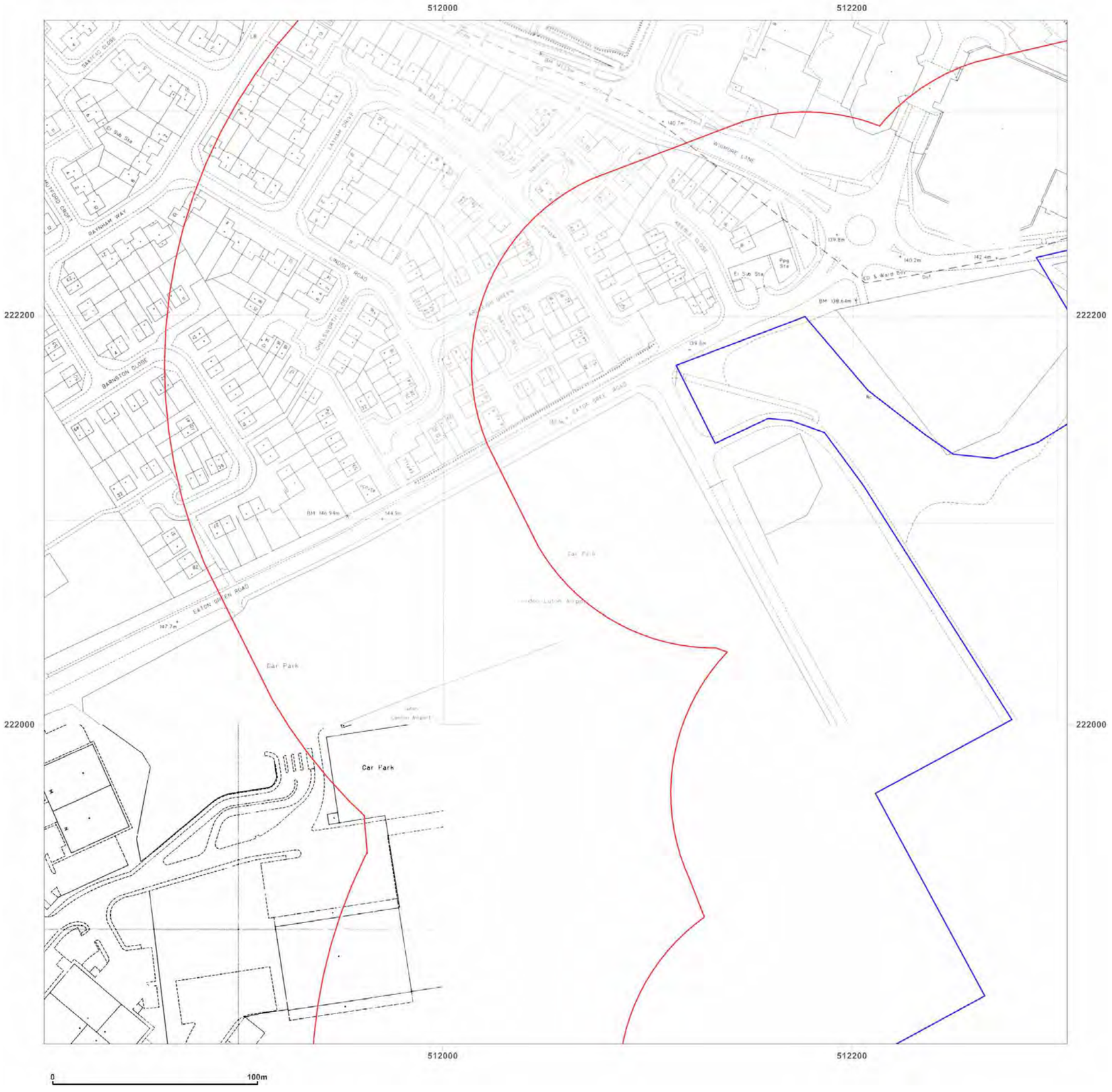

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid
Map date: **1993-1994**
Scale: 1:1,250
Printed at: 1:2,000

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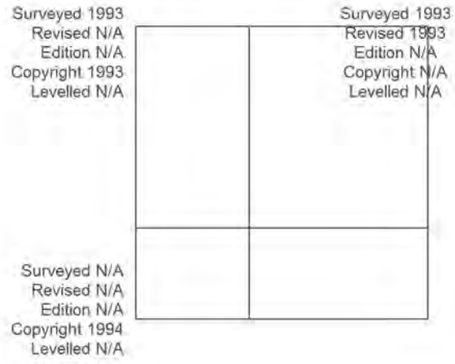

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_3
Grid Ref: 512055, 222094

Map Name: National Grid
Map date: **1994**
Scale: 1:1,250
Printed at: 1:2,000

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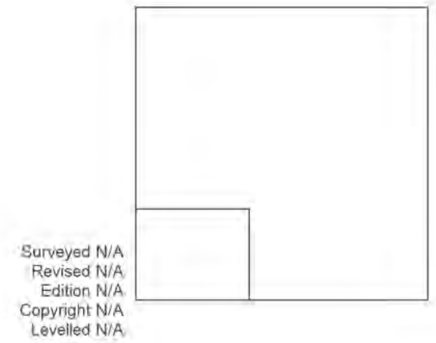

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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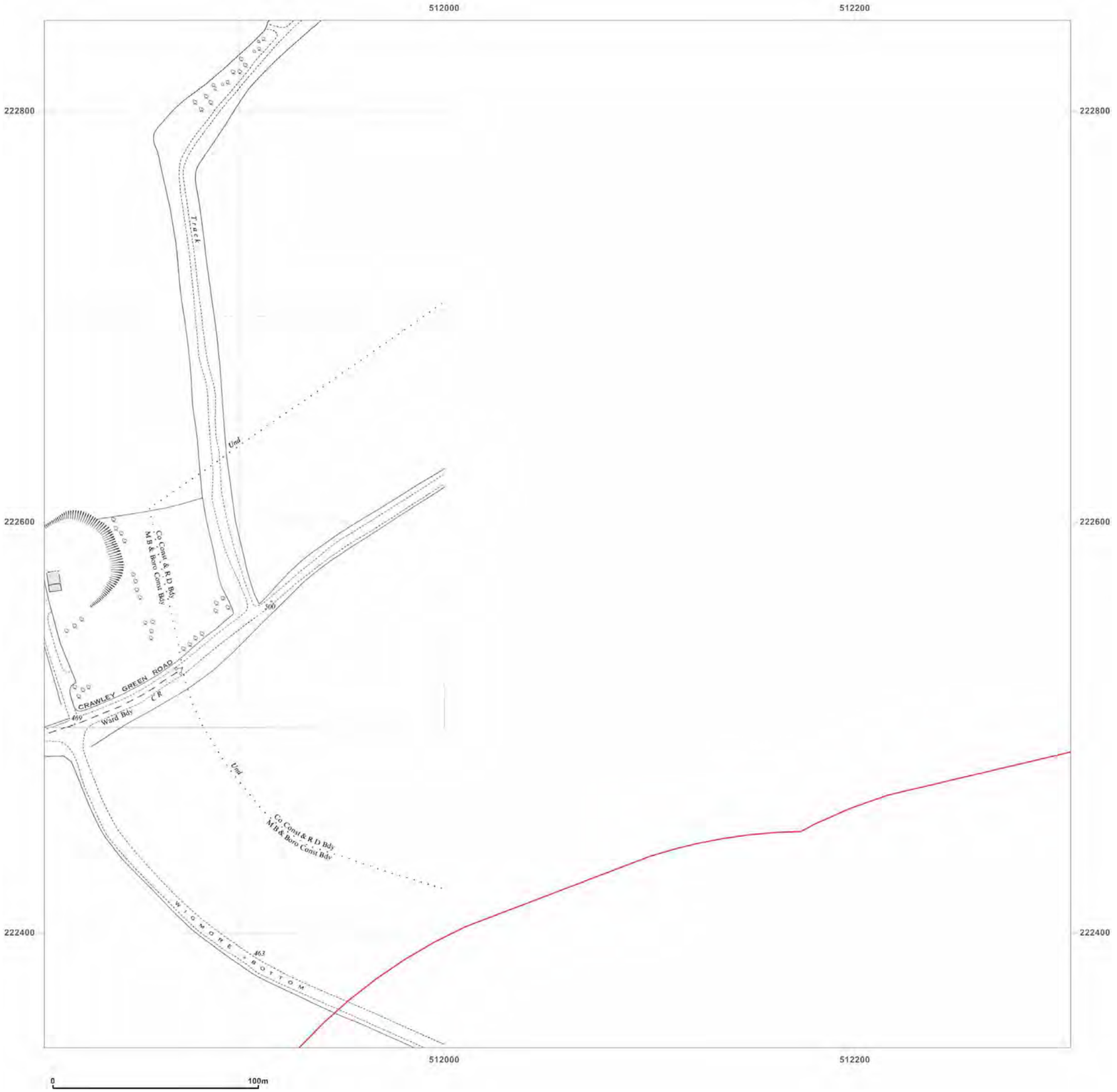

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1962**

Scale: 1:1,250

Printed at: 1:2,000

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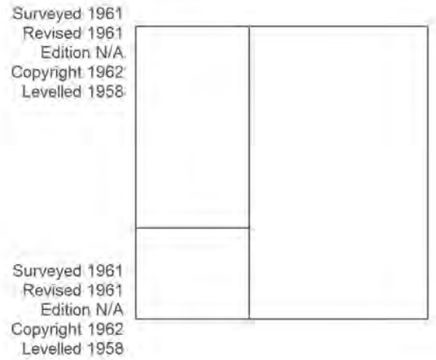

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Production date: 16 October 2018

Map legend available at:
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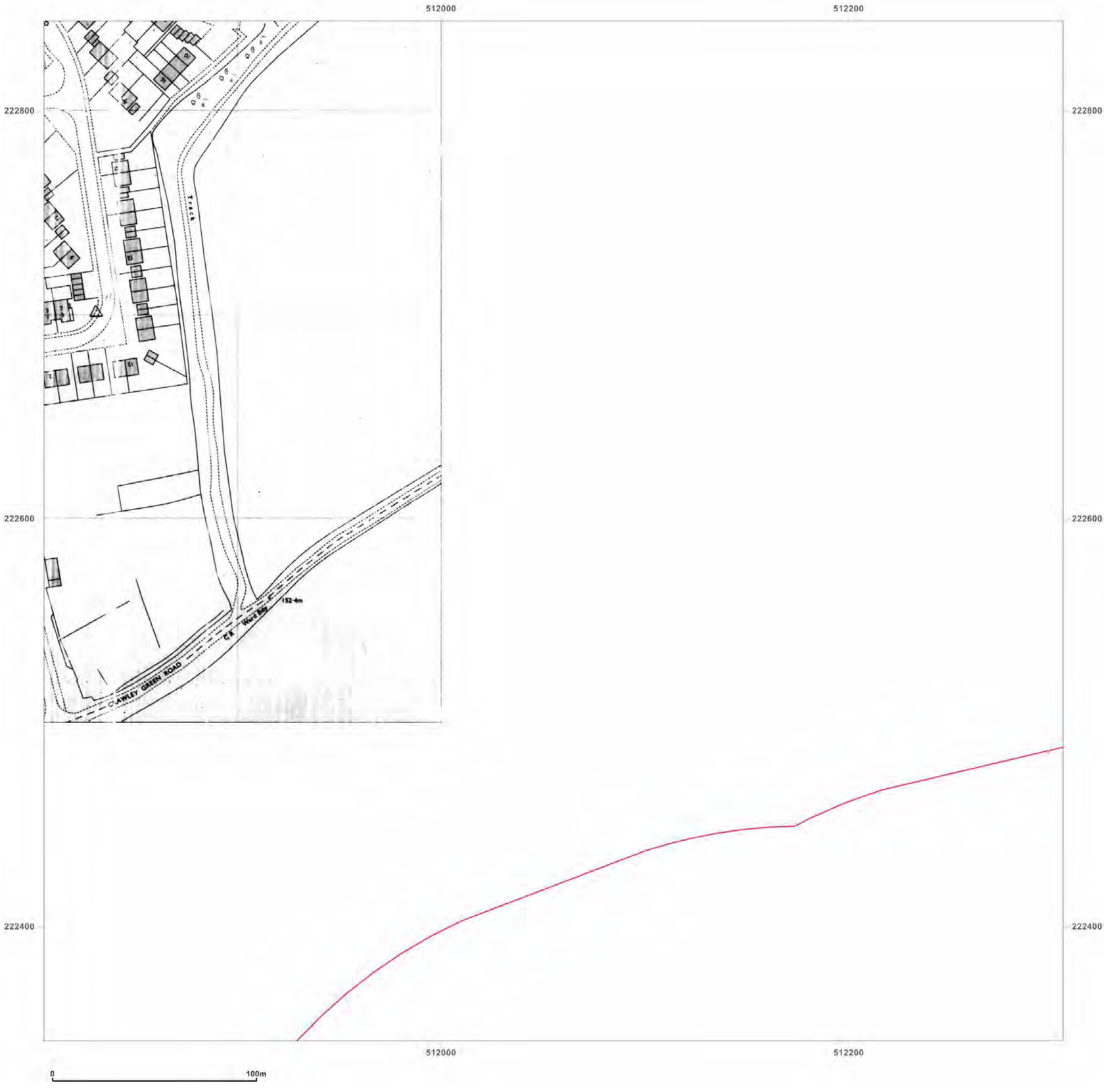

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1974**

Scale: 1:1,250

Printed at: 1:2,000

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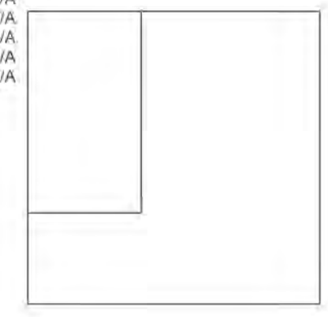
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1973-1978**

Scale: 1:1,250

Printed at: 1:2,000

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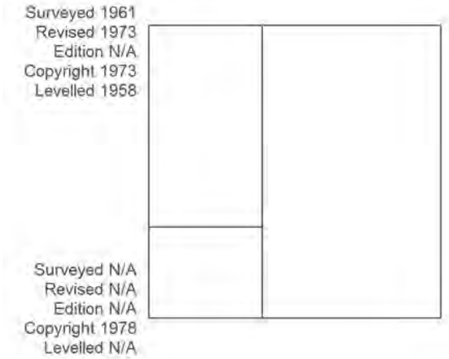

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Production date: 16 October 2018

Map legend available at:
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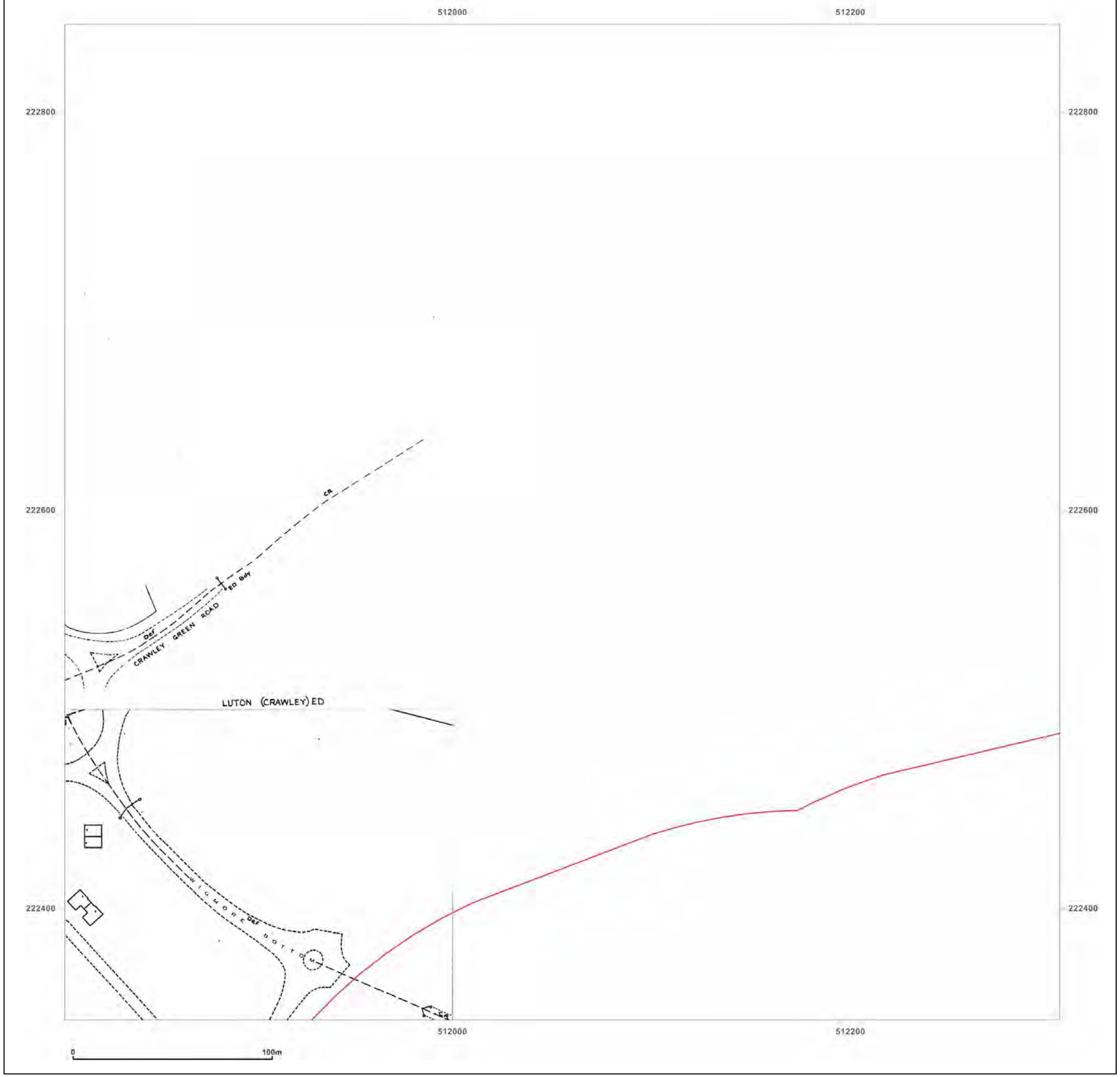

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1977-1981**

Scale: 1:1,250

Printed at: 1:2,000

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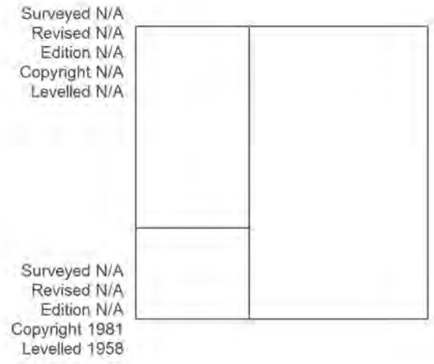

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1979-1982**

Scale: 1:1,250

Printed at: 1:2,000

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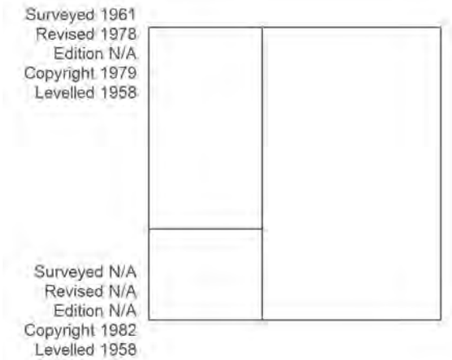

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1982-1984**

Scale: 1:1,250

Printed at: 1:2,000

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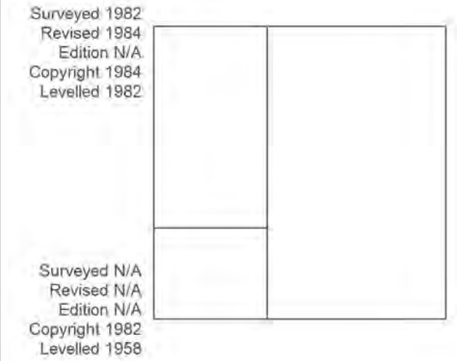

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T: 08444 159000
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Production date: 16 October 2018

Map legend available at:
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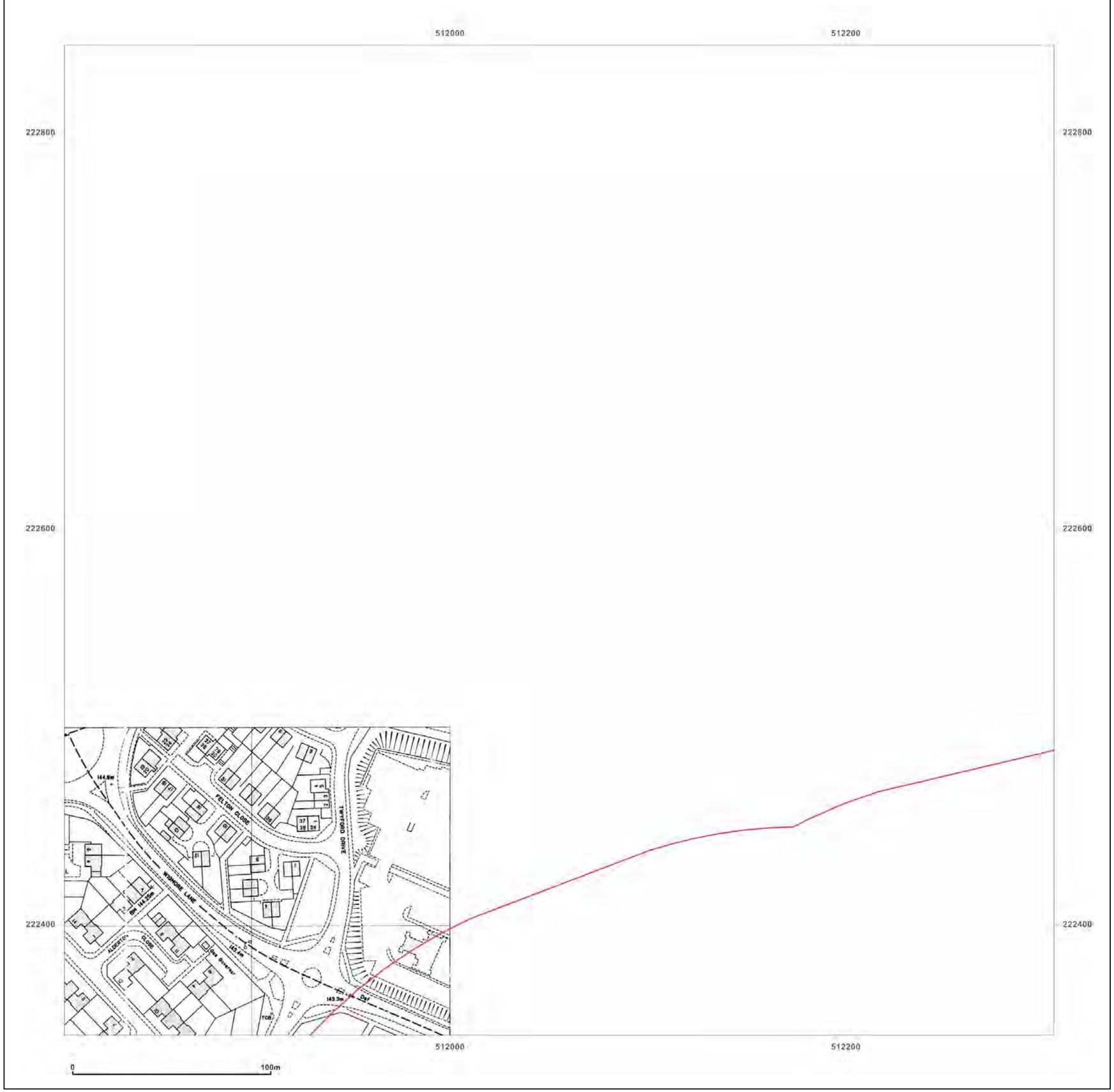

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1986**

Scale: 1:1,250

Printed at: 1:2,000

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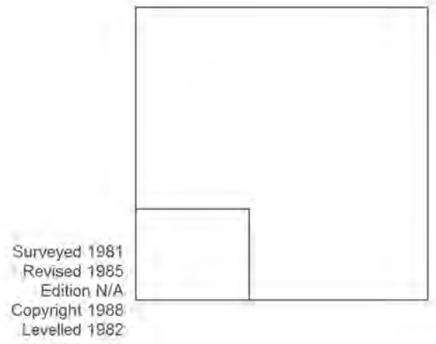

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Production date: 16 October 2018

Map legend available at:
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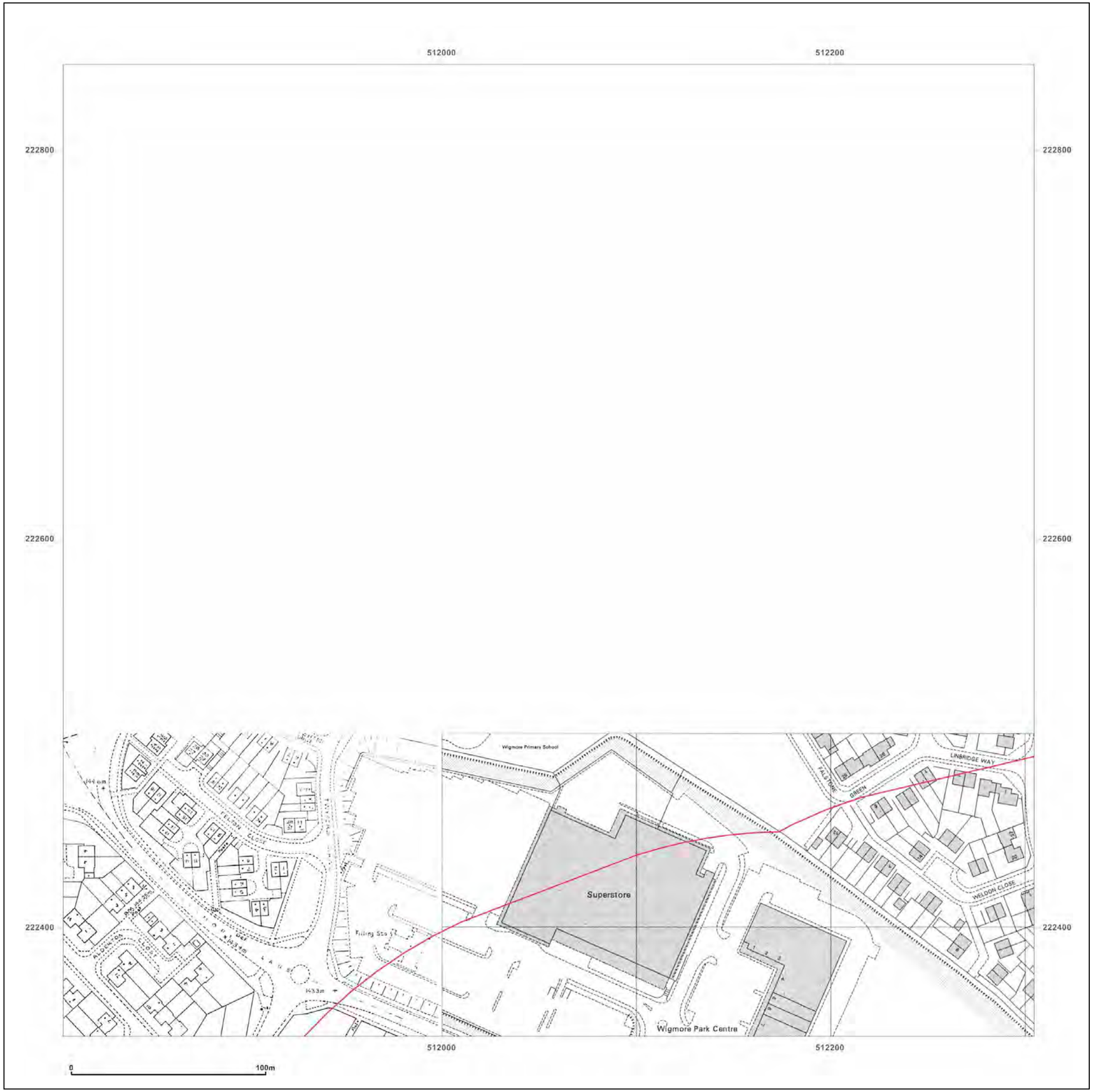

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1984-1989**

Scale: 1:1,250

Printed at: 1:2,000

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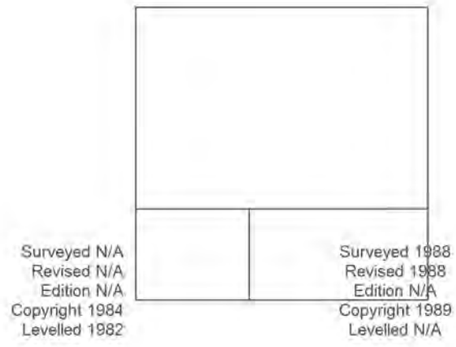

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Production date: 16 October 2018

Map legend available at:
[REDACTED]

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1985-1990**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1961
Revised 1989
Edition N/A
Copyright 1990
Levelled N/A

Surveyed 1961
Revised 1985
Edition N/A
Copyright 1986
Levelled 1982

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:1,250

Printed at: 1:2,000

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Edition N/A
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Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_1_4
Grid Ref: 512055, 222594

Map Name: National Grid

Map date: **1994**

Scale: 1:1,250

Printed at: 1:2,000

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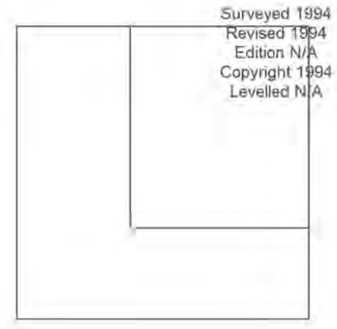

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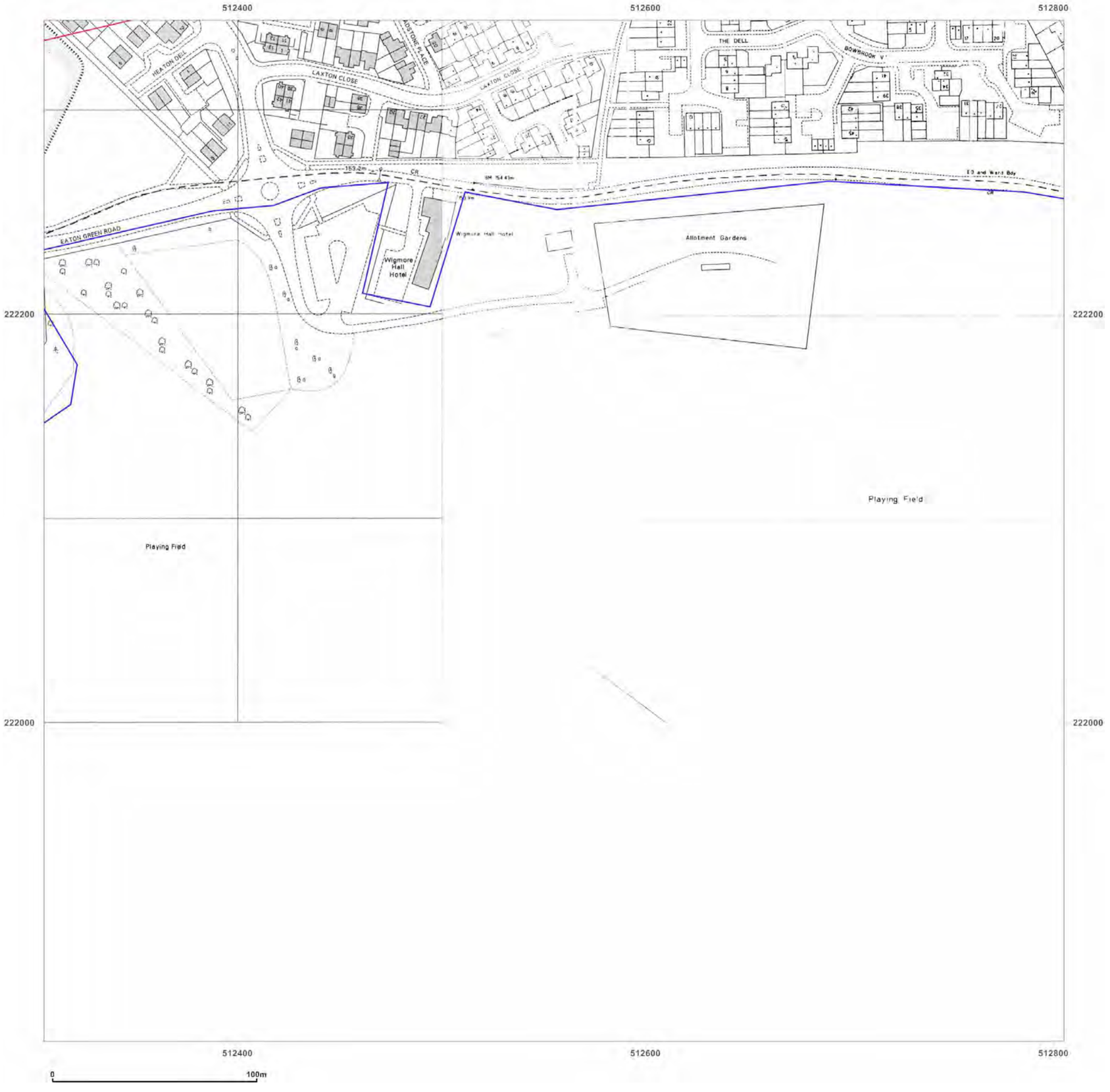

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_2_3
Grid Ref: 512555, 222094

Map Name: National Grid
Map date: **1989-1993**
Scale: 1:1,250
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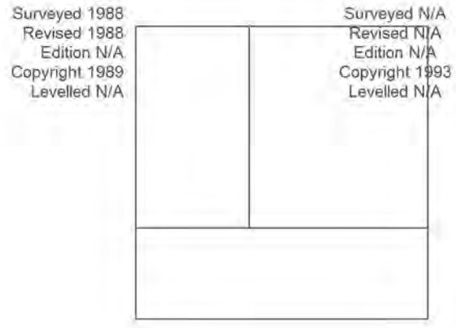

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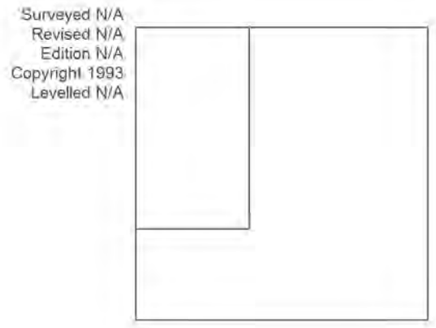

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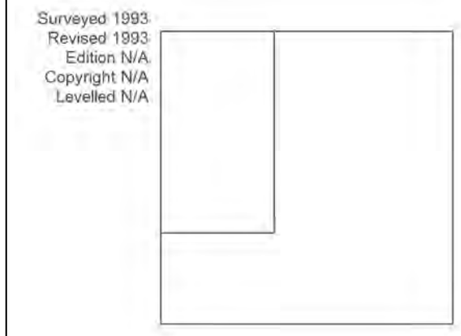

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Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_2_4
Grid Ref: 512555, 222594

Map Name: National Grid

Map date: **1989-1993**

Scale: 1:1,250

Printed at: 1:2,000

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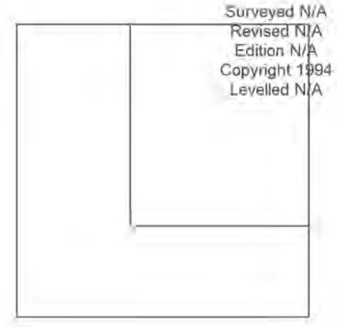

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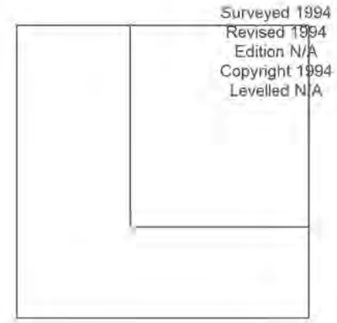

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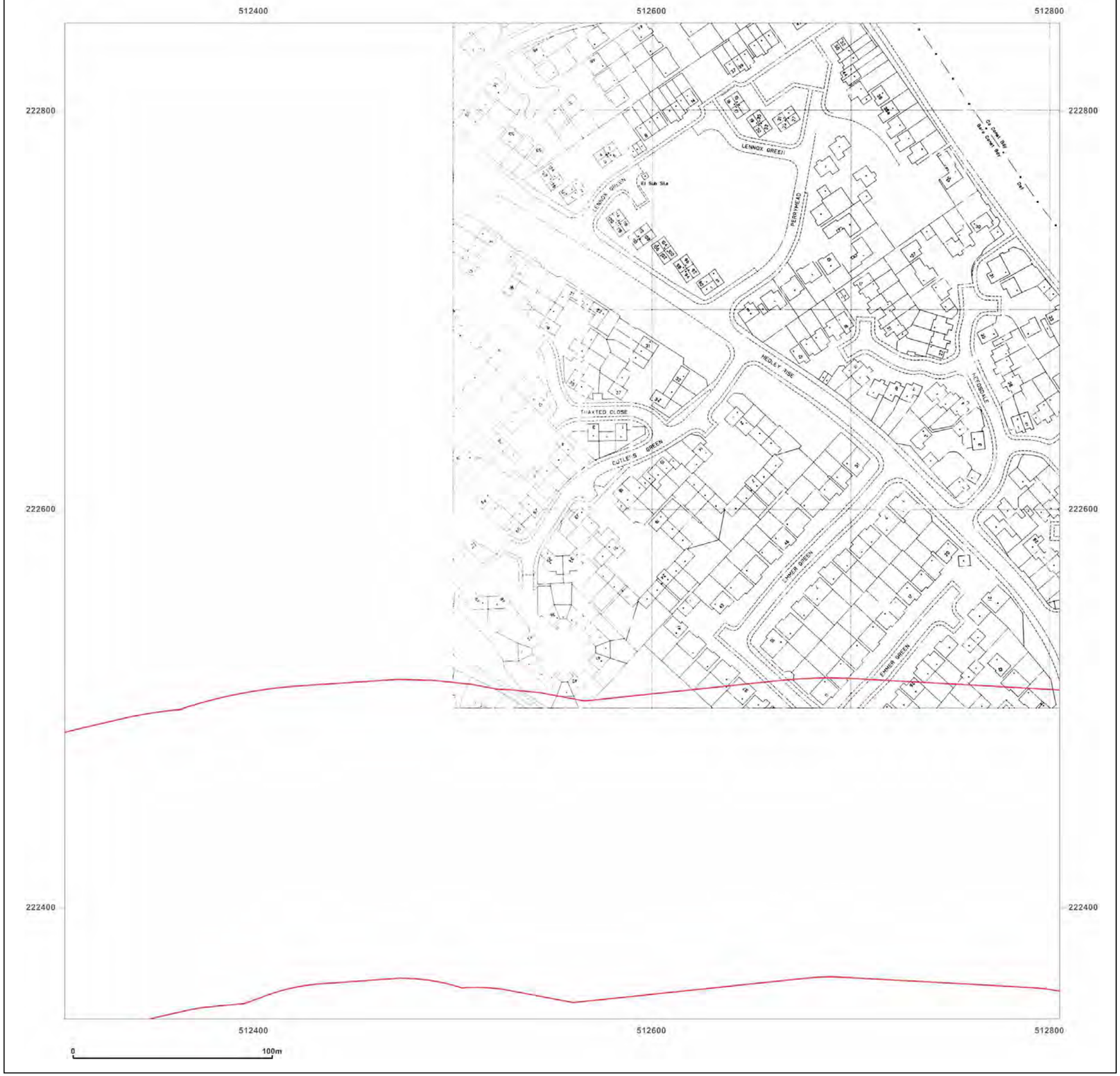

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Grid Ref: 512555, 222594

Map Name: National Grid

Map date: **1995**

Scale: 1:1,250

Printed at: 1:2,000

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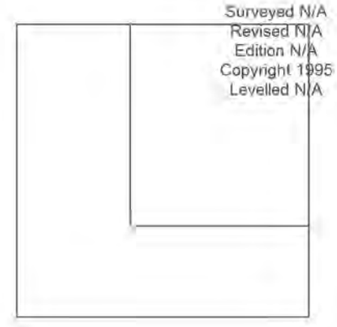

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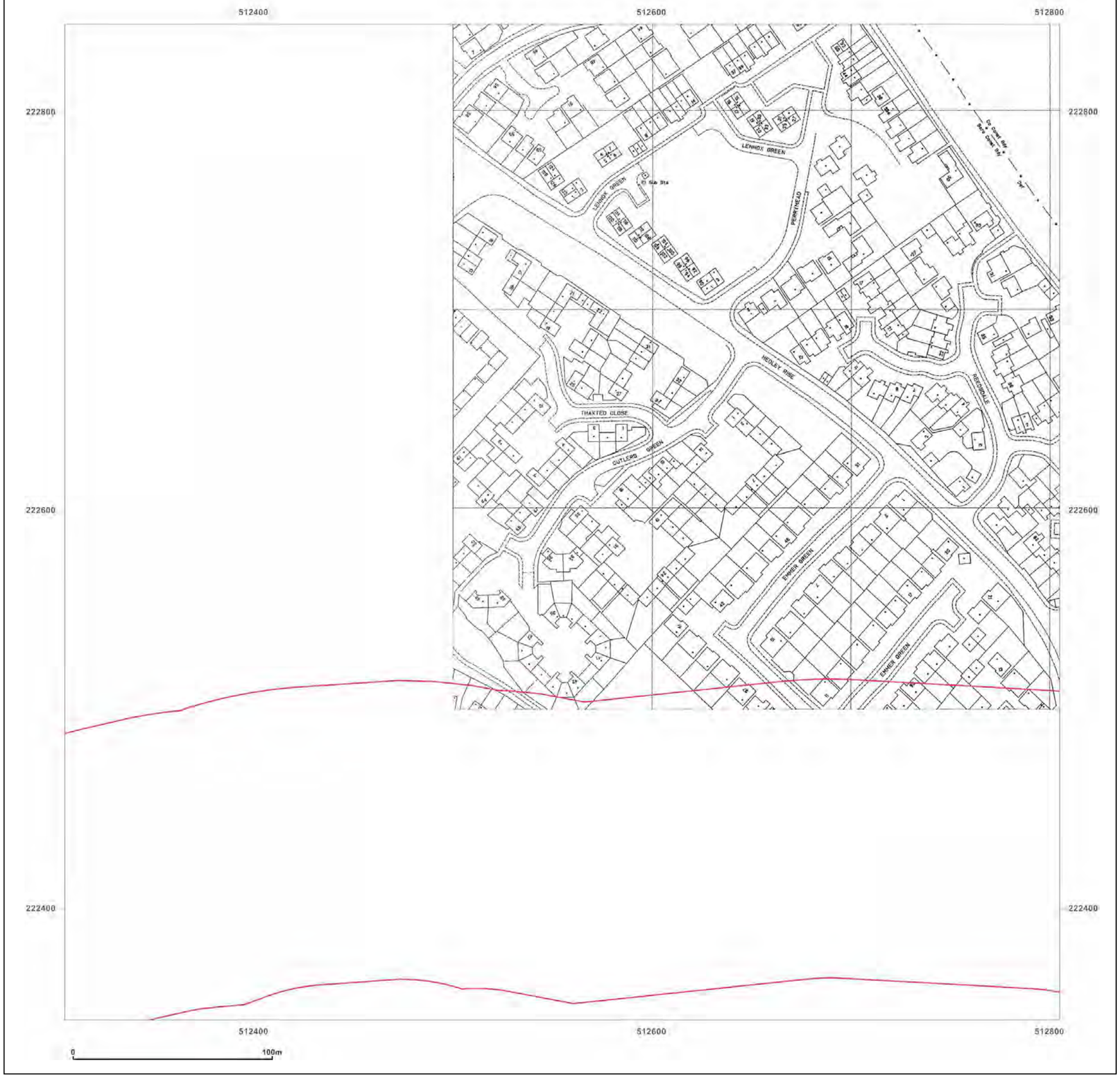

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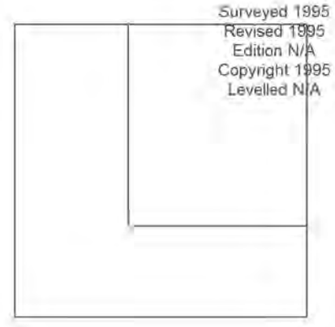

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513326.29595395754,
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Client Ref: 245580-02
Report Ref: GS-5534634_1250scale_3_3
Grid Ref: 513055, 222094

Map Name: National Grid

Map date: **1993**

Scale: 1:1,250

Printed at: 1:2,000

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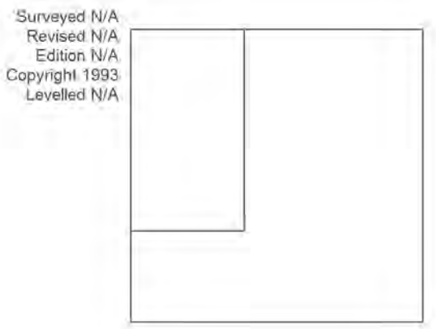

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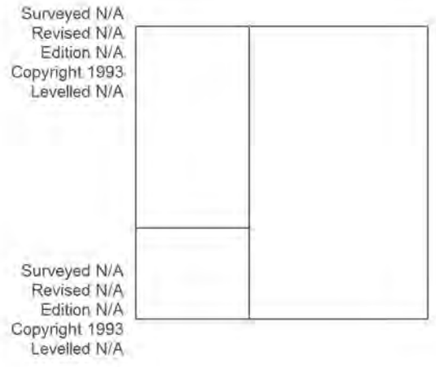

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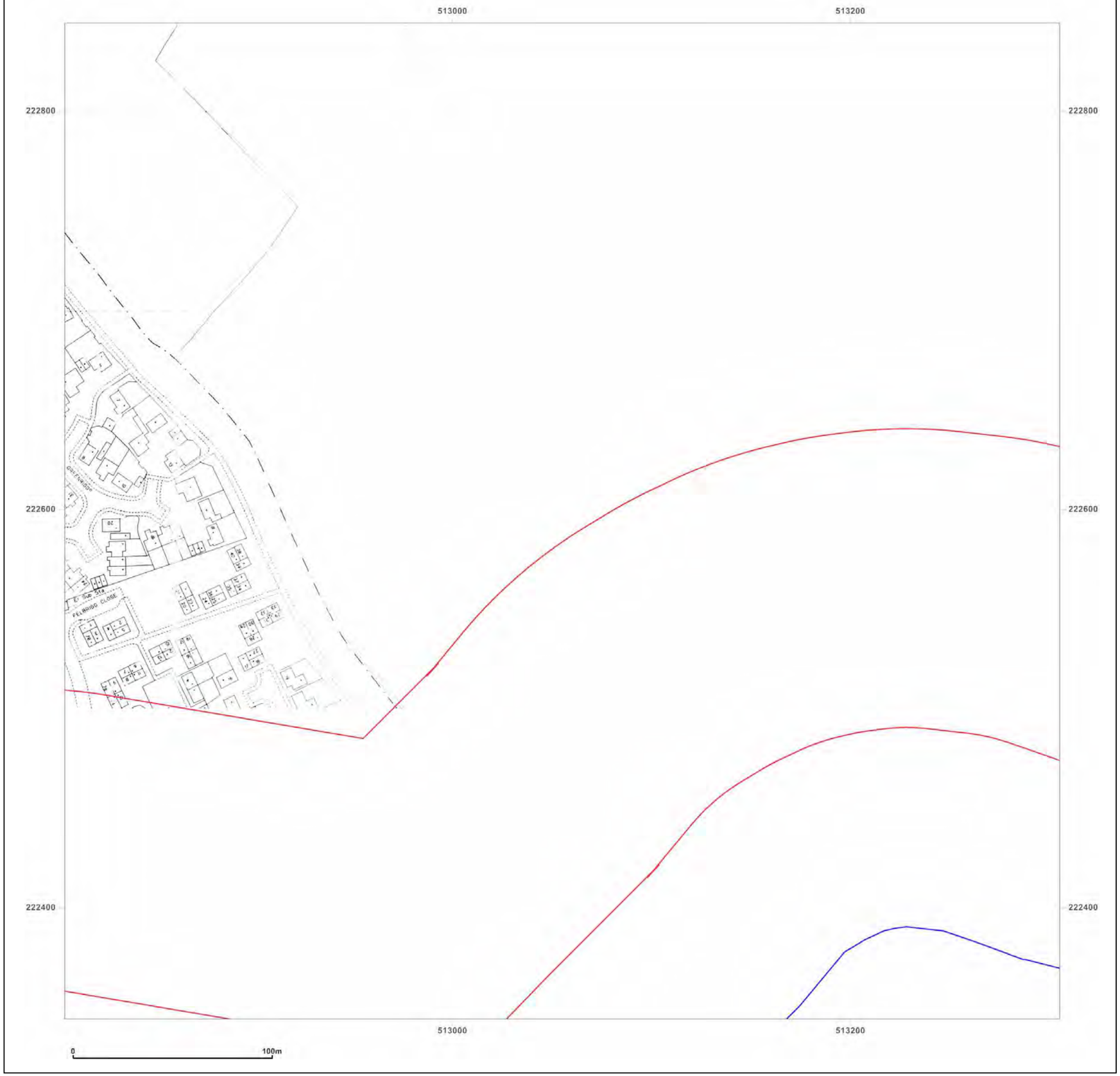

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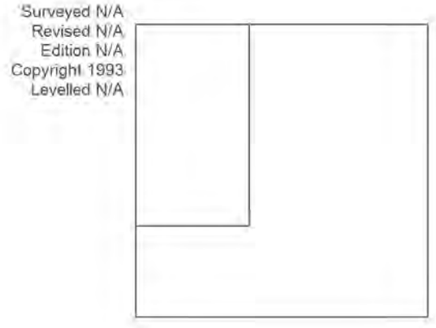

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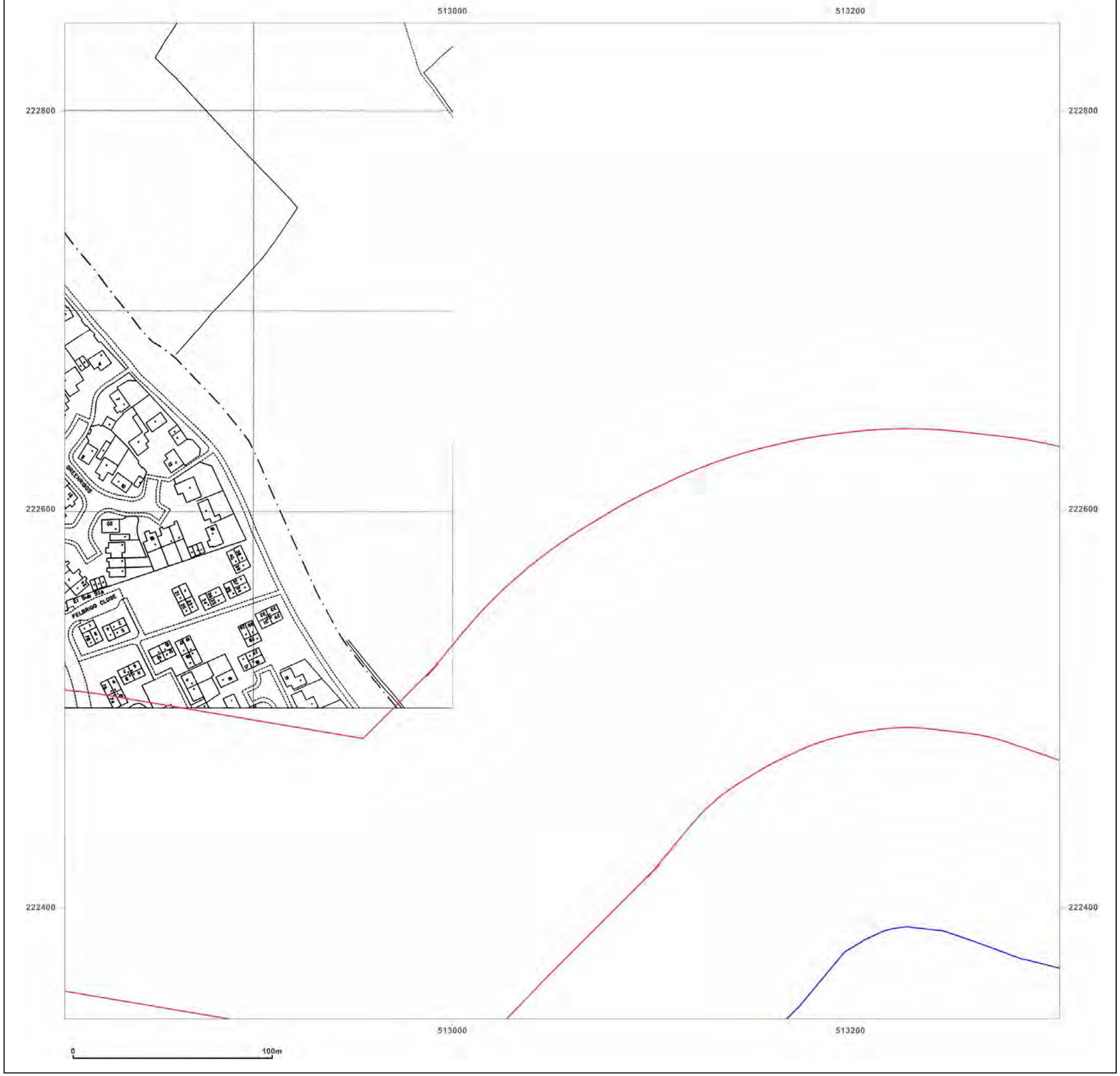

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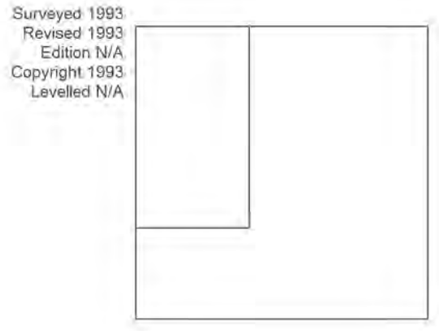

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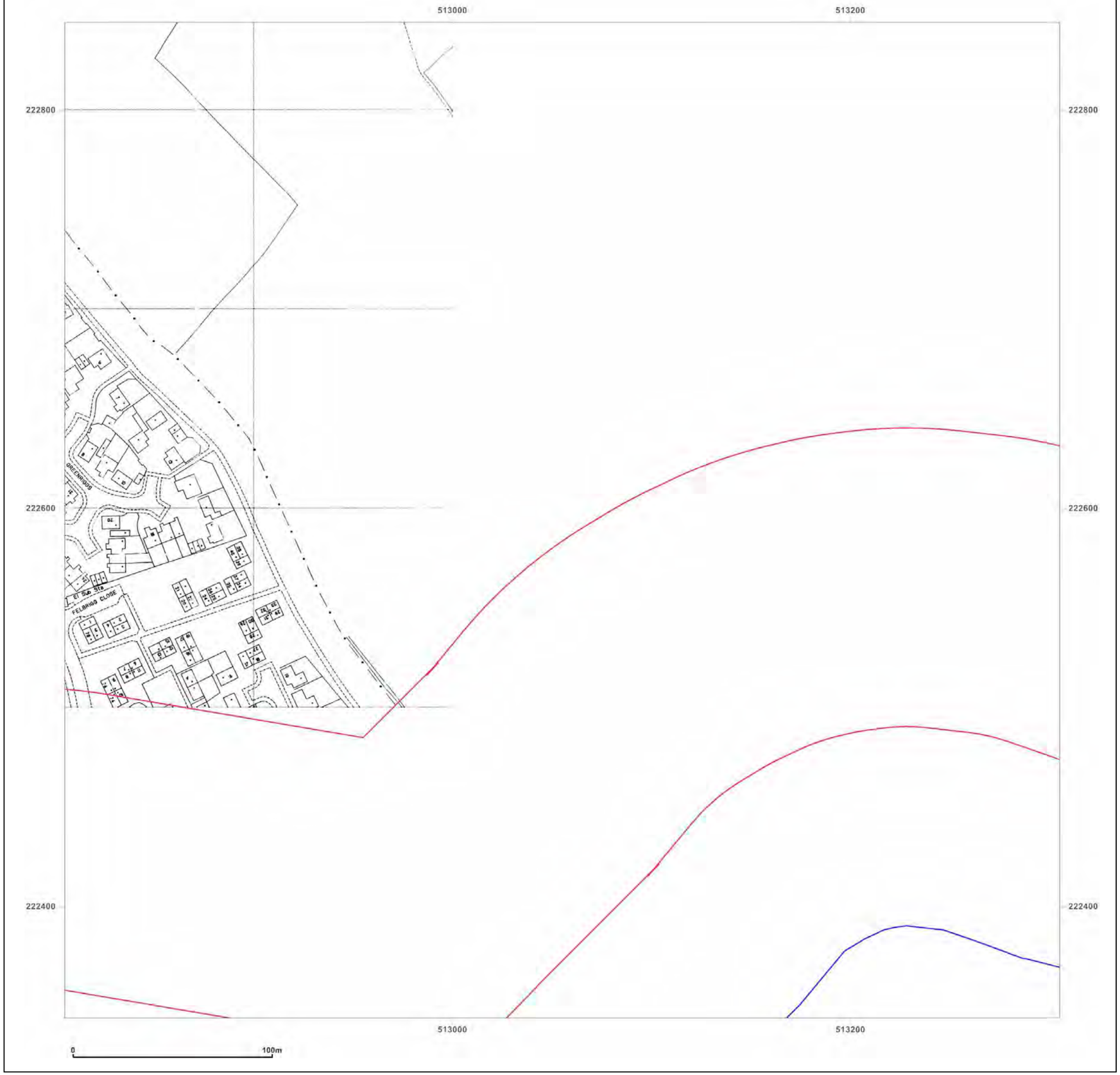

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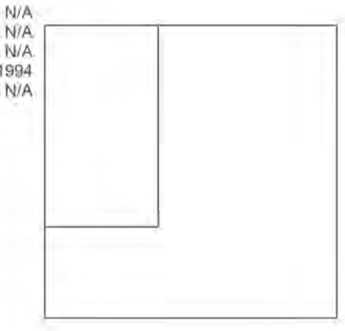

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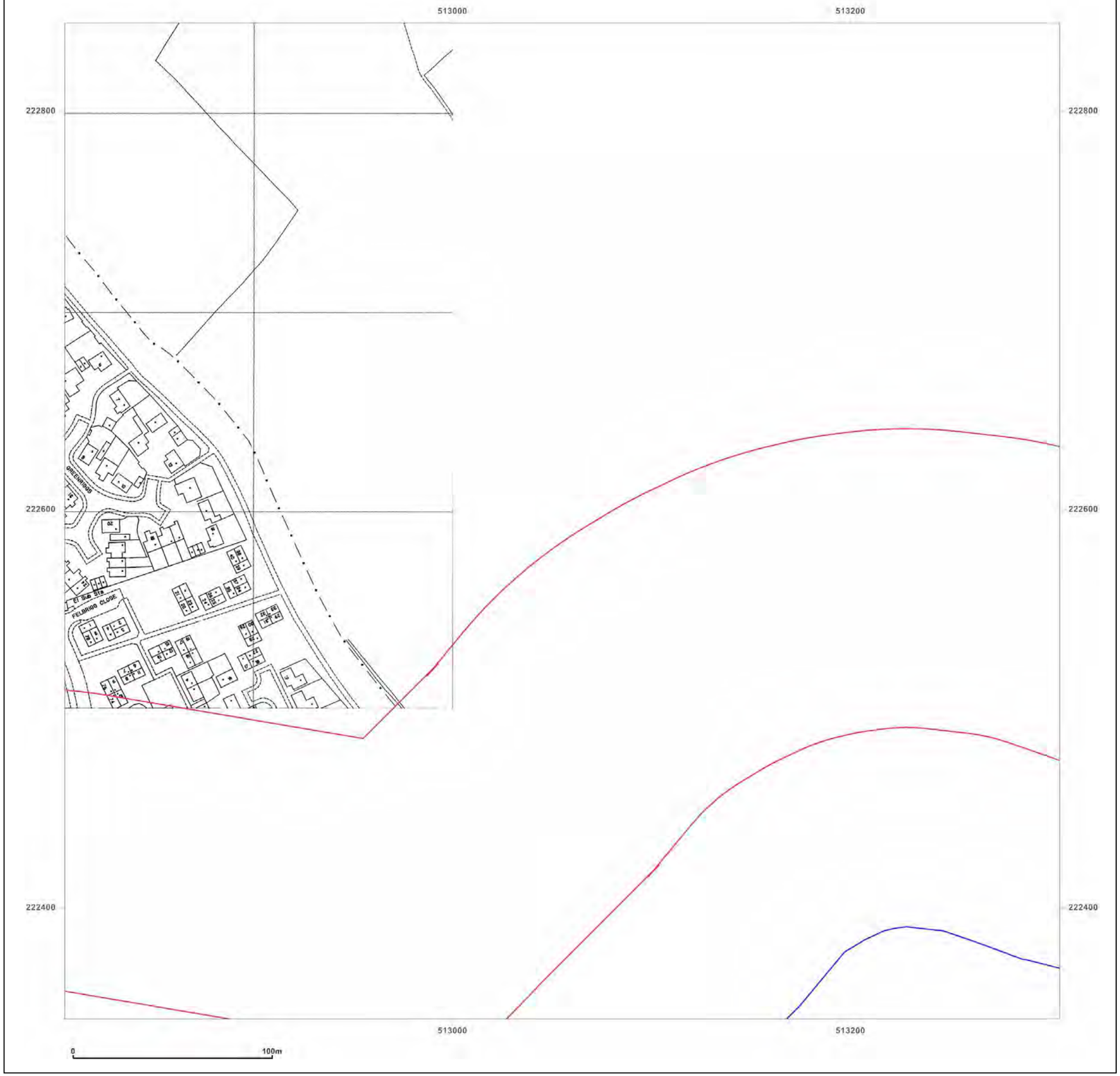

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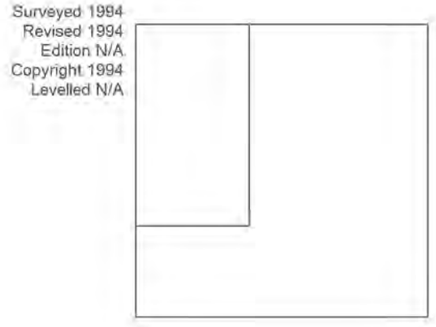

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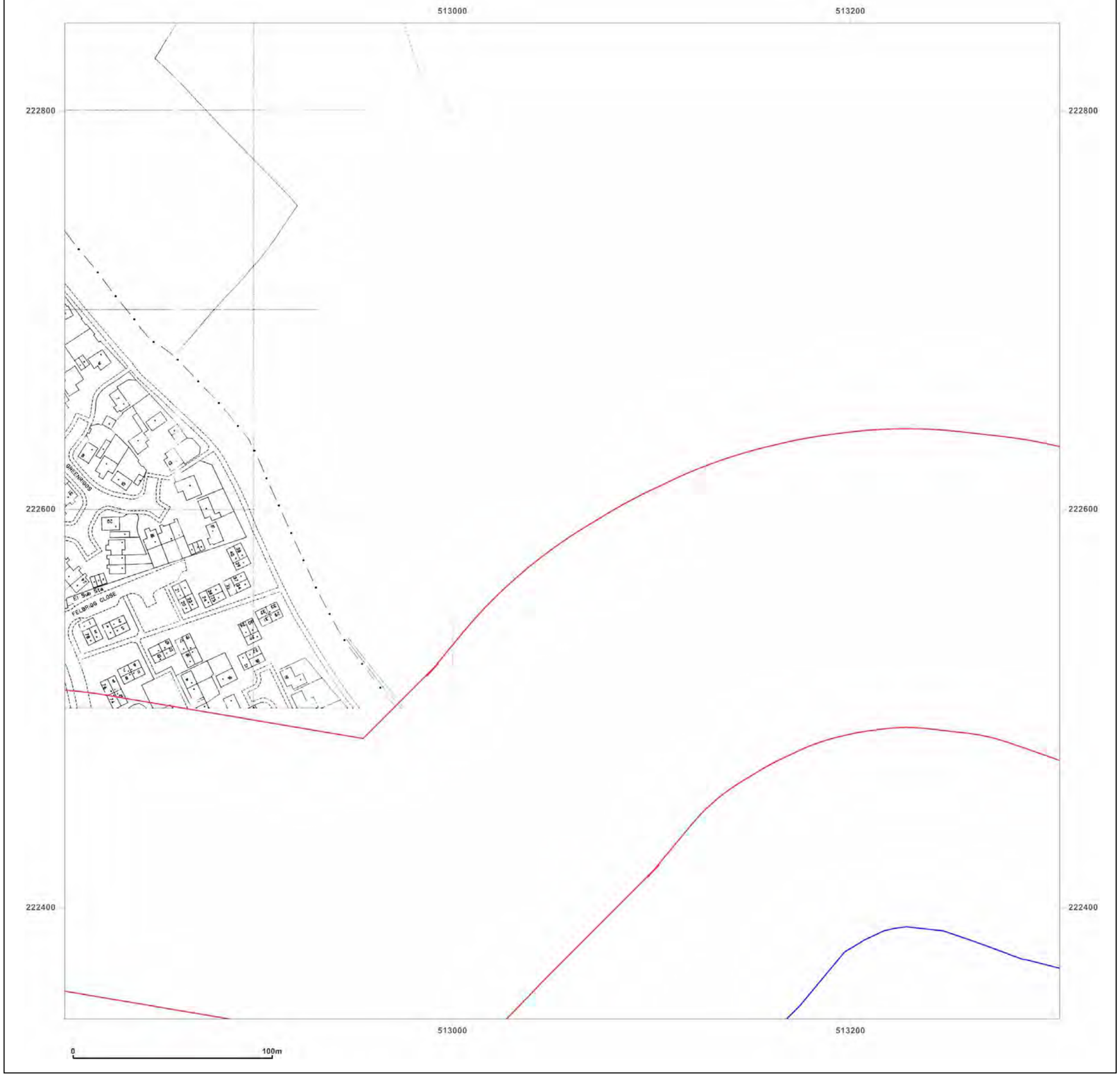

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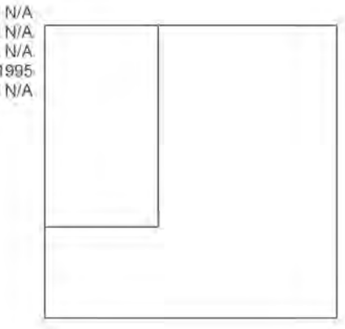

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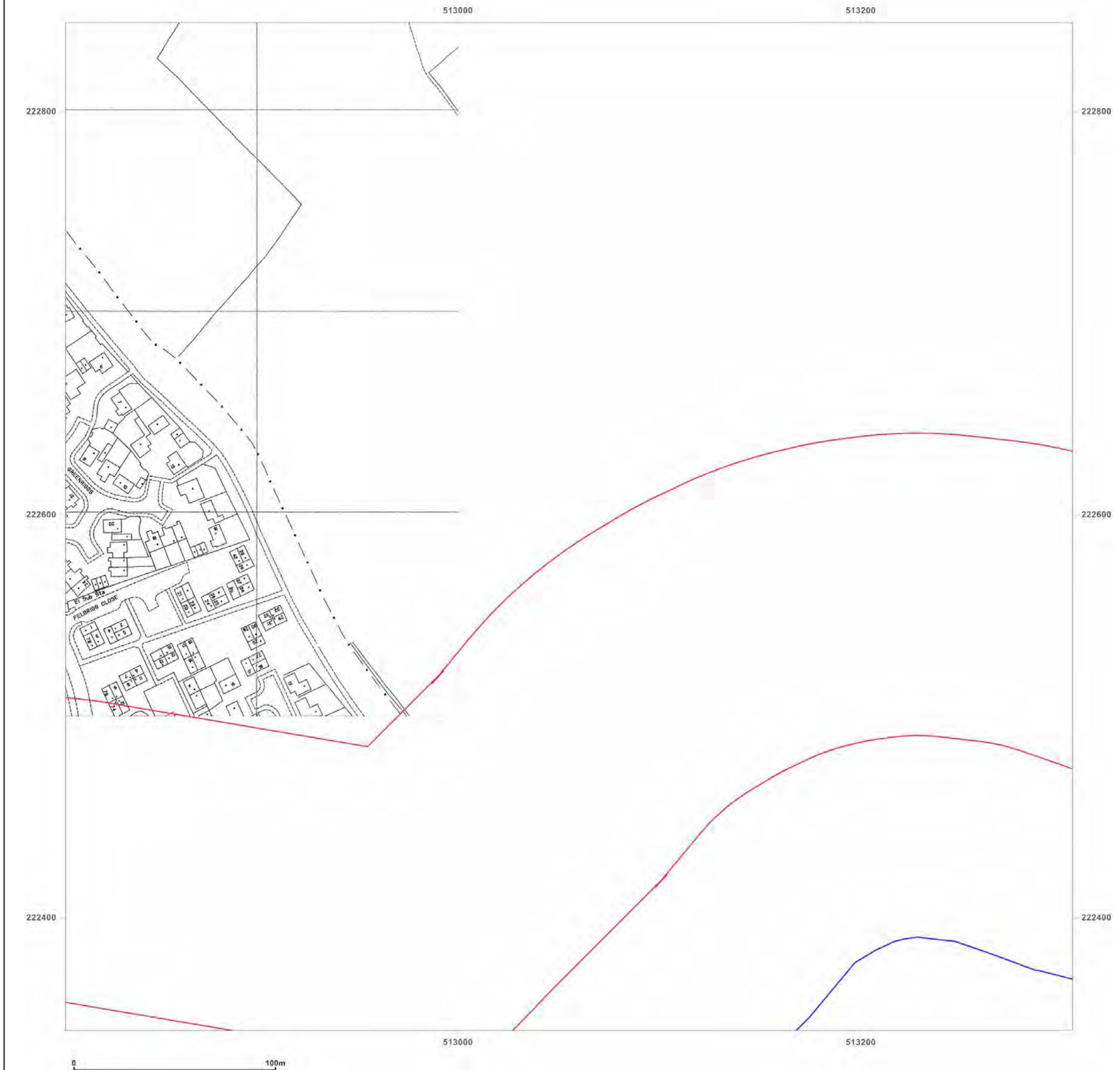

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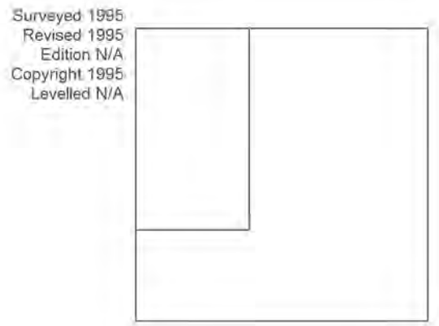

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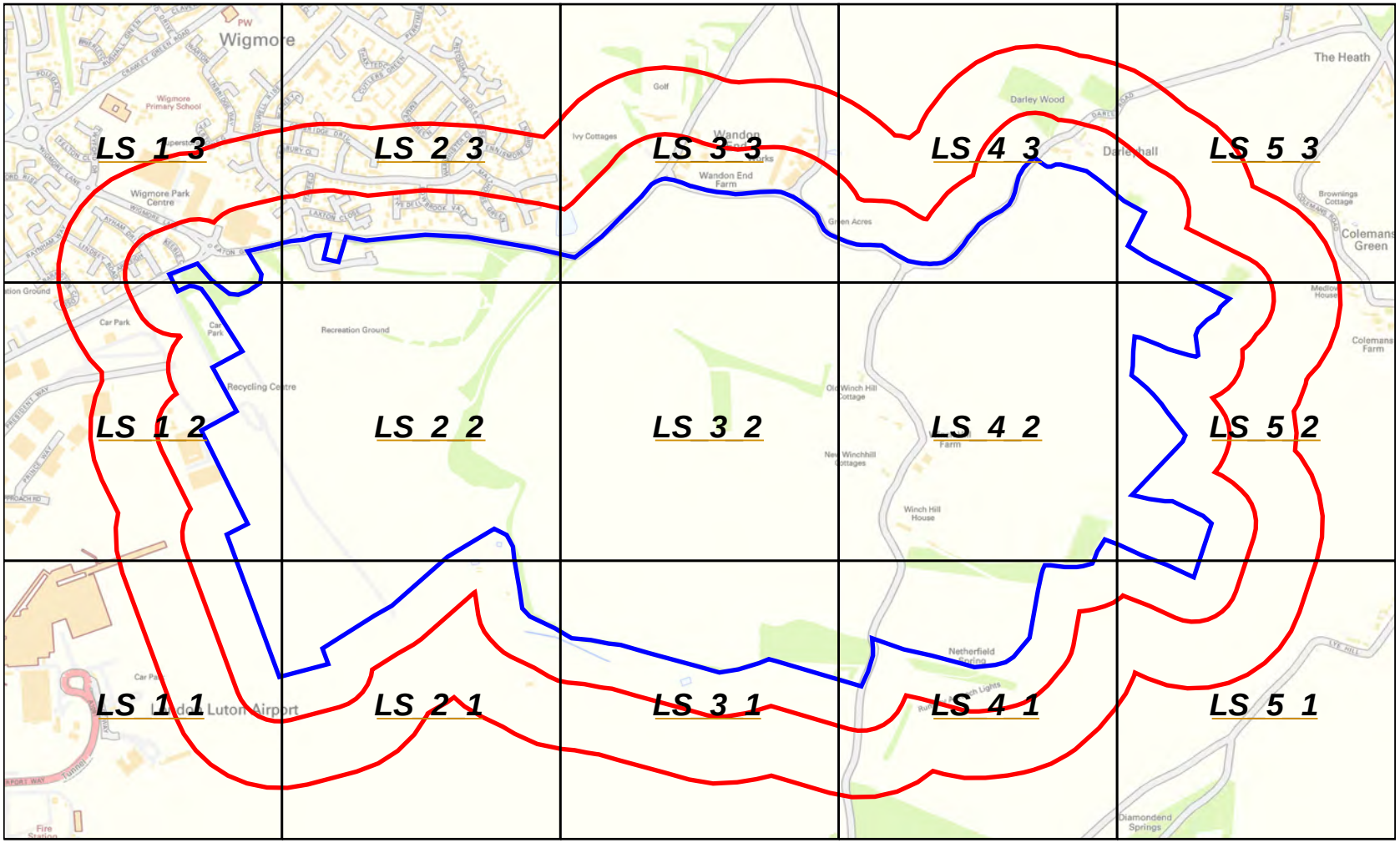

Groundsure INSIGHTS

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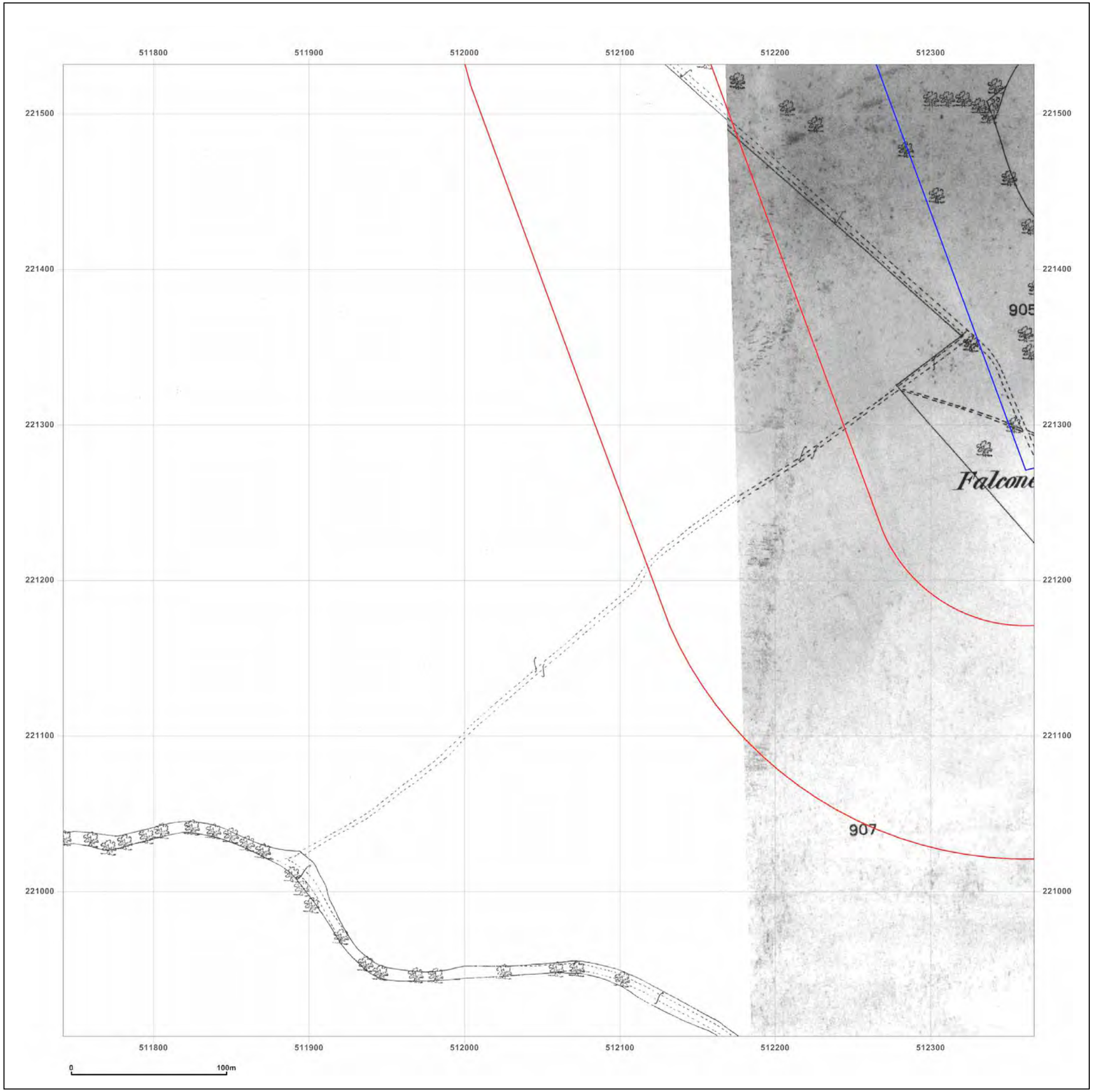
1:2500 Scale Grid Index



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: County Series

Map date: **1880-1881**

Scale: 1:2,500

Printed at: 1:2,500

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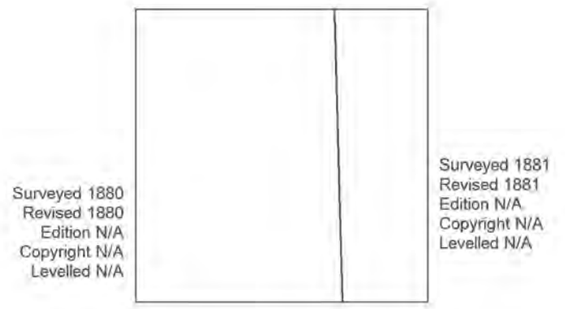

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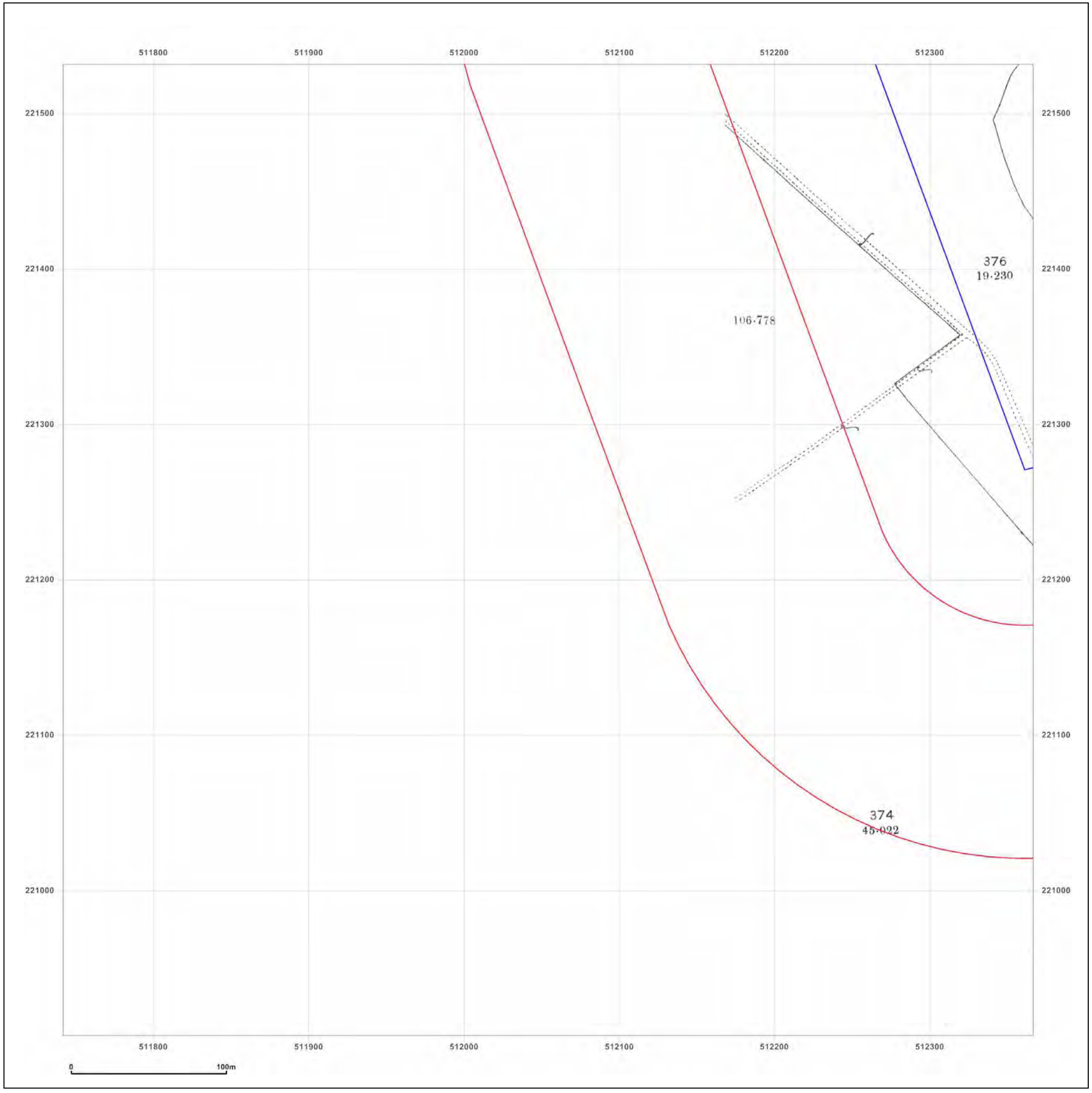

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Site Details:

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Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

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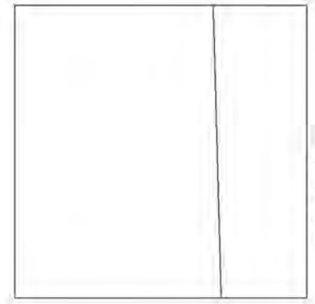

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Production date: 16 October 2018

Map legend available at:
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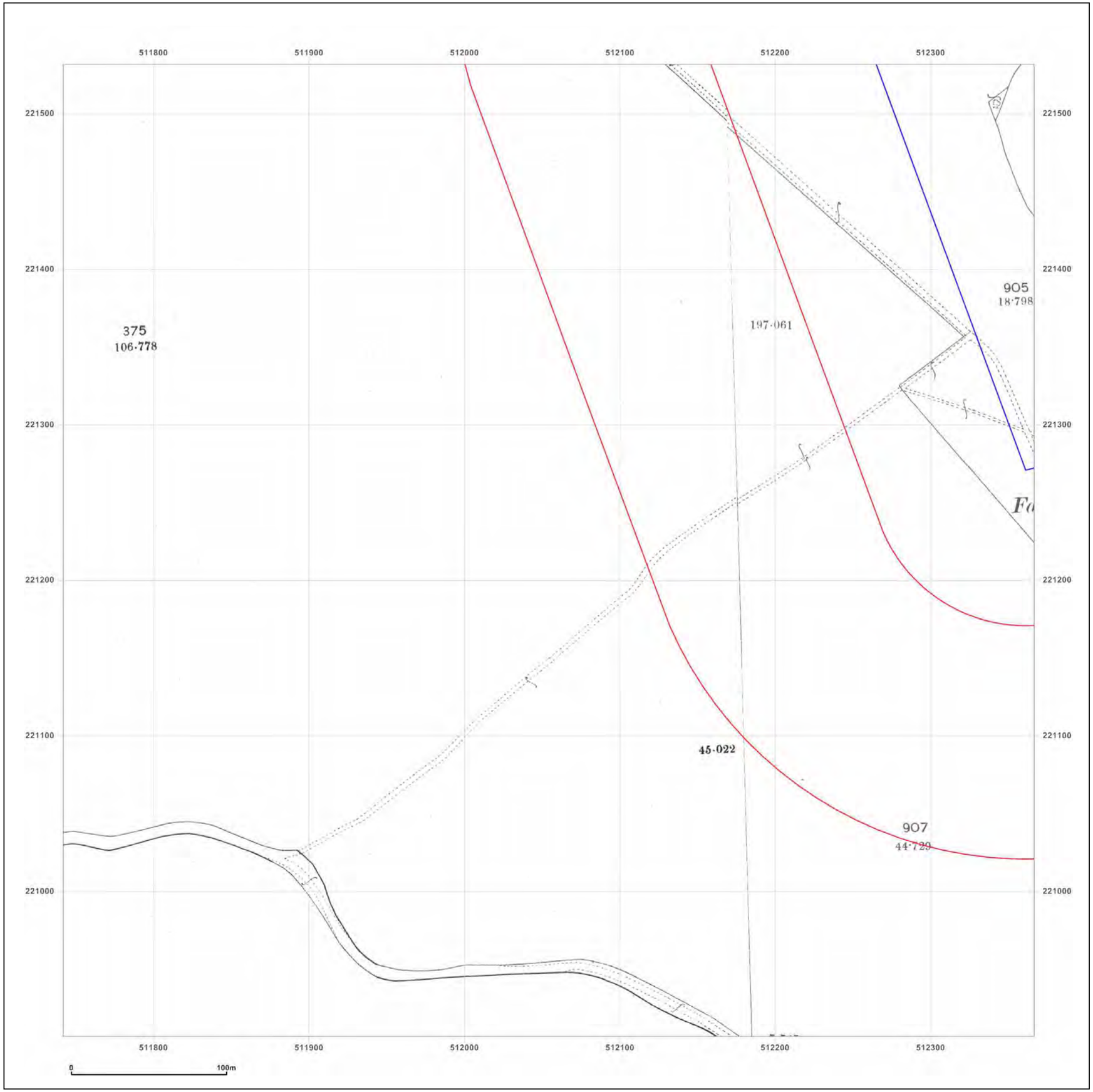

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: County Series

Map date: **1898-1901**

Scale: 1:2,500

Printed at: 1:2,500

N
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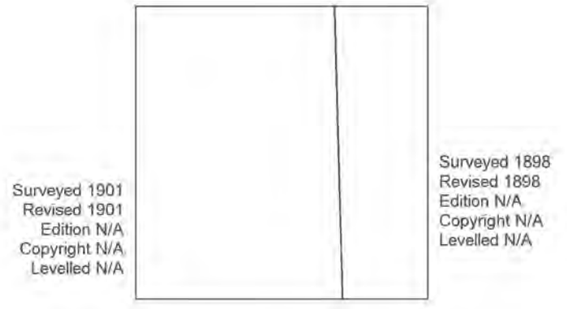

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Production date: 16 October 2018

Map legend available at:
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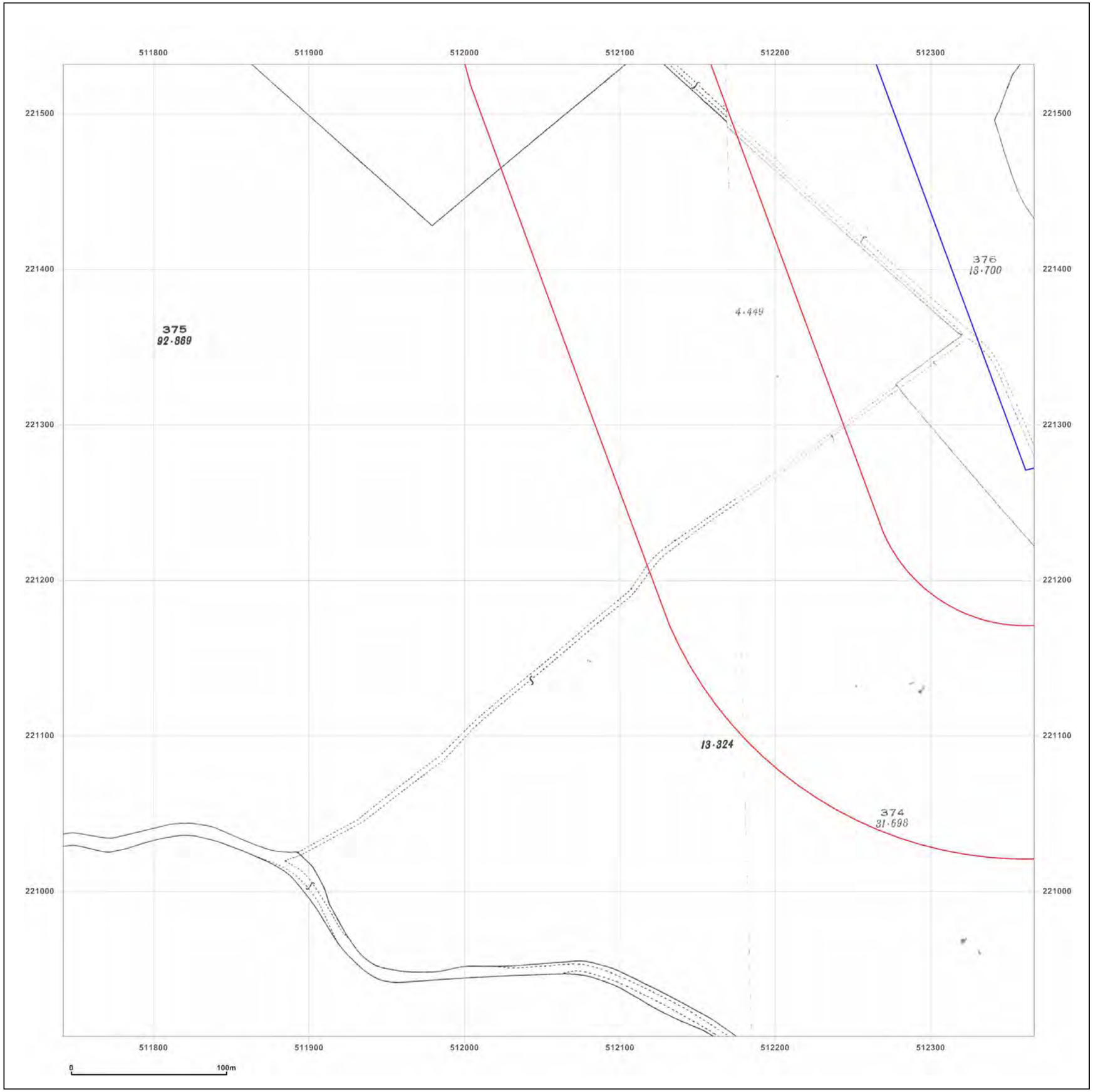

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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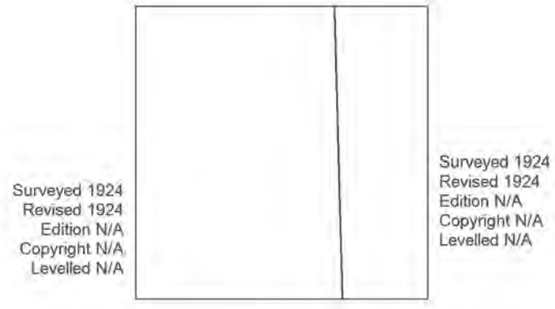

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Production date: 16 October 2018

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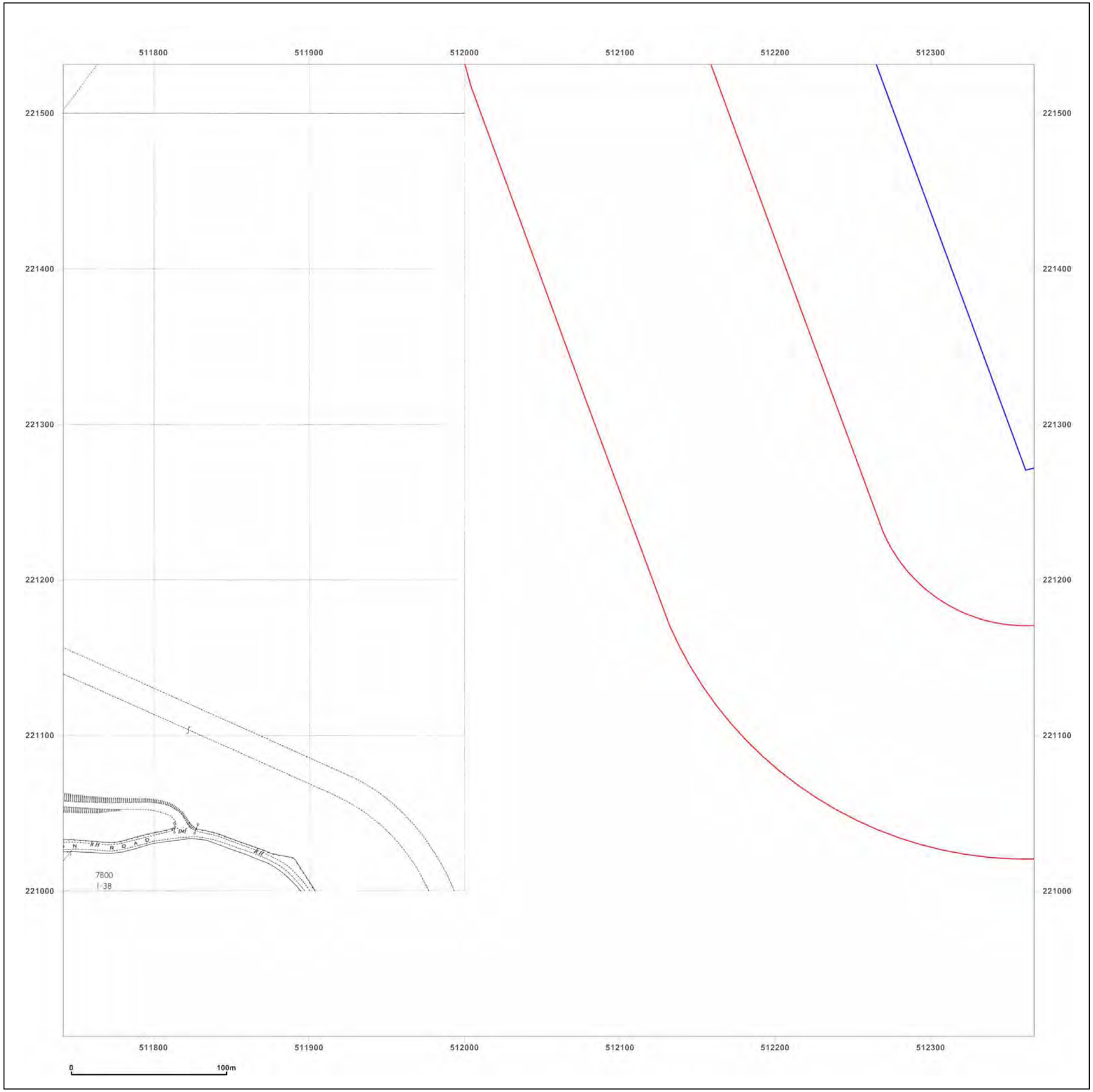

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: National Grid

Map date: **1962**

Scale: 1:2,500

Printed at: 1:2,500

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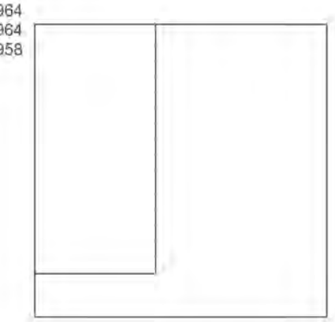
Surveyed 1961
Revised 1962
Edition 1964
Copyright 1964
Levelled 1958



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Production date: 16 October 2018

Map legend available at:
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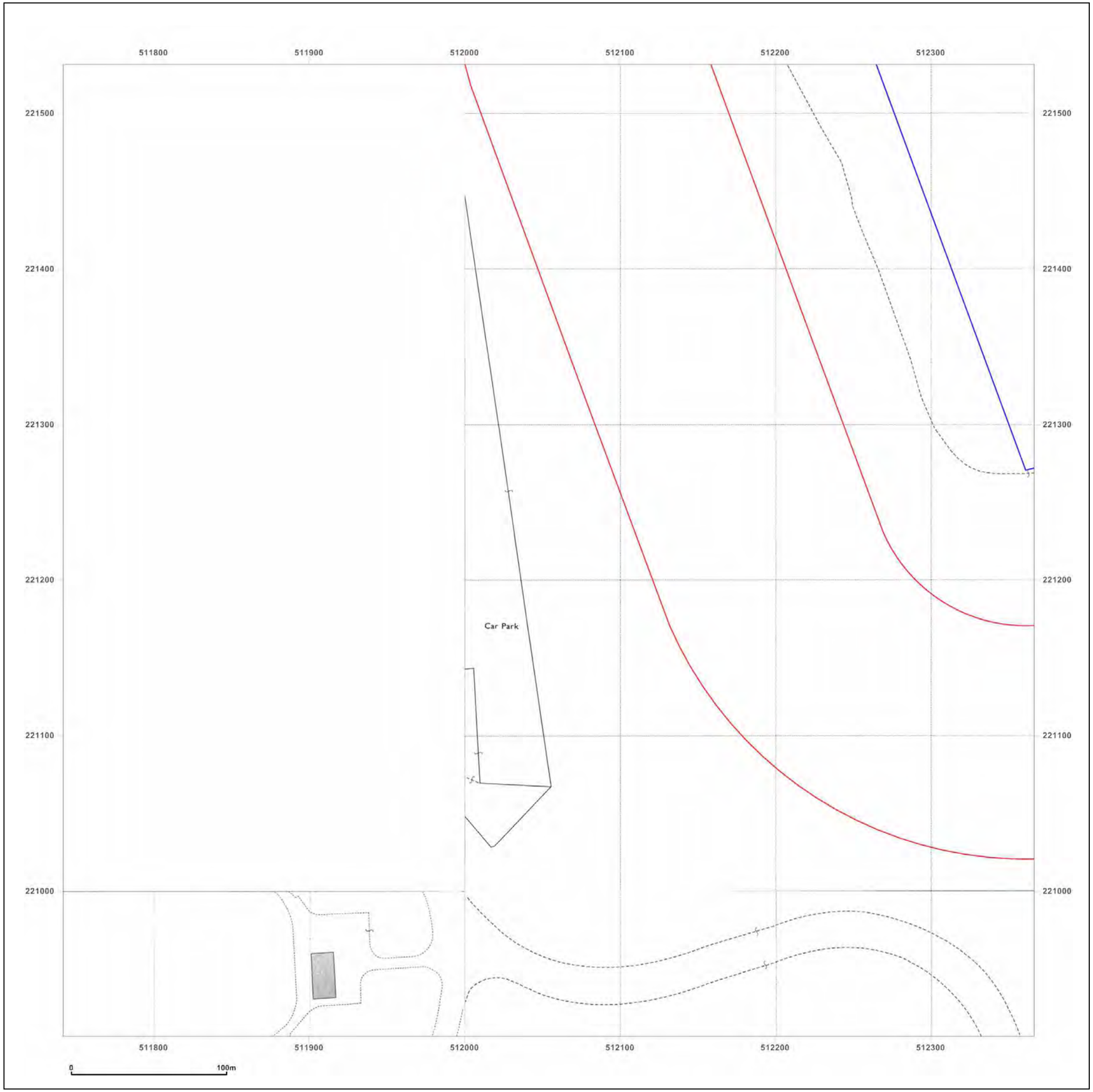

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

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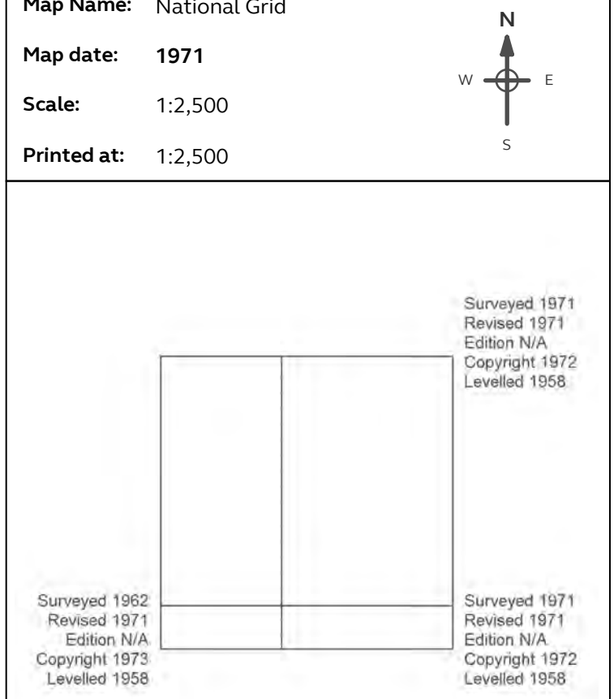

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Production date: 16 October 2018

Map legend available at:
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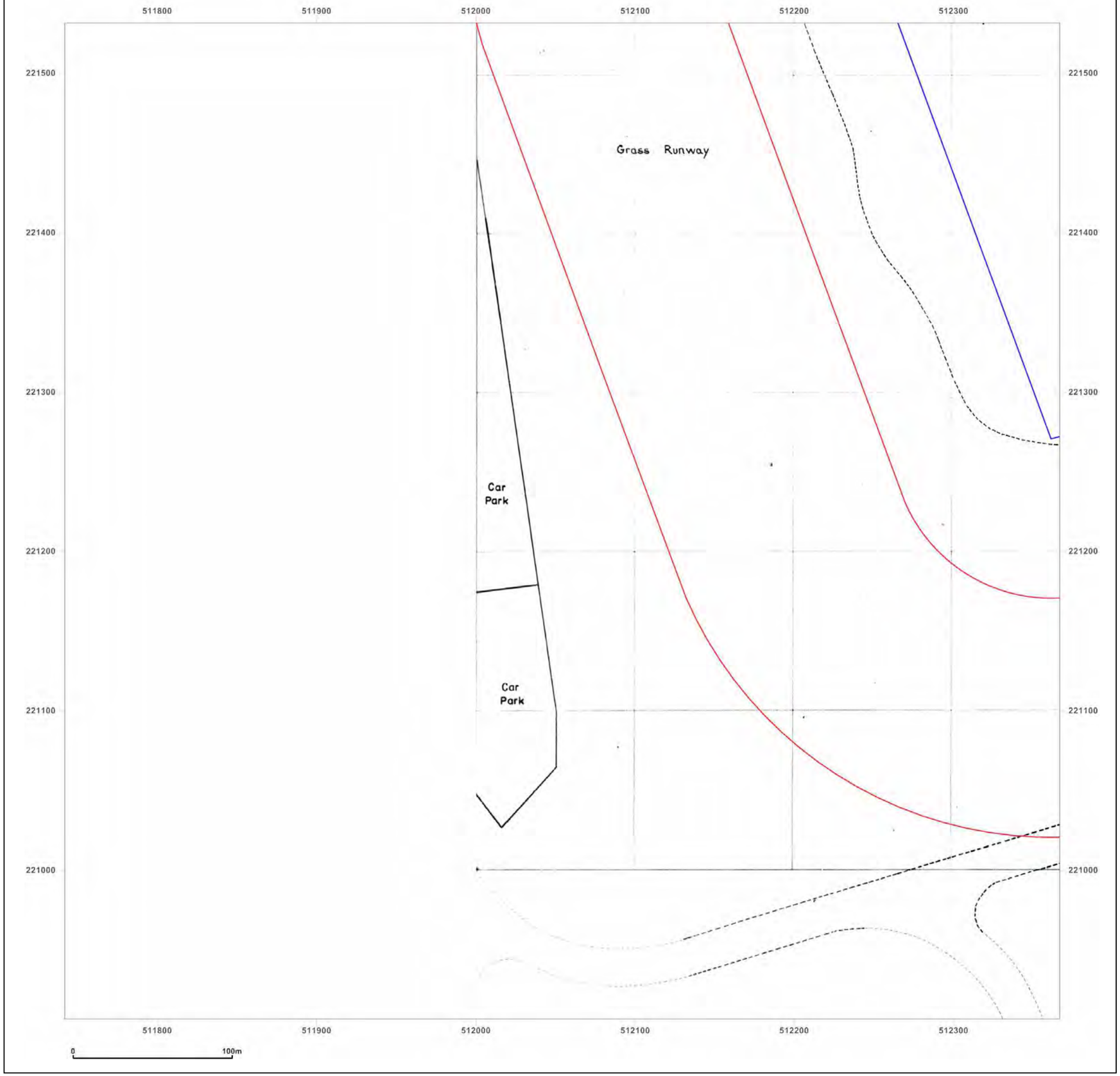

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: National Grid

Map date: **1990**

Scale: 1:2,500

Printed at: 1:2,500

N
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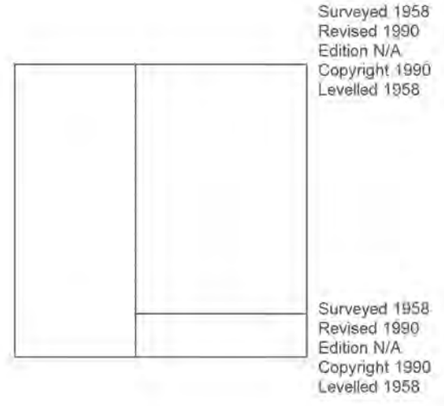

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Production date: 16 October 2018

Map legend available at:
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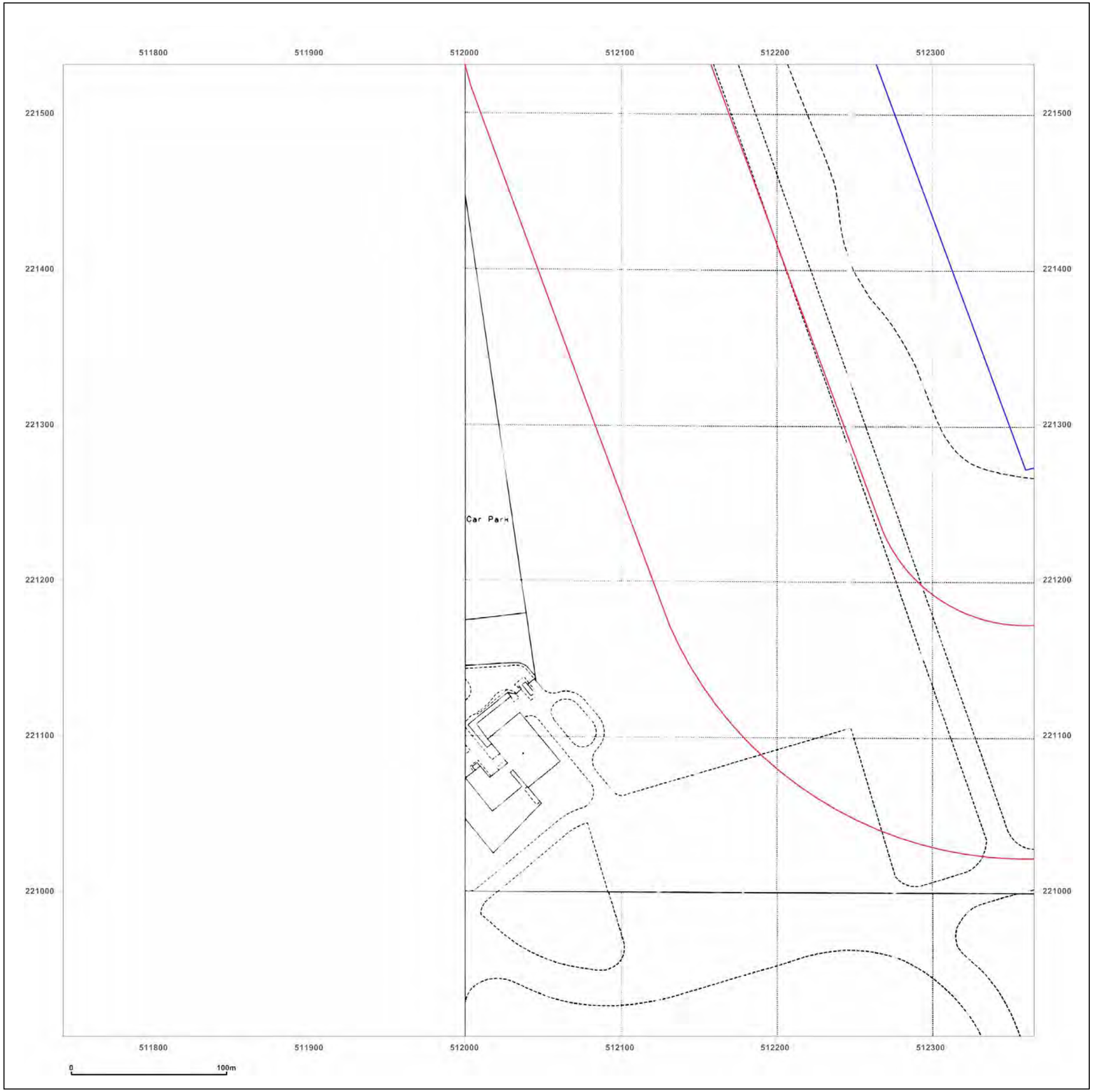

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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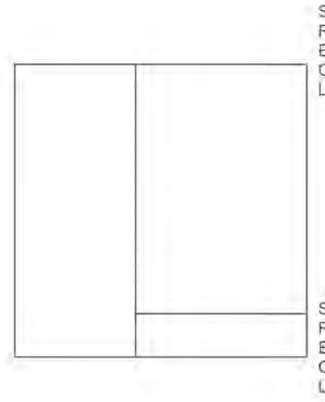

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Production date: 16 October 2018

Map legend available at:
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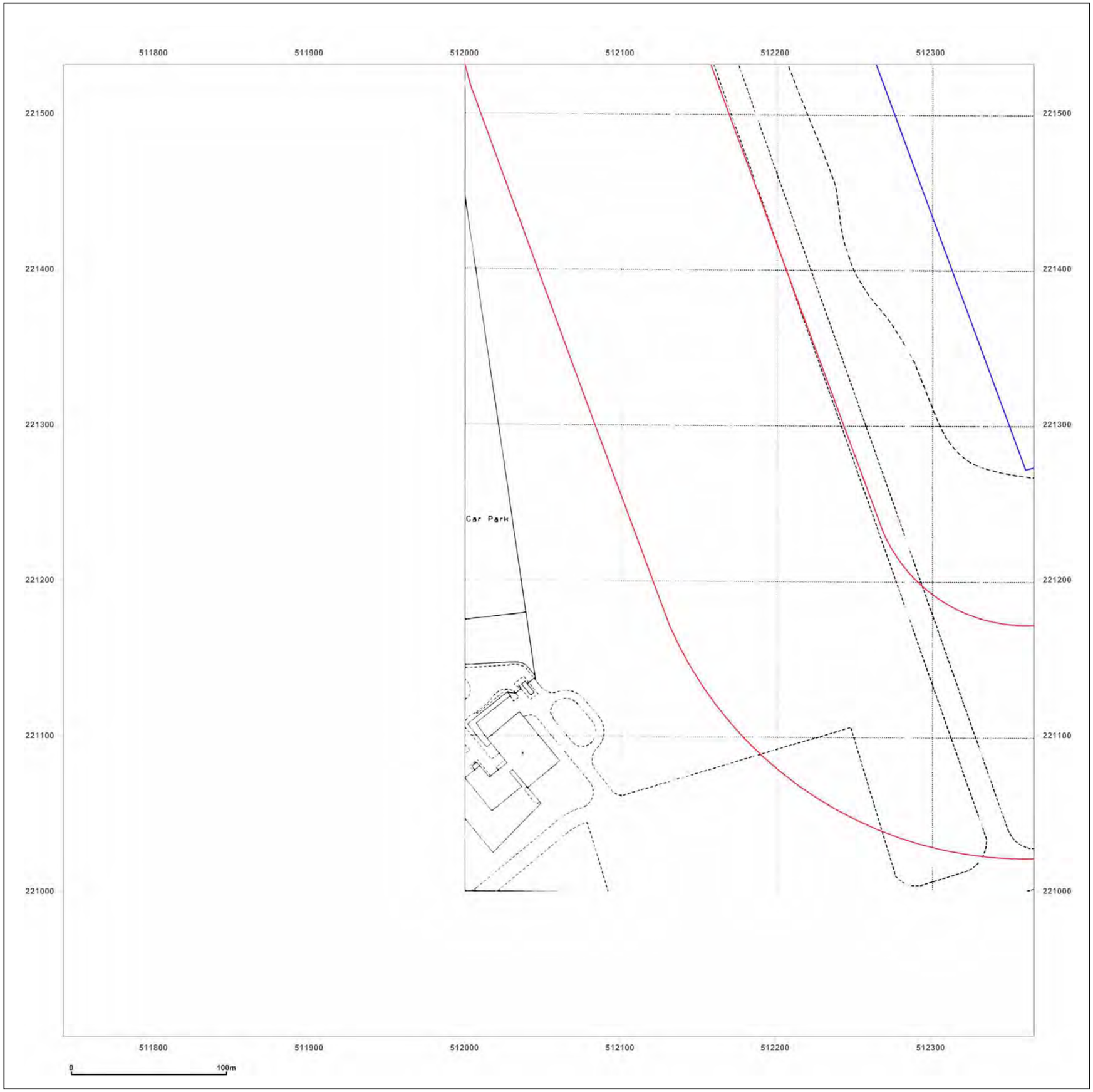

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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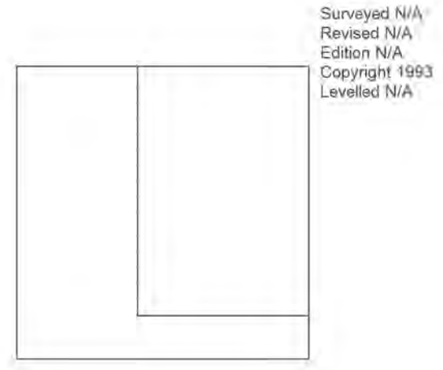

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Production date: 16 October 2018

Map legend available at:
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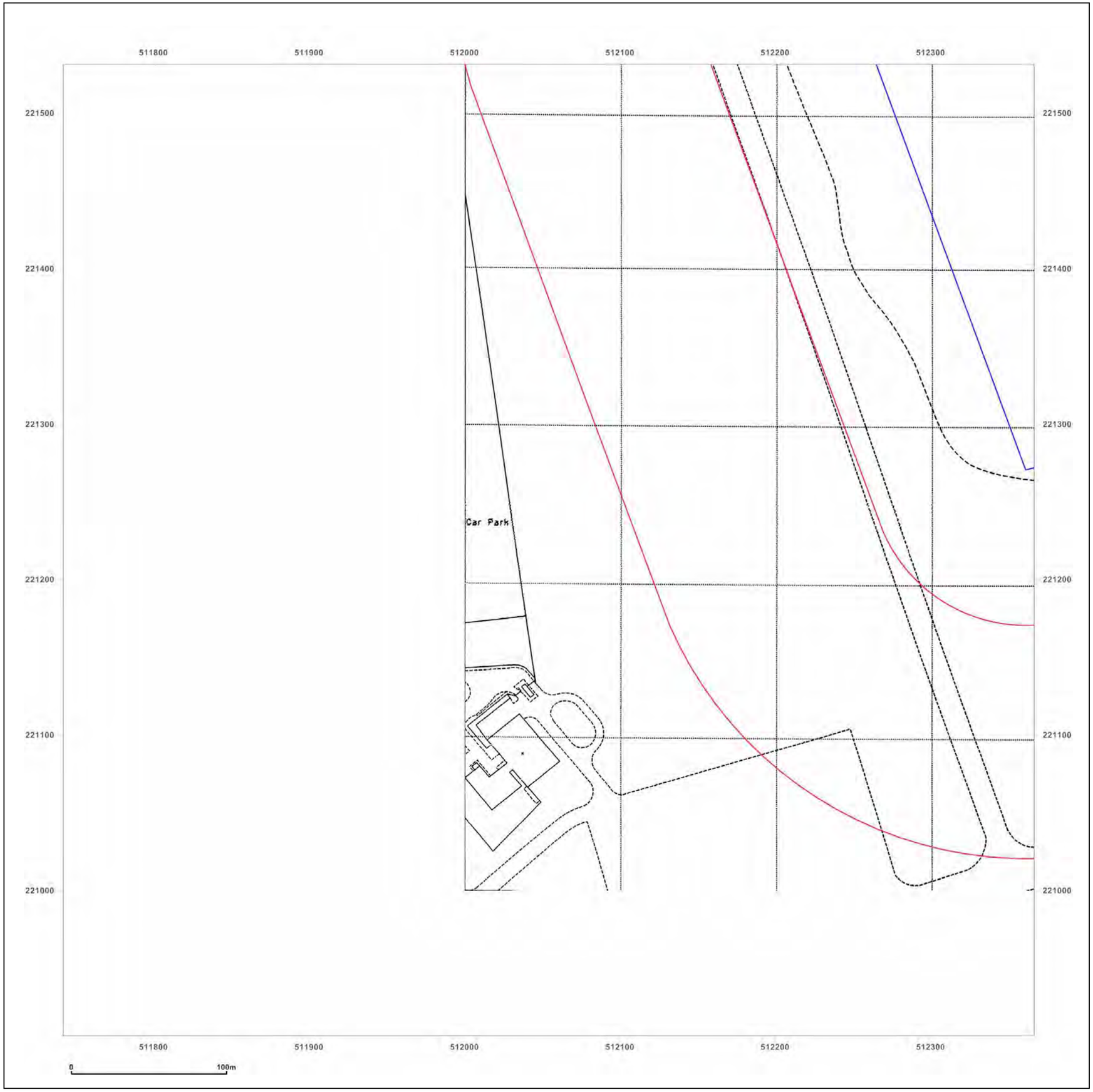

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_1
Grid Ref: 512054, 221219

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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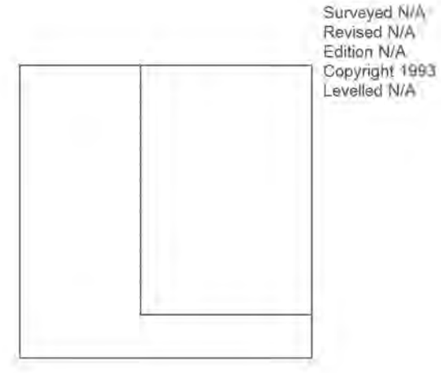

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Production date: 16 October 2018

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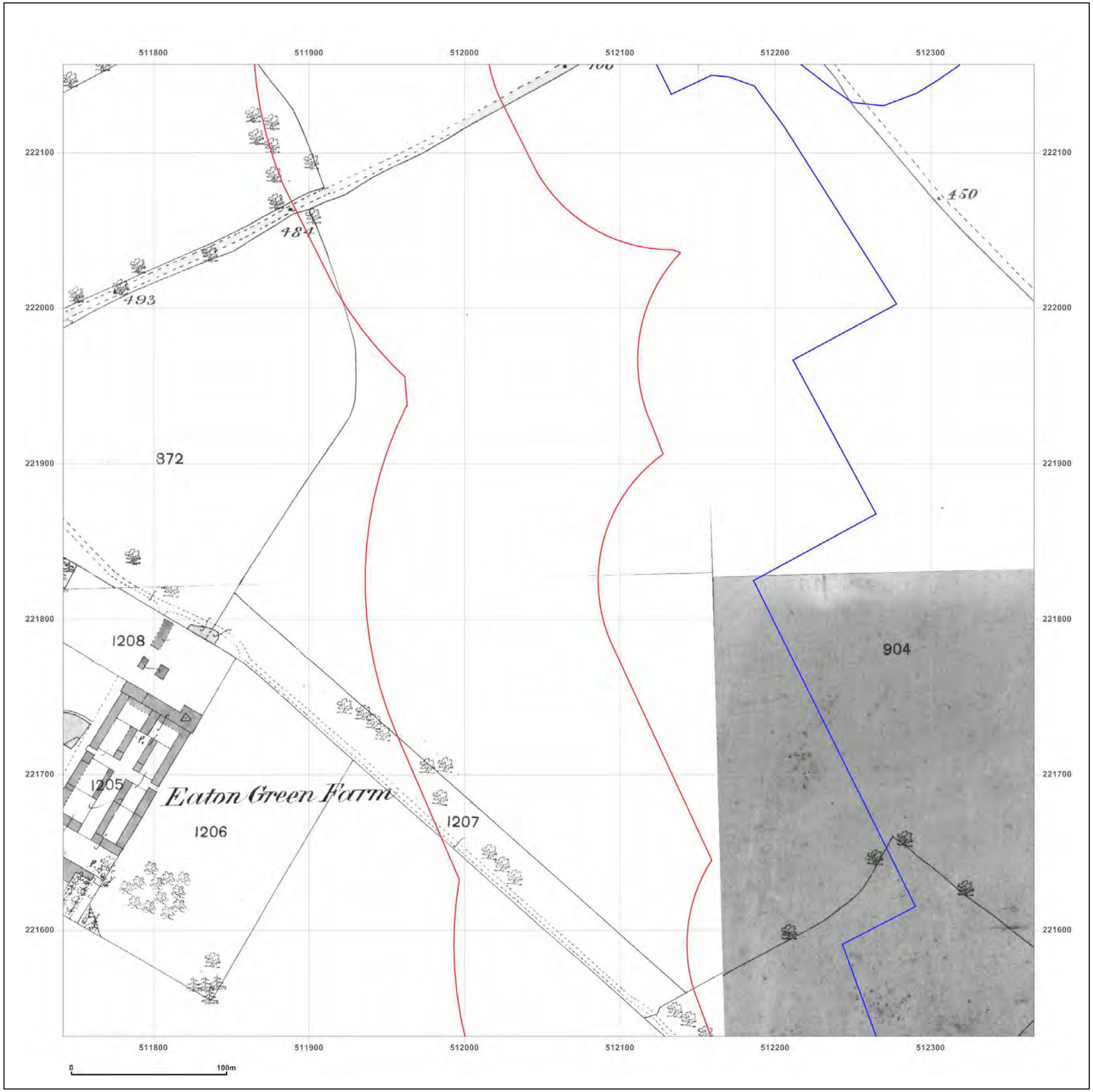

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: County Series

Map date: **1880-1881**

Scale: 1:2,500

Printed at: 1:2,500

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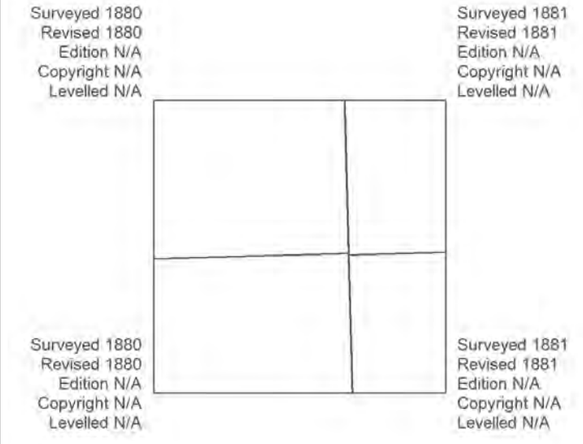

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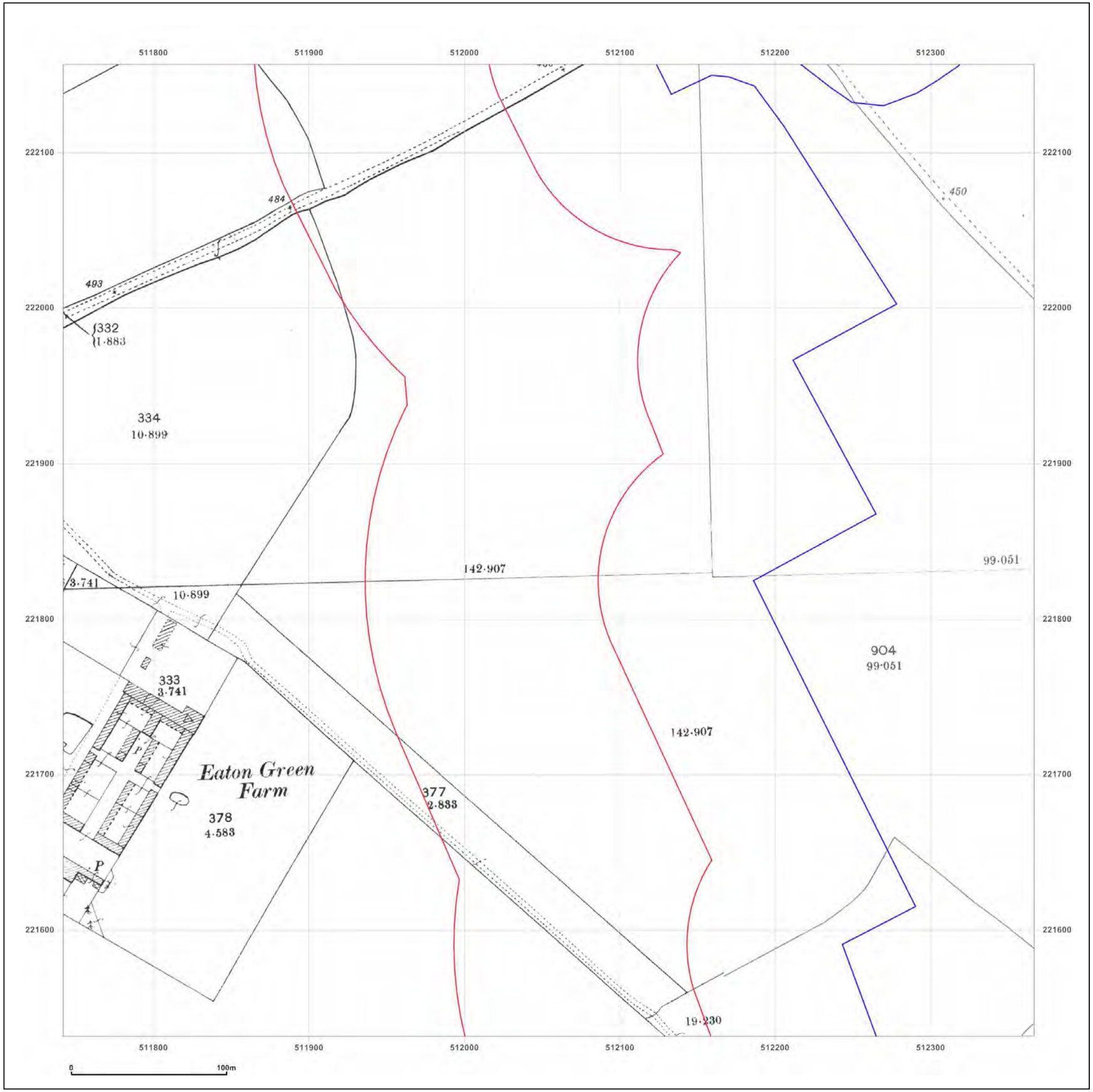

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: County Series

Map date: **1898-1901**

Scale: 1:2,500

Printed at: 1:2,500

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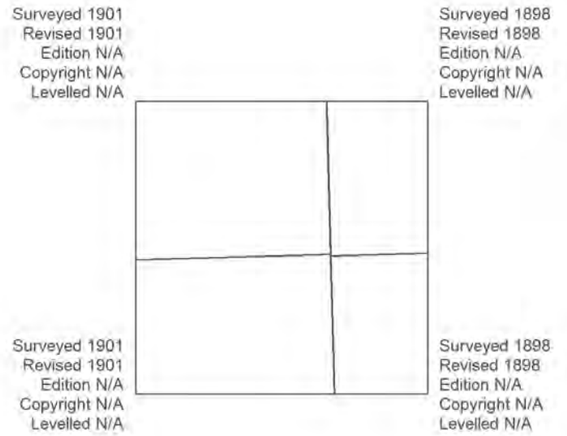

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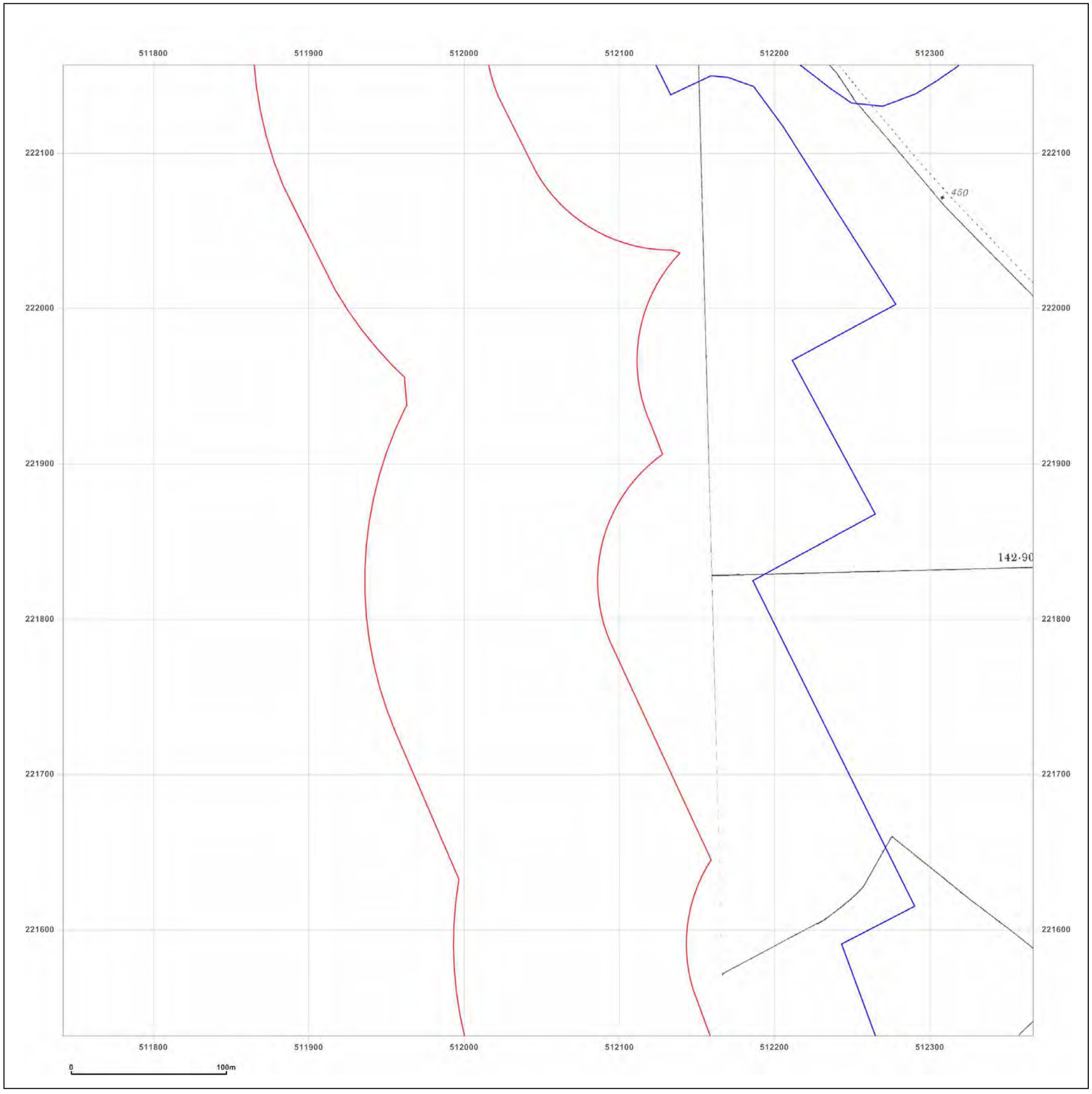

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

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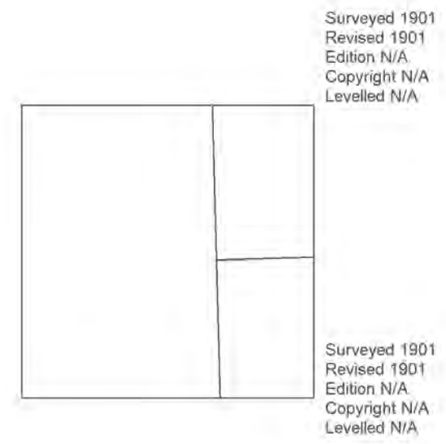

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Production date: 16 October 2018

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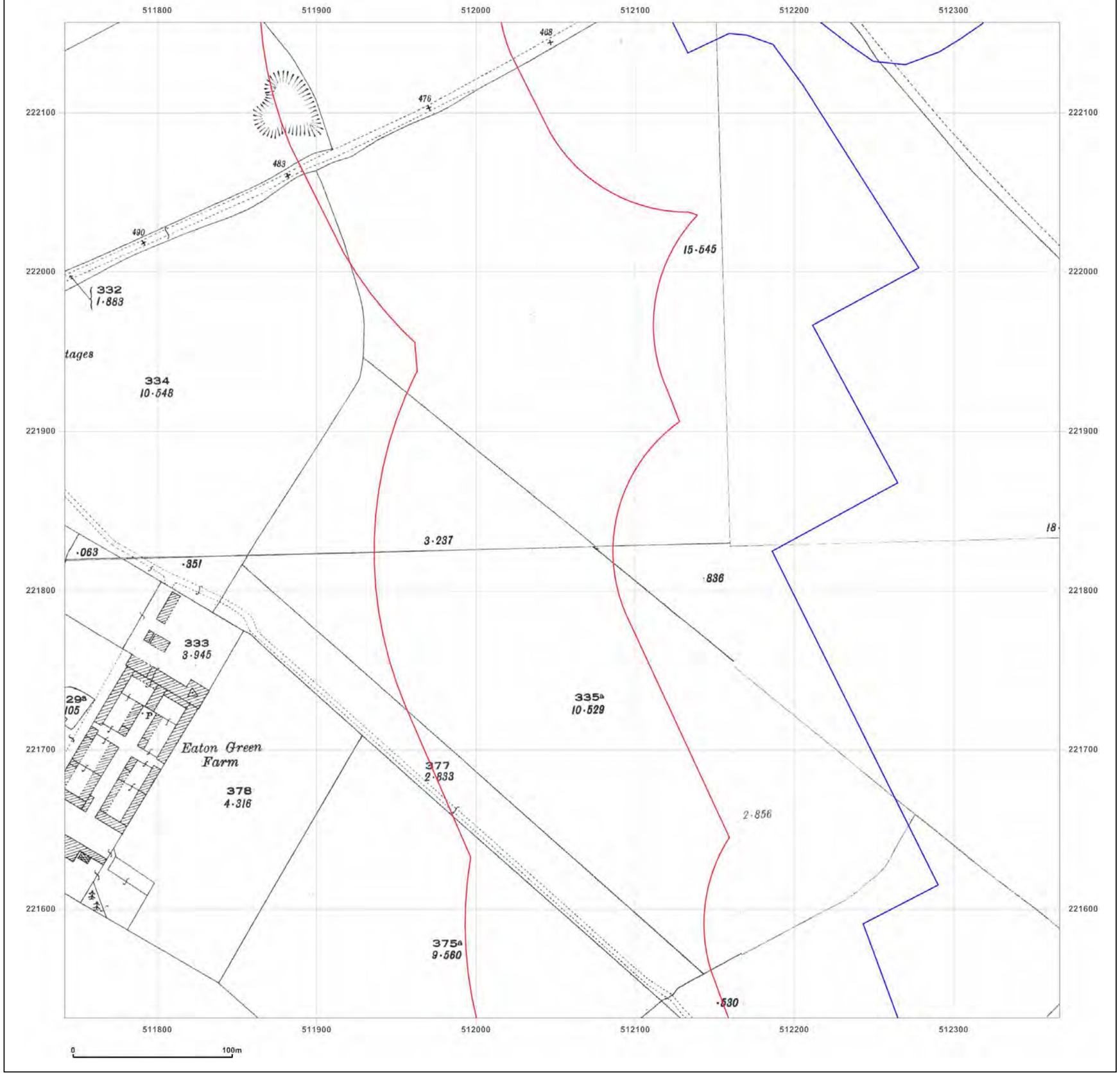

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: County Series
Map date: **1924**
Scale: 1:2,500
Printed at: 1:2,500

N
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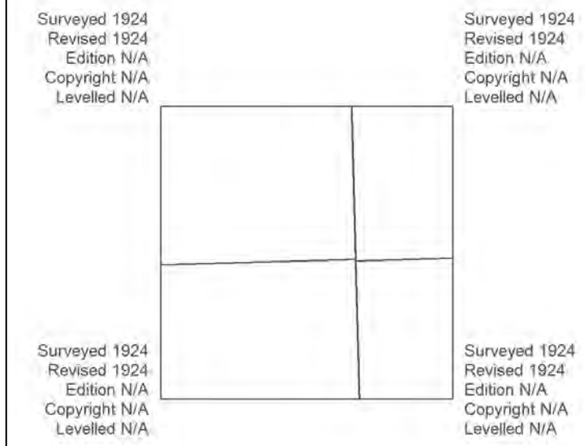

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Production date: 16 October 2018

Map legend available at:
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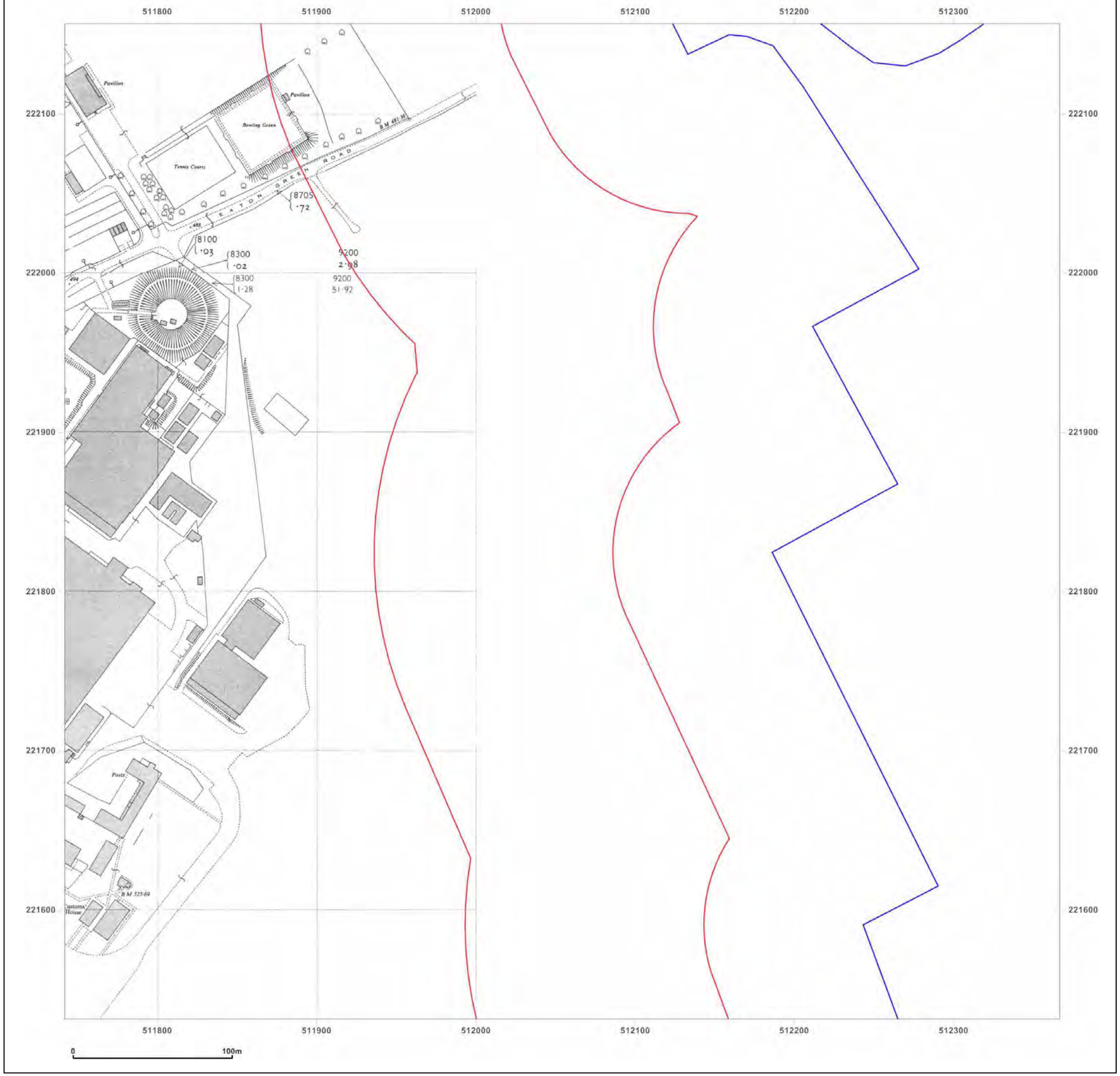

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: National Grid

Map date: **1961-1962**

Scale: 1:2,500

Printed at: 1:2,500

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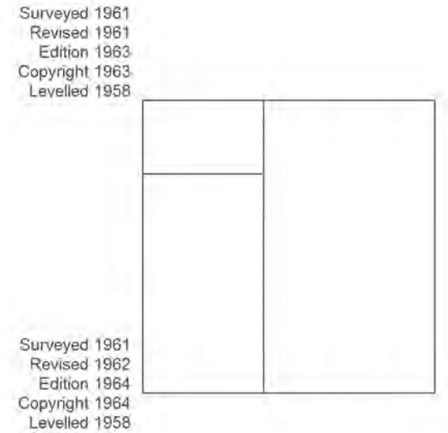

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Production date: 16 October 2018

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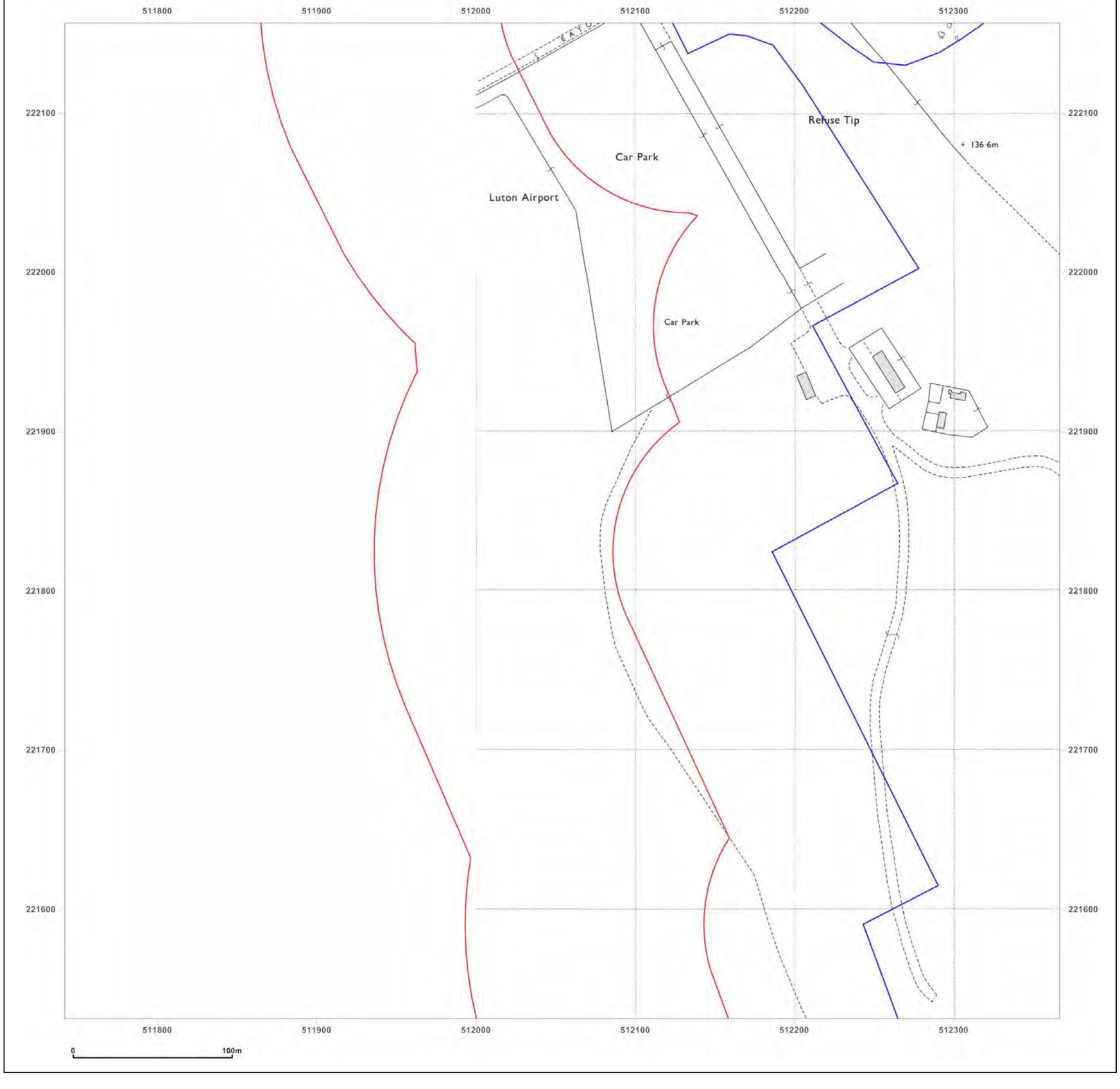

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

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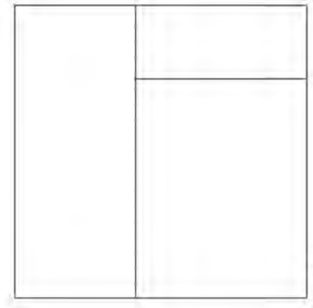

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Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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Revised 1971
Edition N/A
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Production date: 16 October 2018

Map legend available at:
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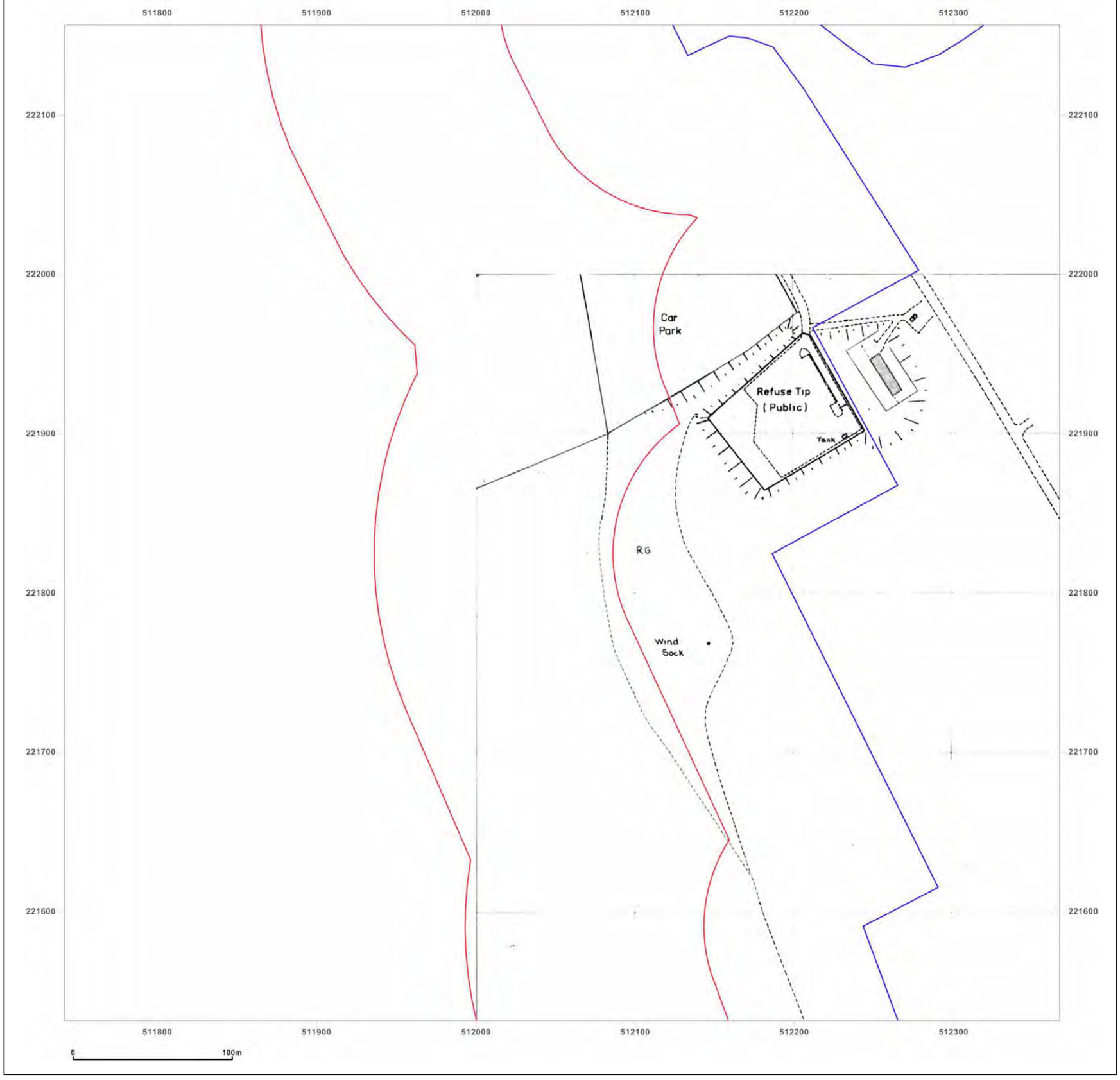

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: National Grid

Map date: **1990**

Scale: 1:2,500

Printed at: 1:2,500

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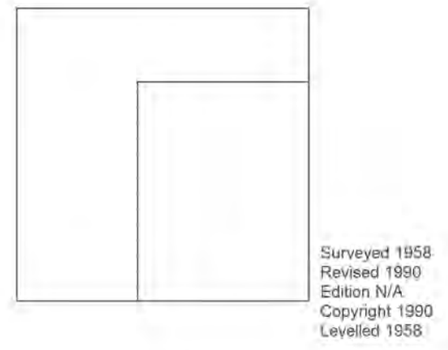

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Production date: 16 October 2018

Map legend available at:
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Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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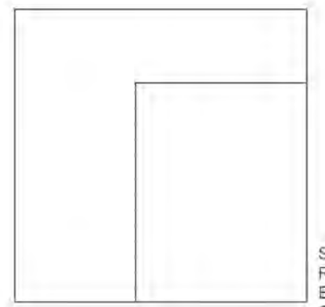

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E: info@groundsure.com
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Production date: 16 October 2018

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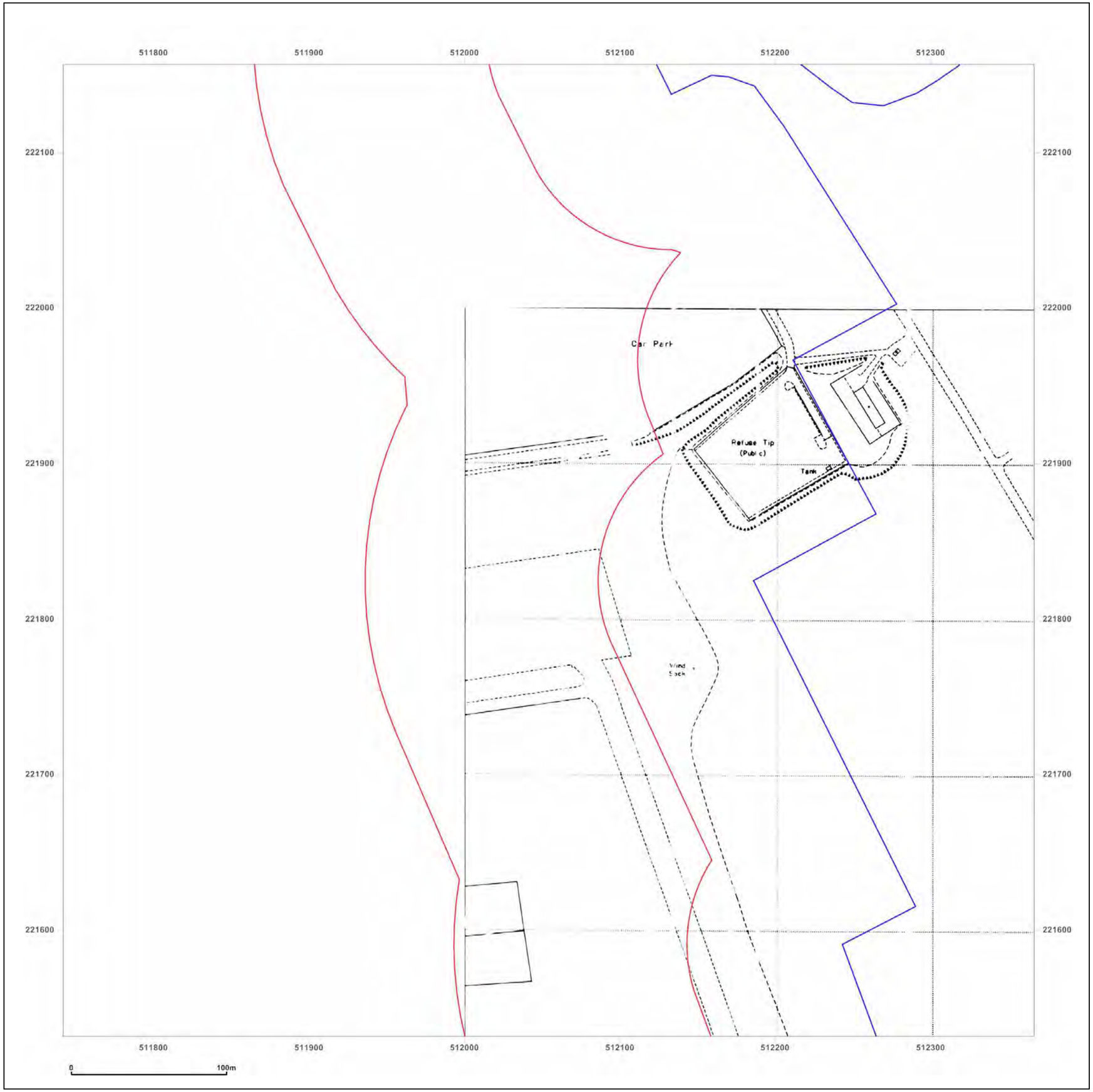

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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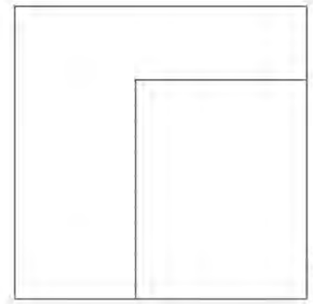

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Revised N/A
Edition N/A
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Production date: 16 October 2018

Map legend available at:
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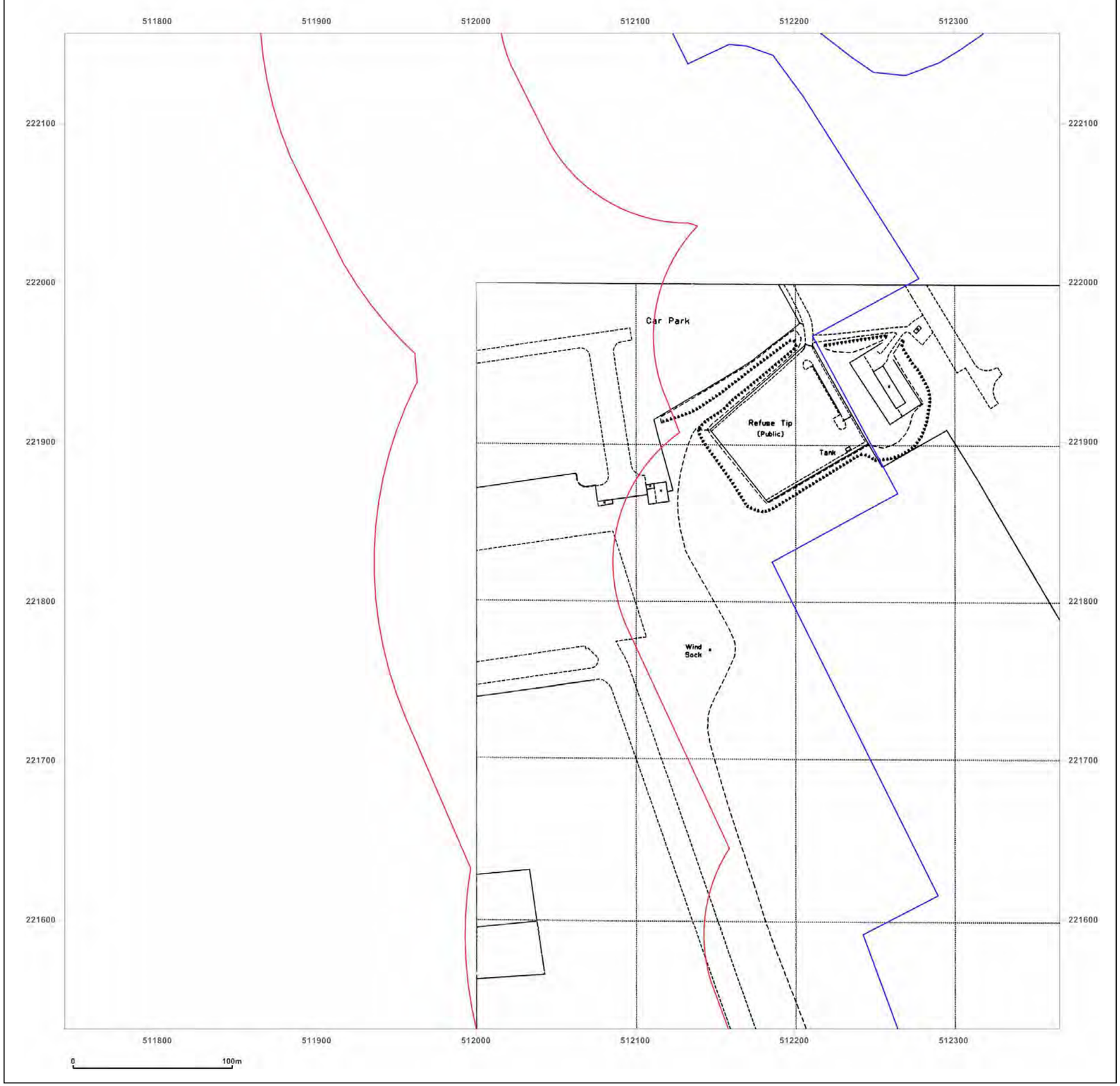

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_2
Grid Ref: 512054, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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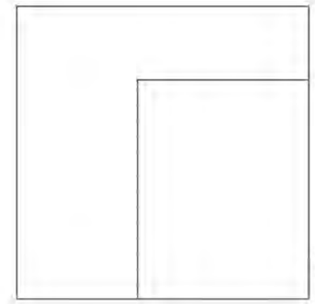

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Revised N/A
Edition N/A
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Production date: 16 October 2018

Map legend available at:
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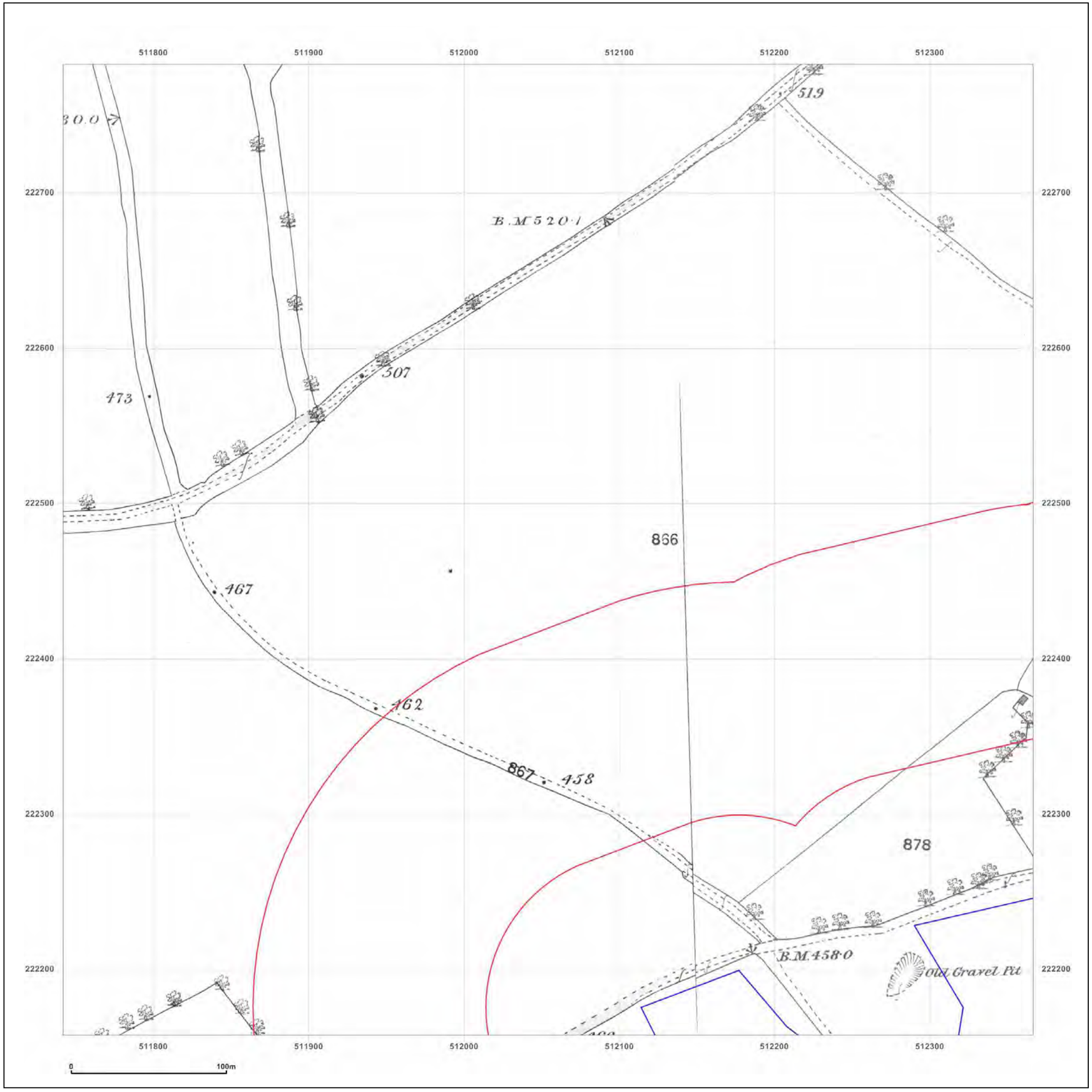

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_3
Grid Ref: 512054, 222470

Map Name: County Series

Map date: **1880-1881**

Scale: 1:2,500

Printed at: 1:2,500

N
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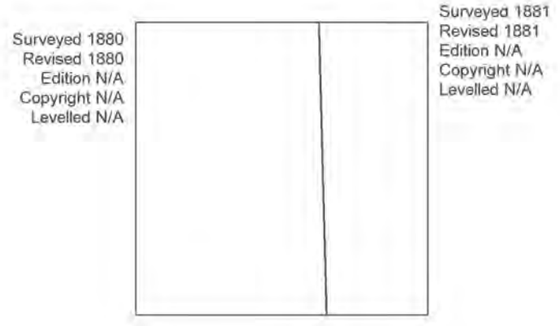

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Production date: 16 October 2018

Map legend available at:
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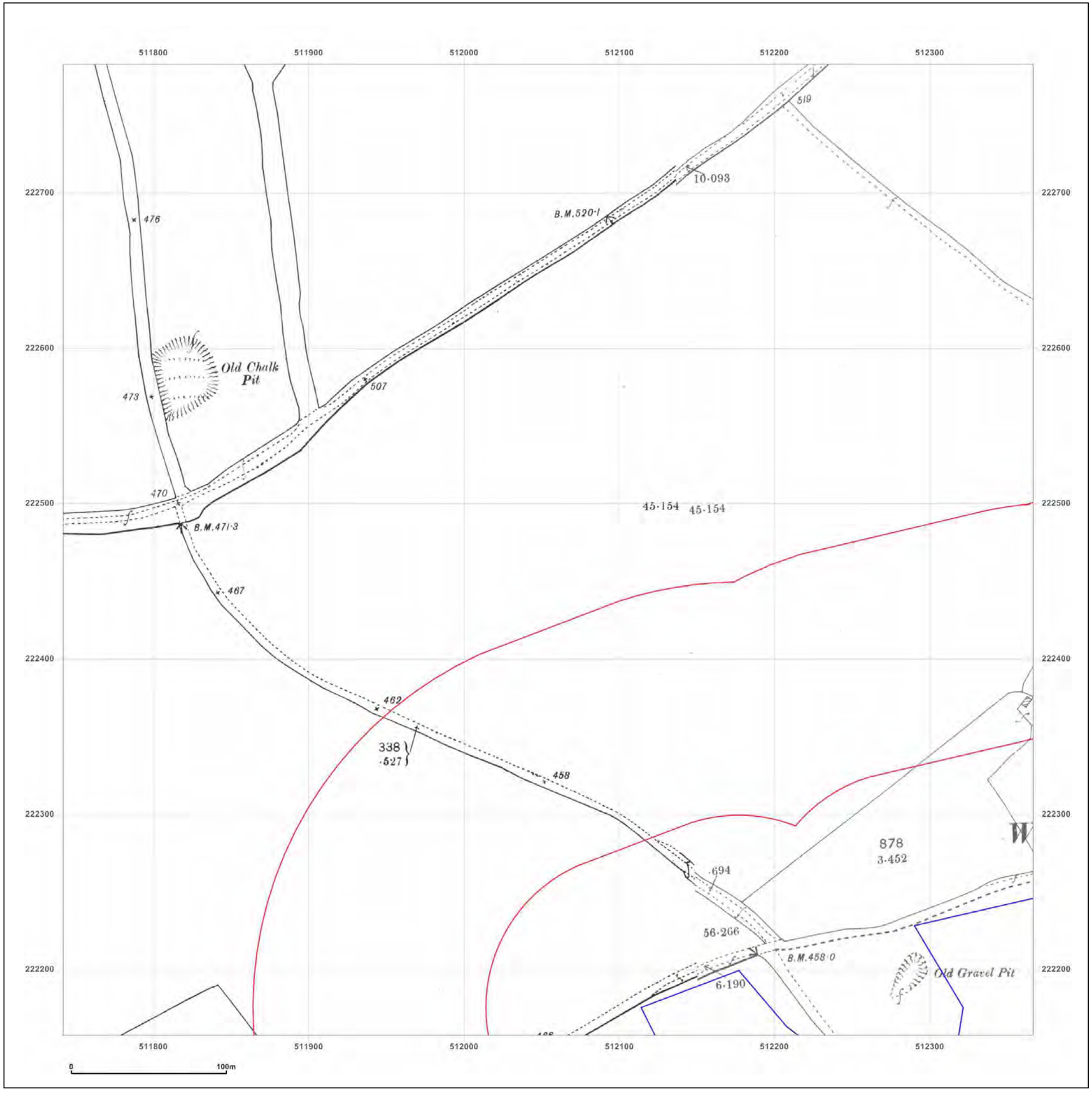

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_3
Grid Ref: 512054, 222470

Map Name: County Series

Map date: **1898-1901**

Scale: 1:2,500

Printed at: 1:2,500

N
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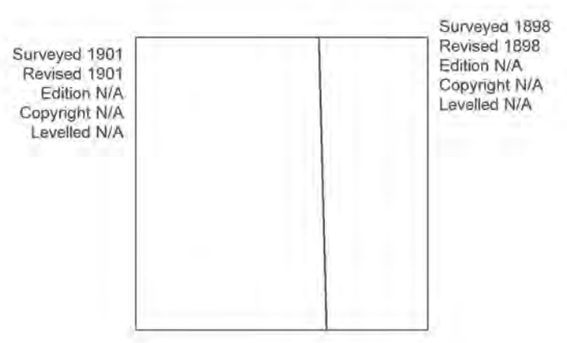

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Production date: 16 October 2018

Map legend available at:
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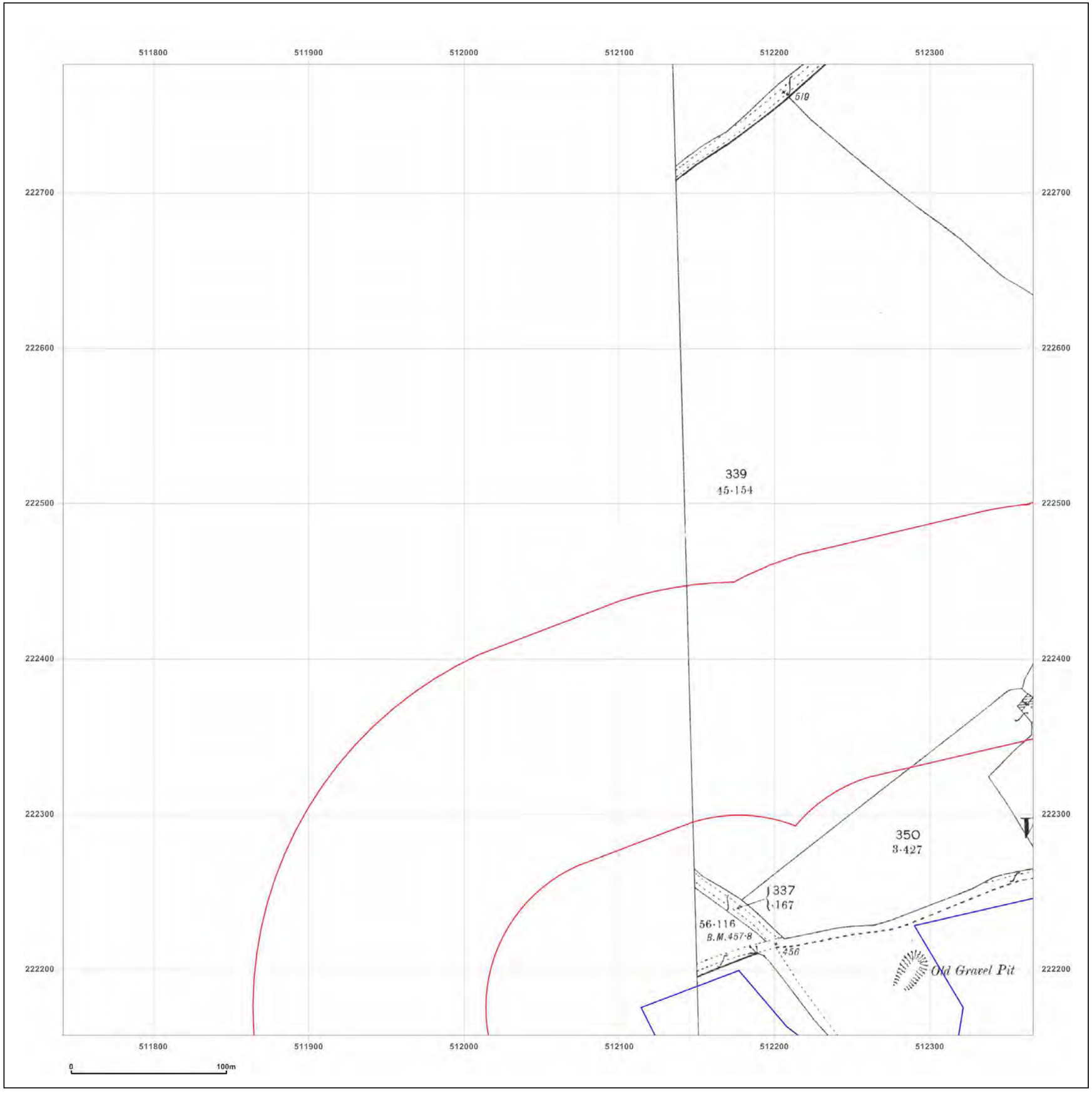

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_3
Grid Ref: 512054, 222470

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
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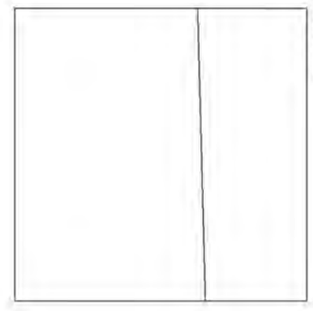

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Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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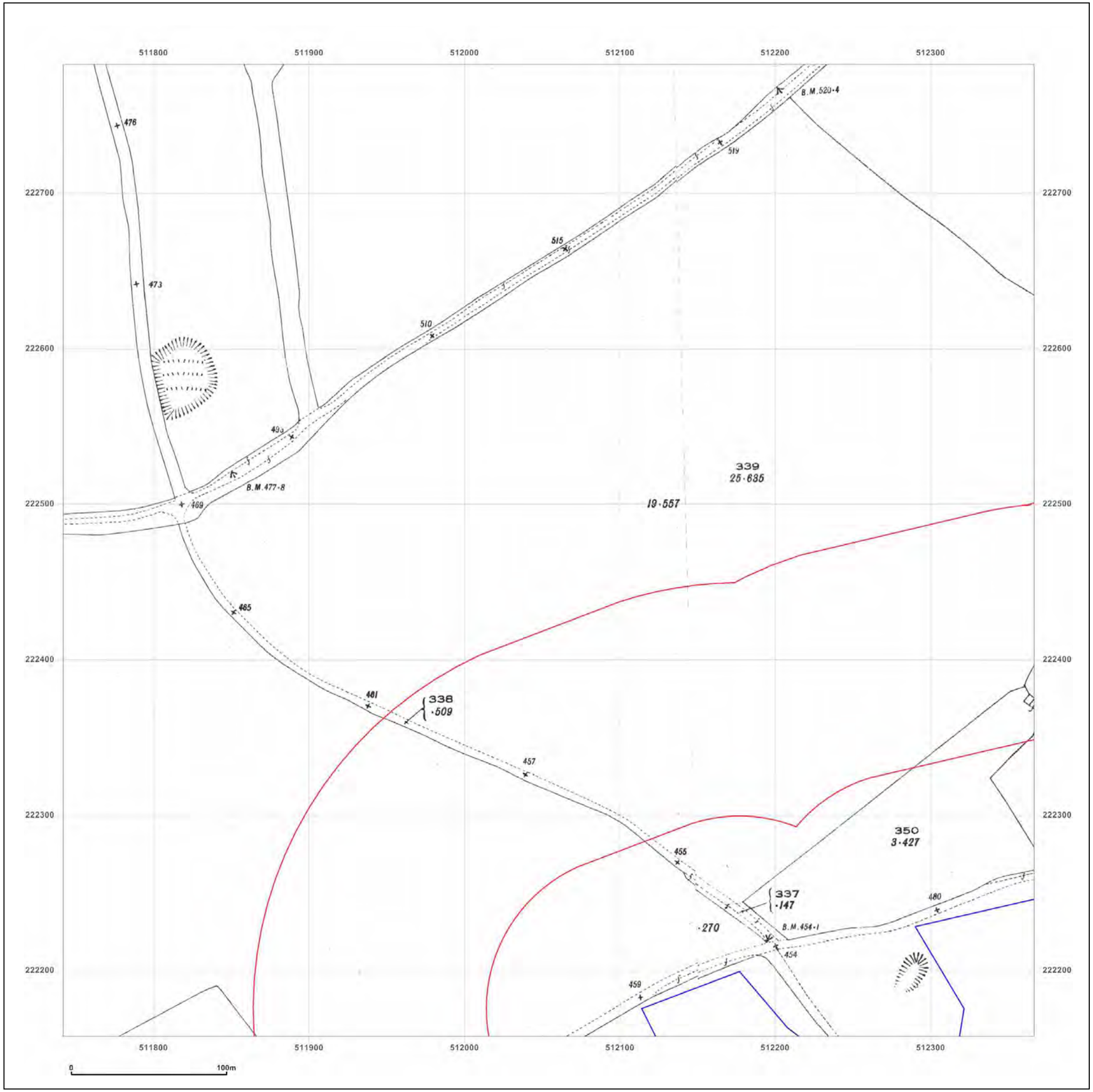

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_3
Grid Ref: 512054, 222470

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

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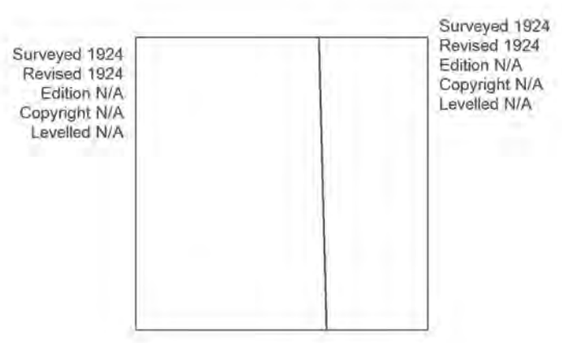

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[REDACTED]

Production date: 16 October 2018

Map legend available at:
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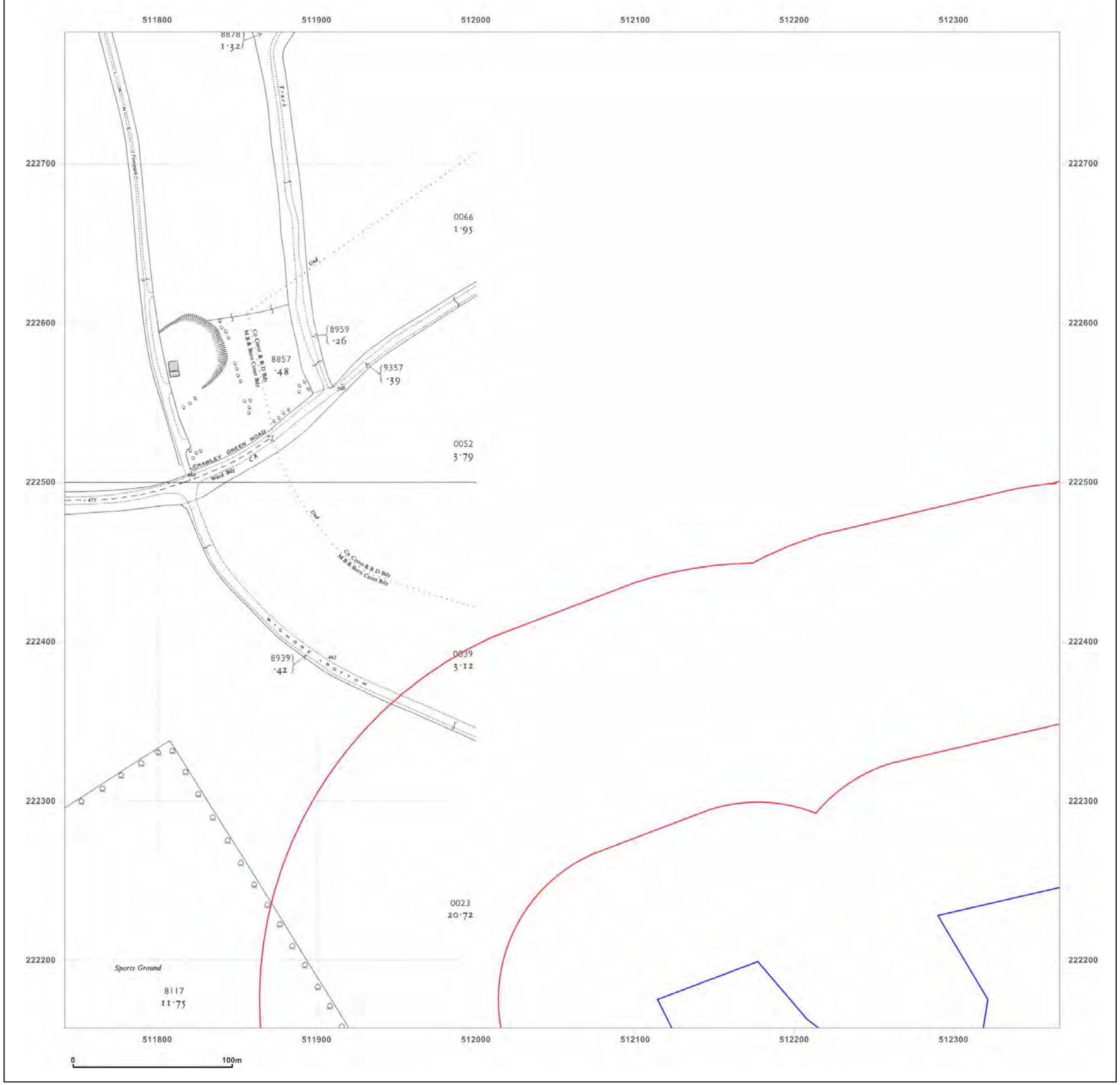

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_3
Grid Ref: 512054, 222470

Map Name: National Grid

Map date: **1961**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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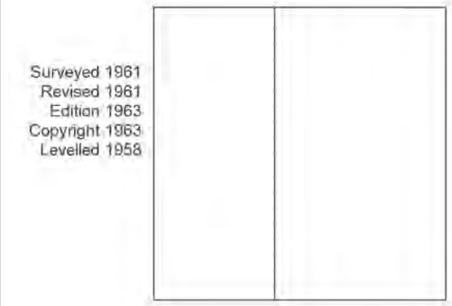

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[REDACTED]

Production date: 16 October 2018

Map legend available at:
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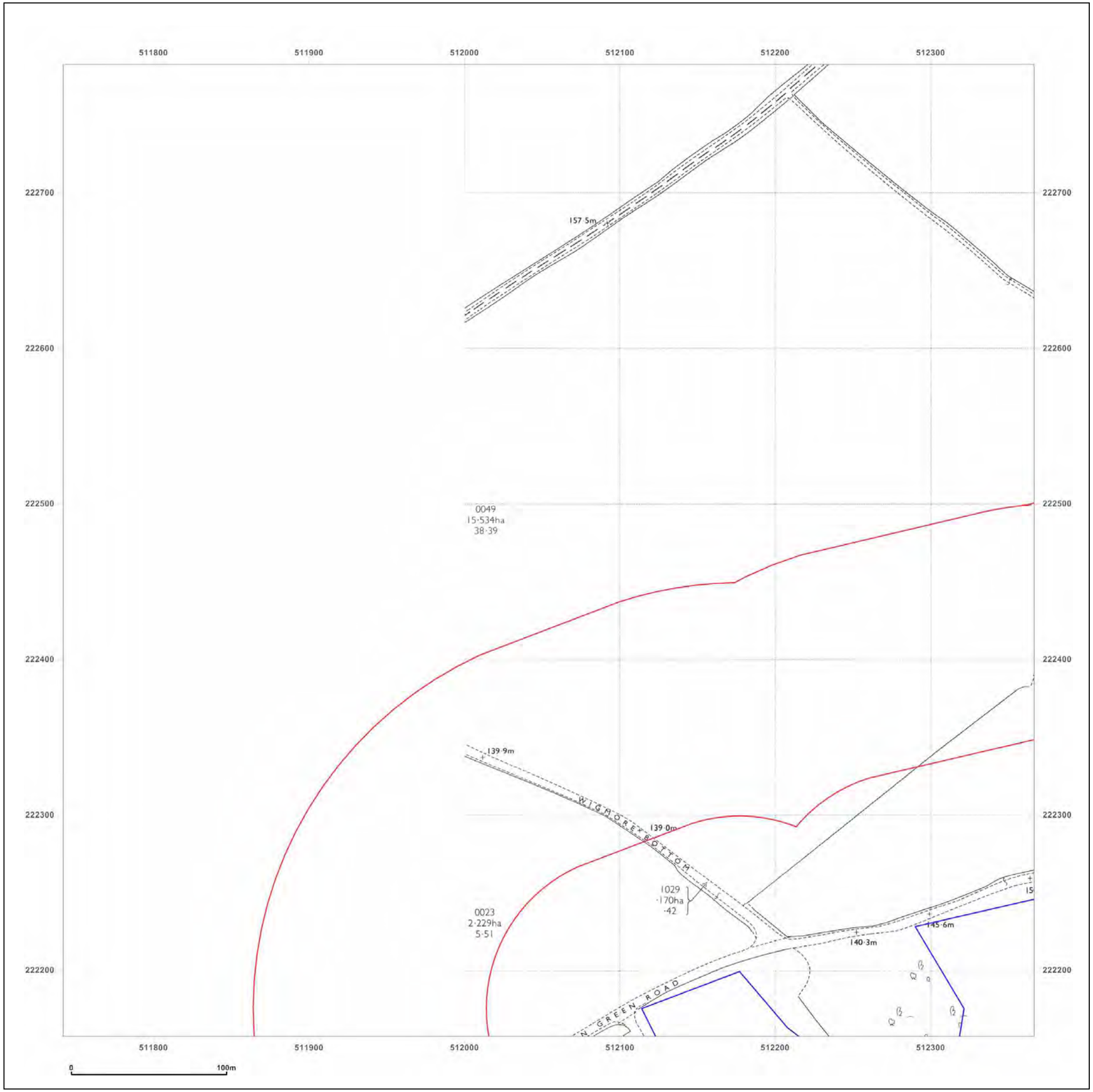

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_1_3
Grid Ref: 512054, 222470

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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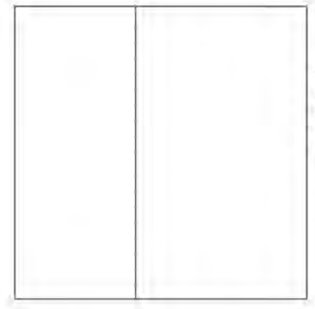

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Production date: 16 October 2018

Map legend available at:
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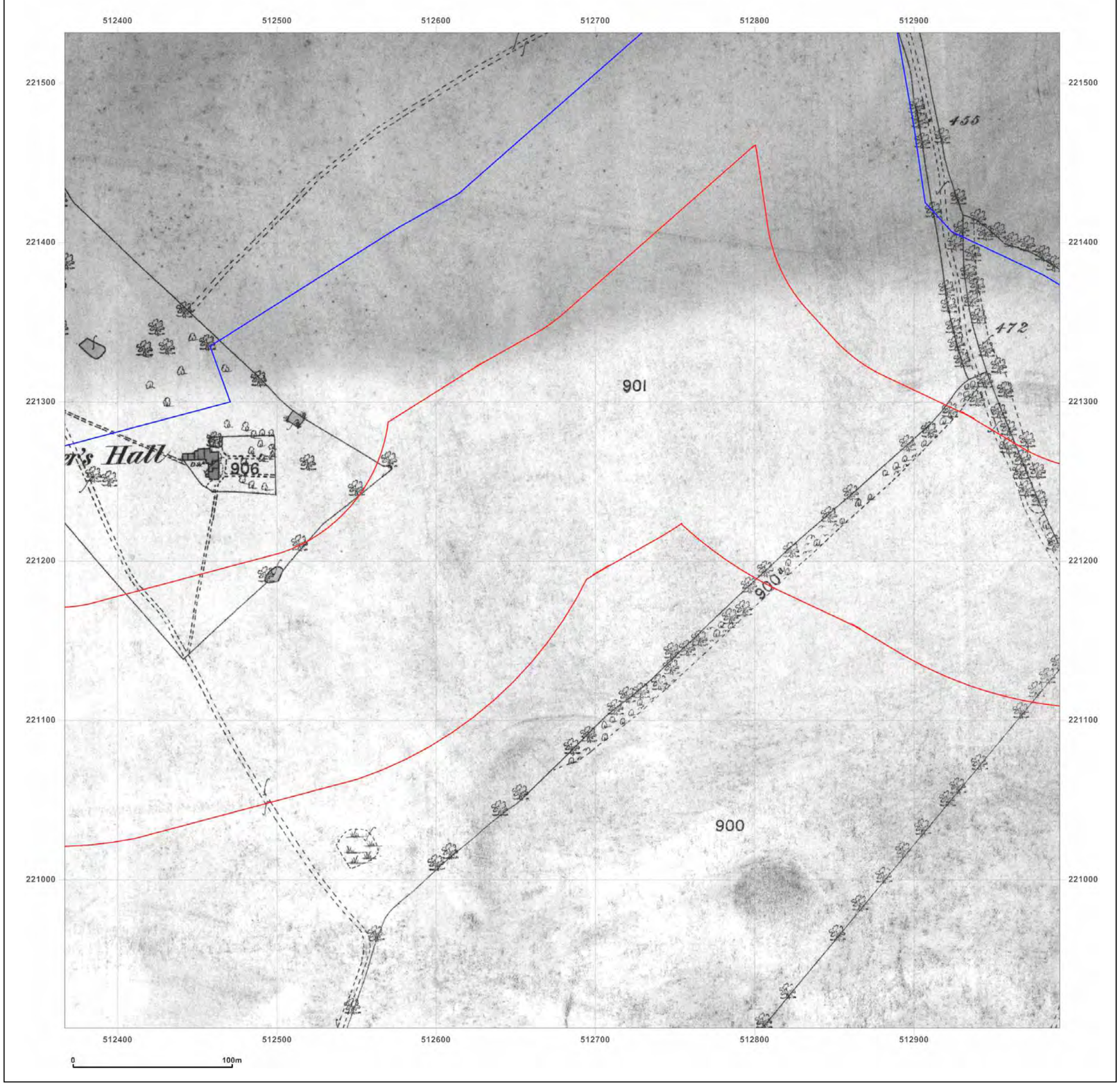

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: County Series

Map date: **1881**

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

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Production date: 16 October 2018

Map legend available at:
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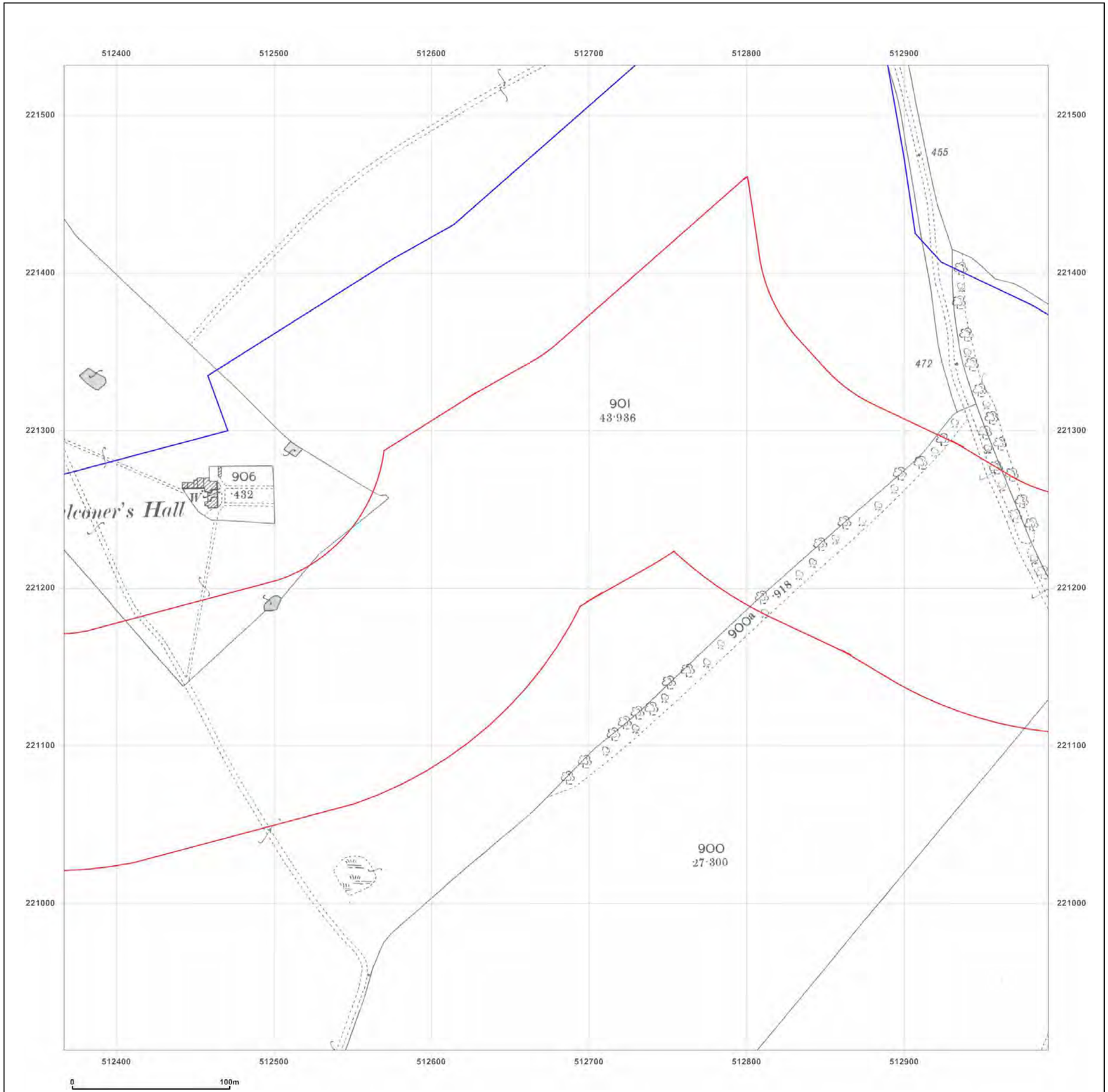

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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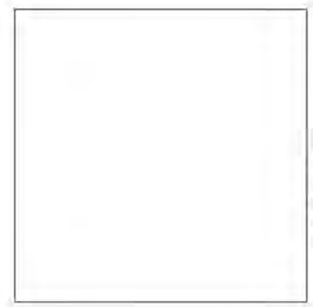

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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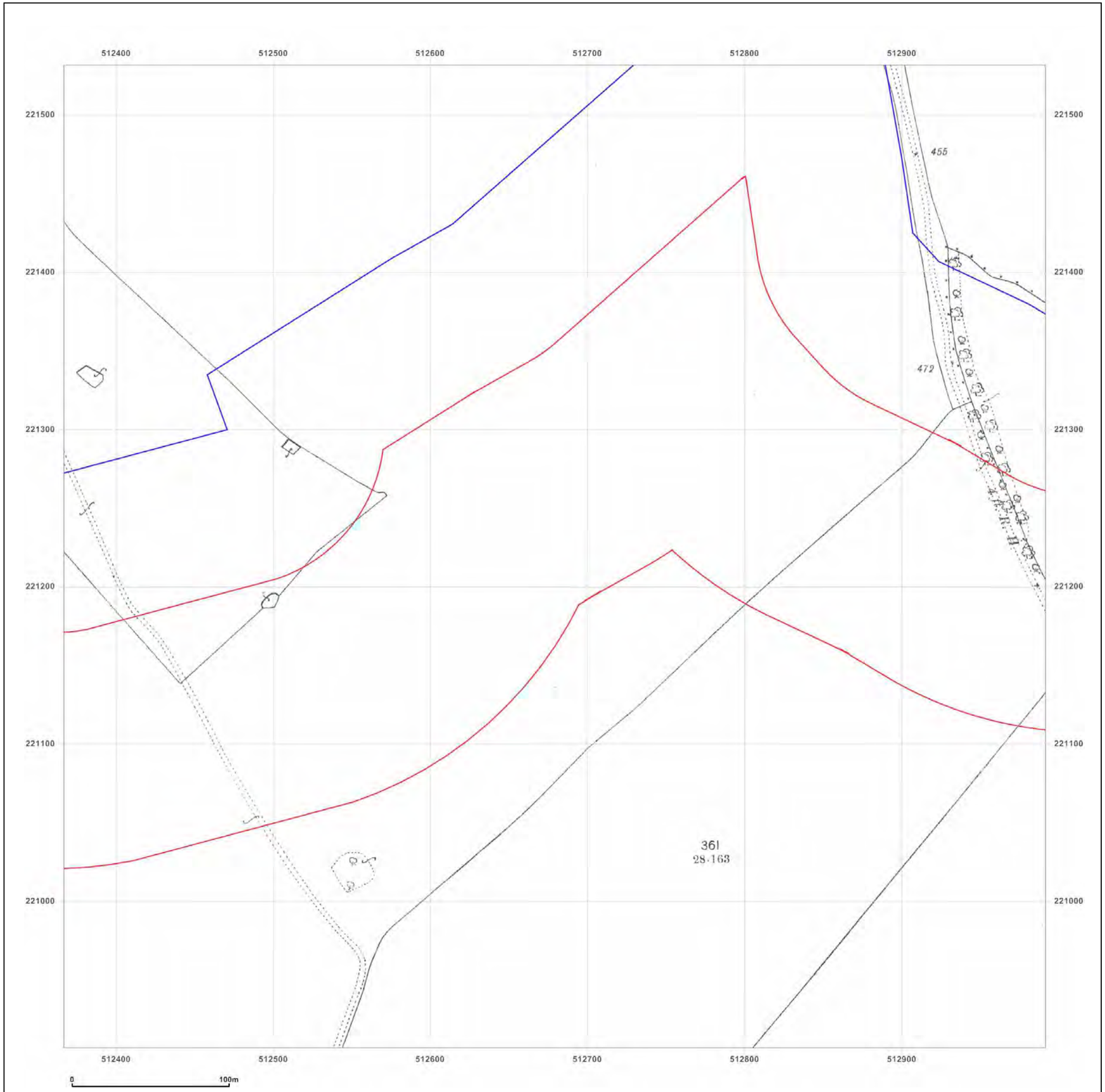

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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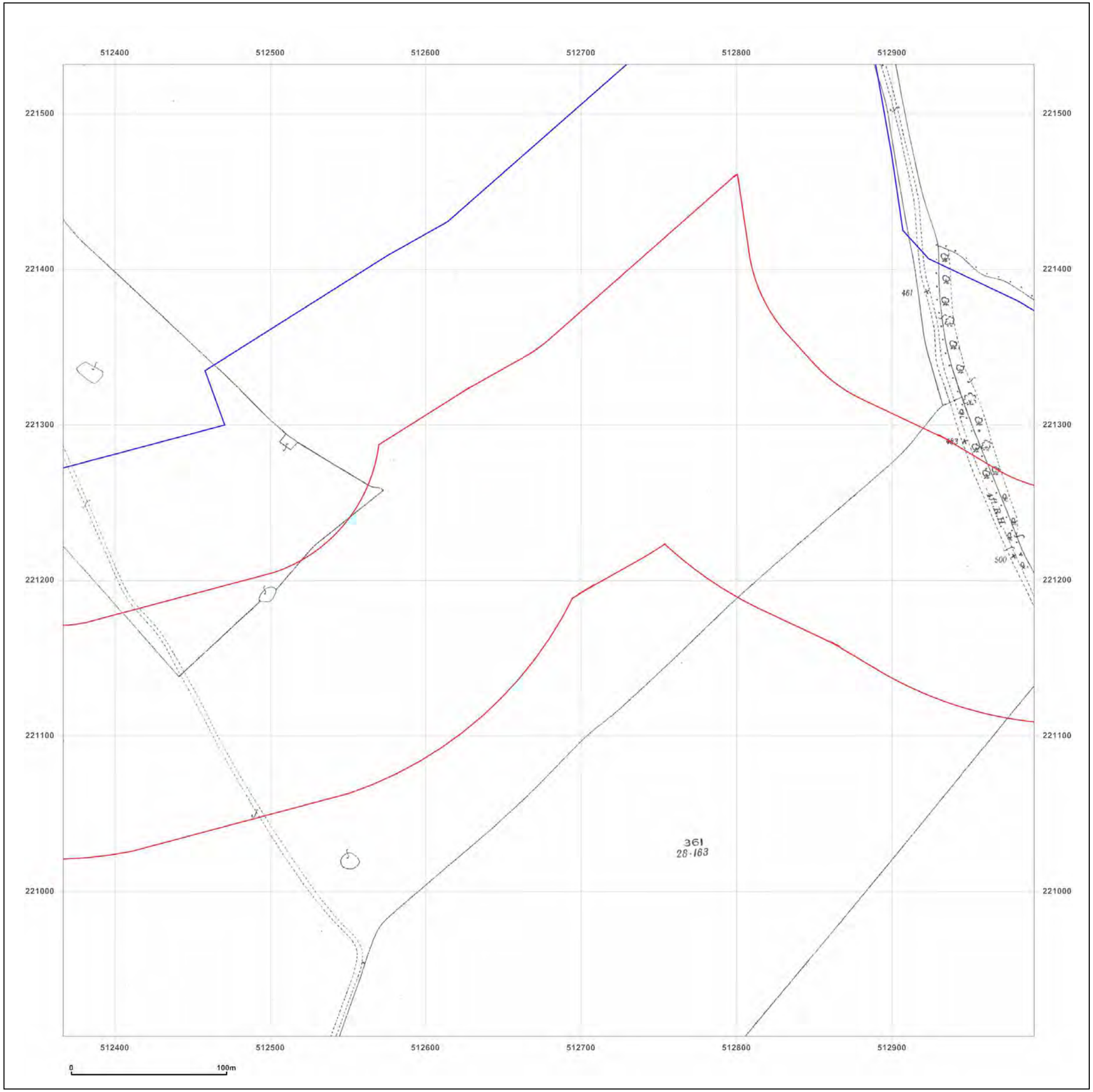

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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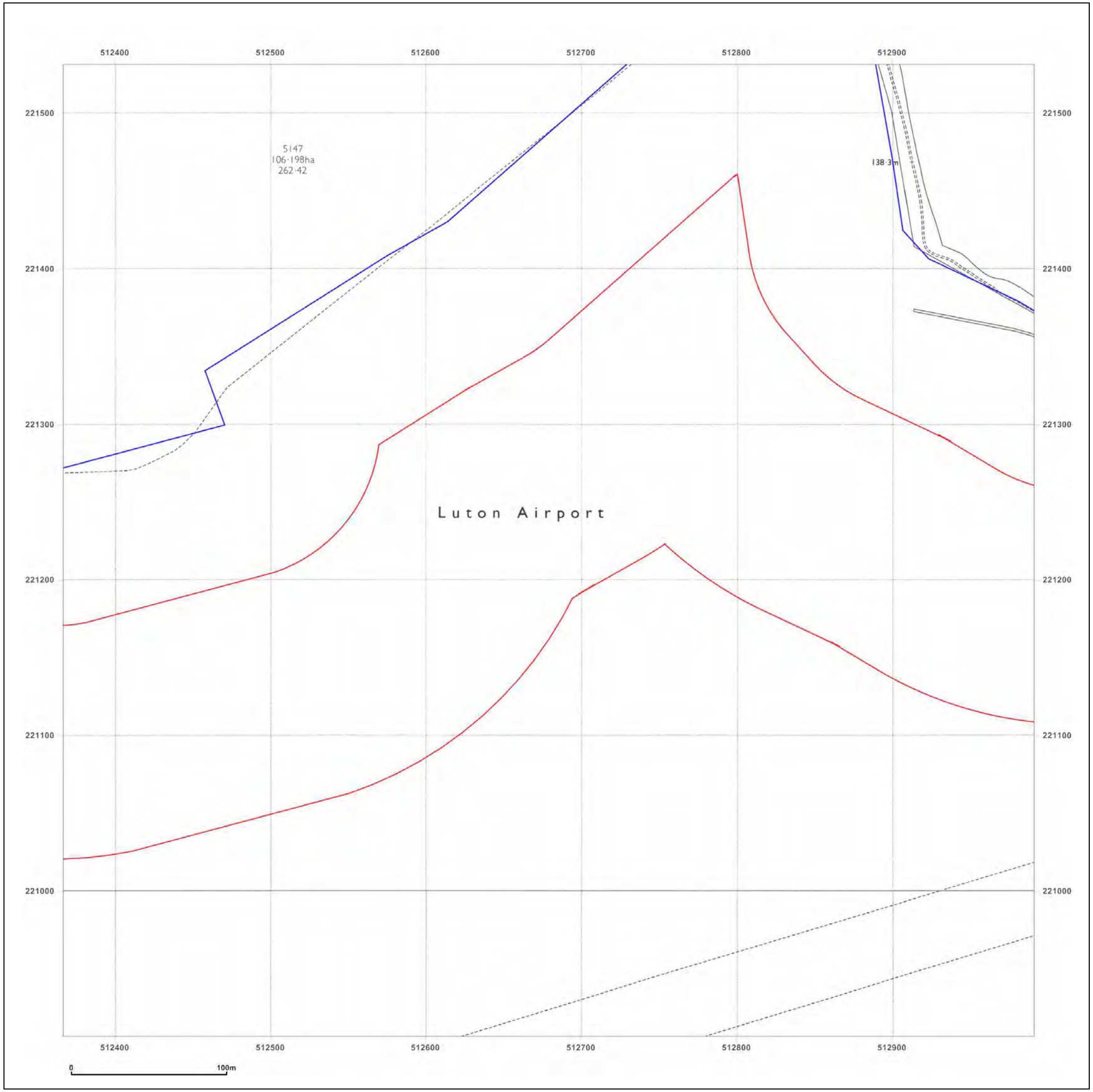

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

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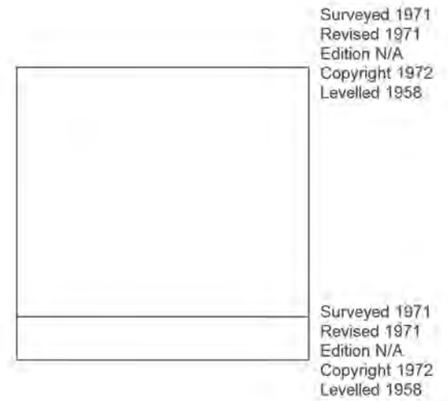

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Production date: 16 October 2018

Map legend available at:
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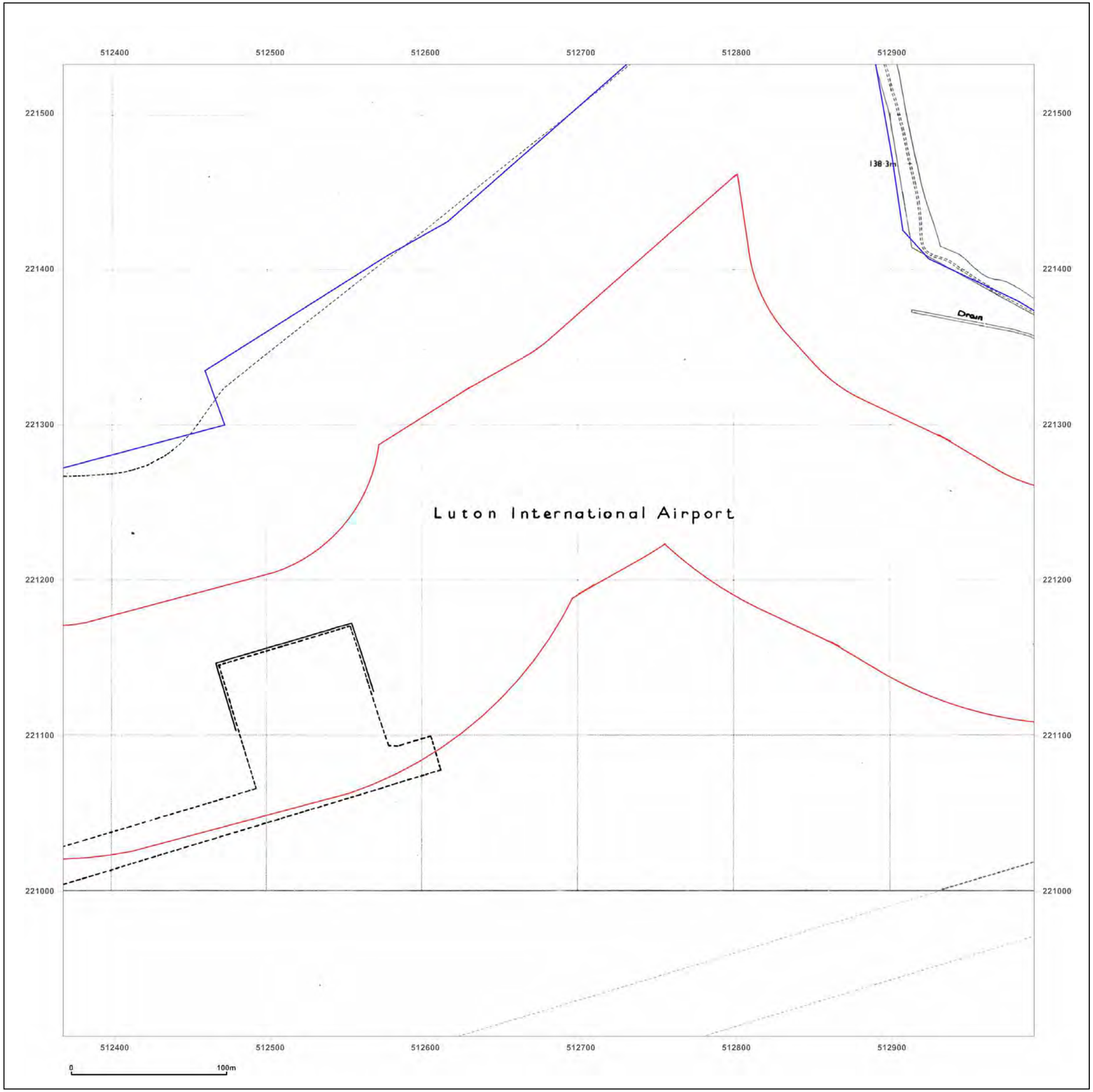

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: National Grid

Map date: **1990**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1958
Revised 1990
Edition N/A
Copyright 1990
Levelled 1958

Surveyed 1958
Revised 1990
Edition N/A
Copyright 1990
Levelled 1958

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Production date: 16 October 2018

Map legend available at:
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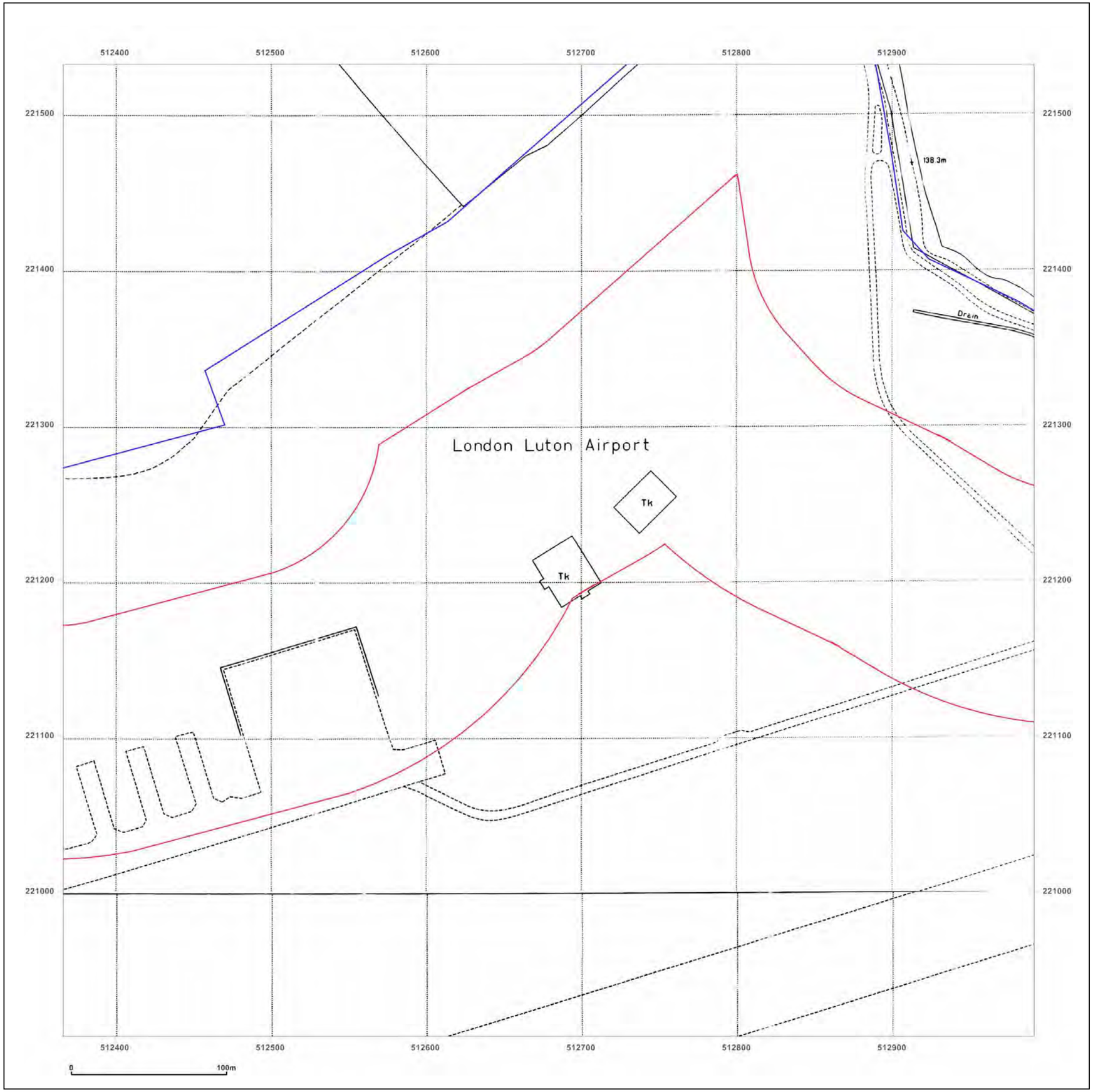

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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Production date: 16 October 2018

Map legend available at:
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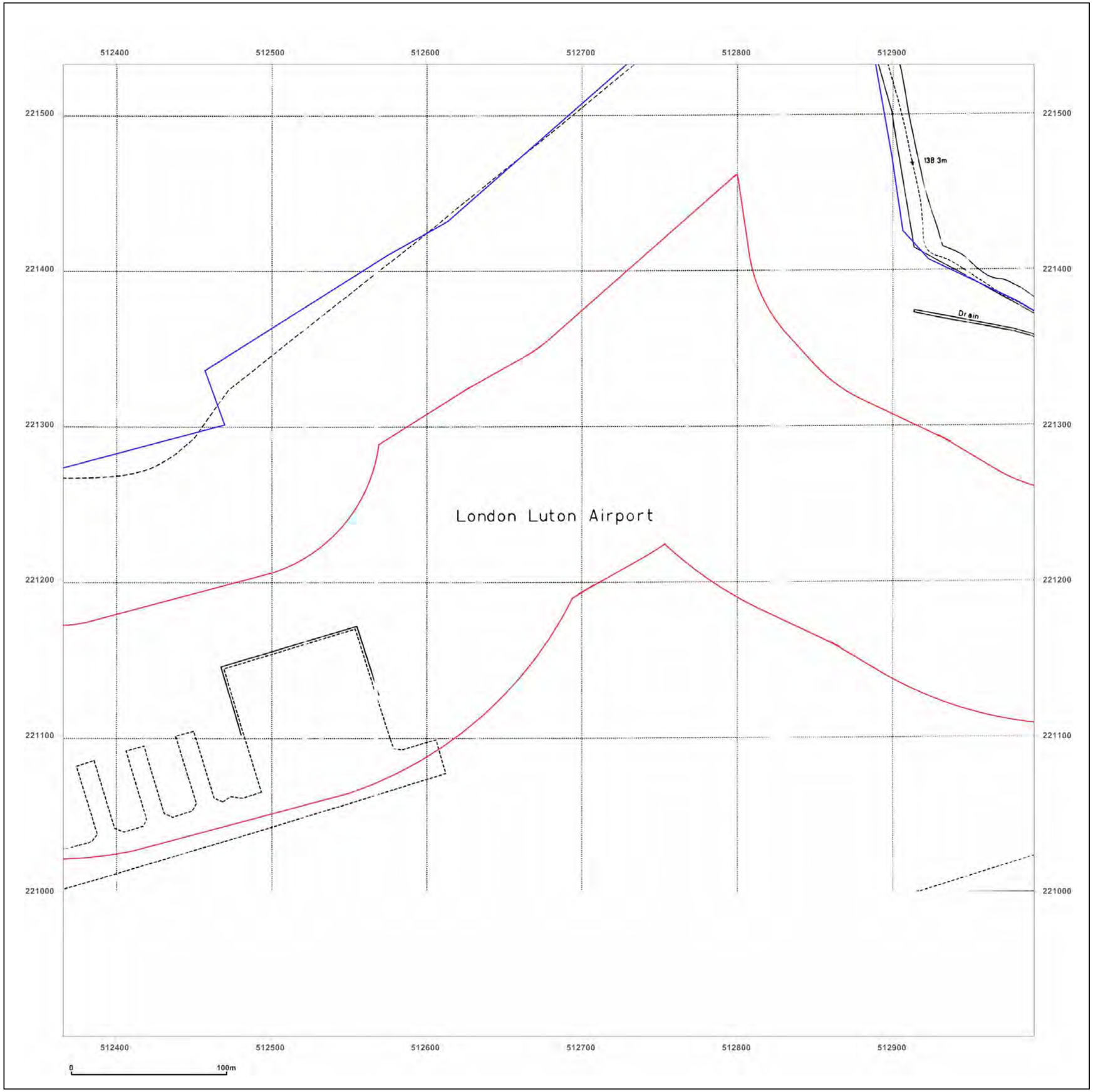

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: National Grid

Map date: **1993**

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 1993
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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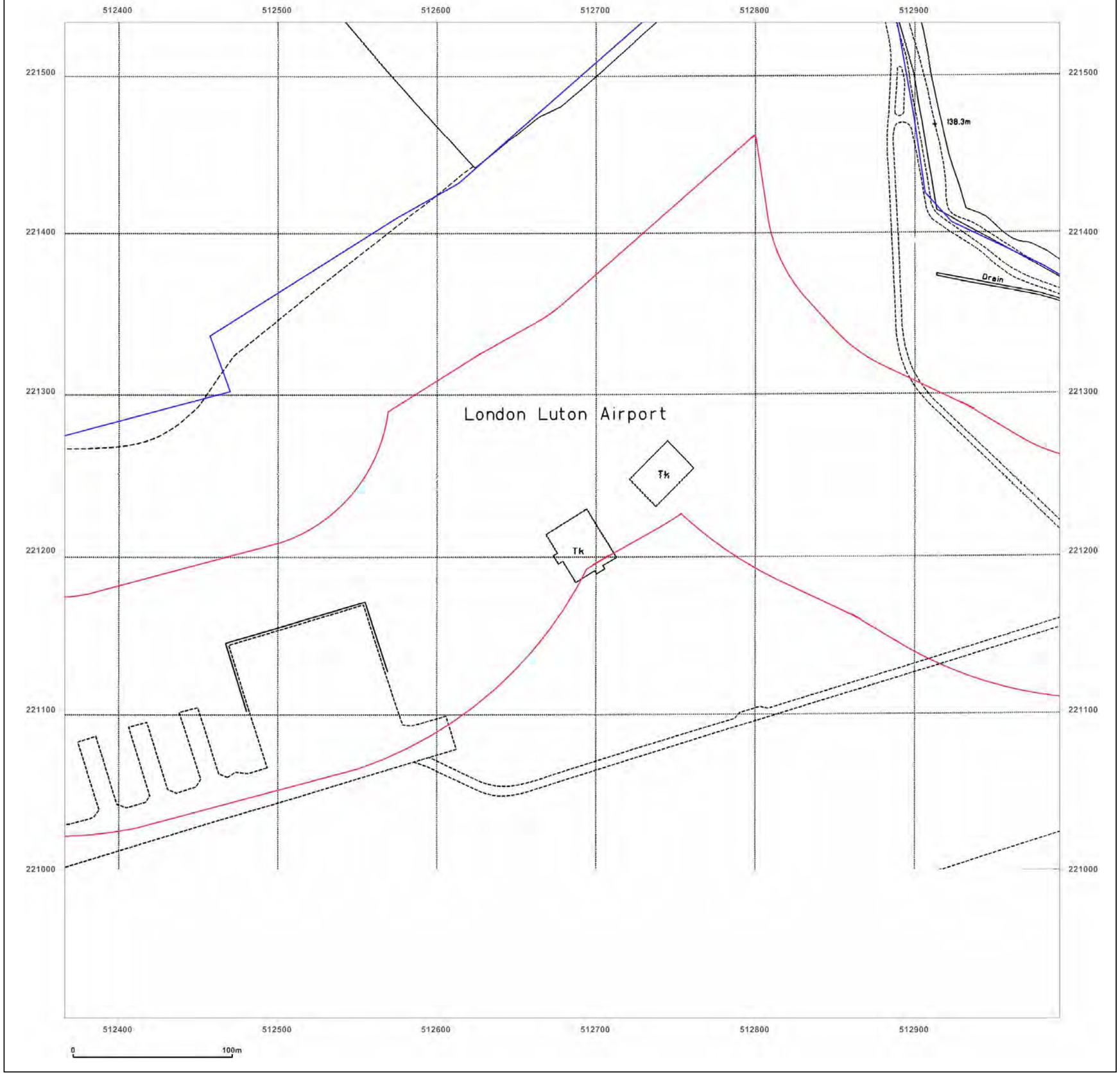

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_1
Grid Ref: 512679, 221219

Map Name: National Grid

Map date: **1993**

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 1993
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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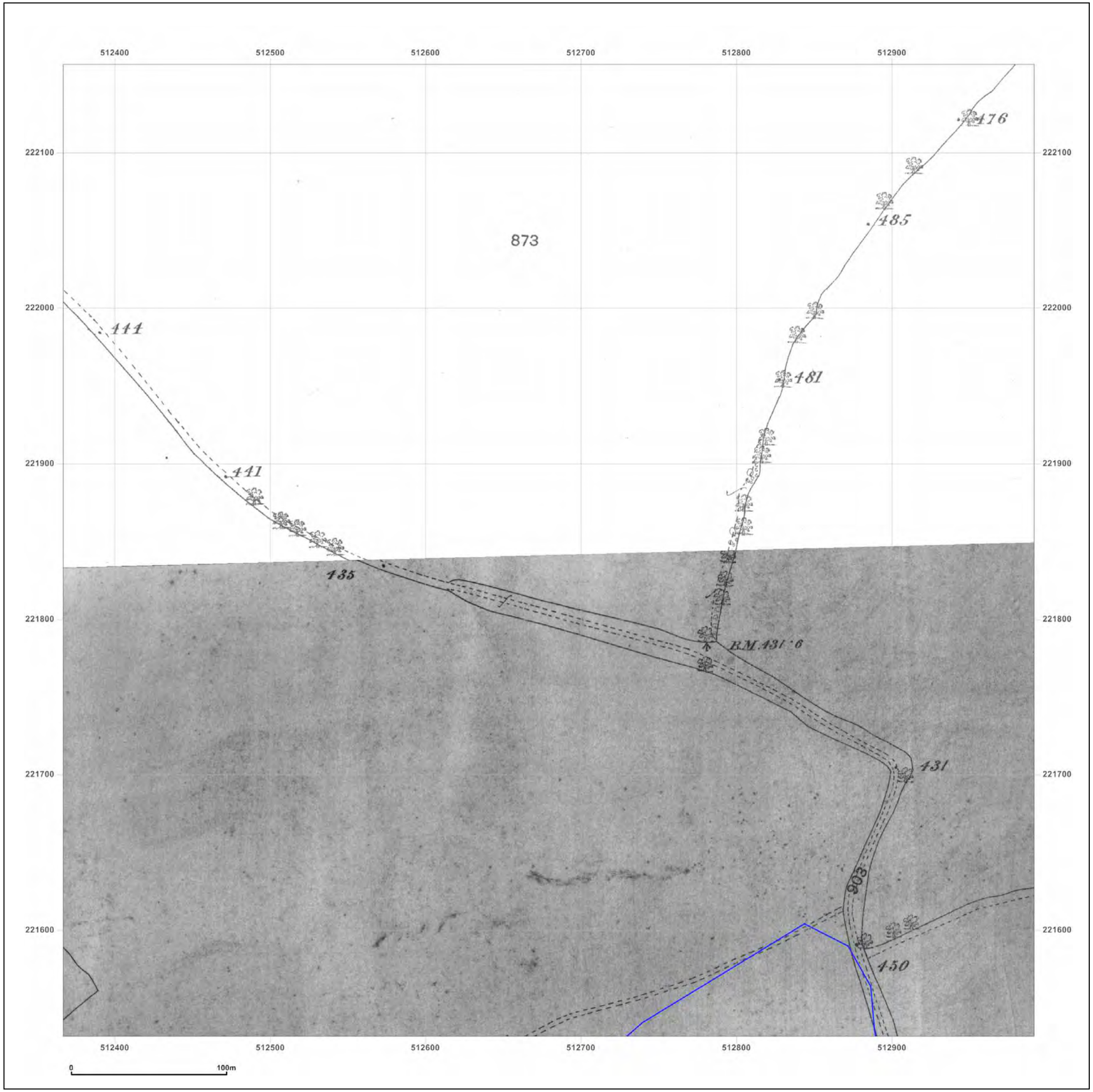

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: County Series
Map date: 1881
Scale: 1:2,500
Printed at: 1:2,500

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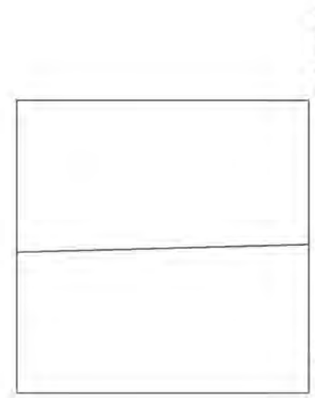

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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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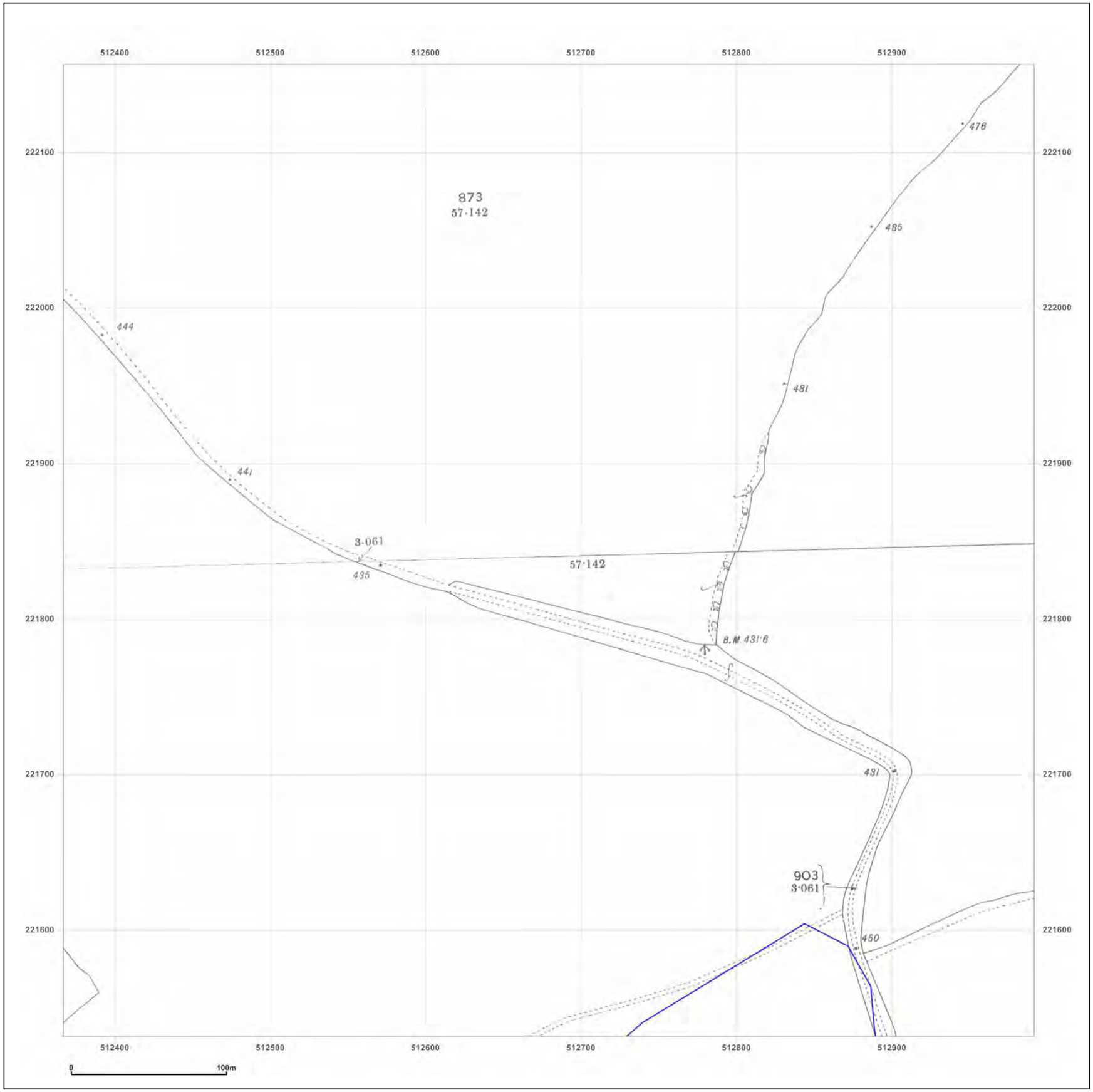

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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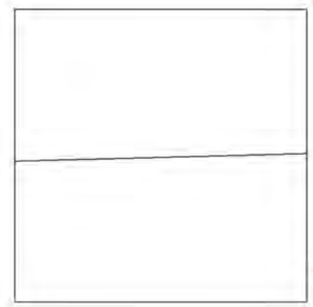

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Produced by
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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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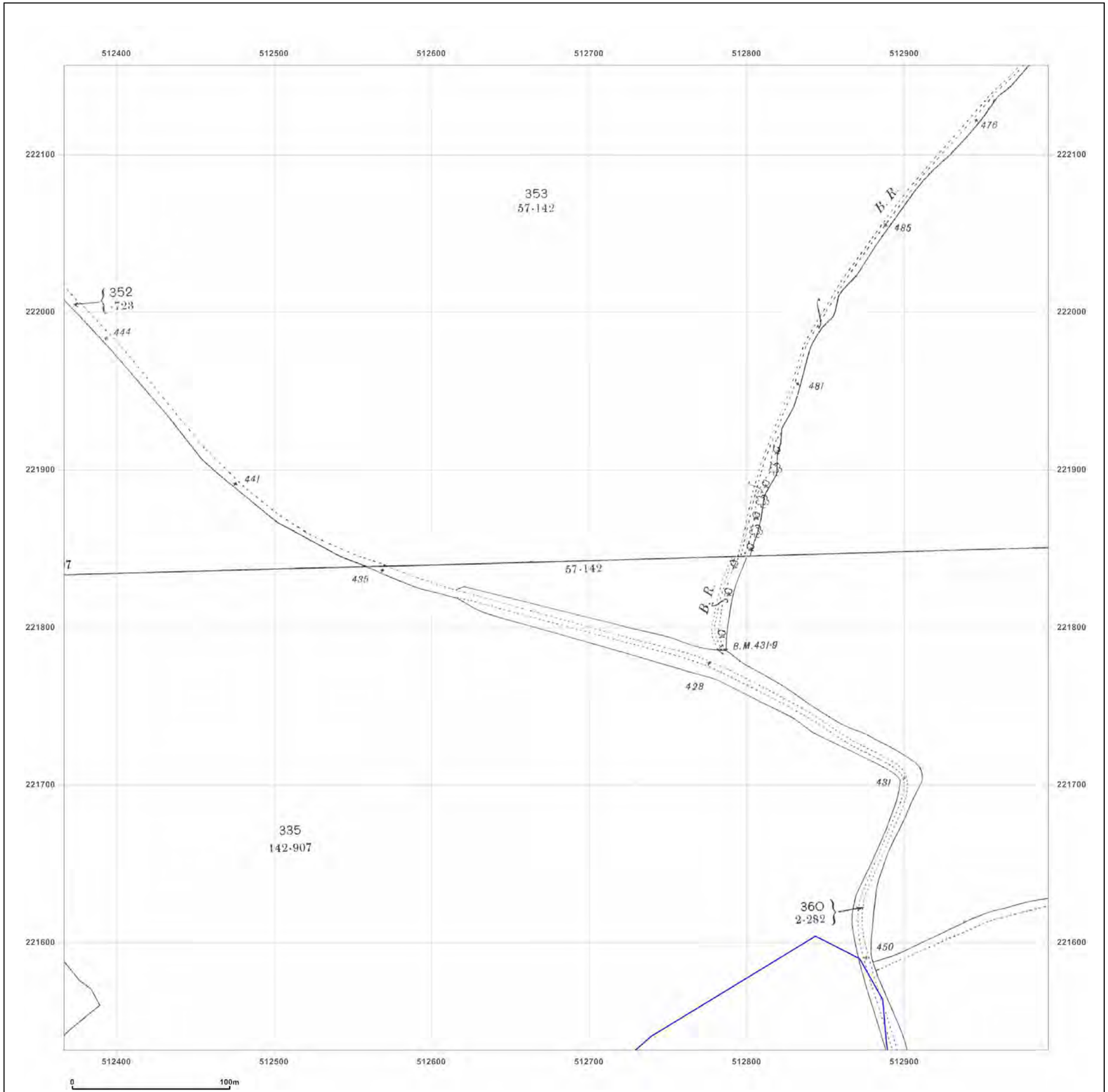

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

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W E
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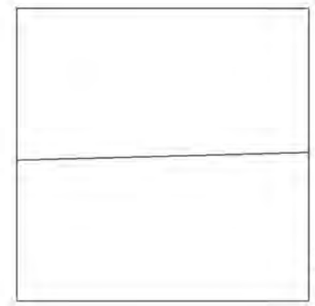

Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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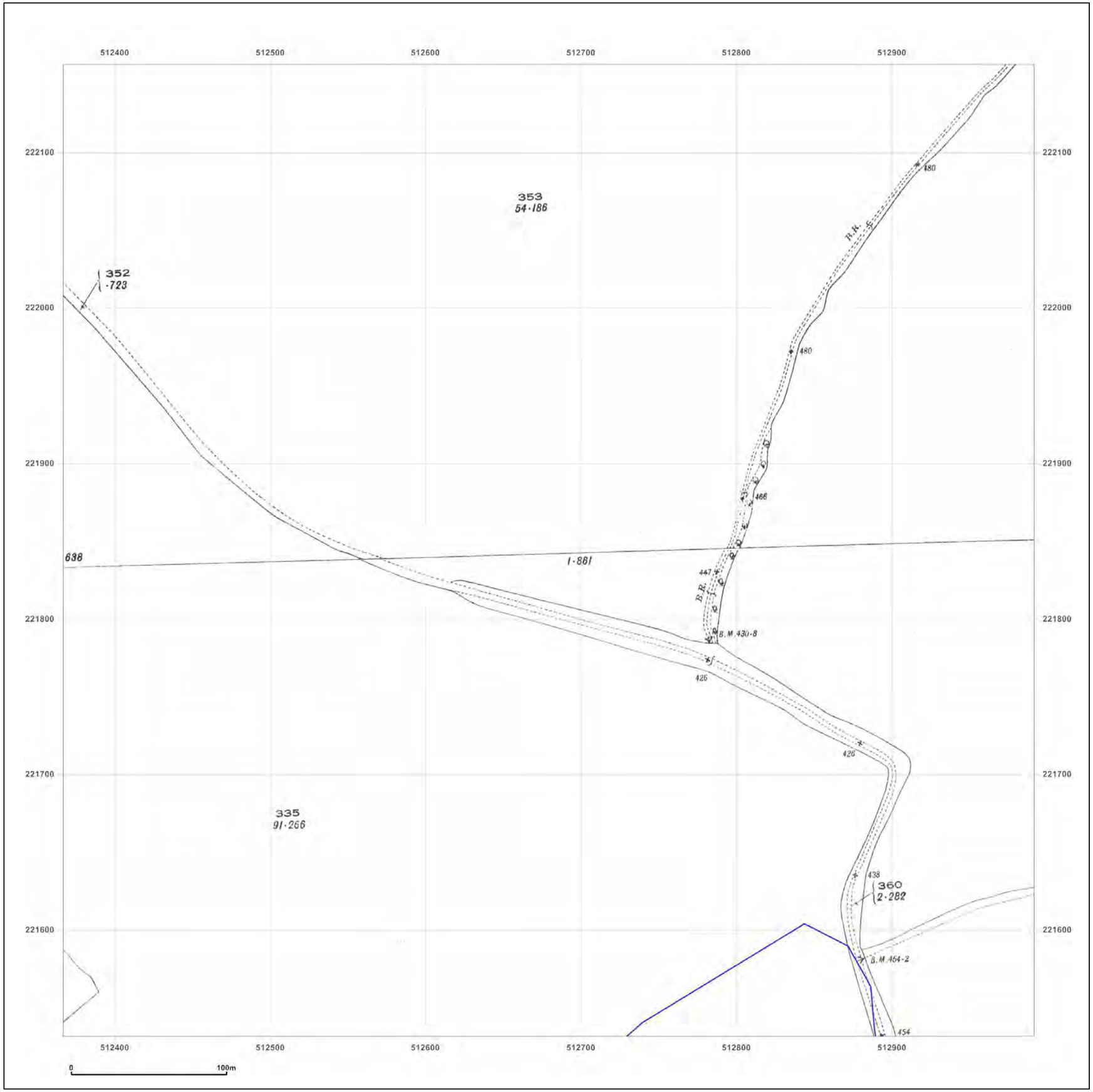

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
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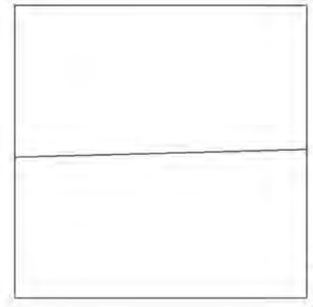

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Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 16 October 2018

Map legend available at:
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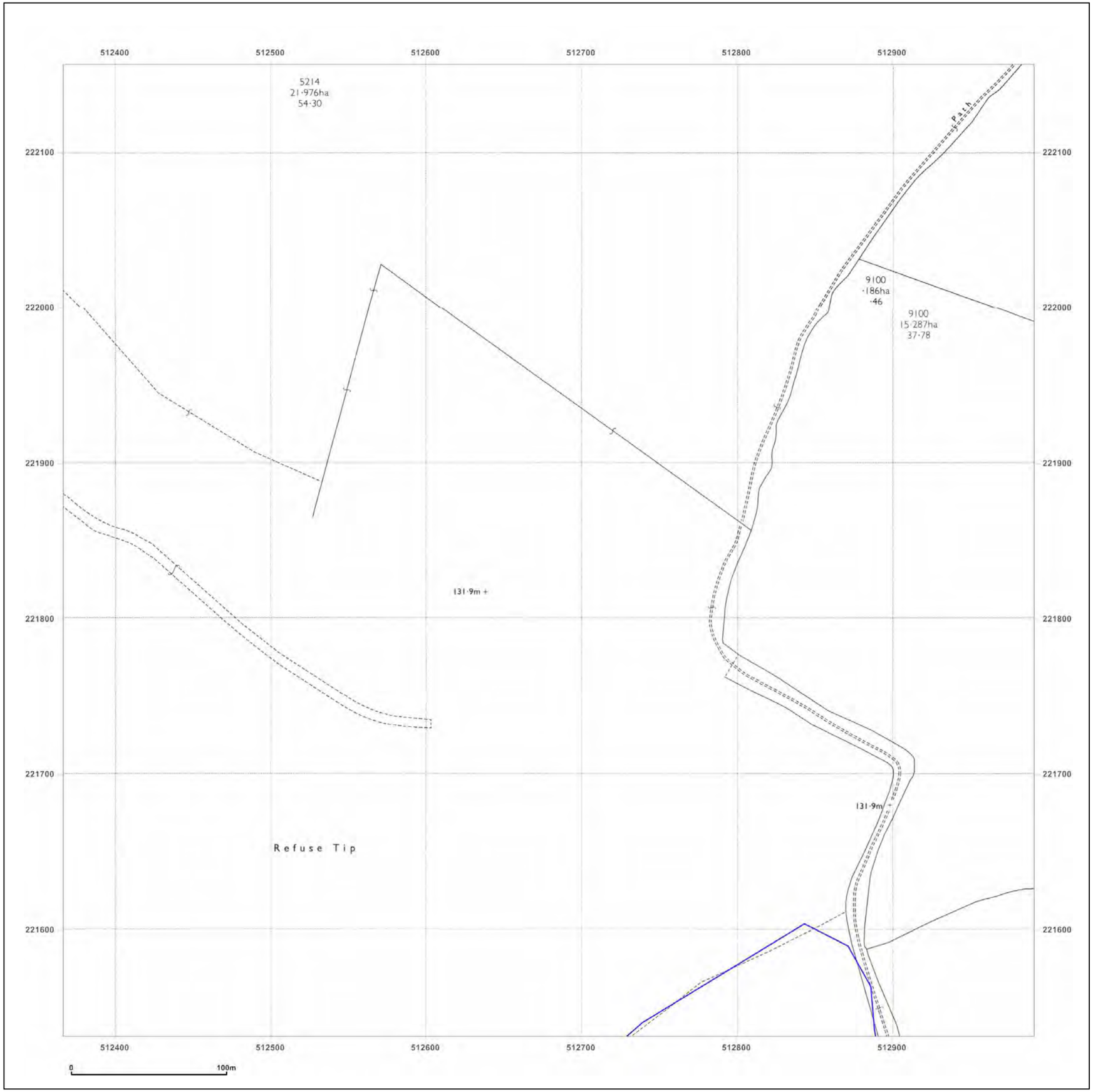

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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Production date: 16 October 2018

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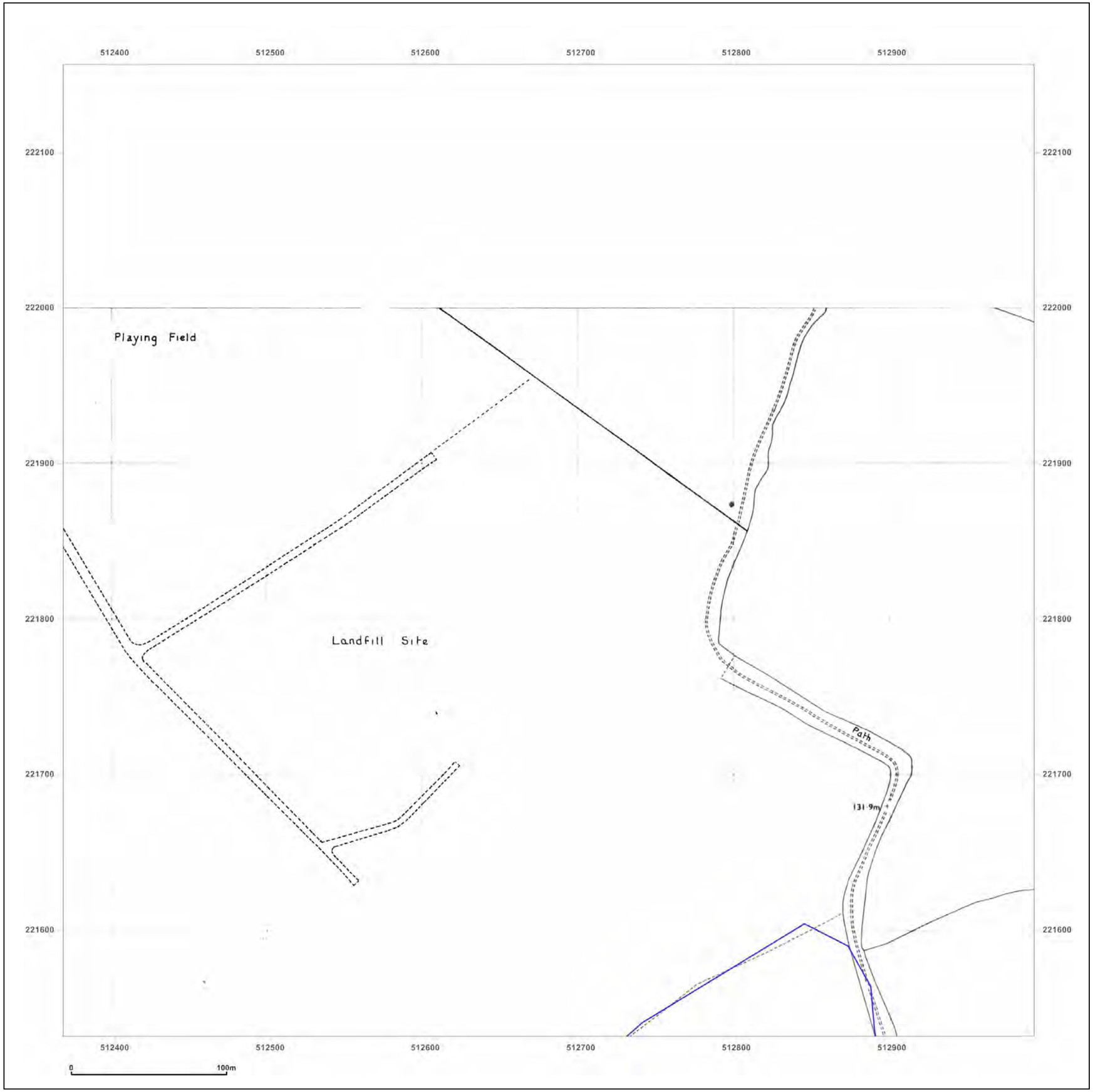

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: National Grid

Map date: **1990**

Scale: 1:2,500

Printed at: 1:2,500

N
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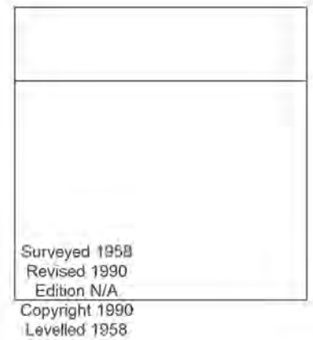
S



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Production date: 16 October 2018

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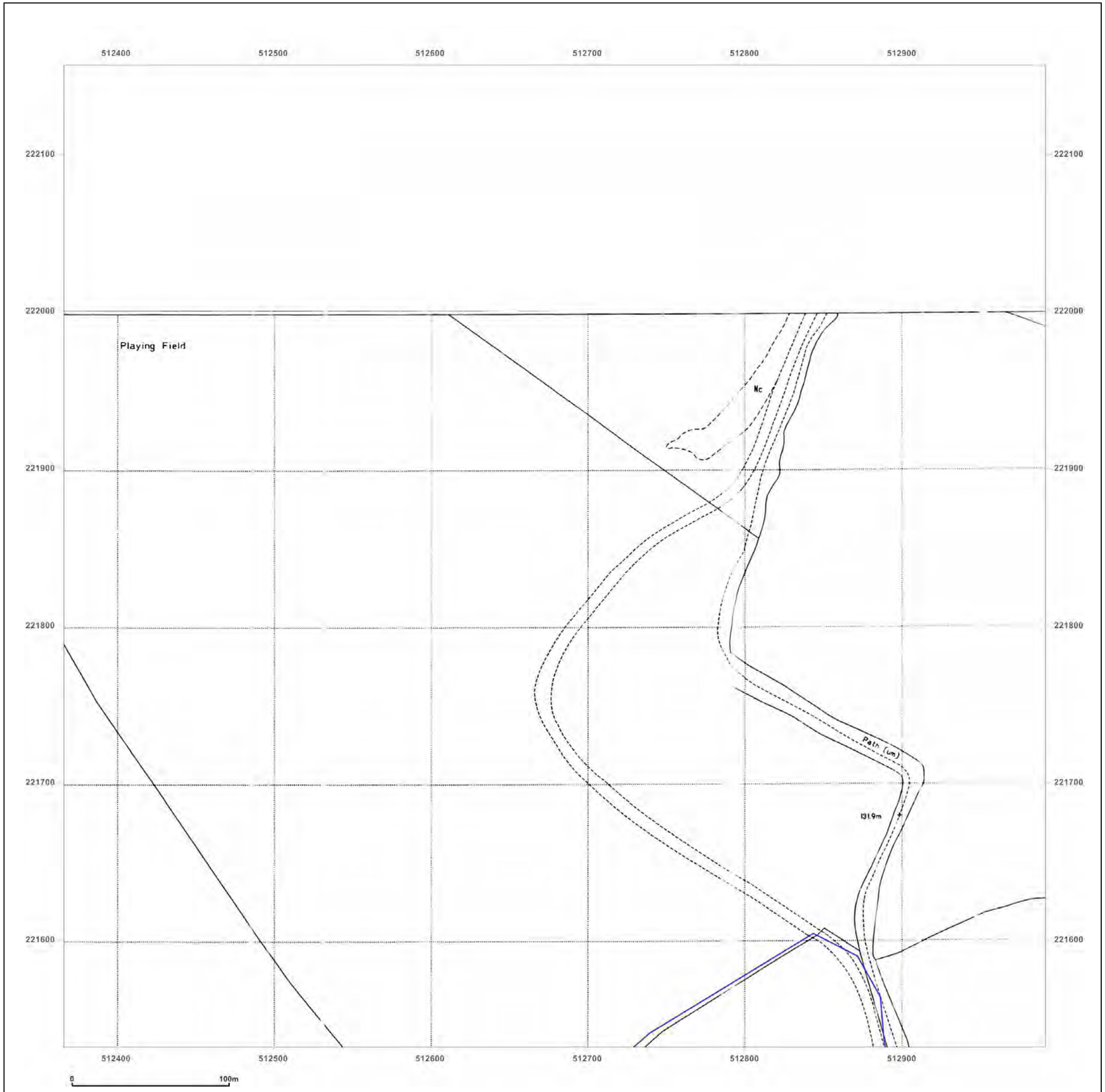

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 16 October 2018

Map legend available at:
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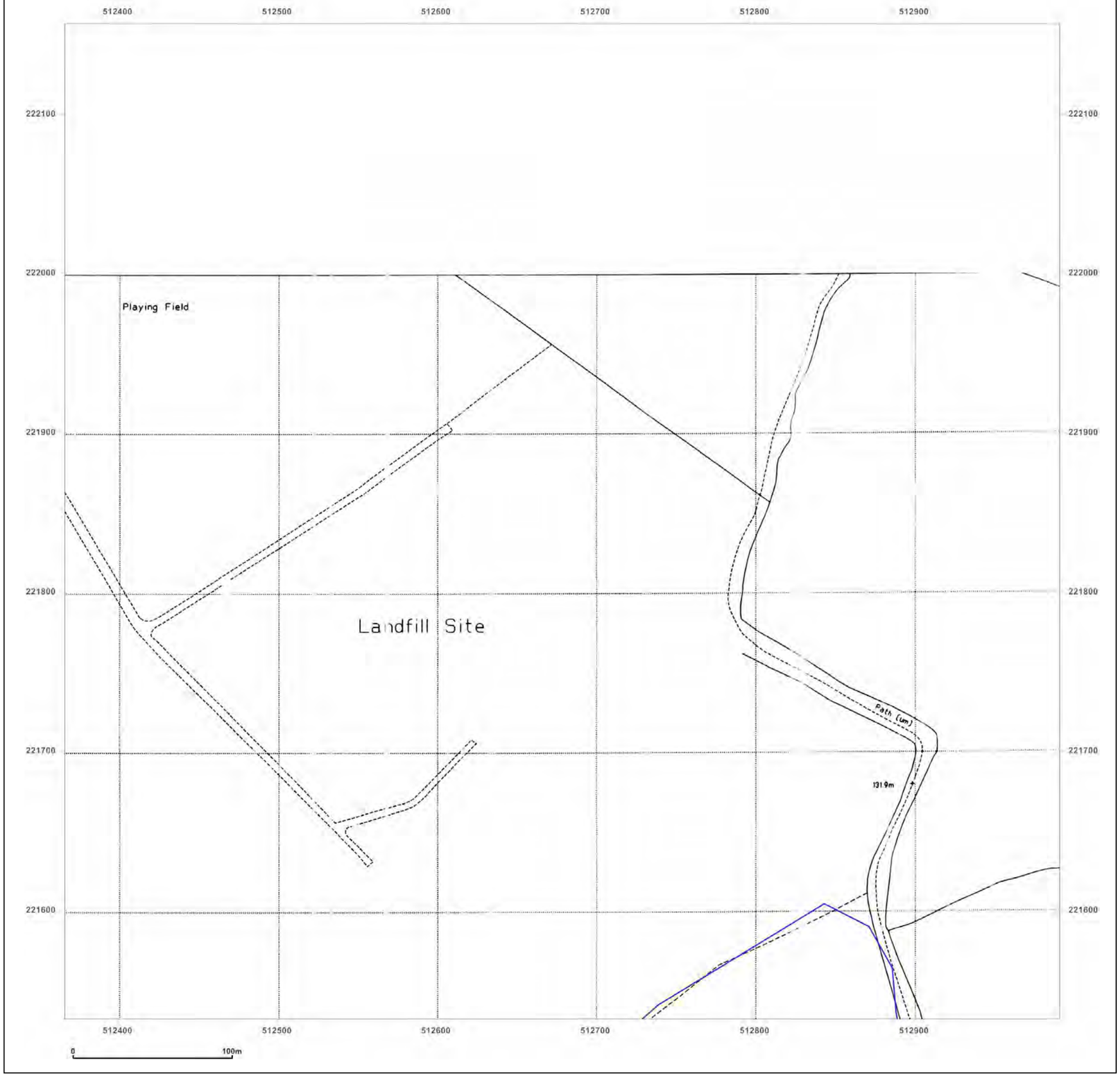

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 16 October 2018

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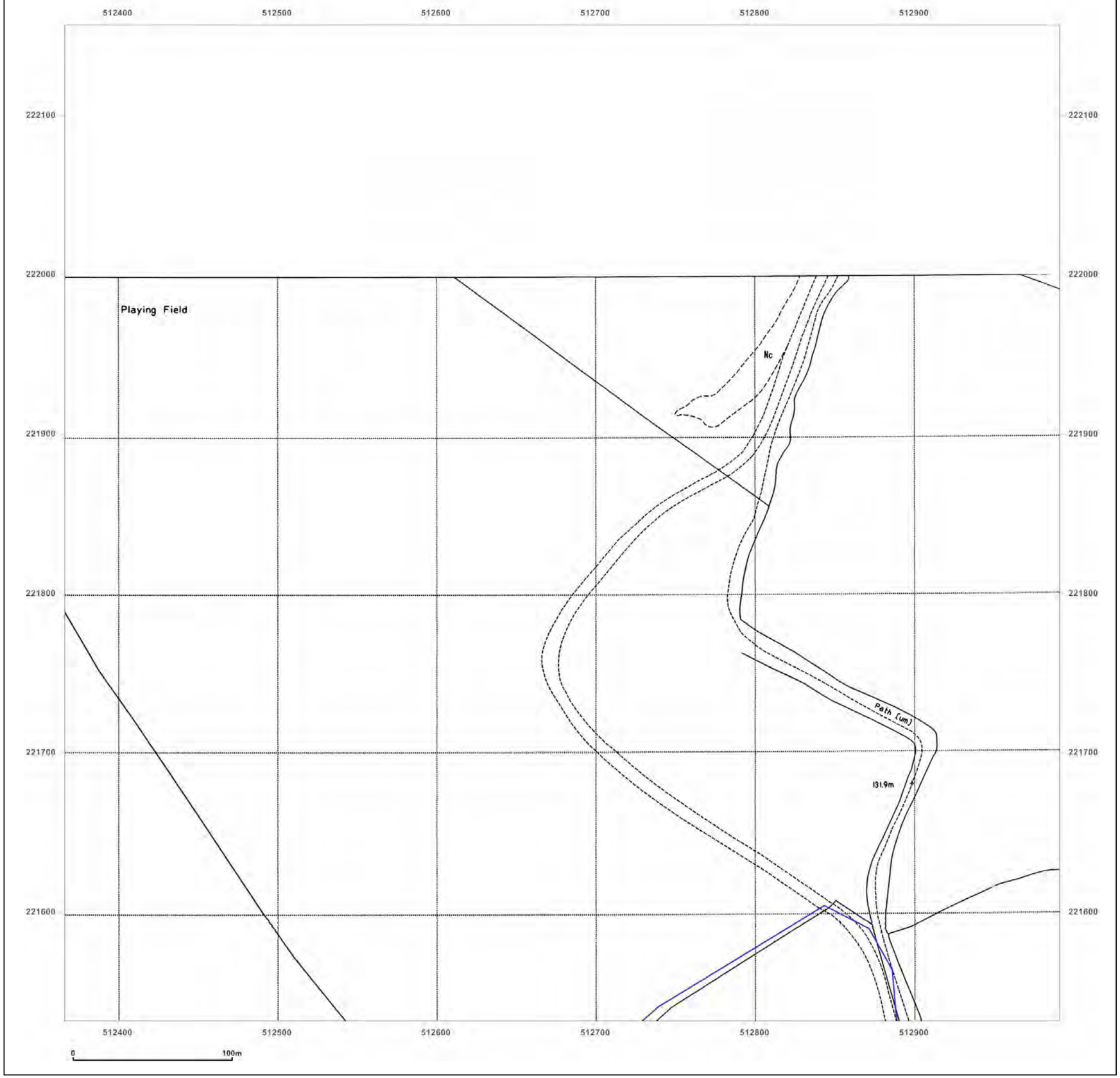

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_2
Grid Ref: 512679, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 16 October 2018

Map legend available at:
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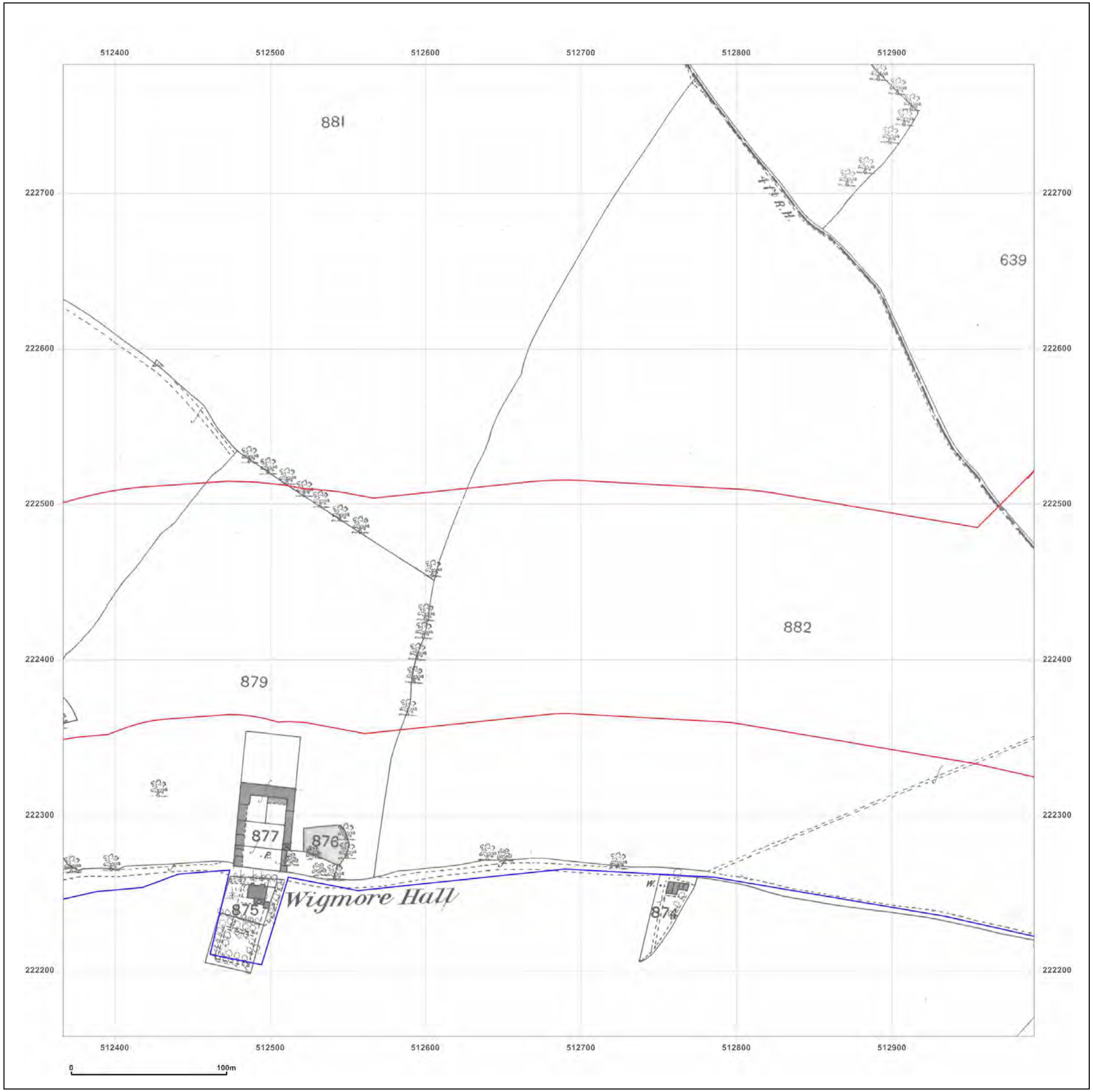

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_3
Grid Ref: 512679, 222470

Map Name: County Series

Map date: **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

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Production date: 16 October 2018

Map legend available at:
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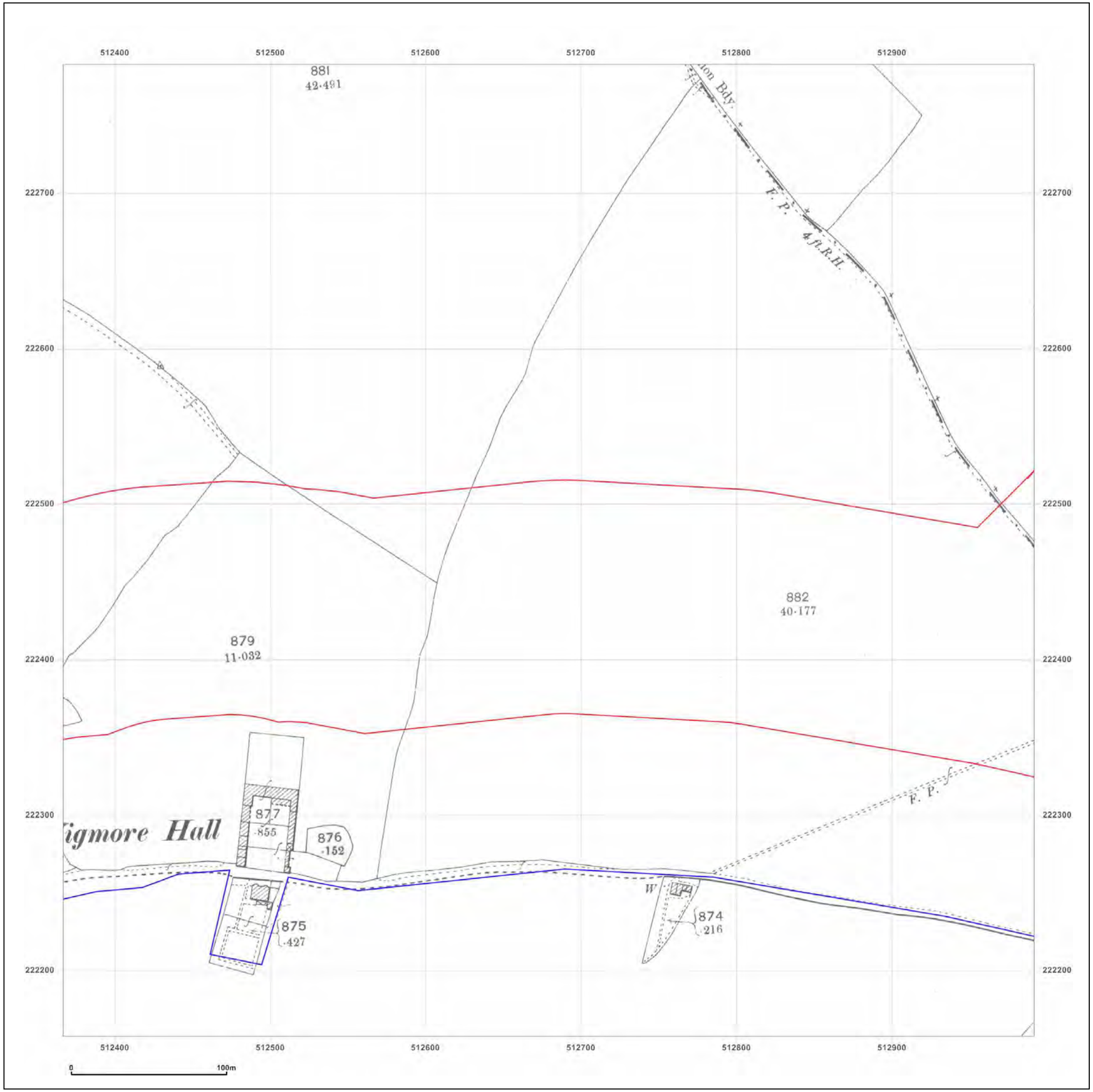

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_3
Grid Ref: 512679, 222470

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 16 October 2018

Map legend available at:
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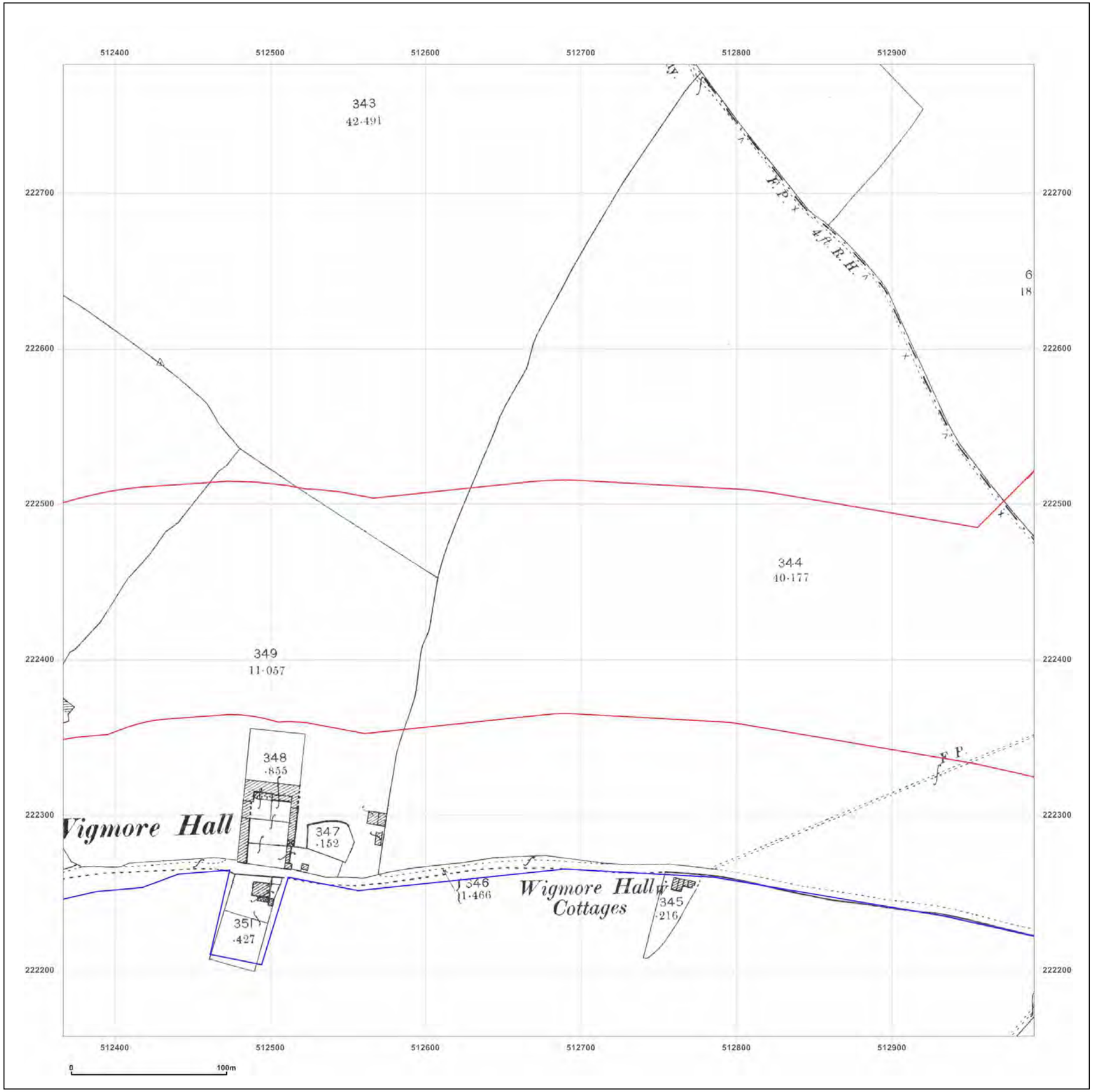

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_3
Grid Ref: 512679, 222470

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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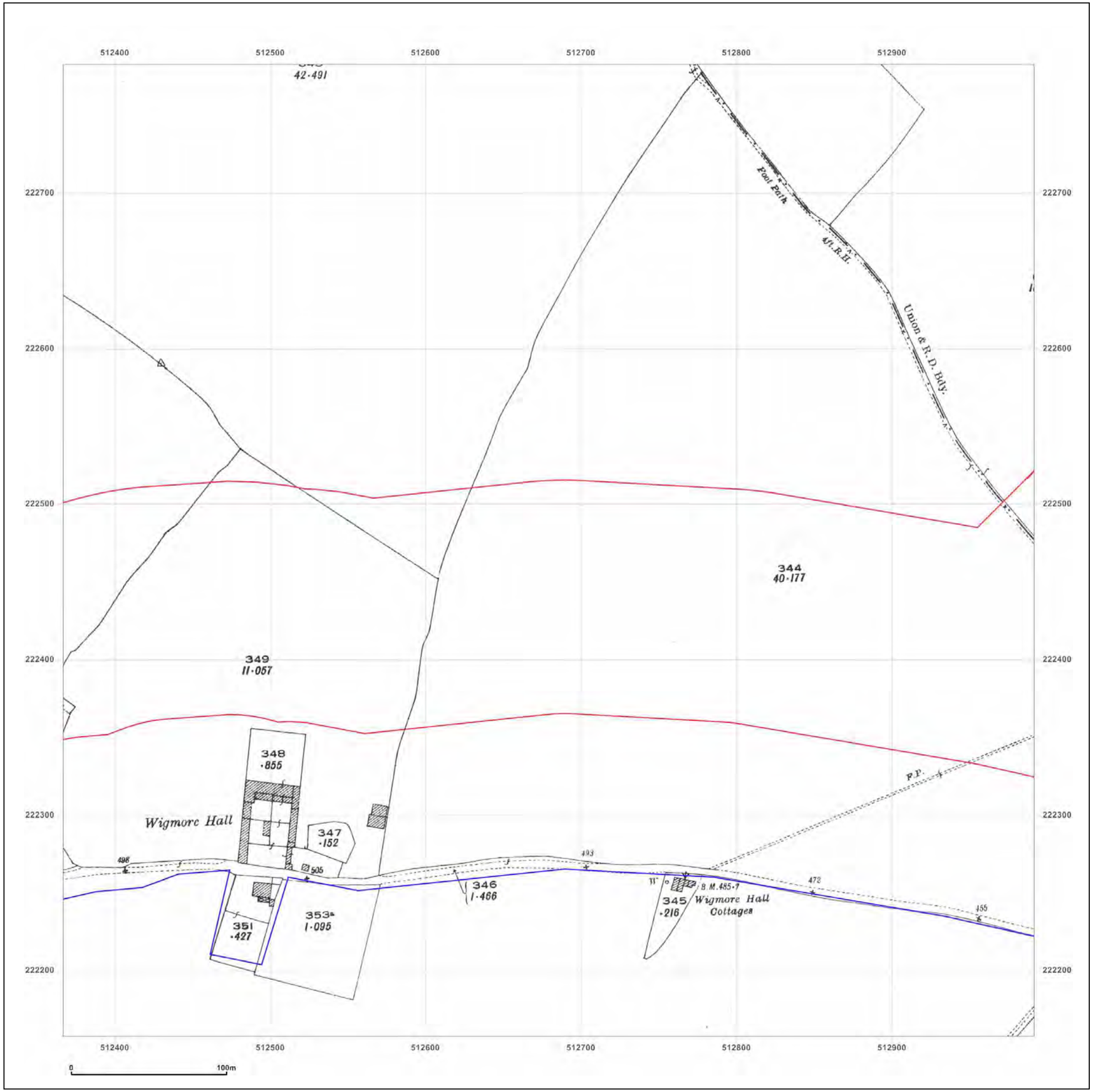

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_3
Grid Ref: 512679, 222470

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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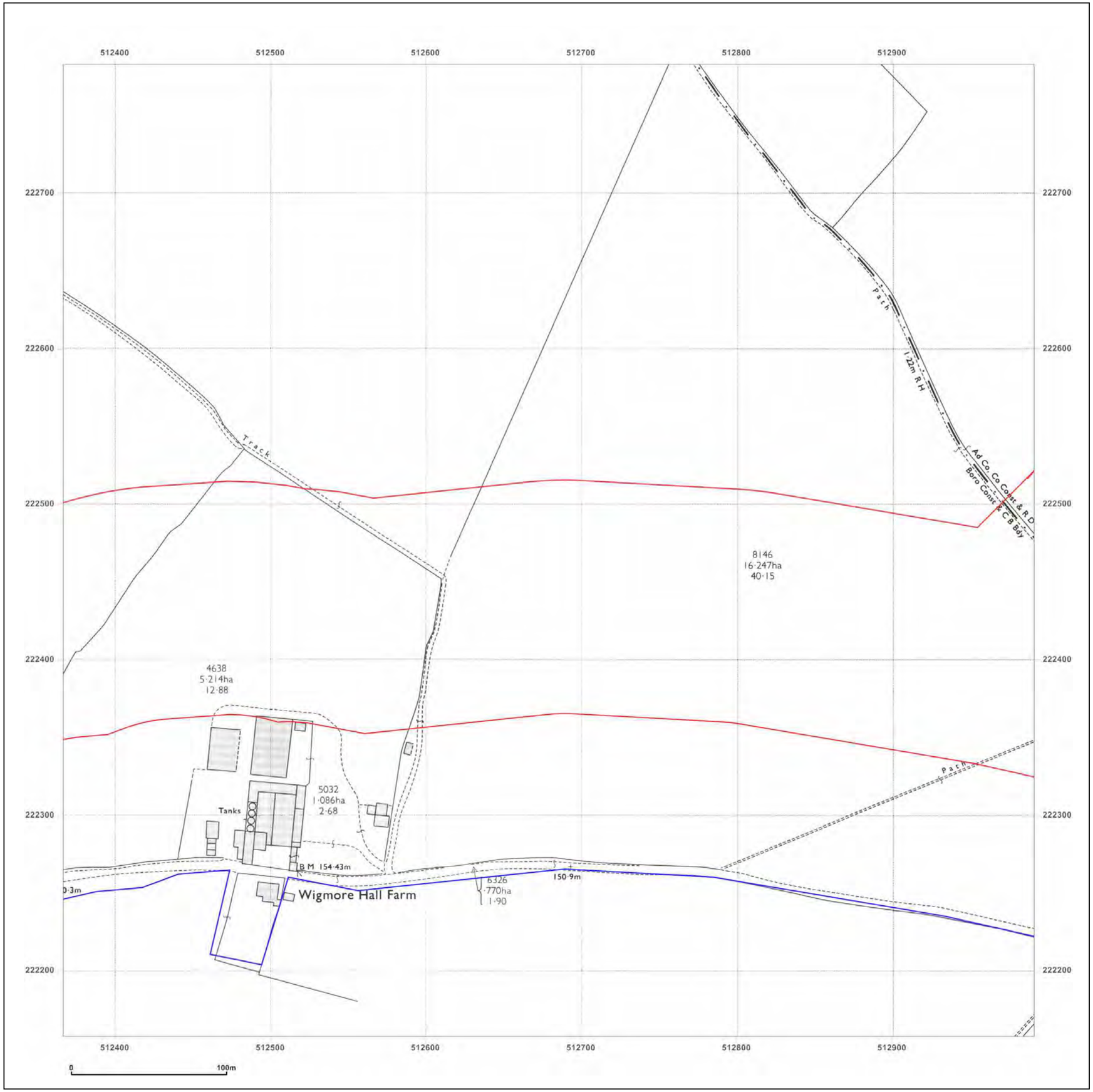

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_2_3
Grid Ref: 512679, 222470

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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Production date: 16 October 2018

Map legend available at:
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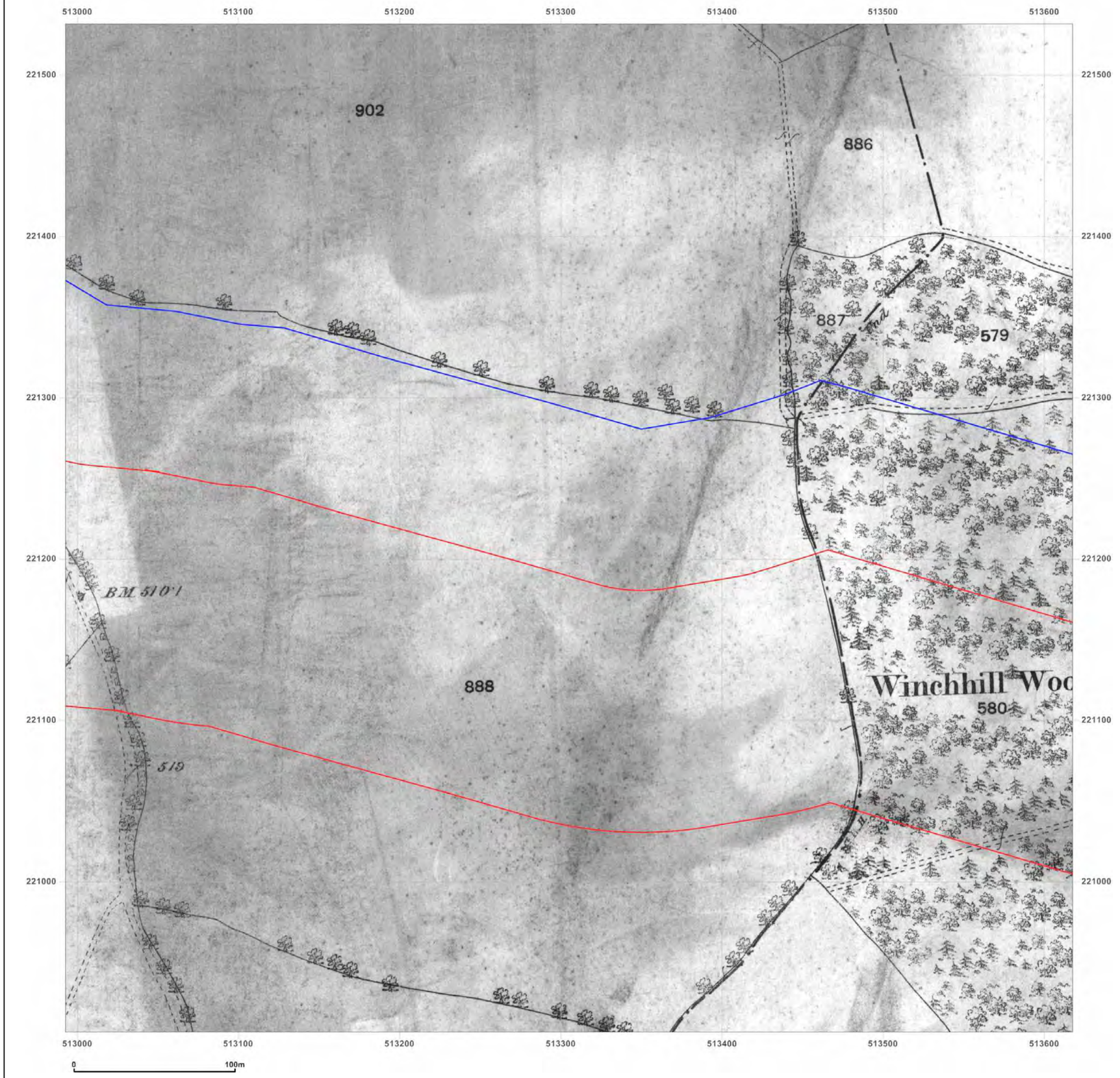

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: County Series

Map date: **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

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Production date: 16 October 2018

Map legend available at:
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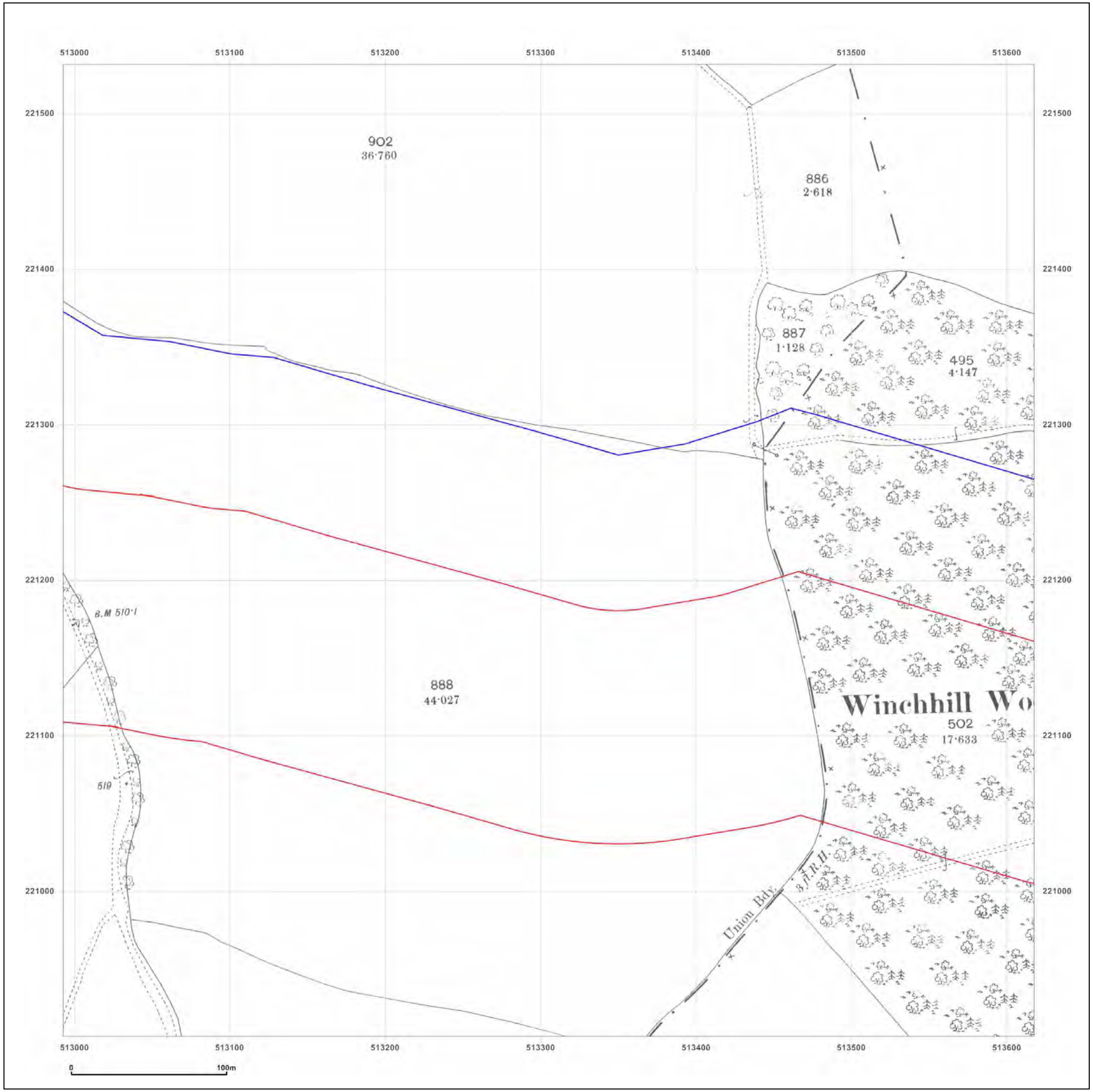

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 16 October 2018

Map legend available at:
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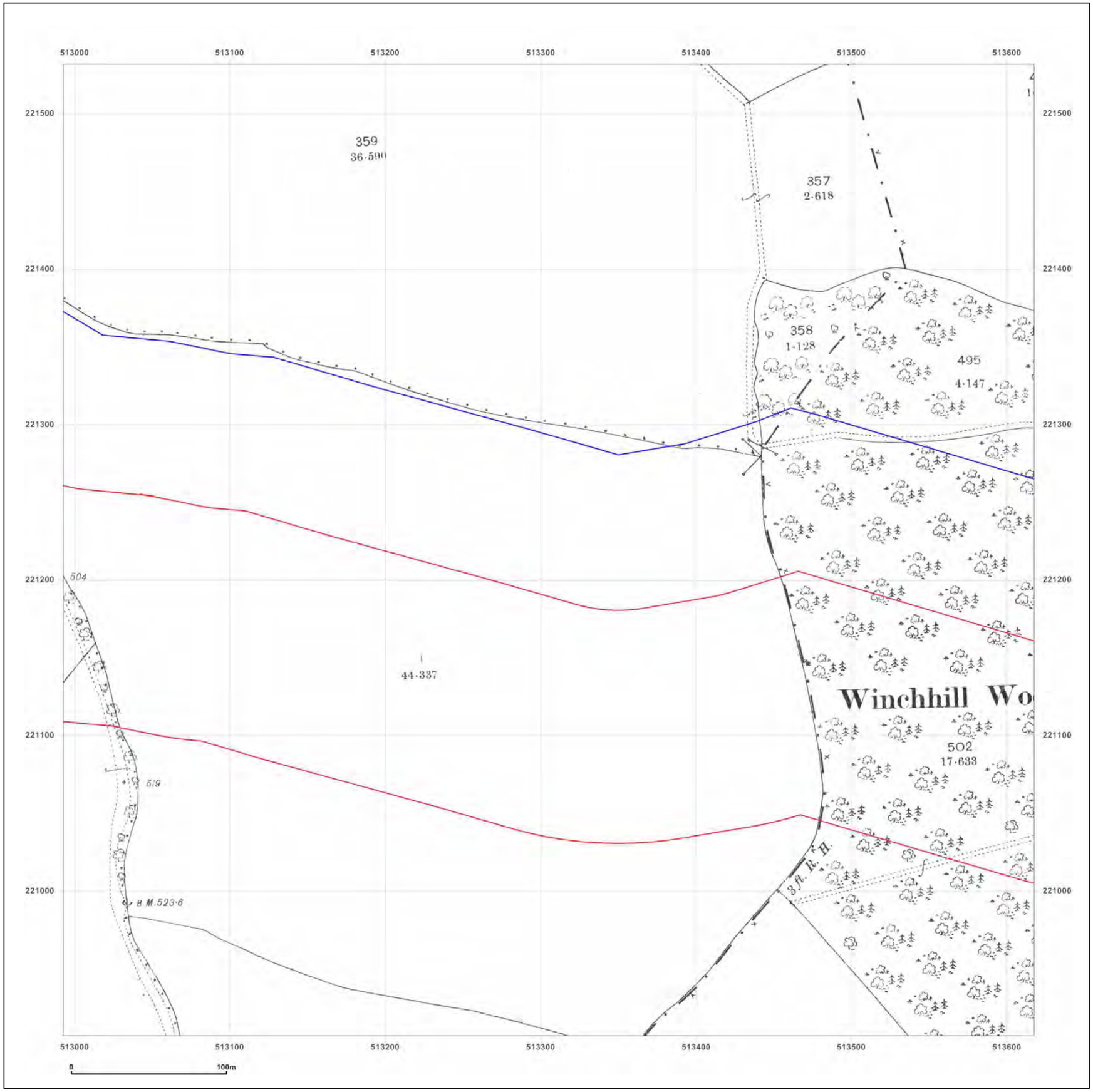

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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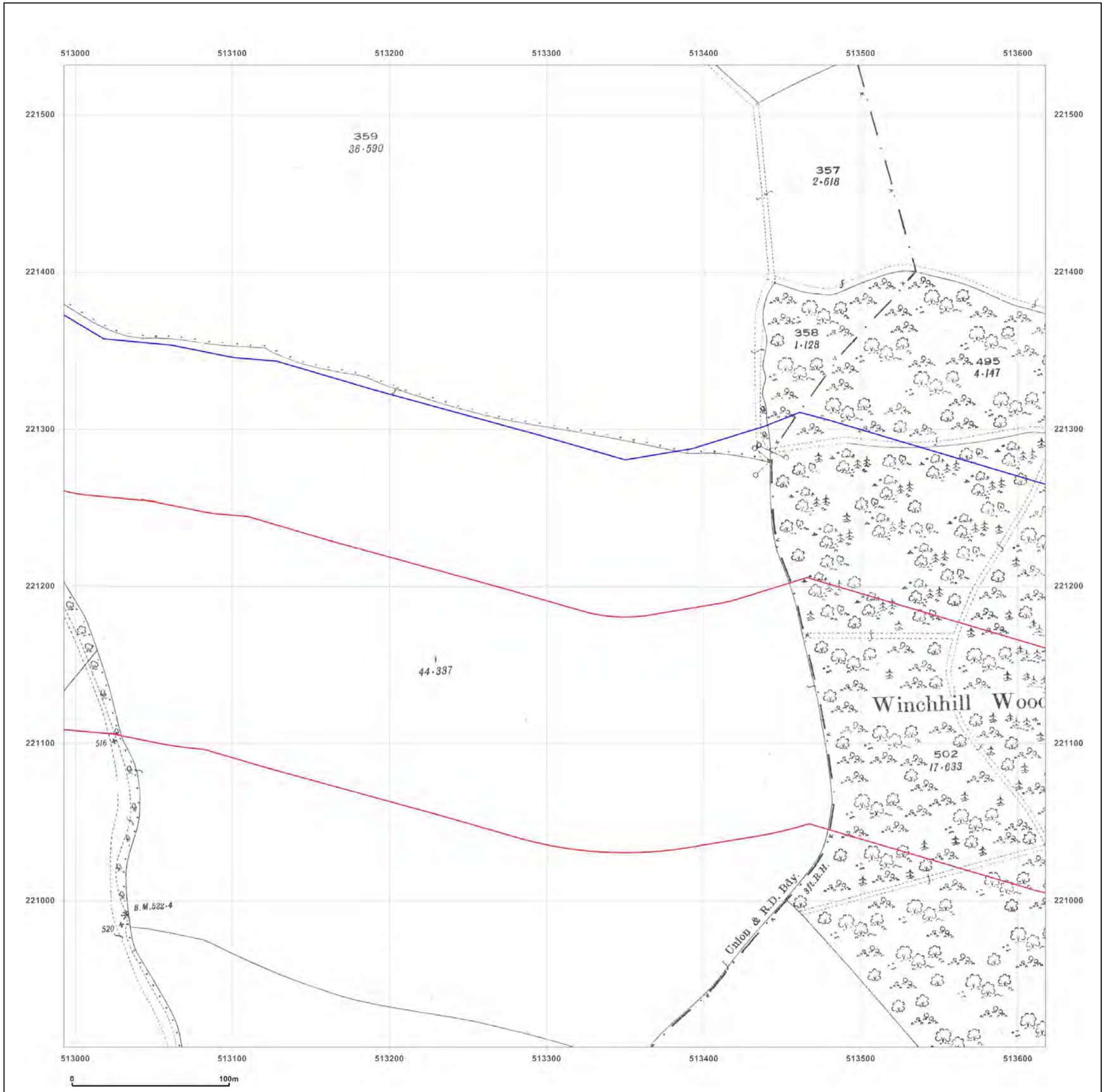

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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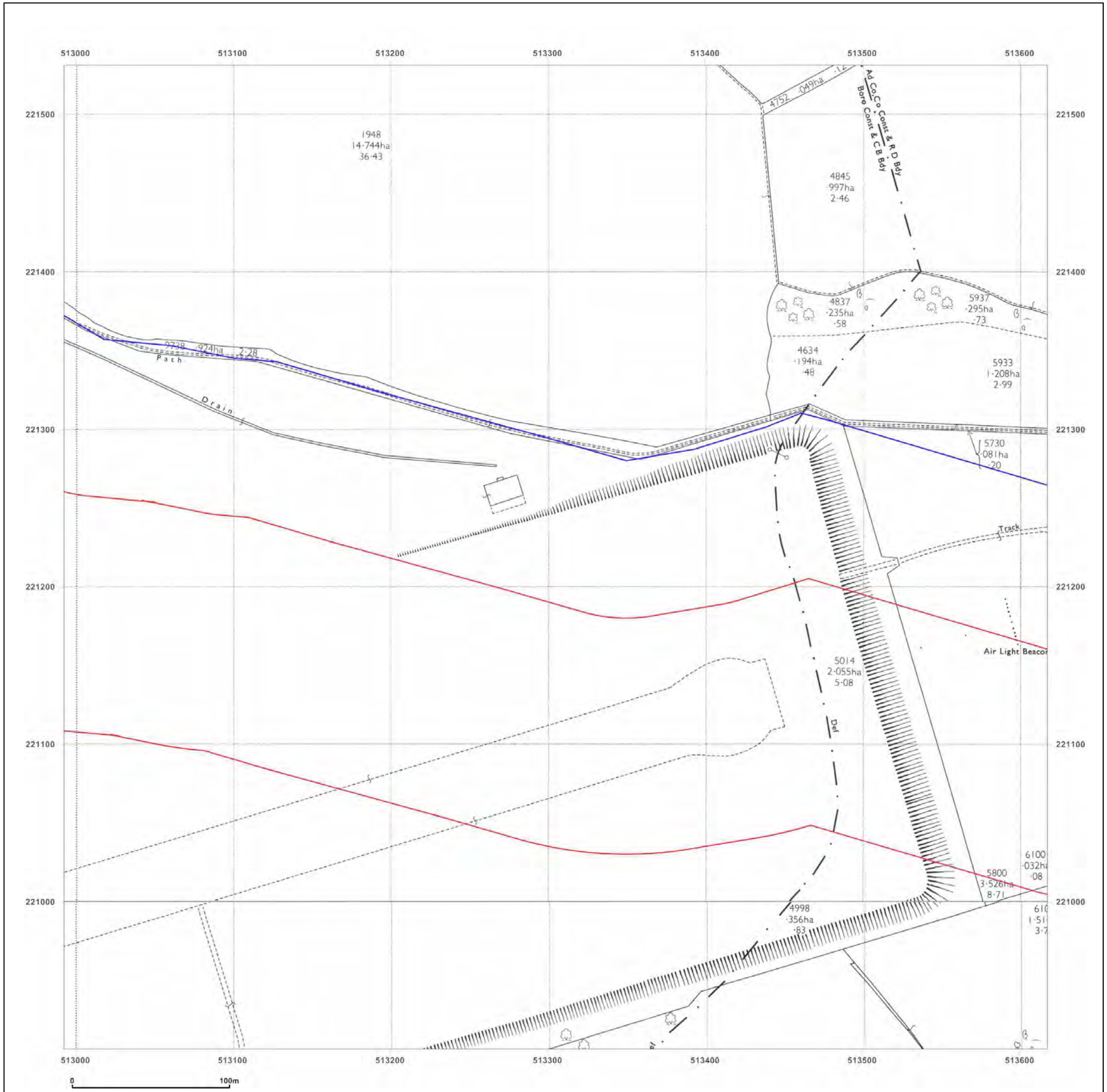

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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Production date: 16 October 2018

Map legend available at:
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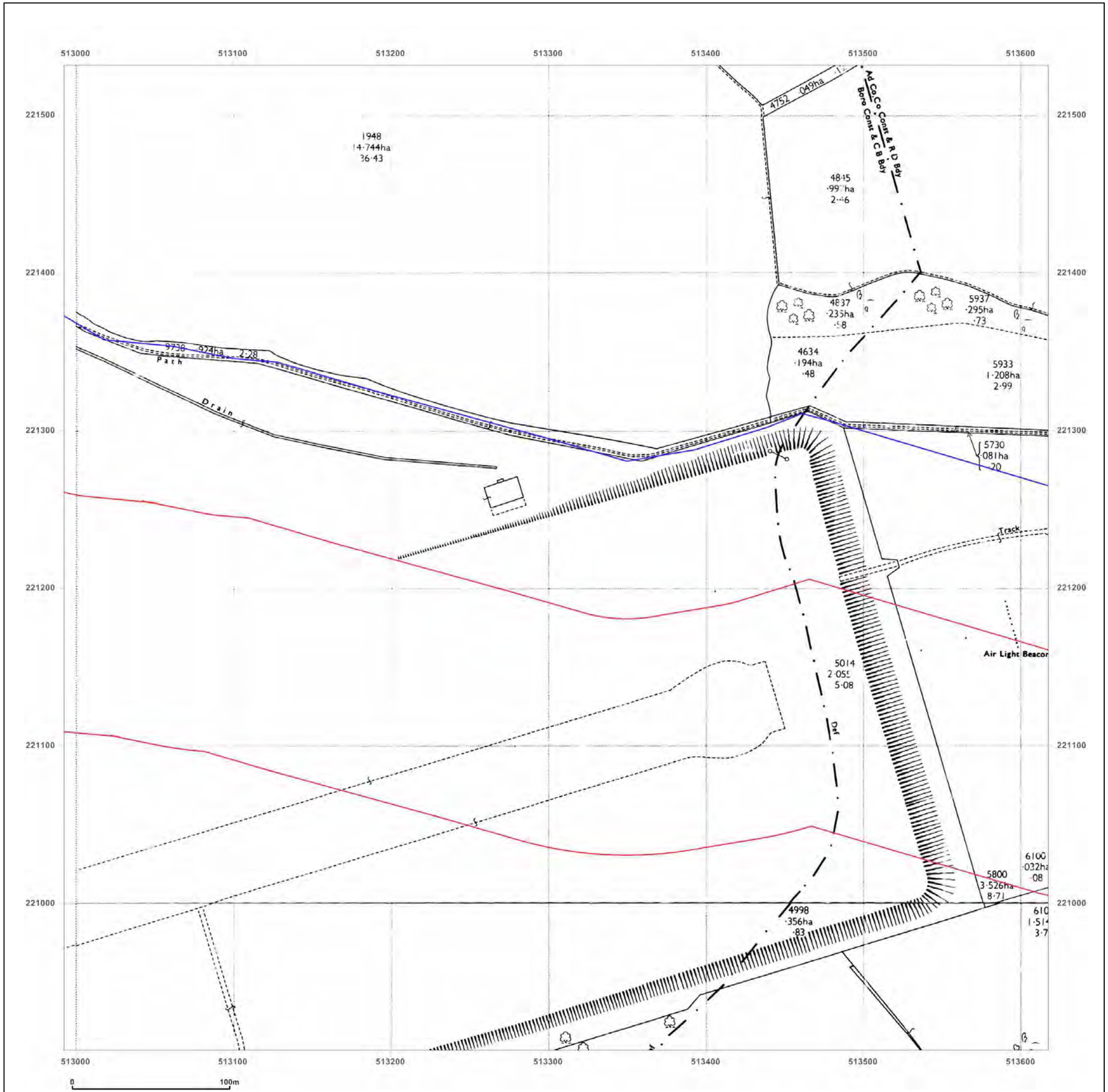

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: National Grid

Map date: **1972-1973**

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

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

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Production date: 16 October 2018

Map legend available at:
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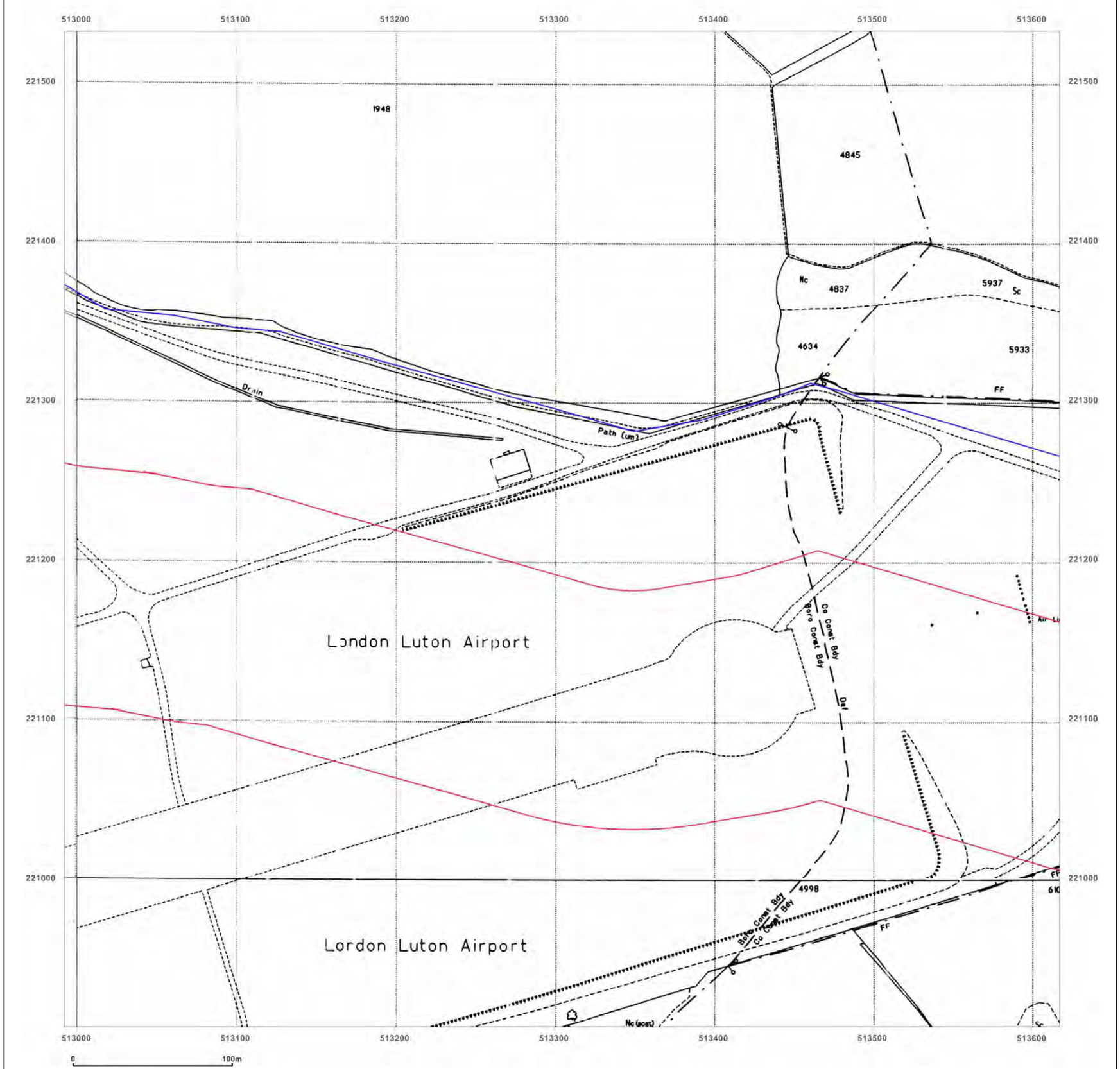

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1958 Revised 1990 Edition N/A Copyright 1990 Levelled 1958	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
Surveyed 1958 Revised 1990 Edition N/A Copyright 1990 Levelled 1958	Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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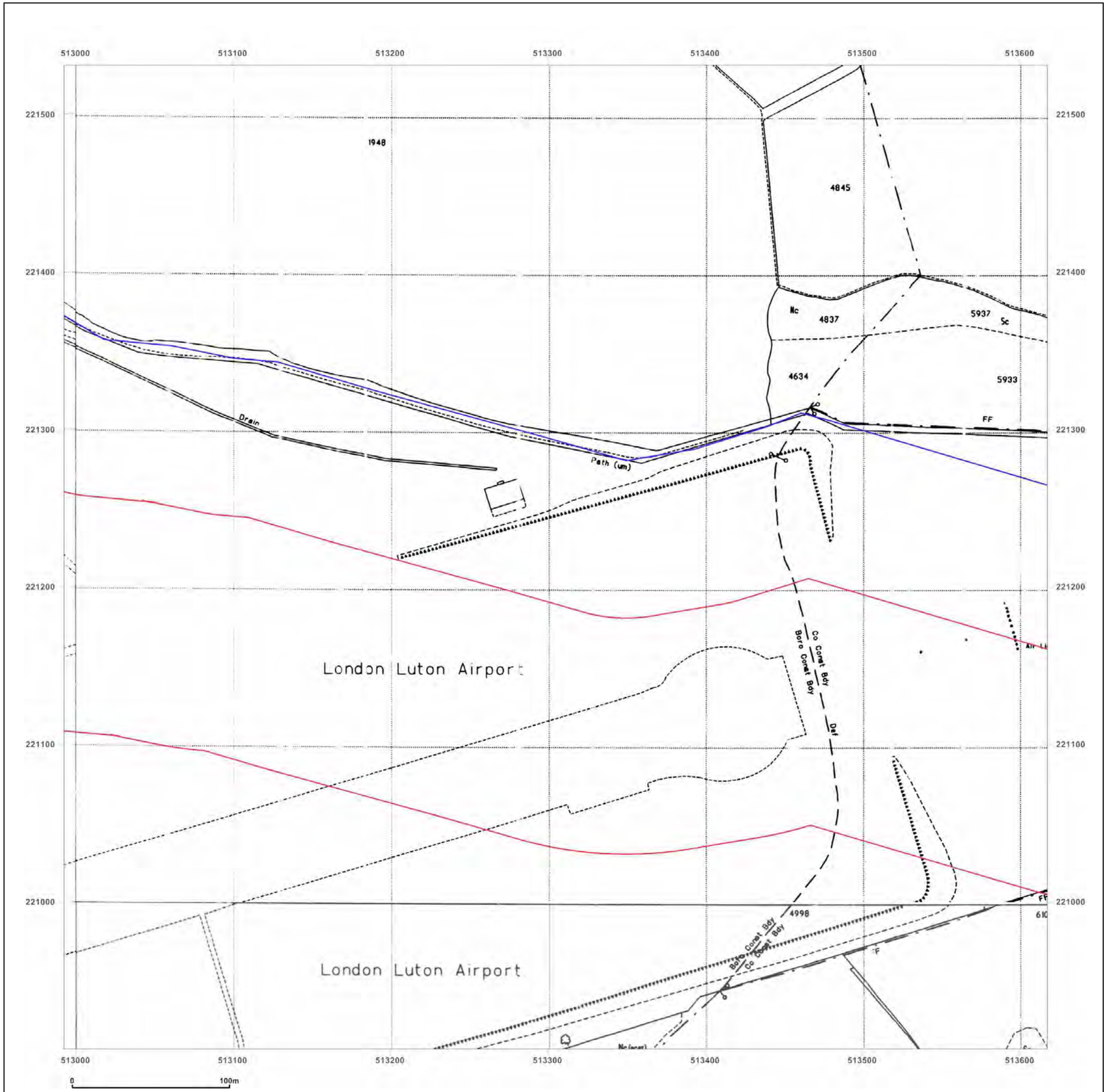

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: National Grid

Map date: **1993**

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 1993
Levelled N/A

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

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

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

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Production date: 16 October 2018

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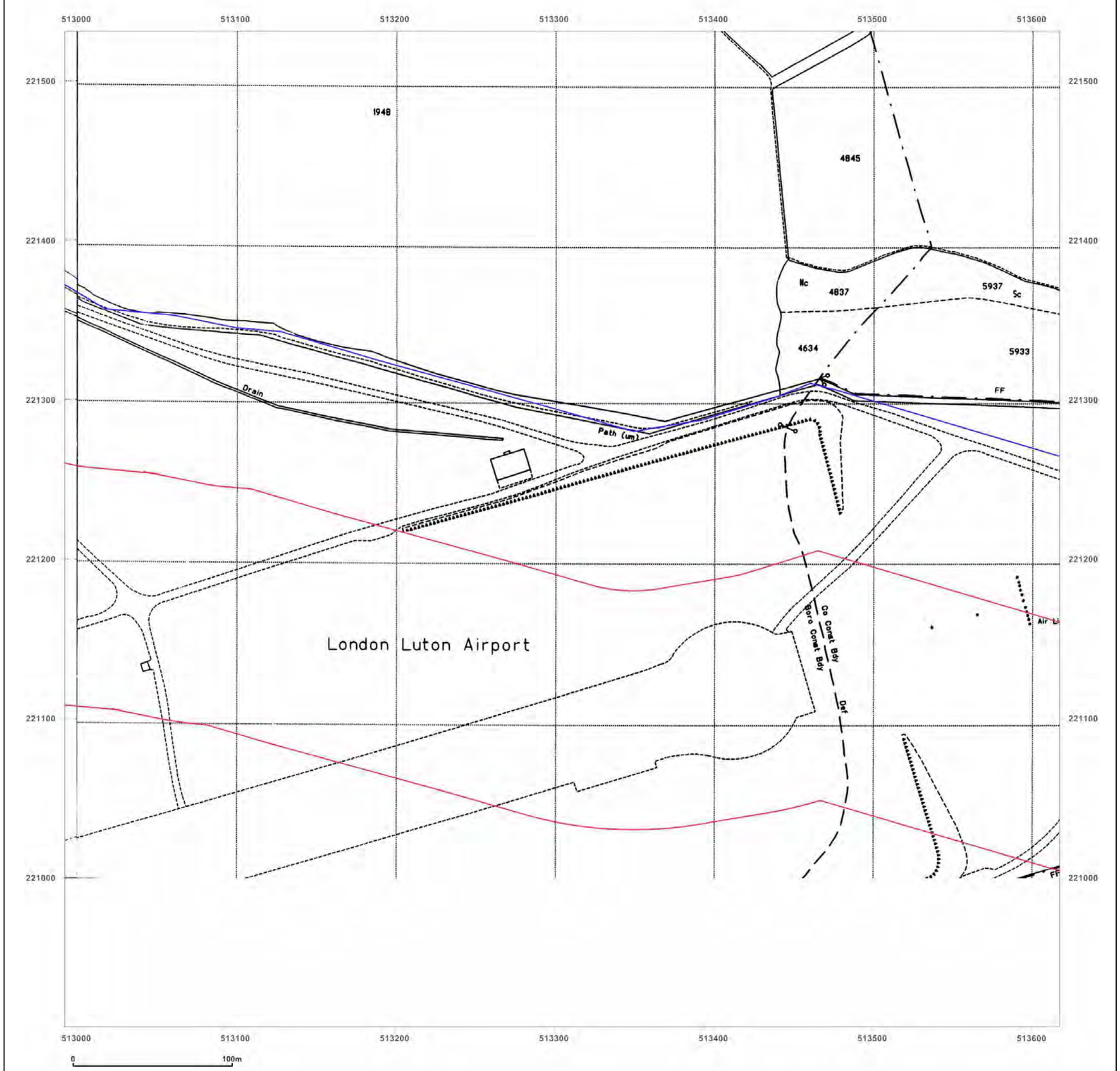

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_1
Grid Ref: 513305, 221219

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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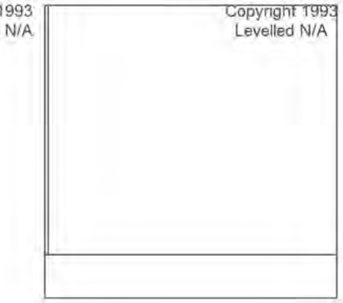
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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



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Production date: 16 October 2018

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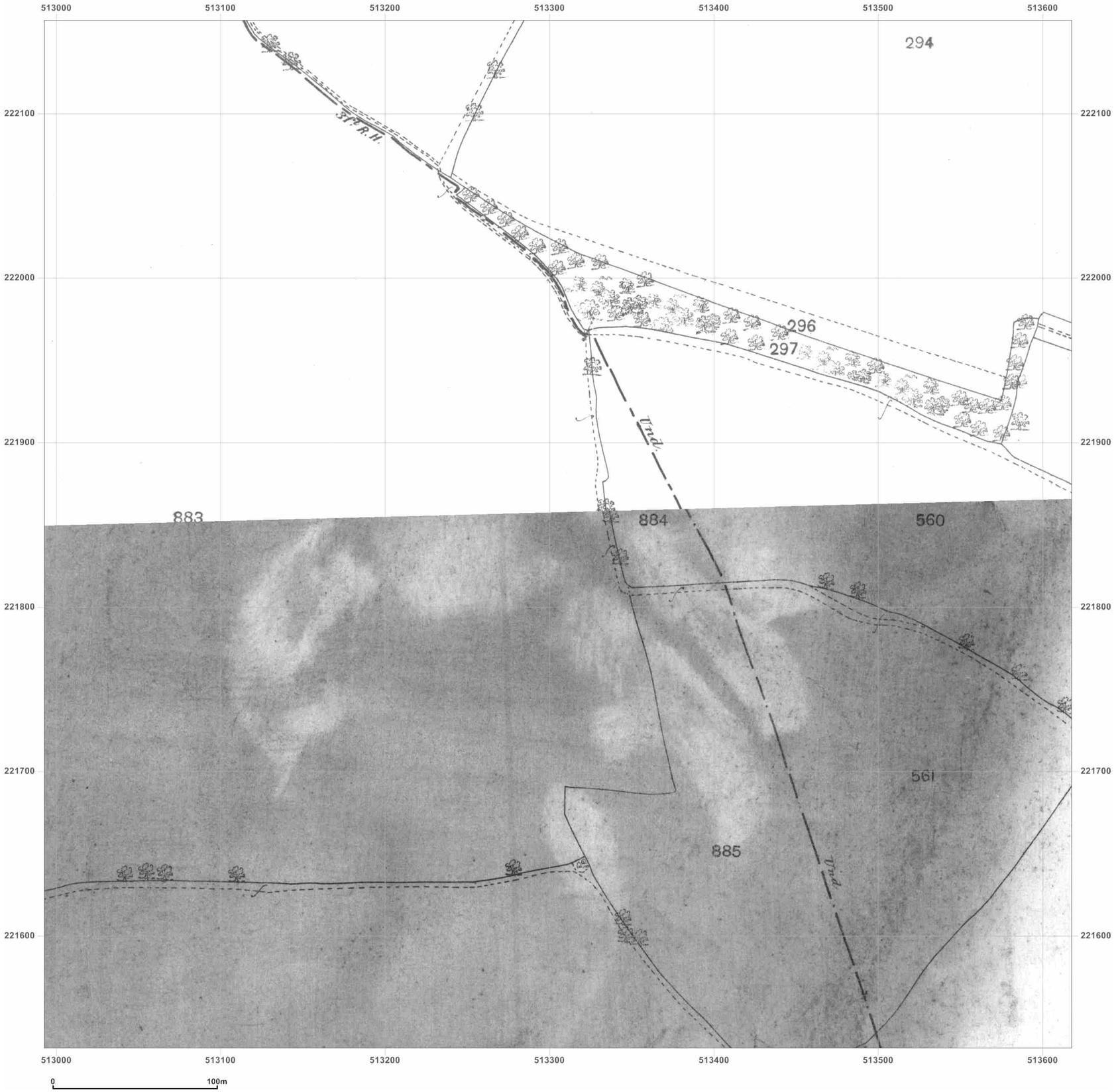

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: County Series

Map date: **1881**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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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

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Production date: 16 October 2018

Map legend available at:
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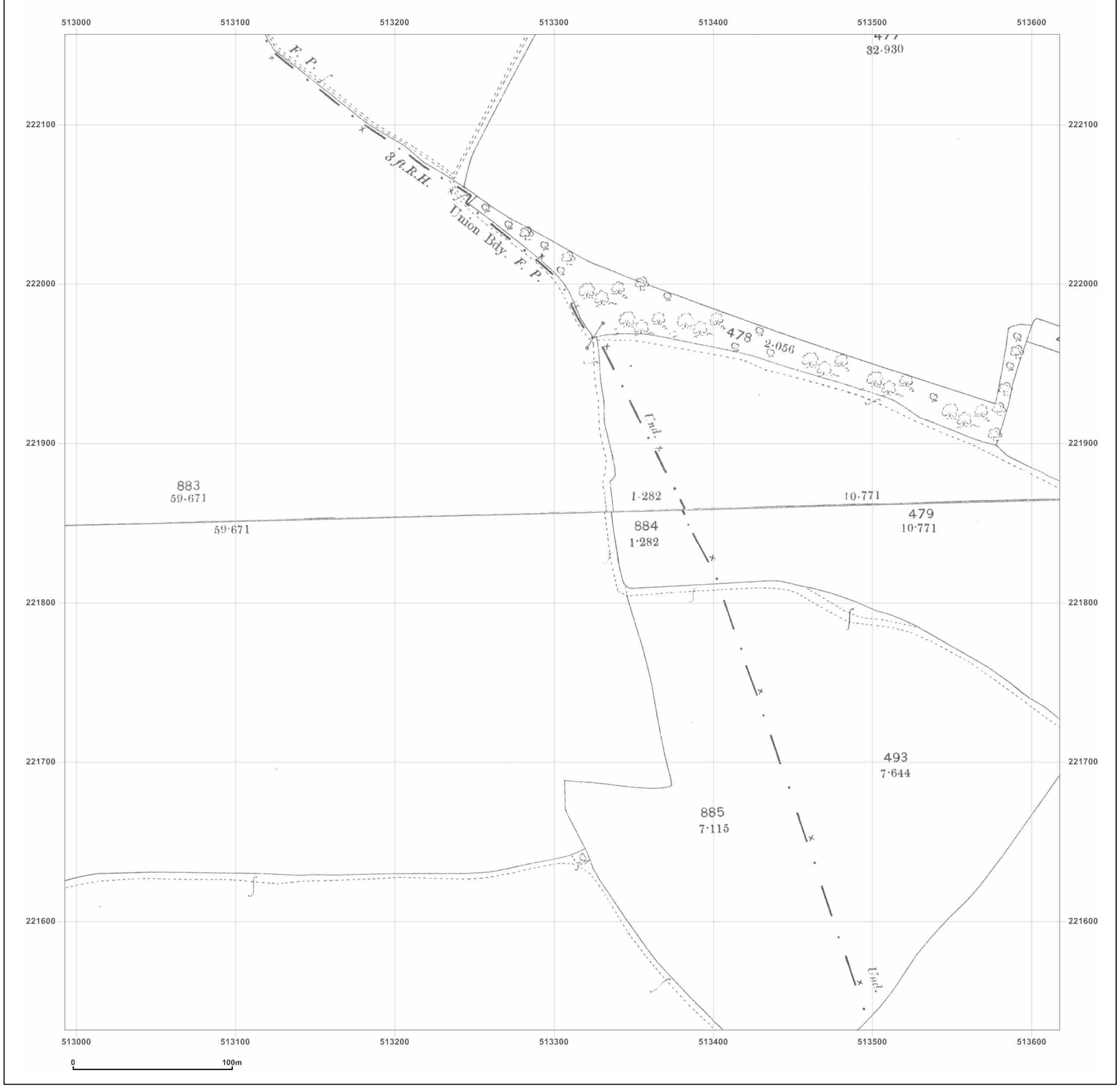

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: County Series
Map date: **1898**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
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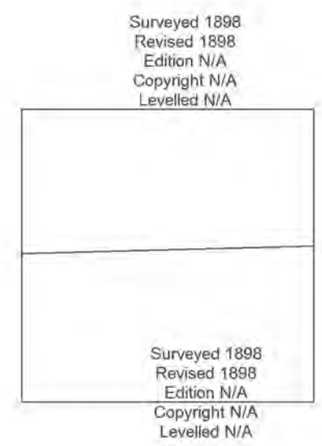

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Production date: 16 October 2018

Map legend available at:
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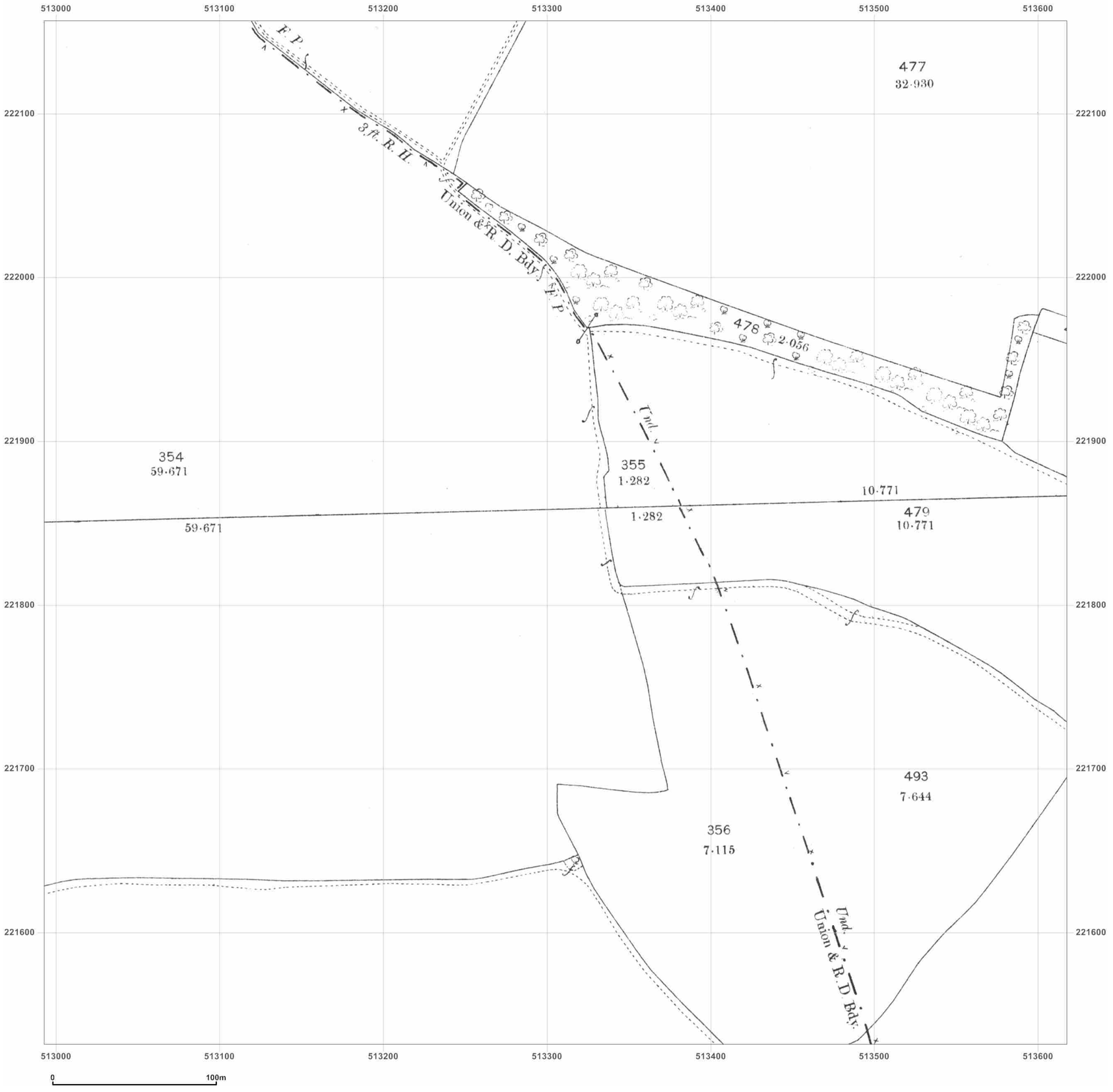


Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: County Series

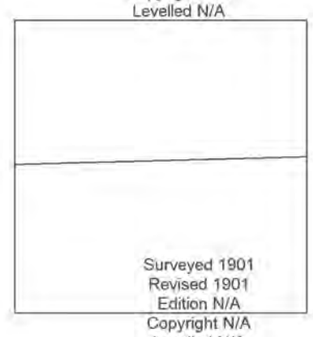
Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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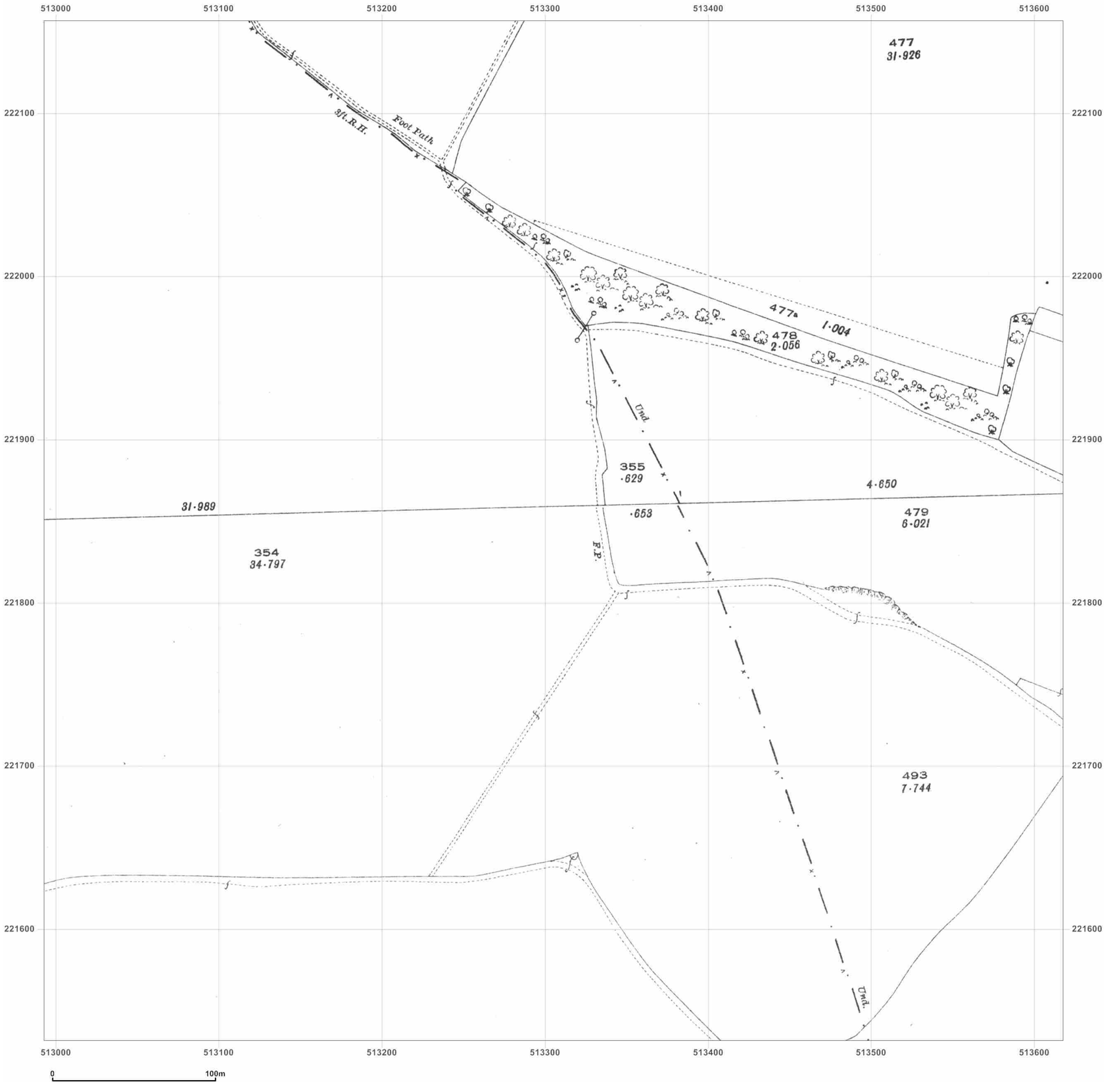


Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

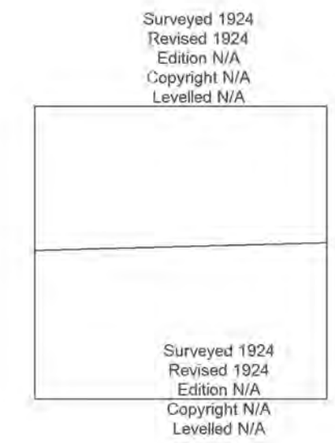
Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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Production date: 16 October 2018

Map legend available at:
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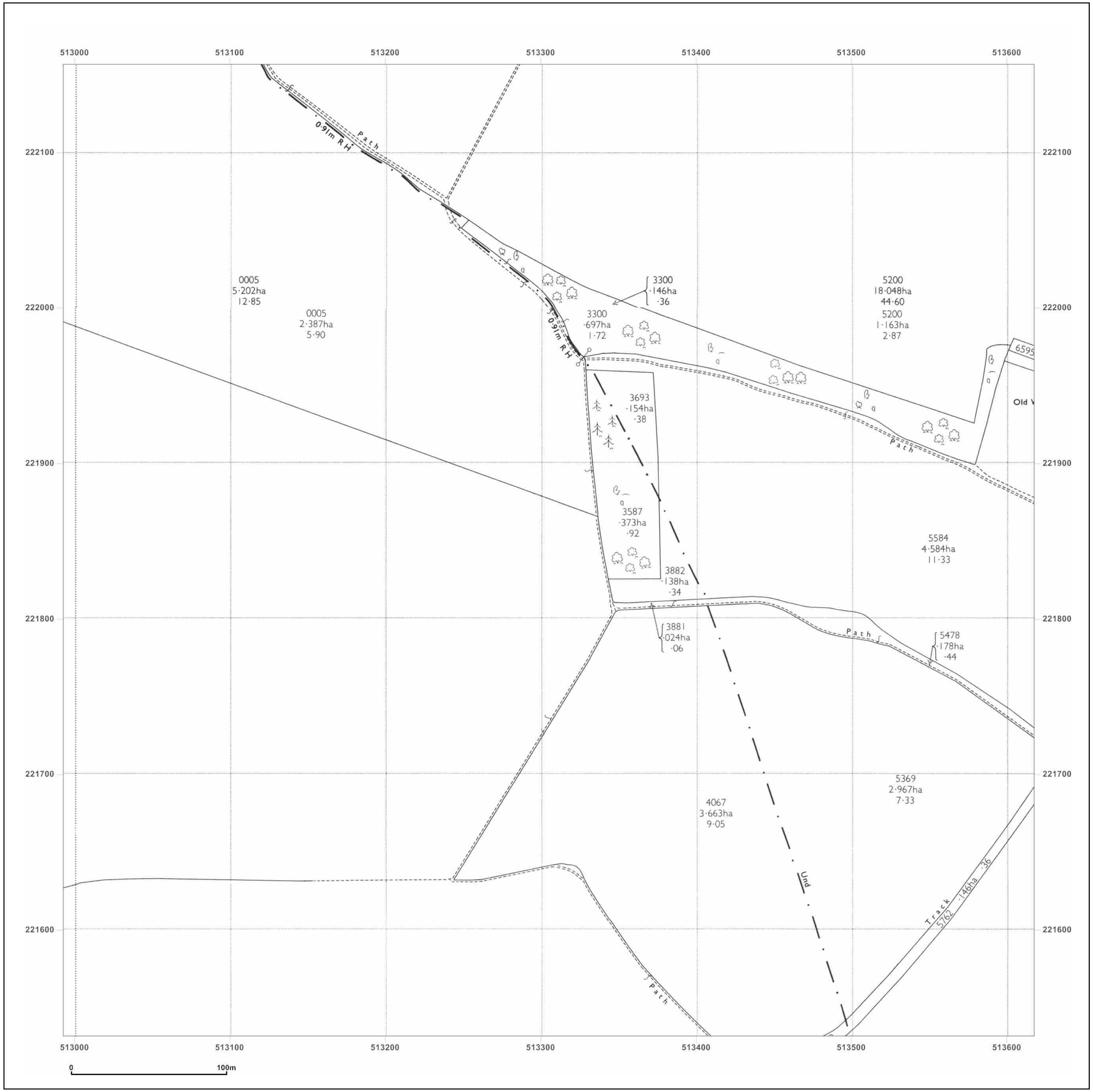

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: National Grid
Map date: **1971**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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Production date: 16 October 2018

Map legend available at:
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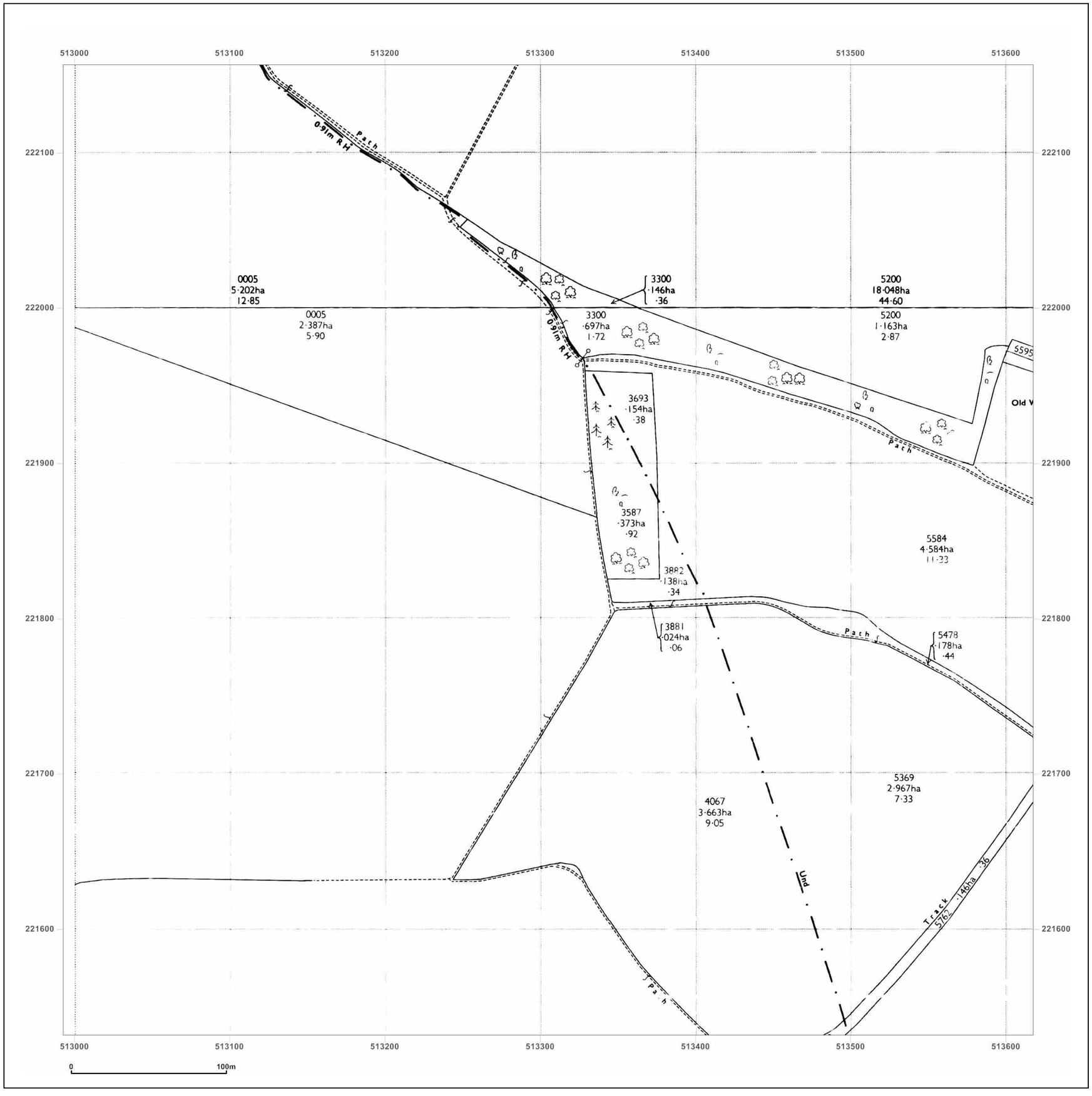

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: National Grid

Map date: **1972**

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: 16 October 2018

Map legend available at:
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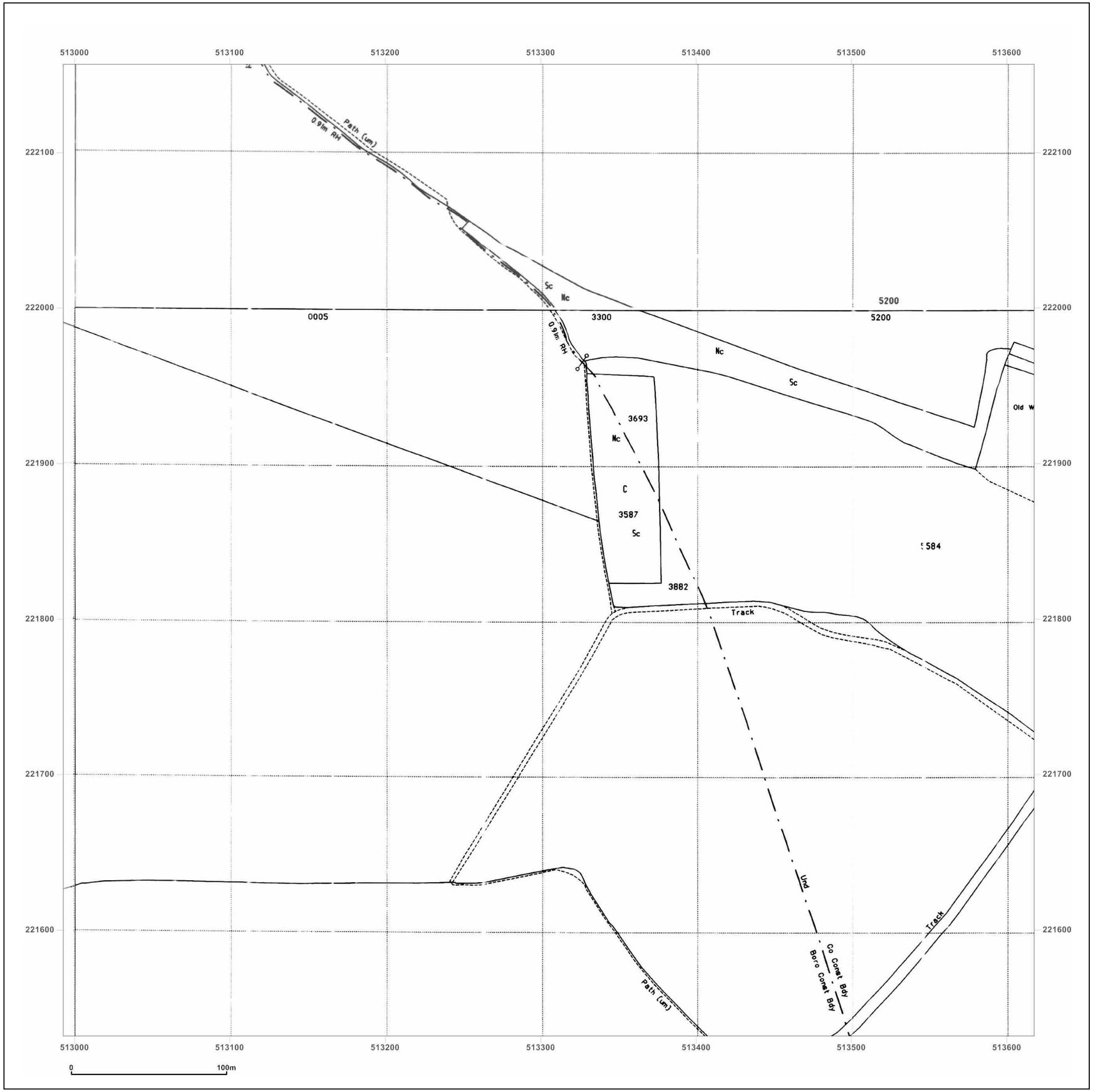

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised 1992
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1958
Revised 1990
Edition N/A
Copyright 1990
Levelled 1958

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

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Production date: 16 October 2018

Map legend available at:
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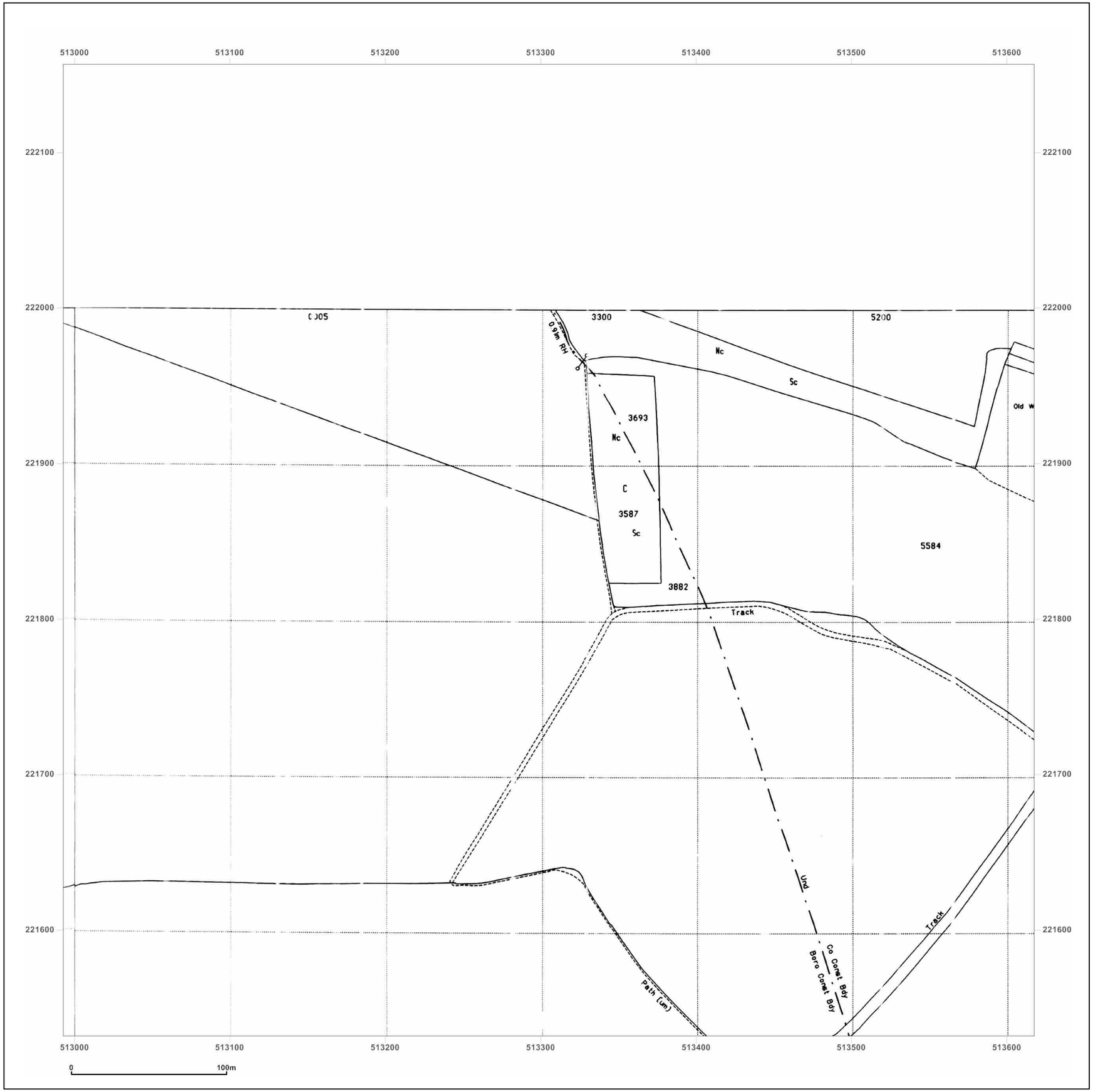

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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

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Production date: 16 October 2018

Map legend available at:
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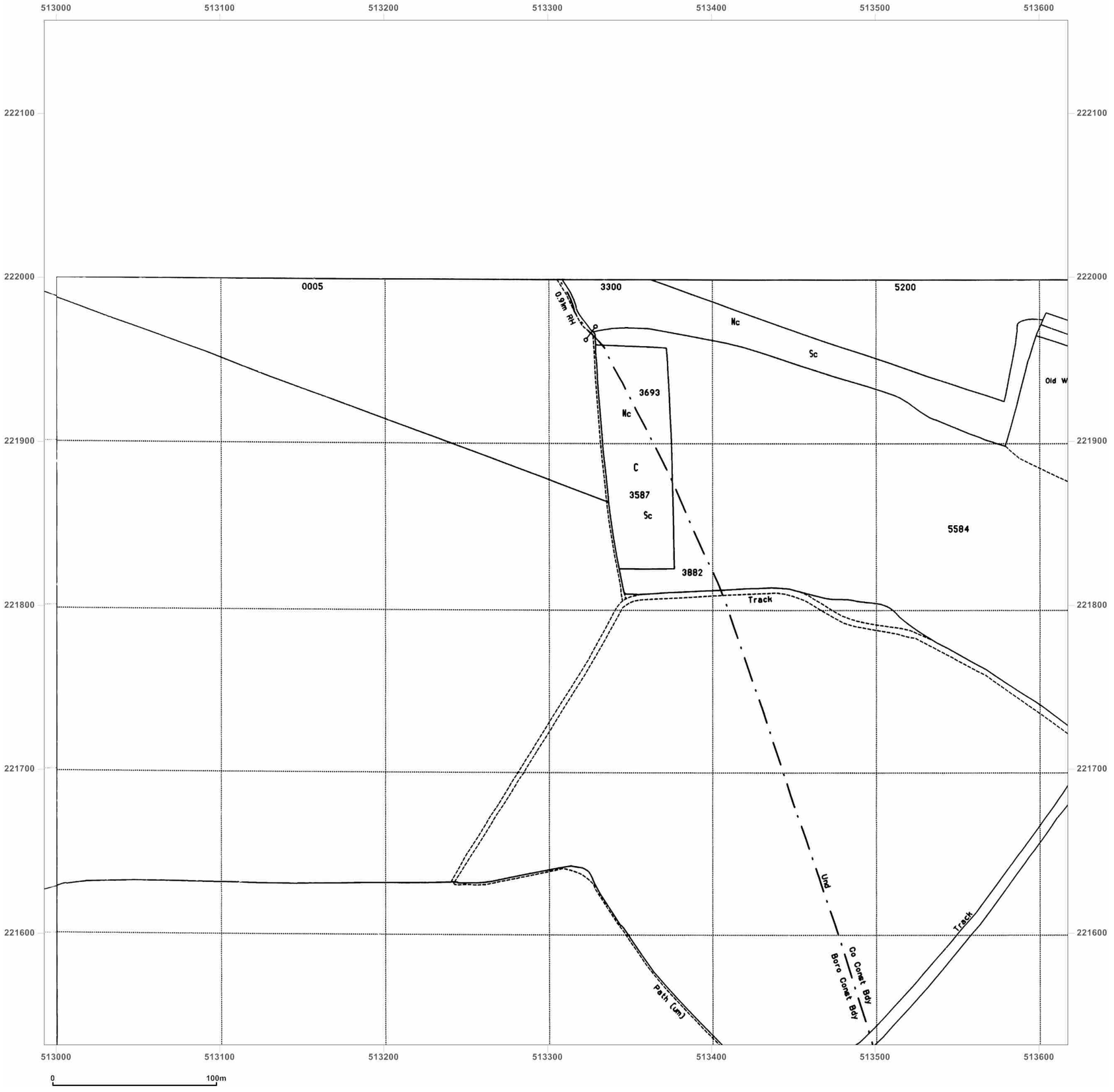

Groundsure INSIGHTS

Site Details:

513326.29595395754, 221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_2
Grid Ref: 513305, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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

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Production date: 16 October 2018

Map legend available at:
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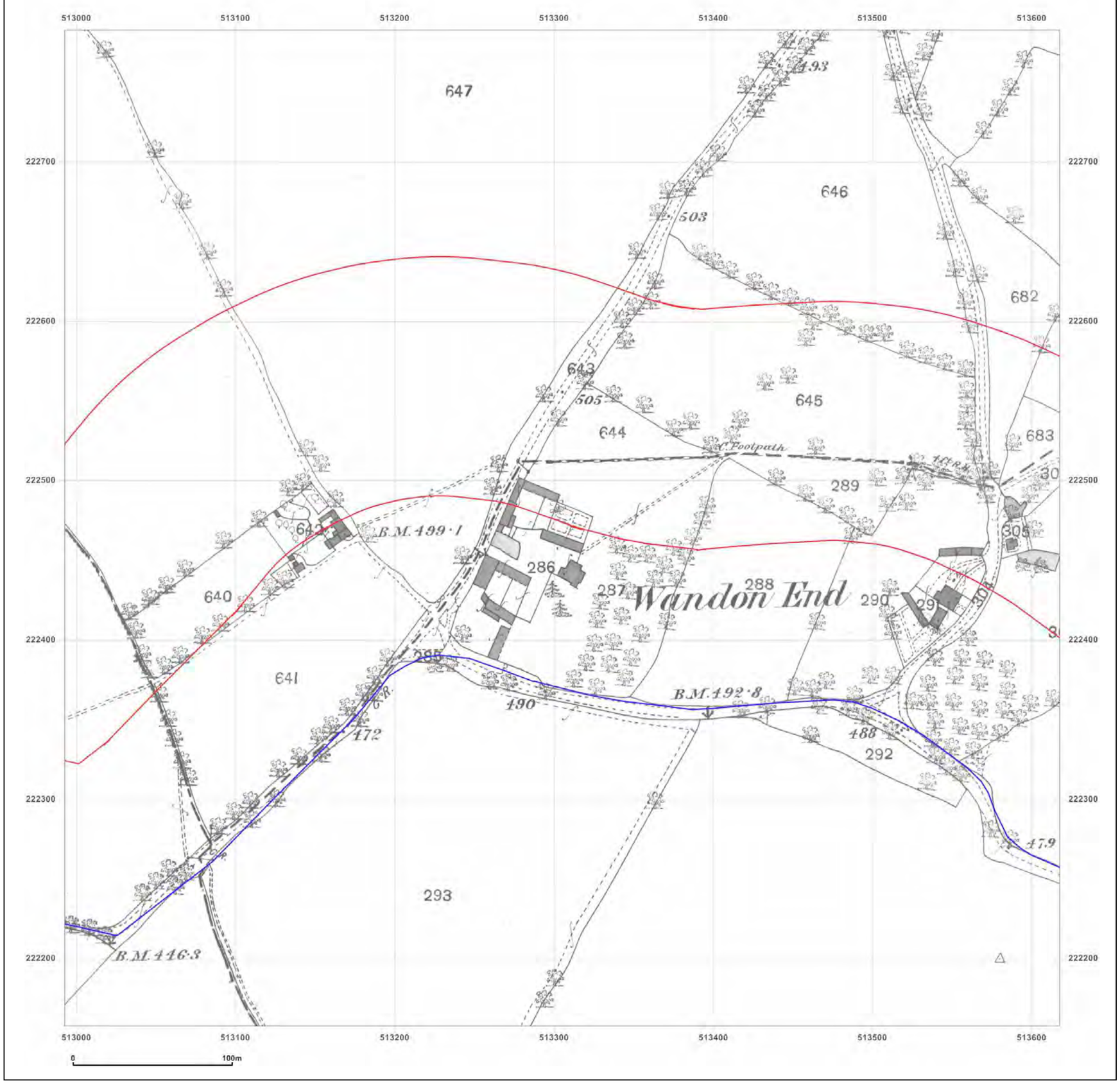

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: County Series

Map date: **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

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Production date: 16 October 2018

Map legend available at:
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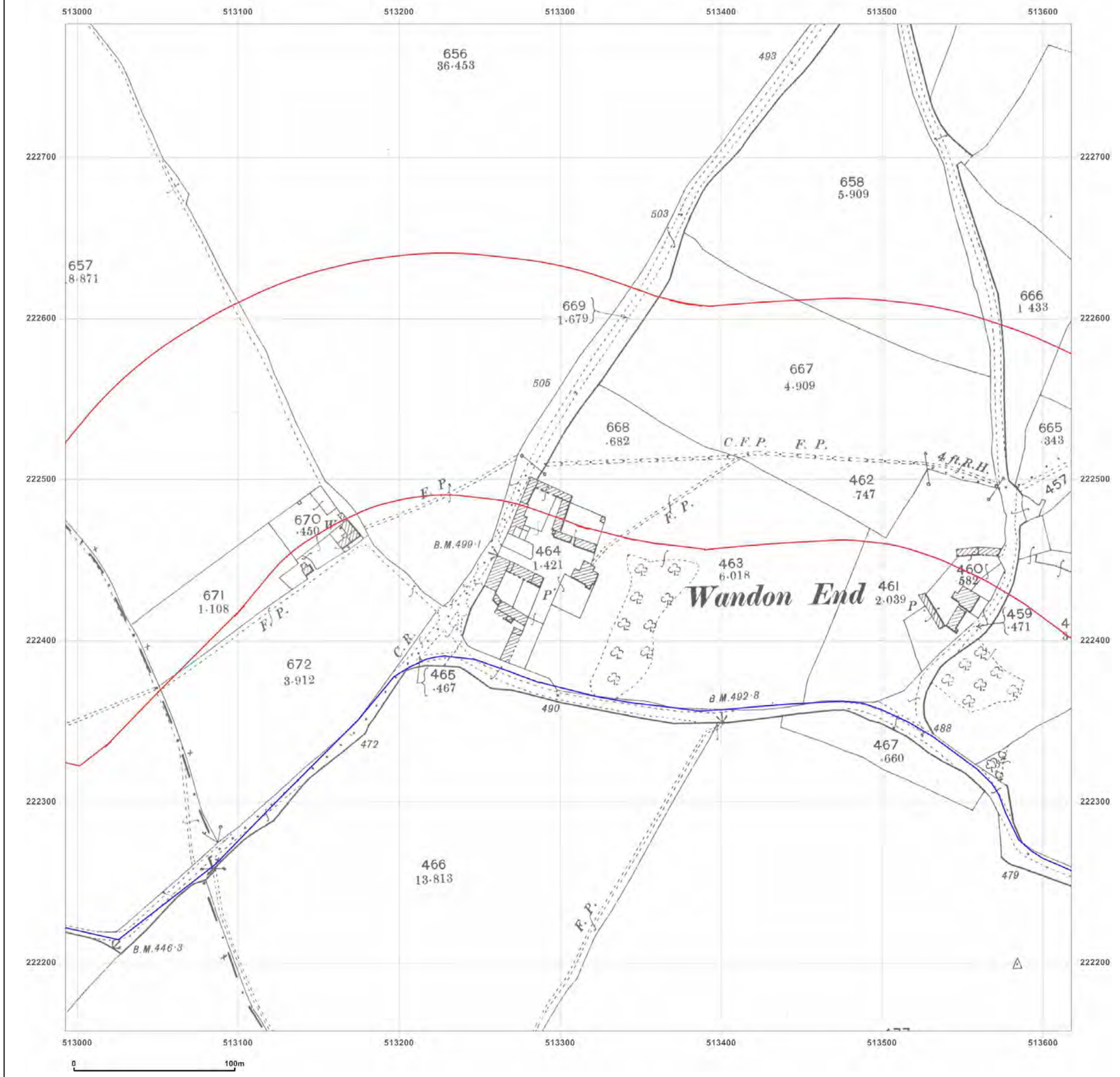

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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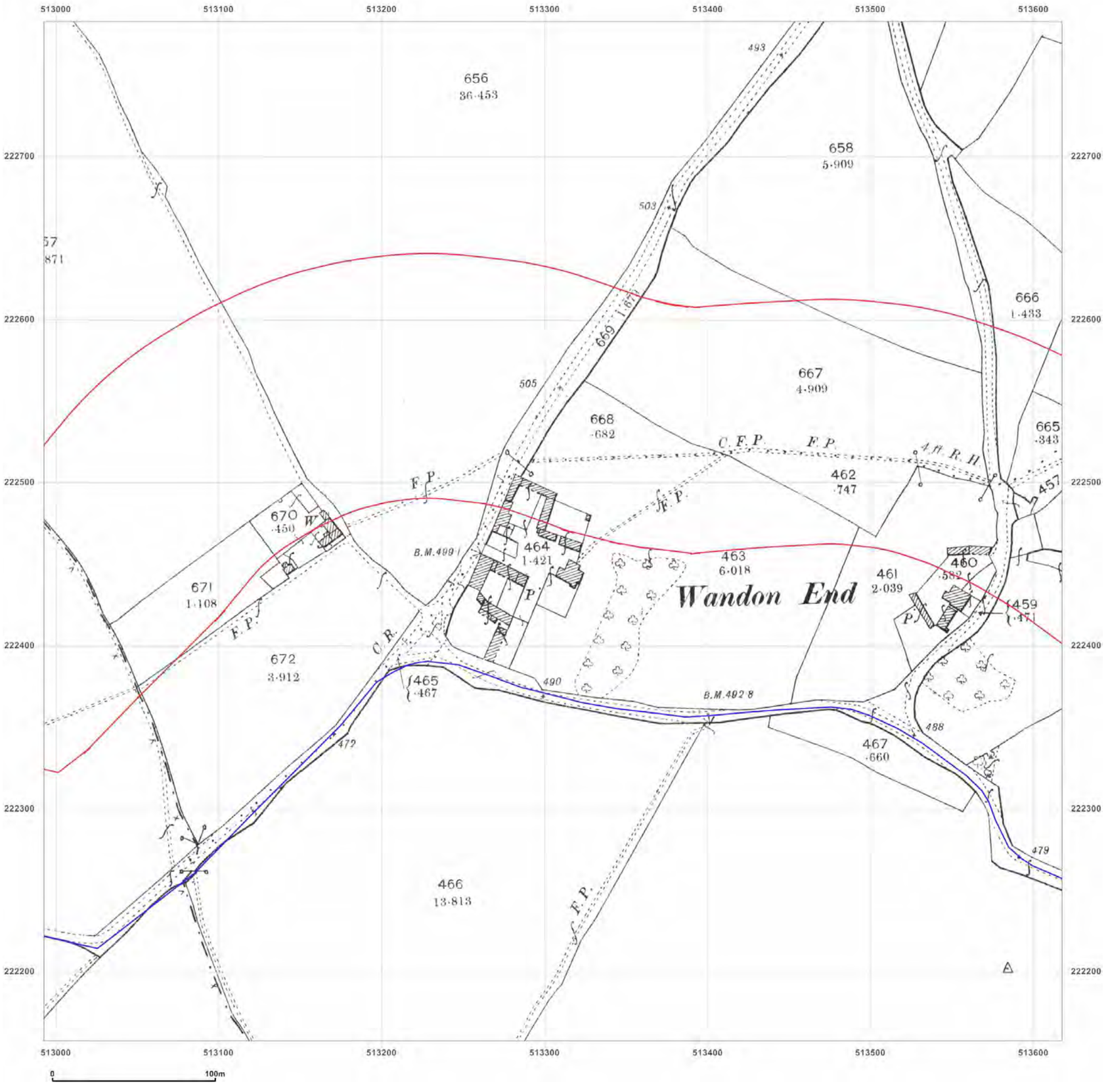
[REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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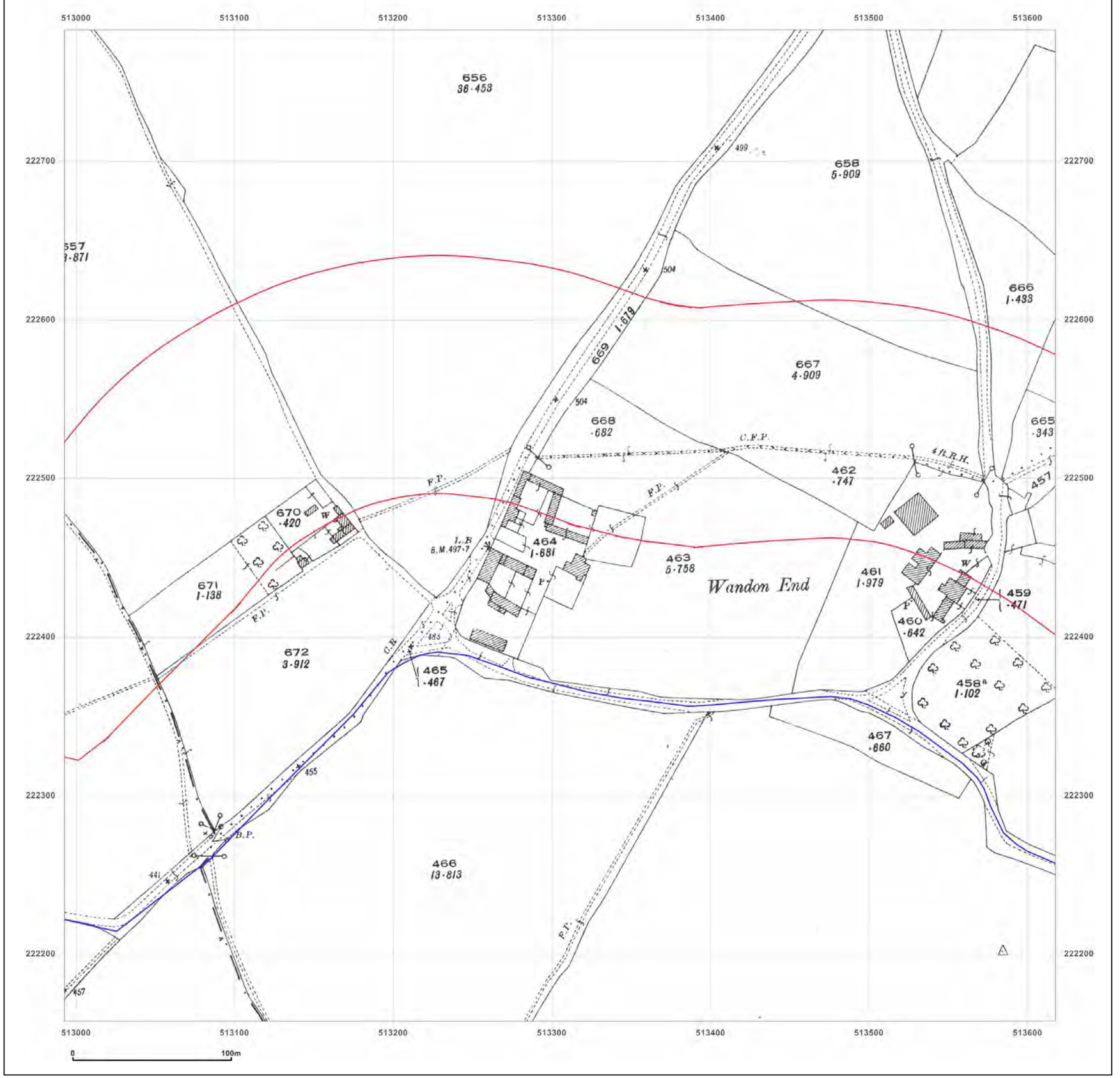

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
[REDACTED]

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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Production date: 16 October 2018

Map legend available at:
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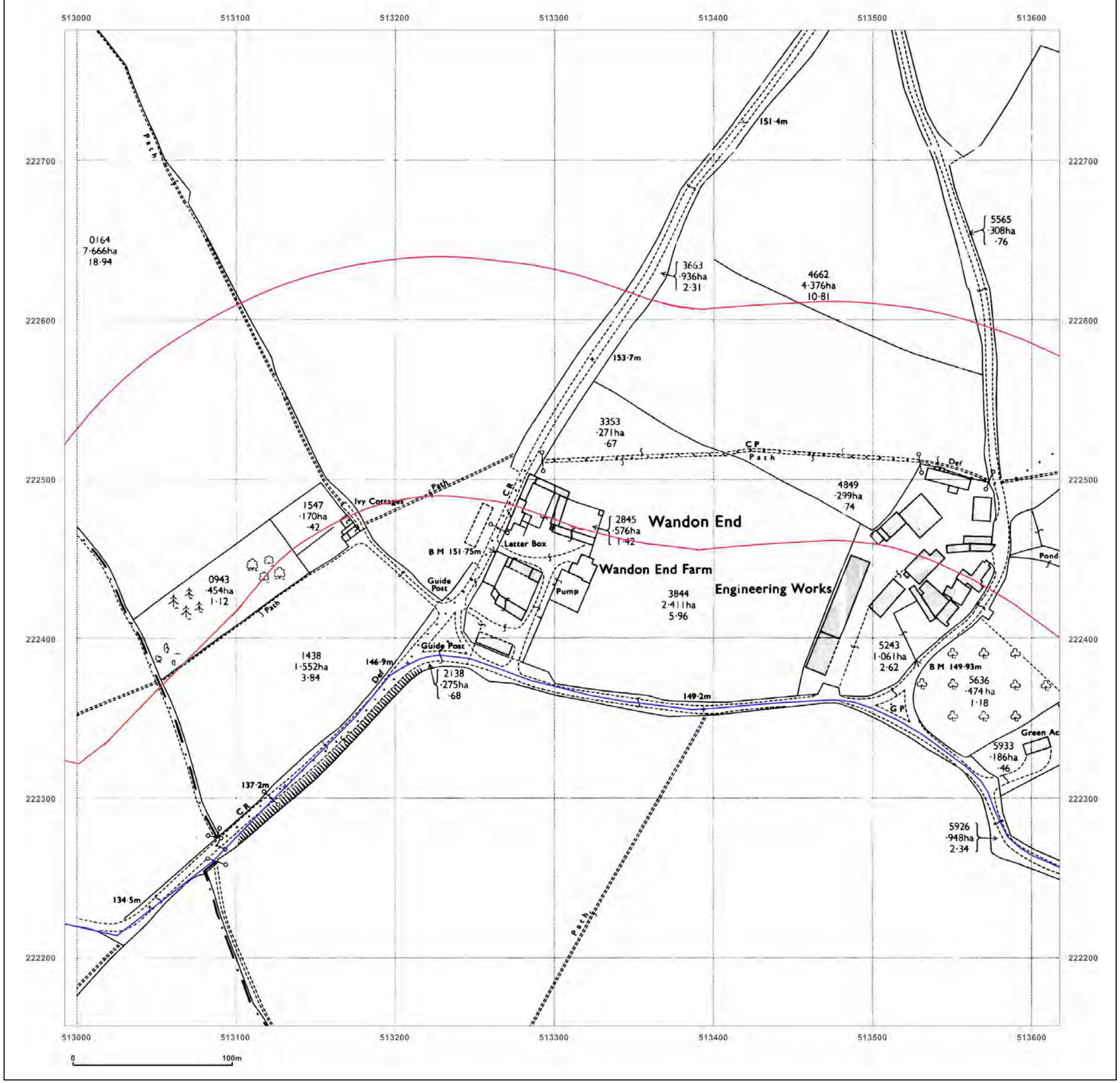

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: National Grid

Map date: **1972**

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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T: 08444 159000
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Production date: 16 October 2018

Map legend available at:
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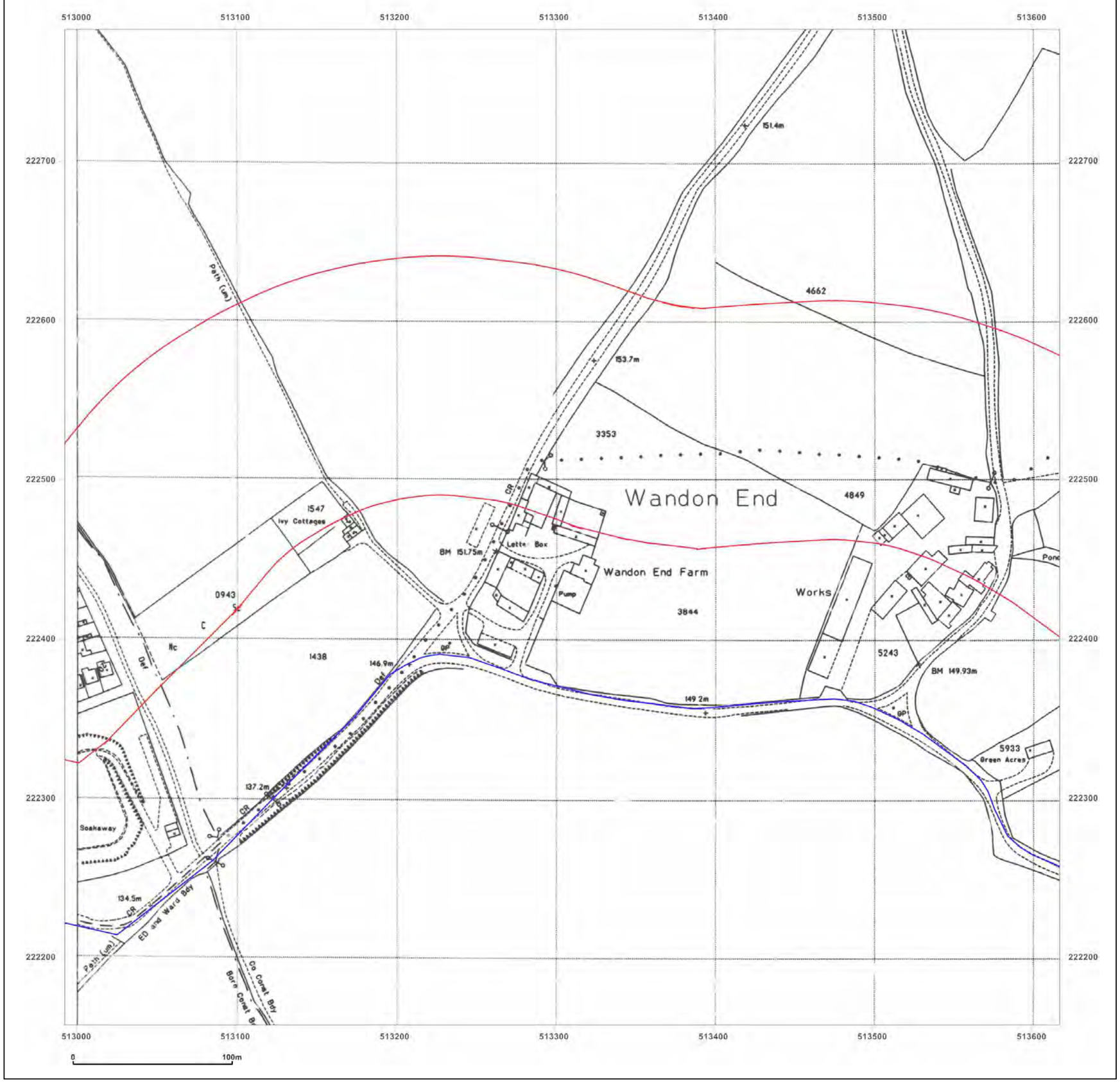

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_3_3
Grid Ref: 513305, 222470

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised 1992
Edition N/A
Copyright 1993
Levelled N/A

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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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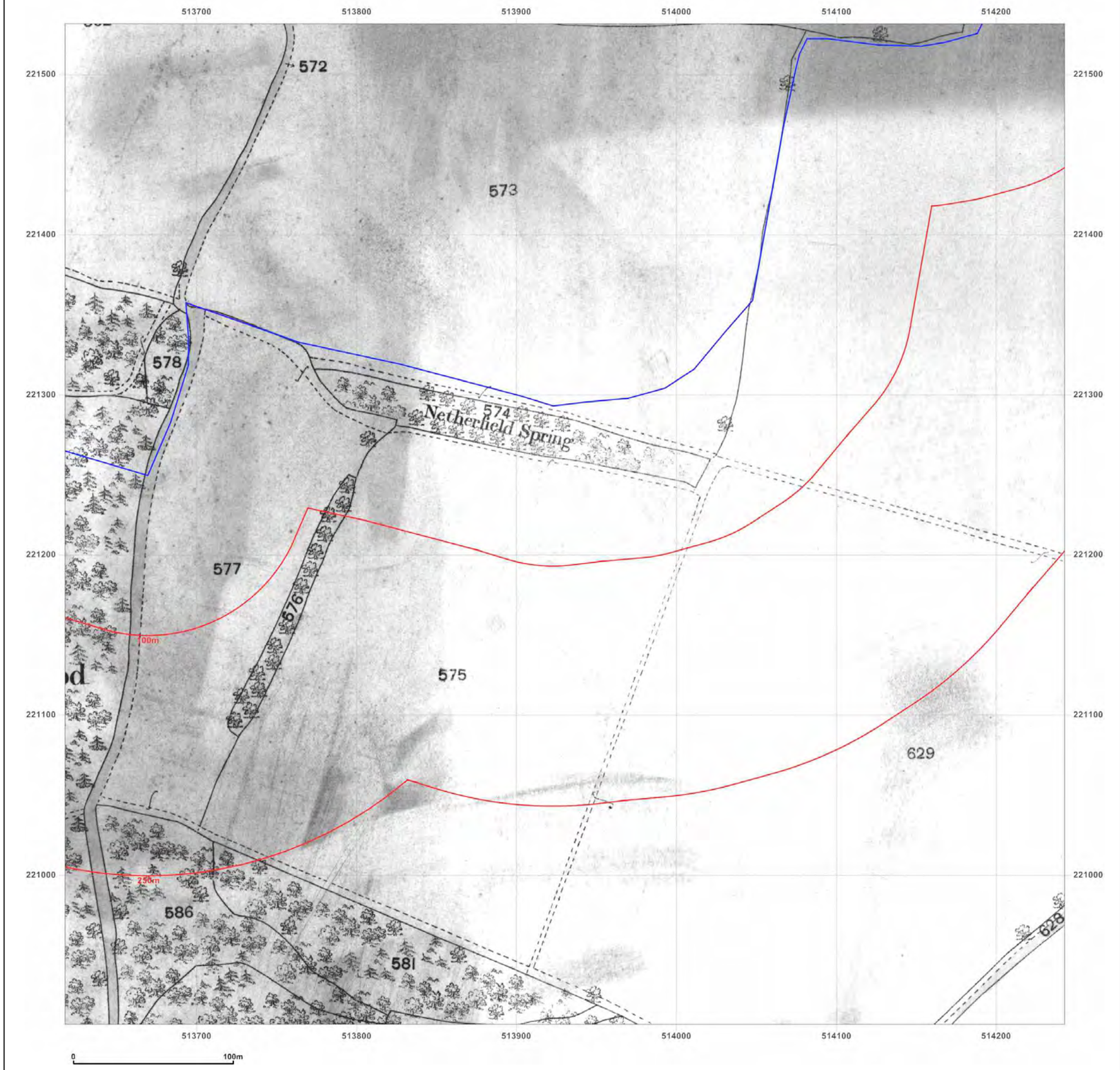

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: County Series

Map date: **1881**

Scale: 1:2,500

Printed at: 1:2,500

N
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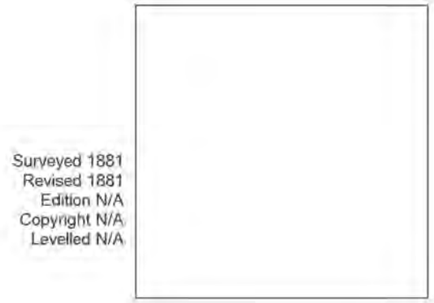

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Production date: 16 October 2018

Map legend available at:
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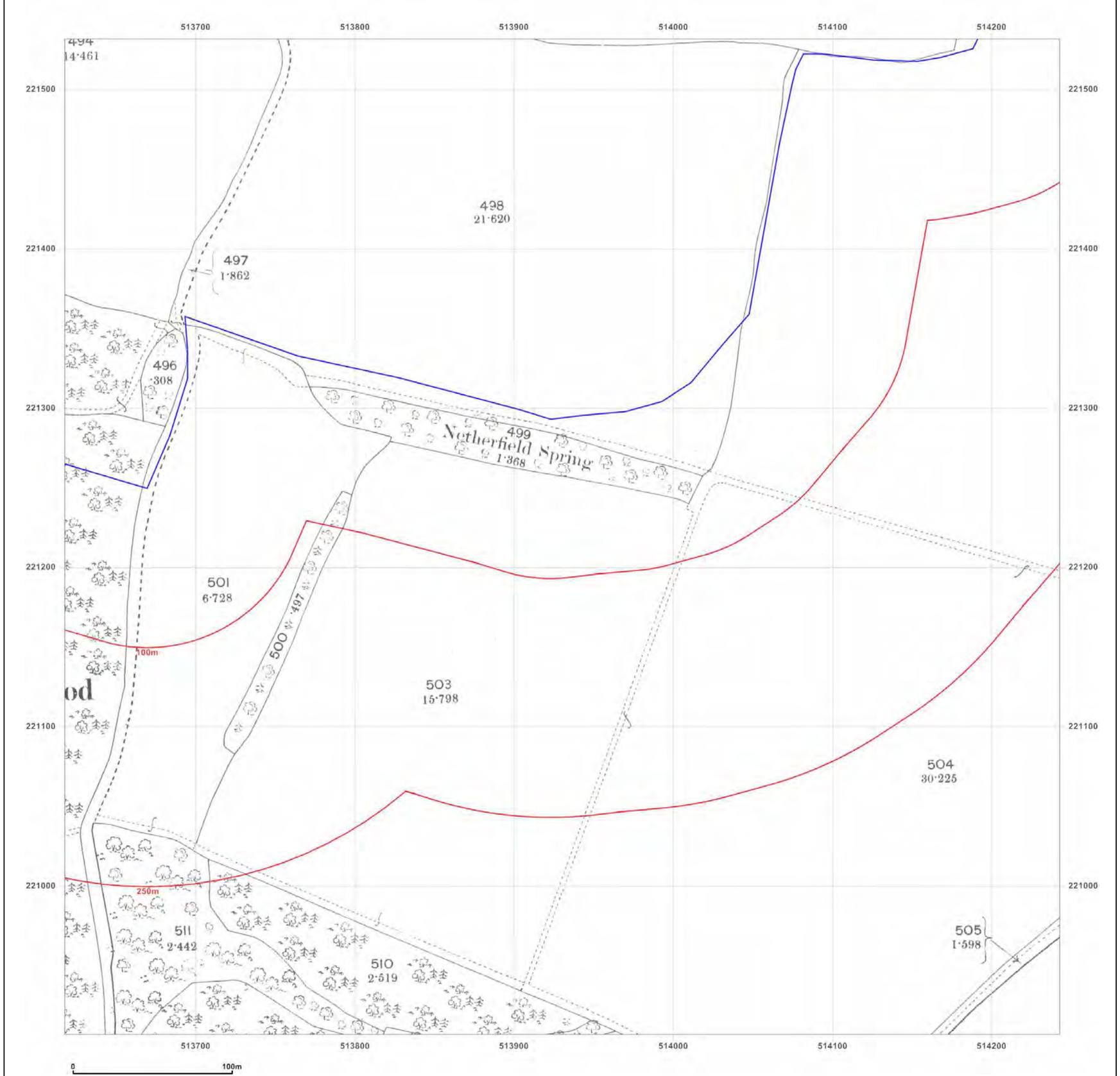

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 16 October 2018

Map legend available at:
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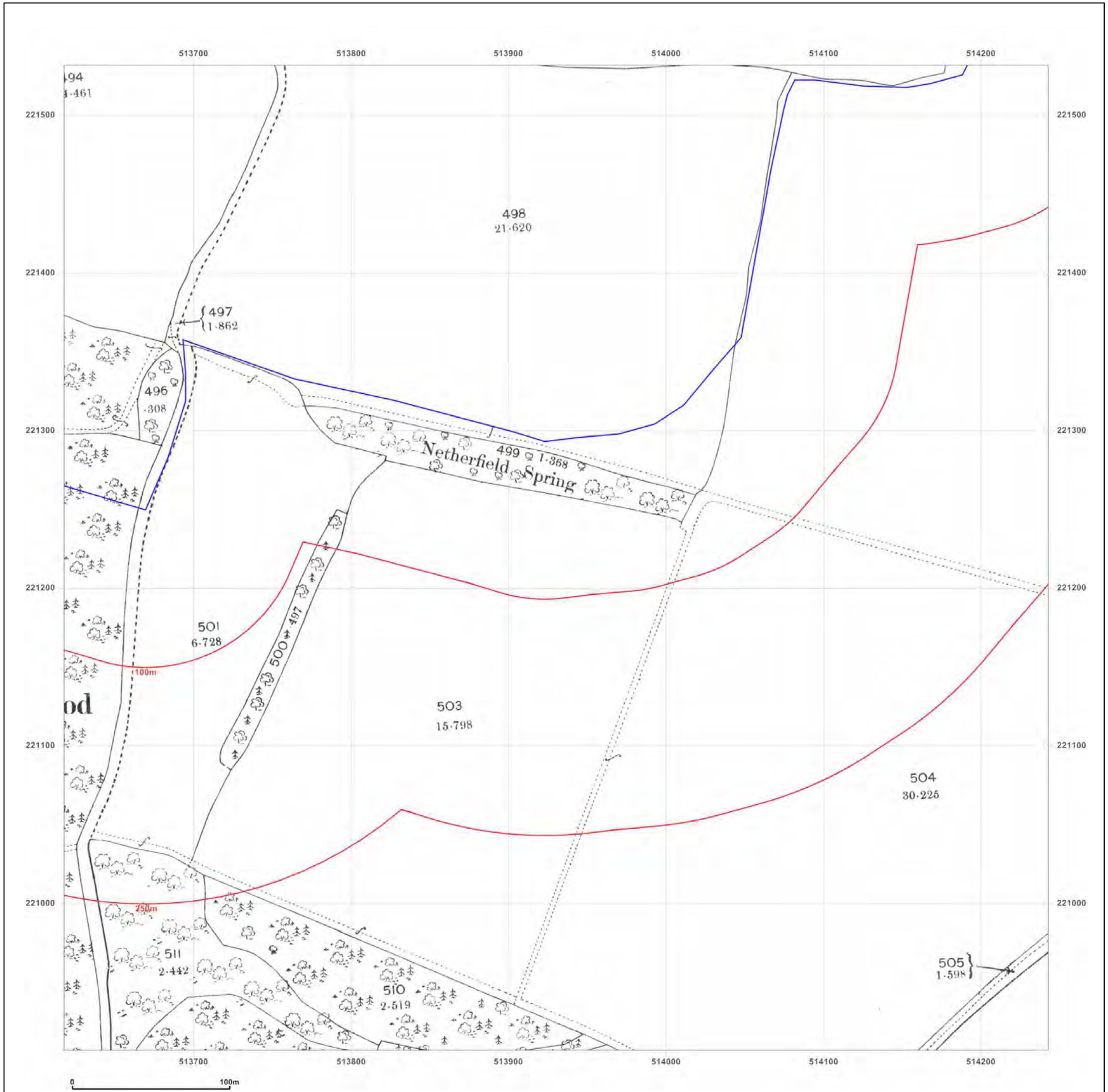

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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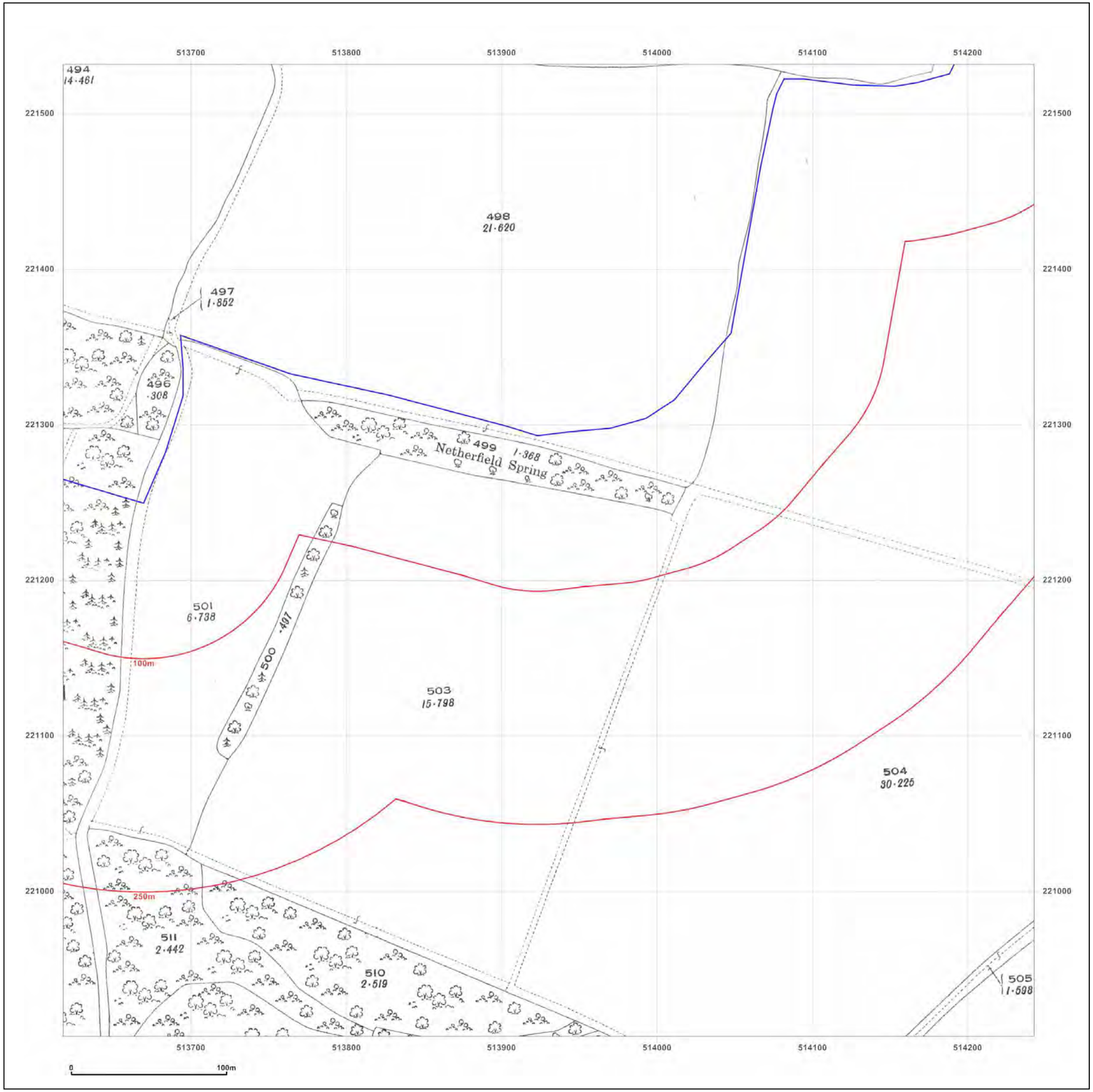

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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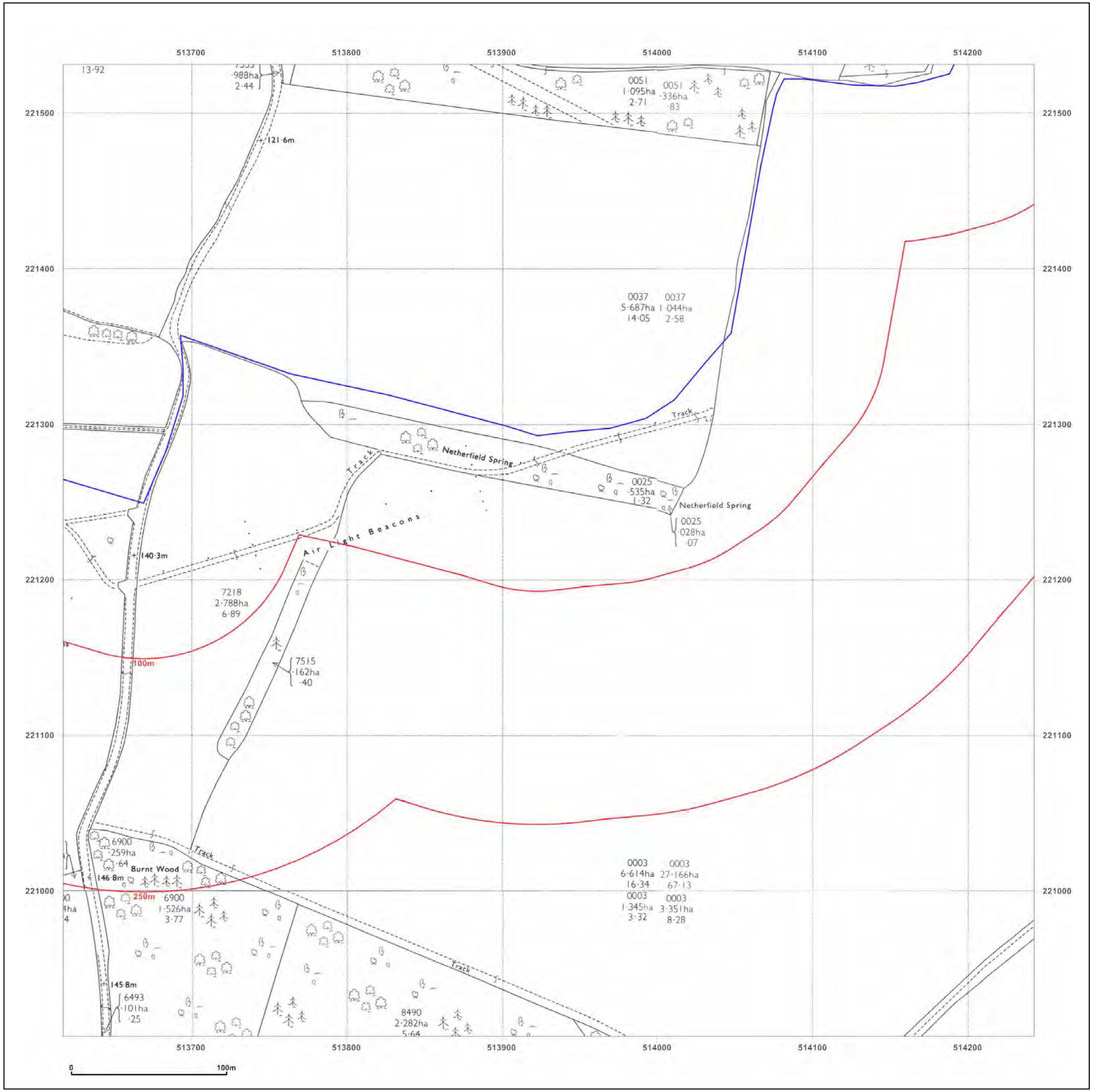


Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

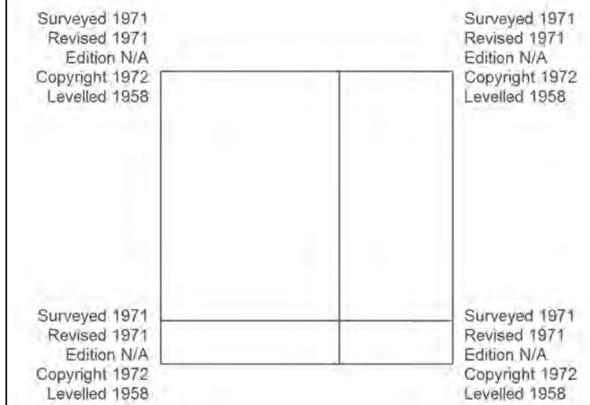
Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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Produced by
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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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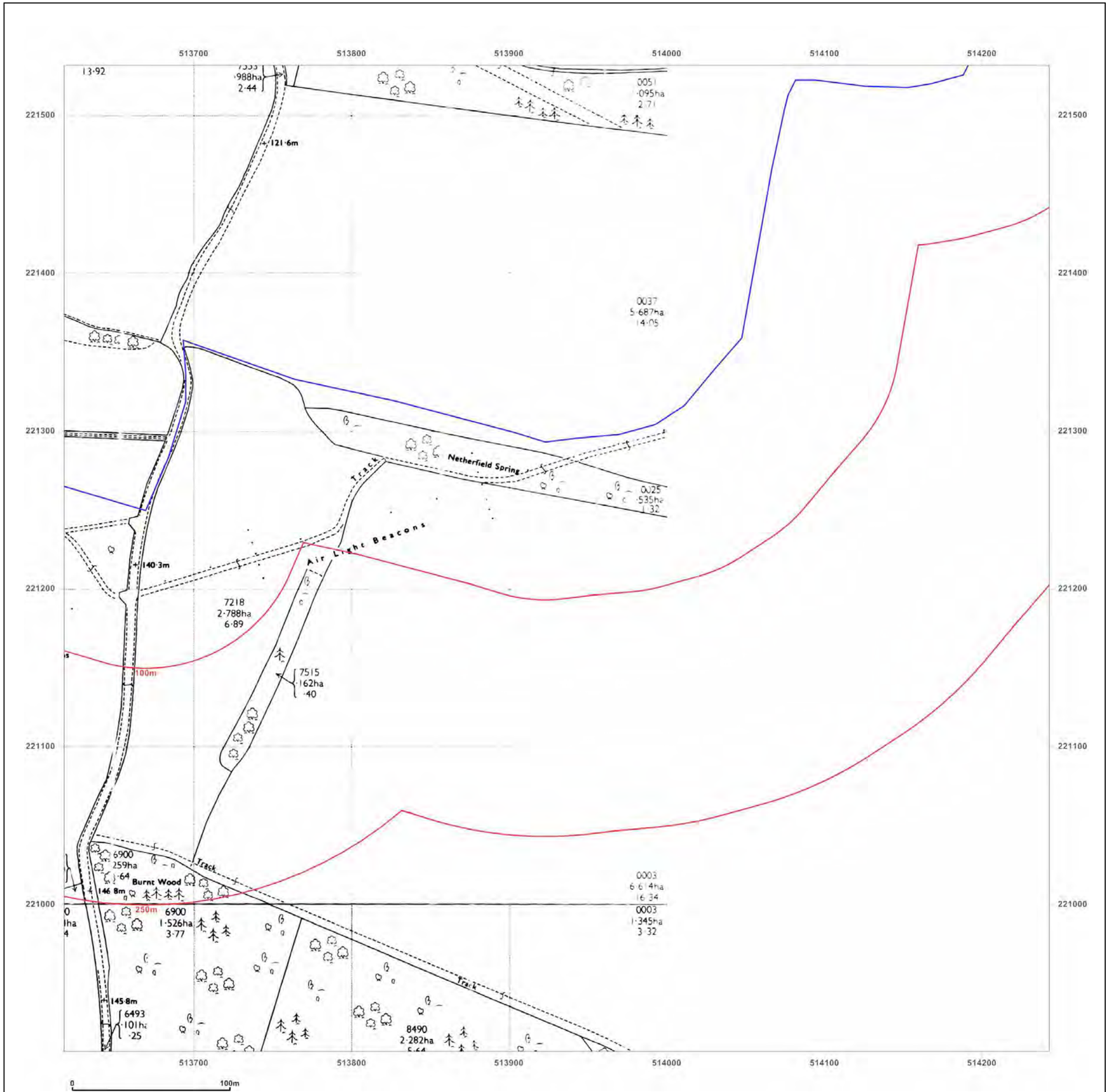

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: National Grid

Map date: **1972**

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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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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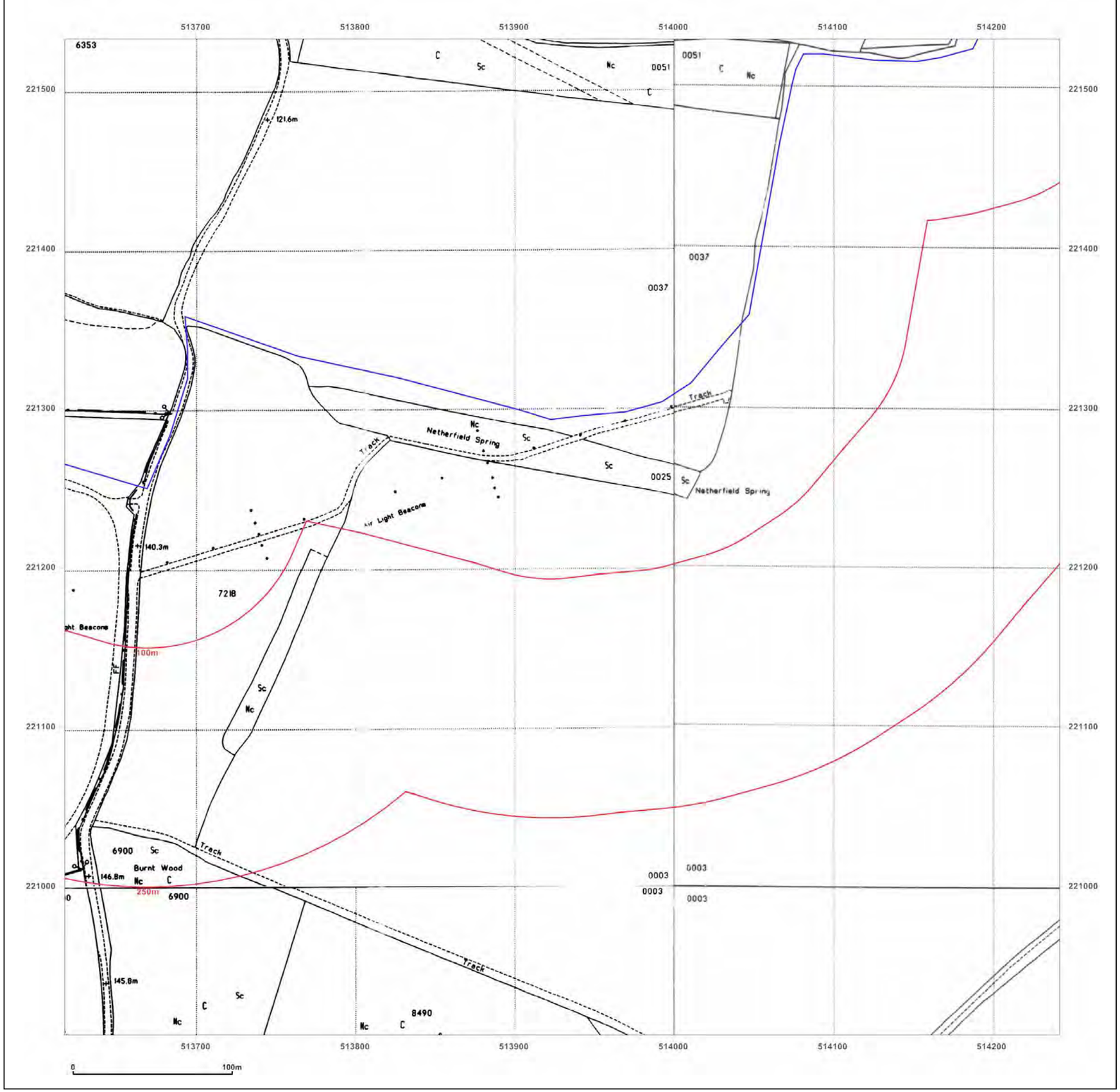

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: National Grid

Map date: **1992-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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

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

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

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Production date: 16 October 2018

Map legend available at:
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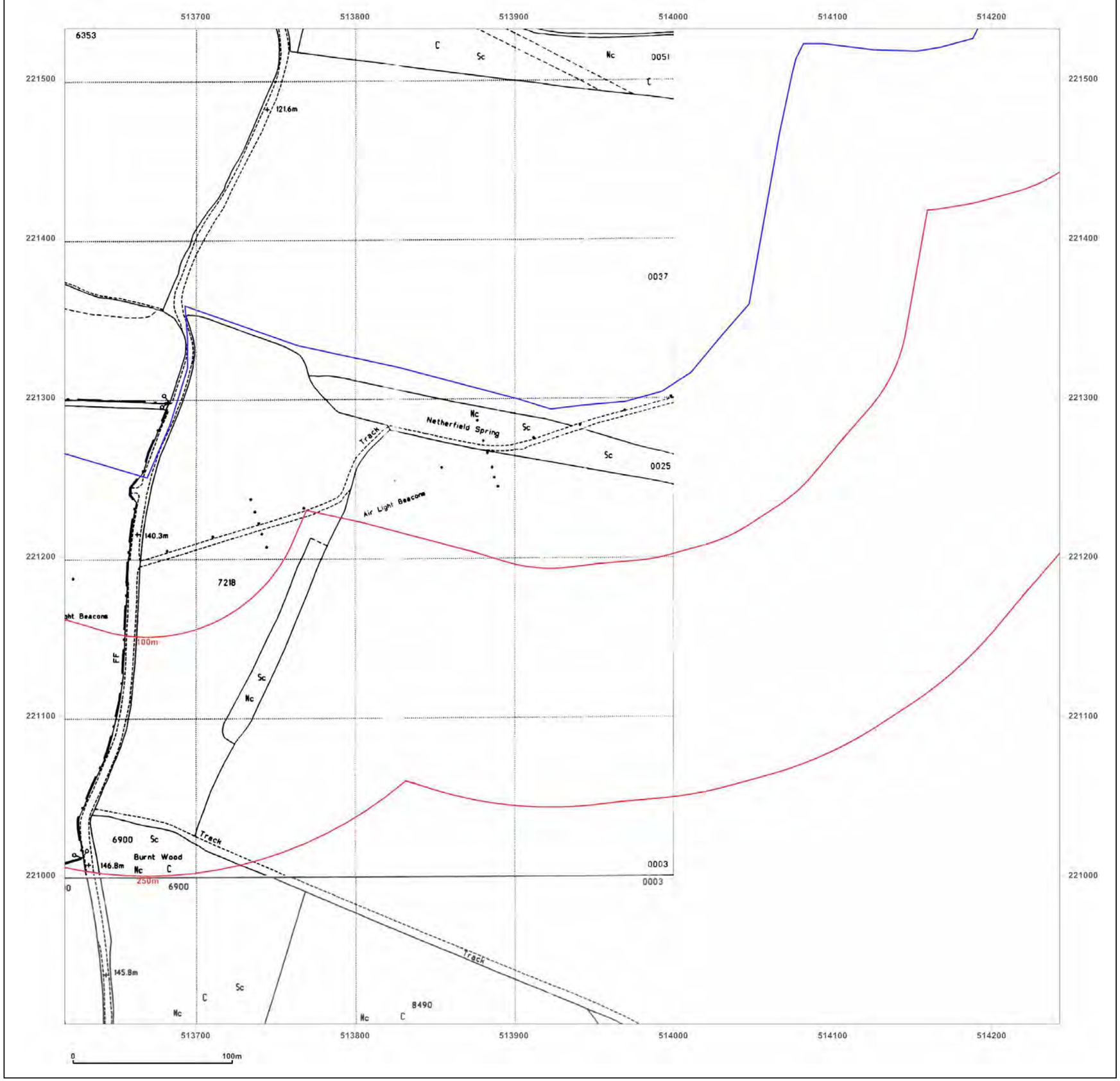


Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

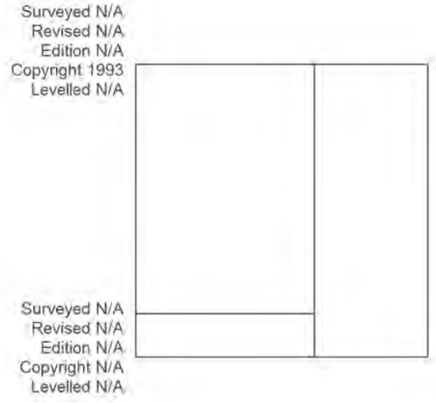
Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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Production date: 16 October 2018

Map legend available at:
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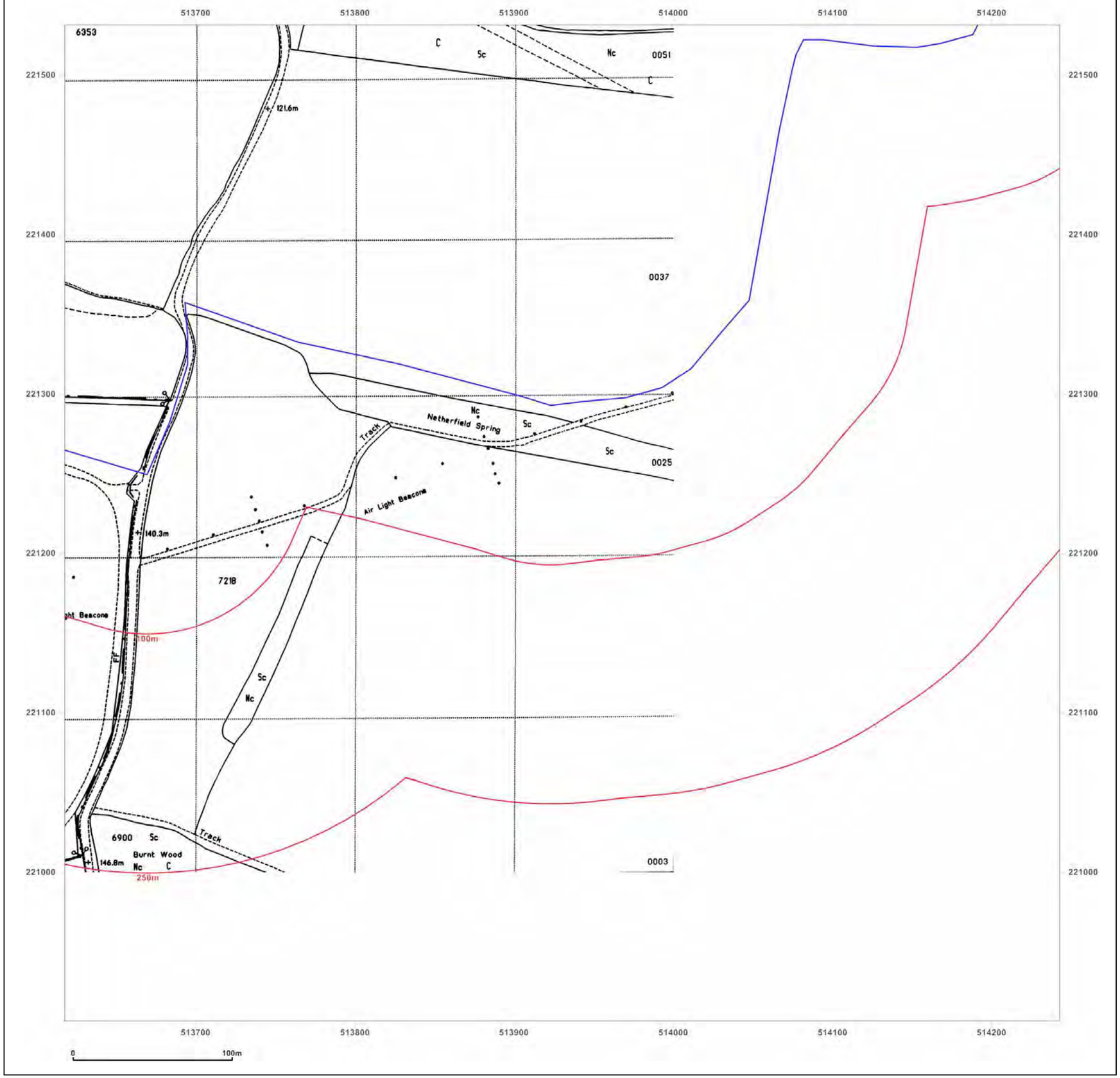


Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_1
Grid Ref: 513930, 221219

Map Name: National Grid

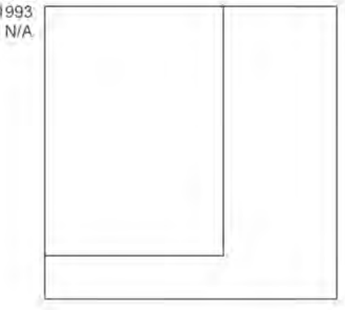
Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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



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Production date: 16 October 2018

Map legend available at:
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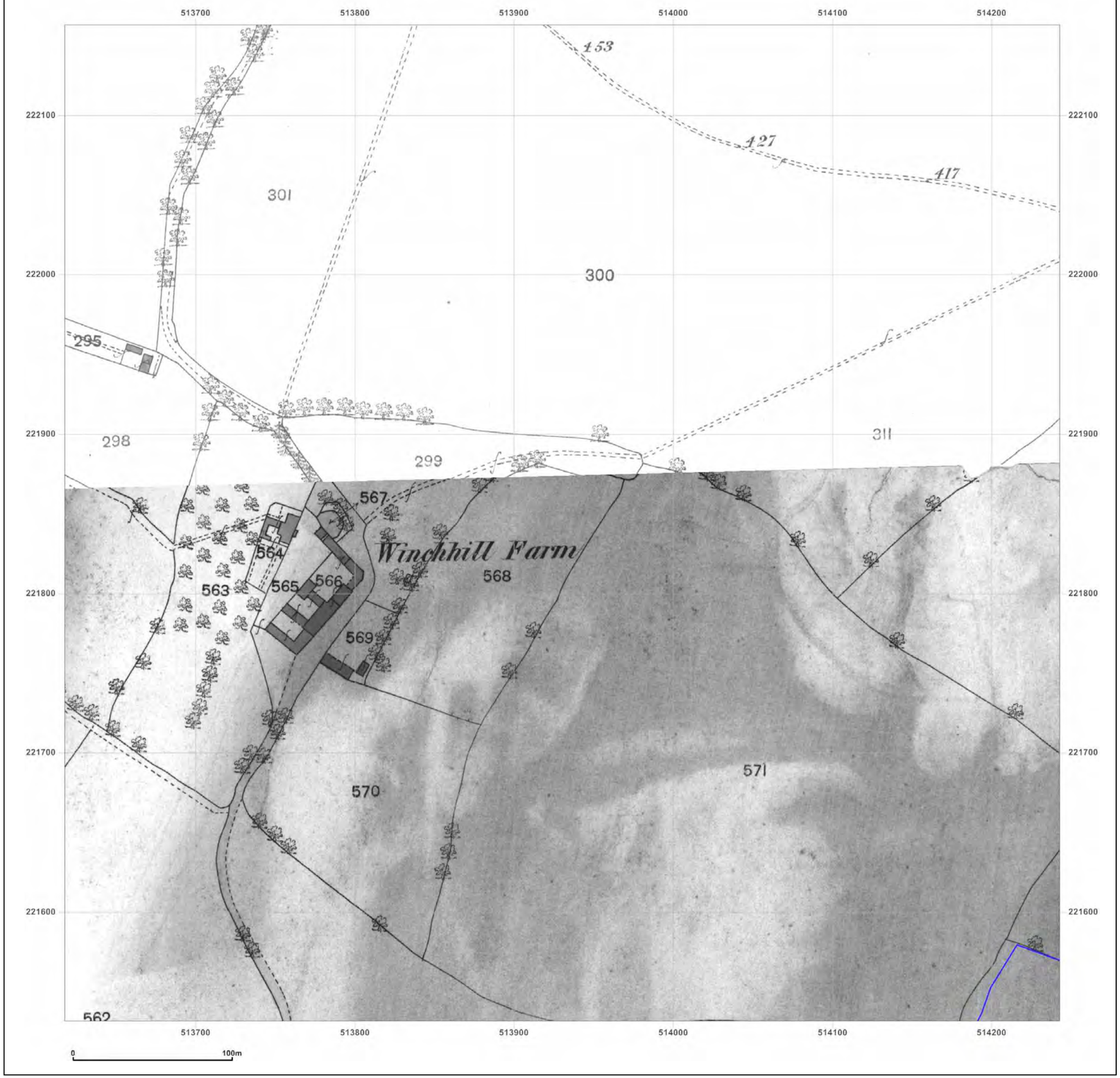


Groundsure INSIGHTS

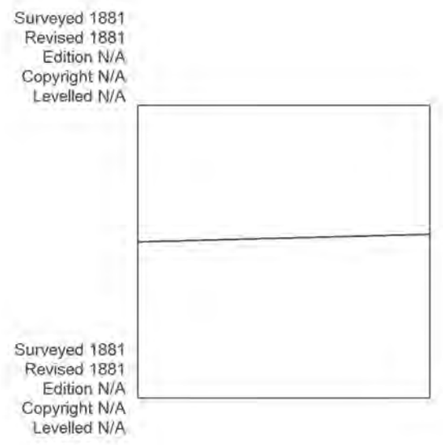
Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: County Series
Map date: **1881**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S



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Production date: 16 October 2018

Map legend available at:
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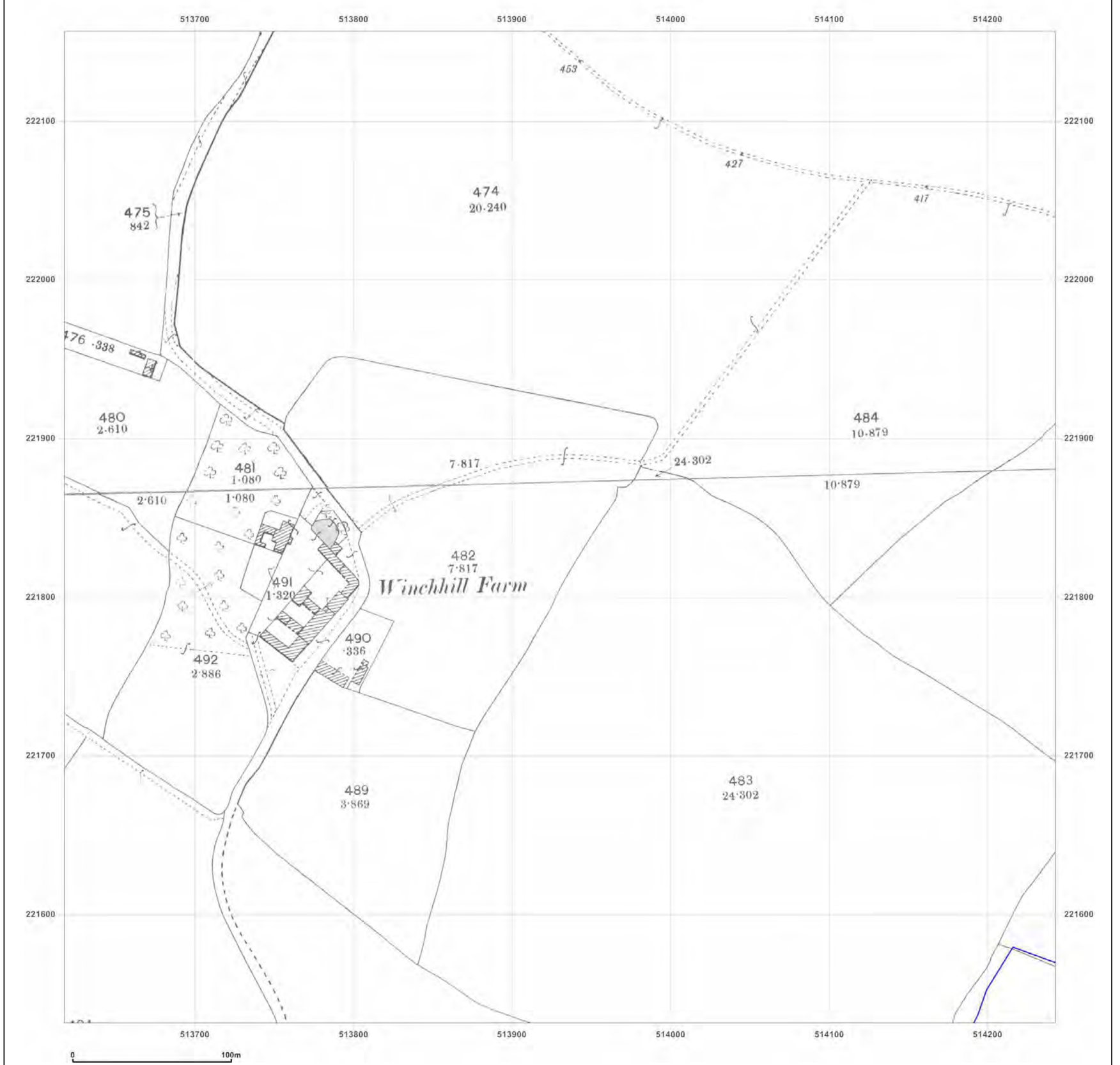

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: County Series
Map date: **1898**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
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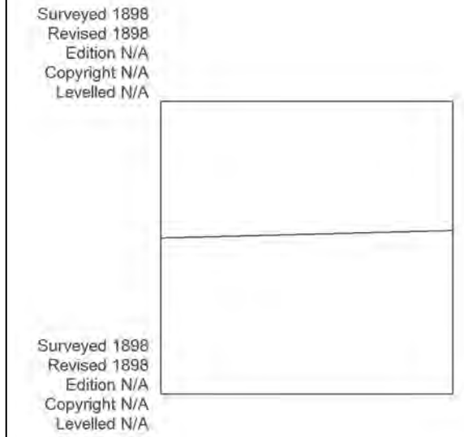

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Production date: 16 October 2018

Map legend available at:
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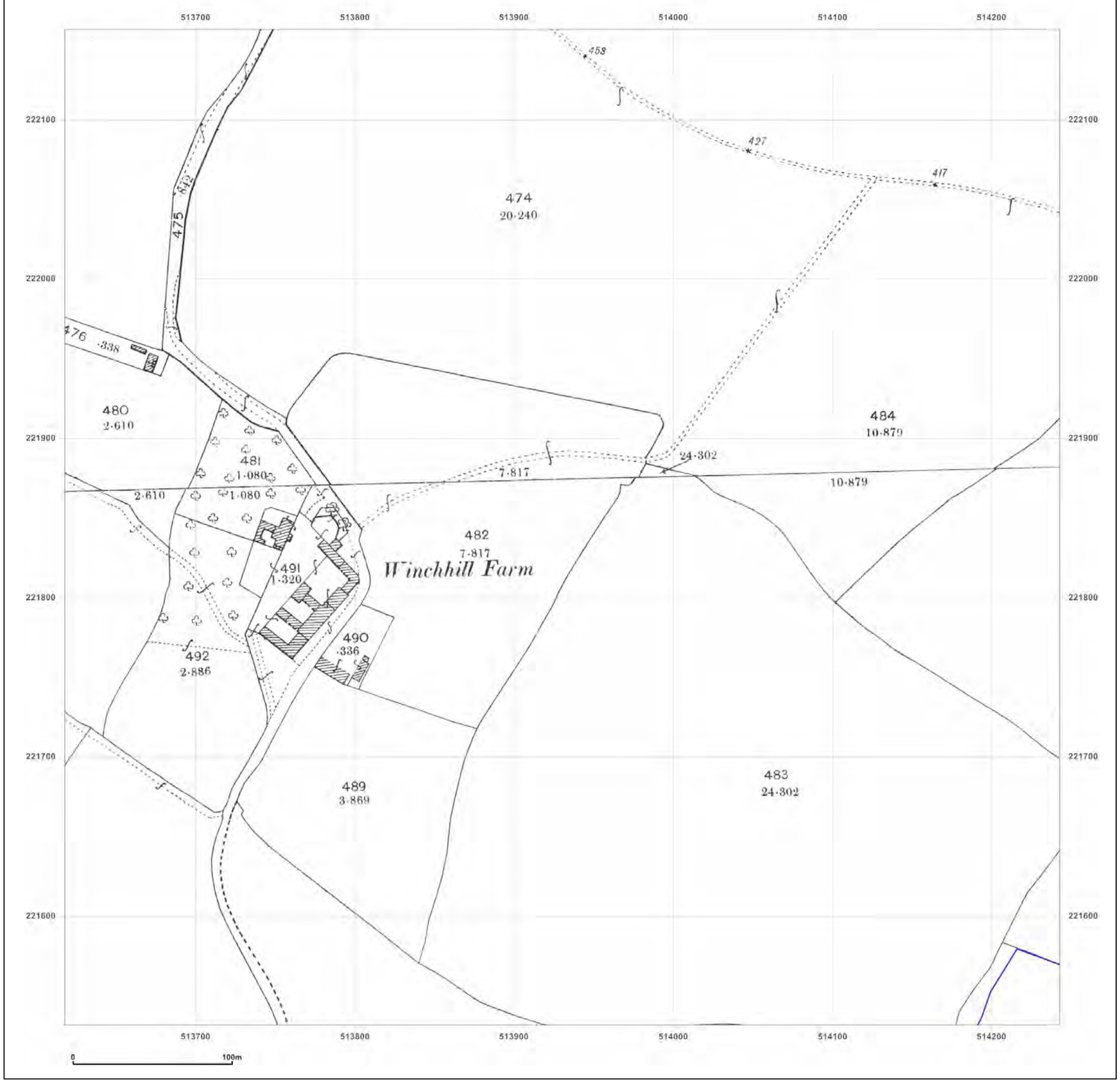

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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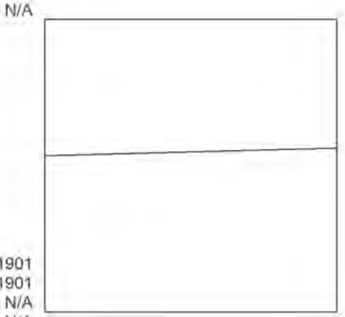
Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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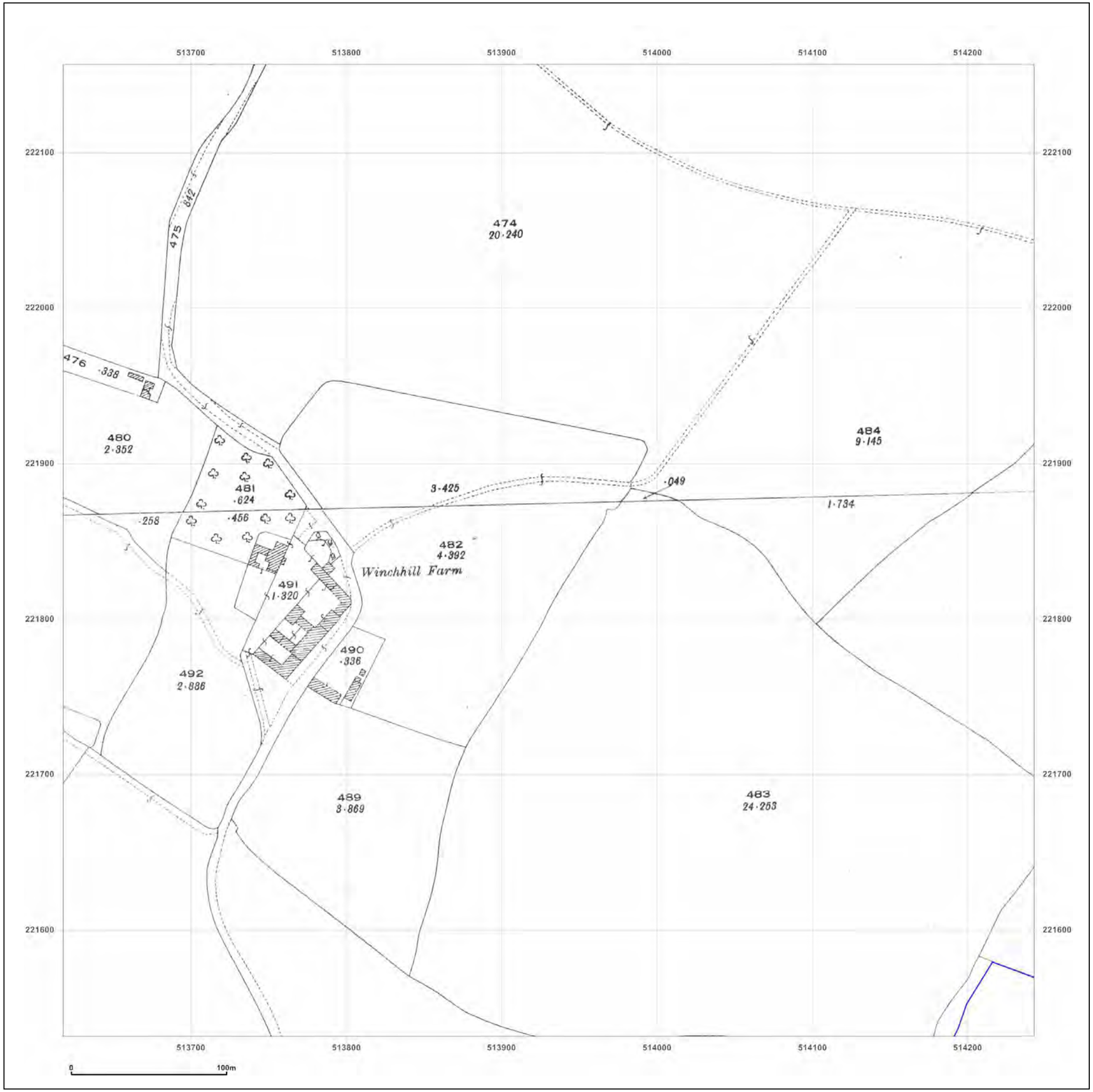

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

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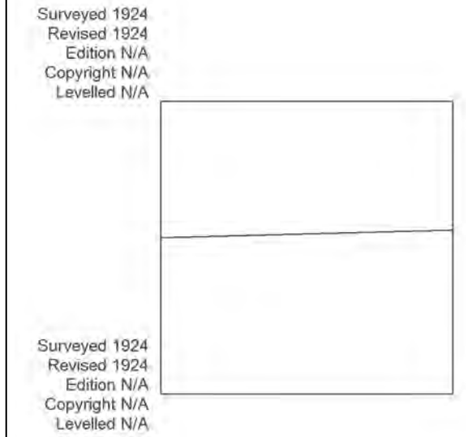

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Production date: 16 October 2018

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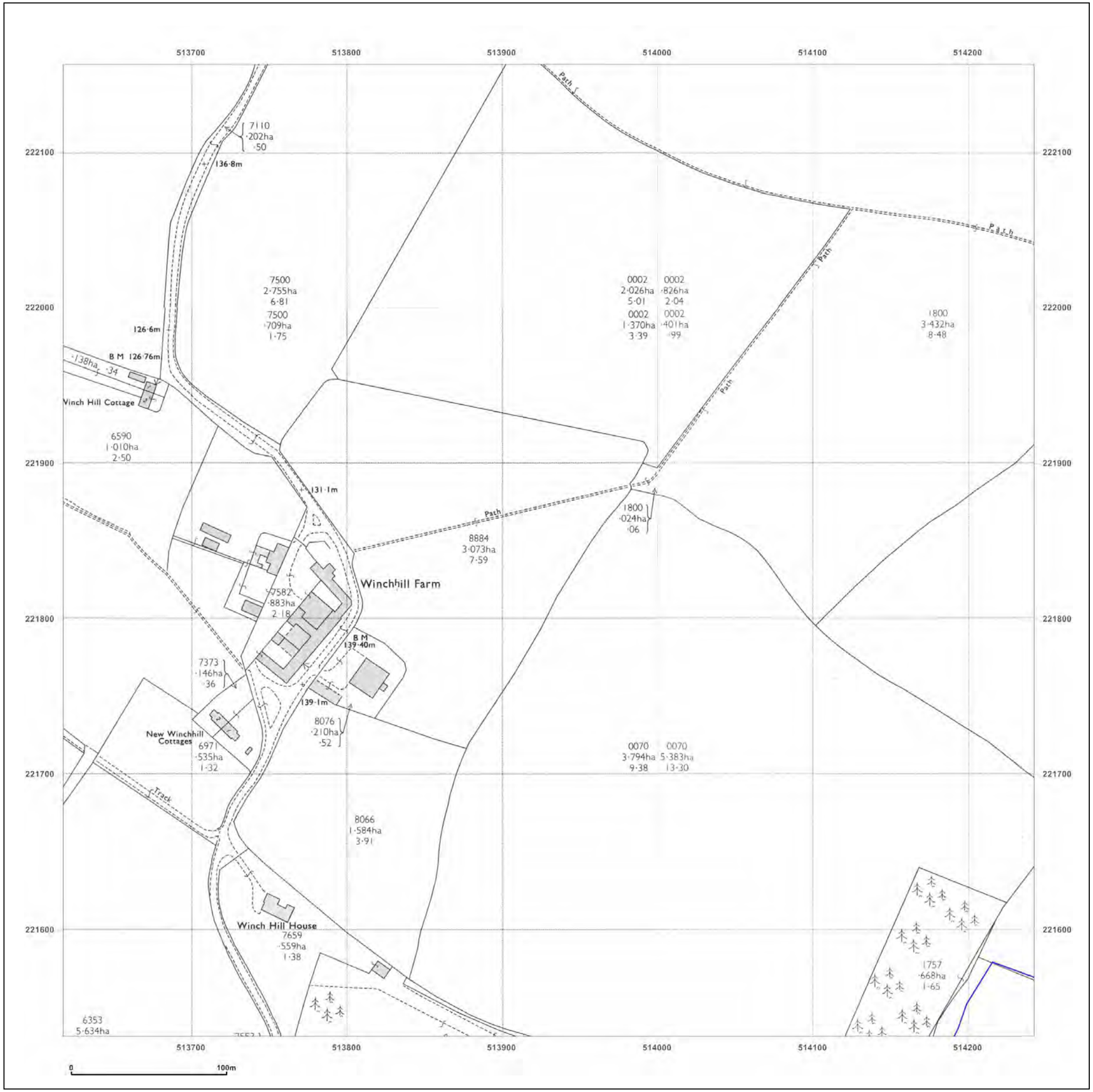

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

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T: 08444 159000
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Production date: 16 October 2018

Map legend available at:
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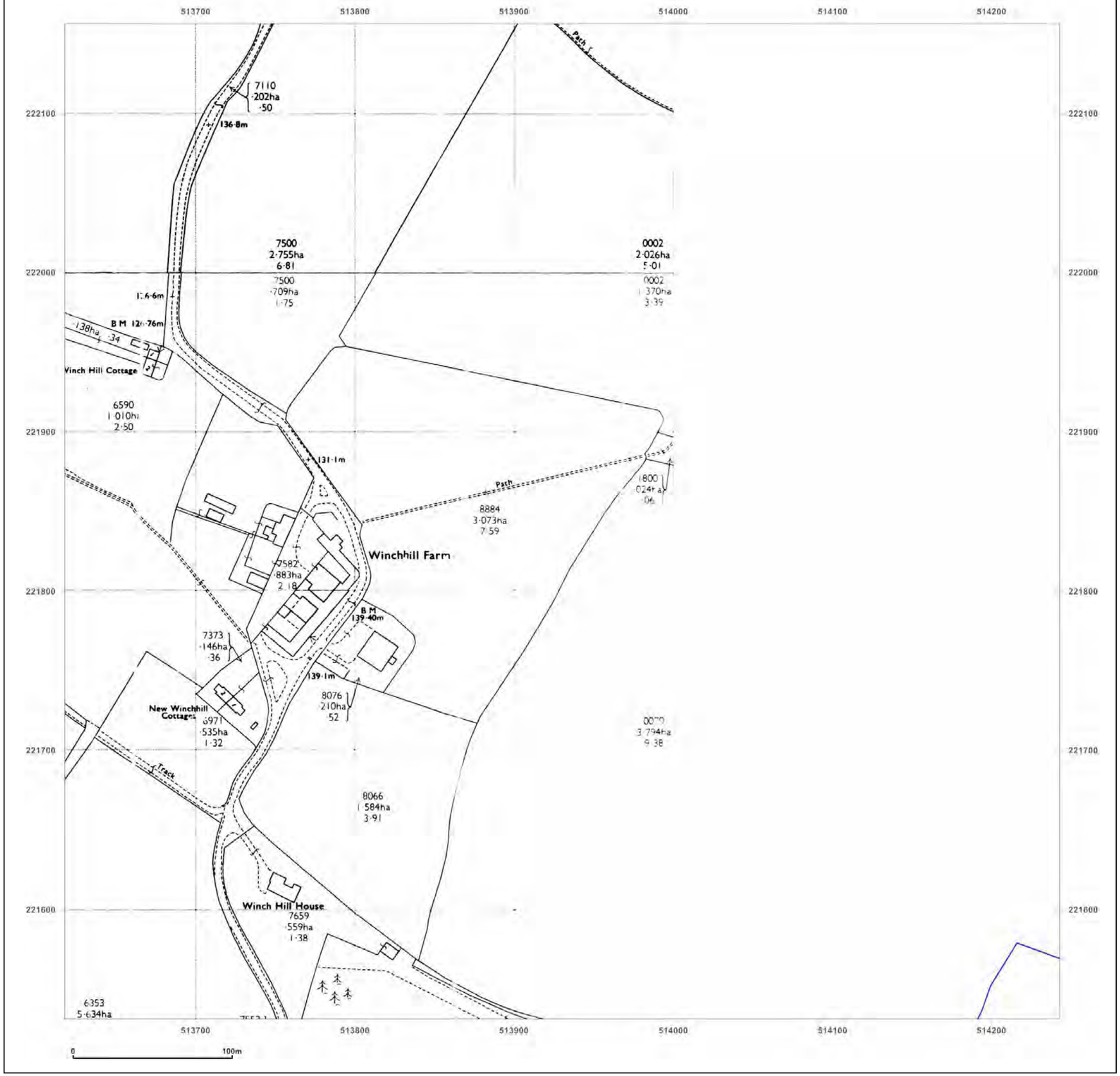

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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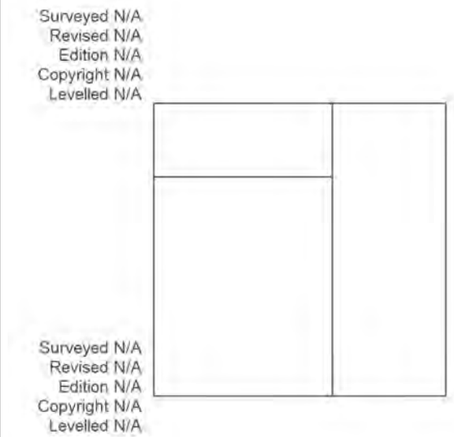

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Production date: 16 October 2018

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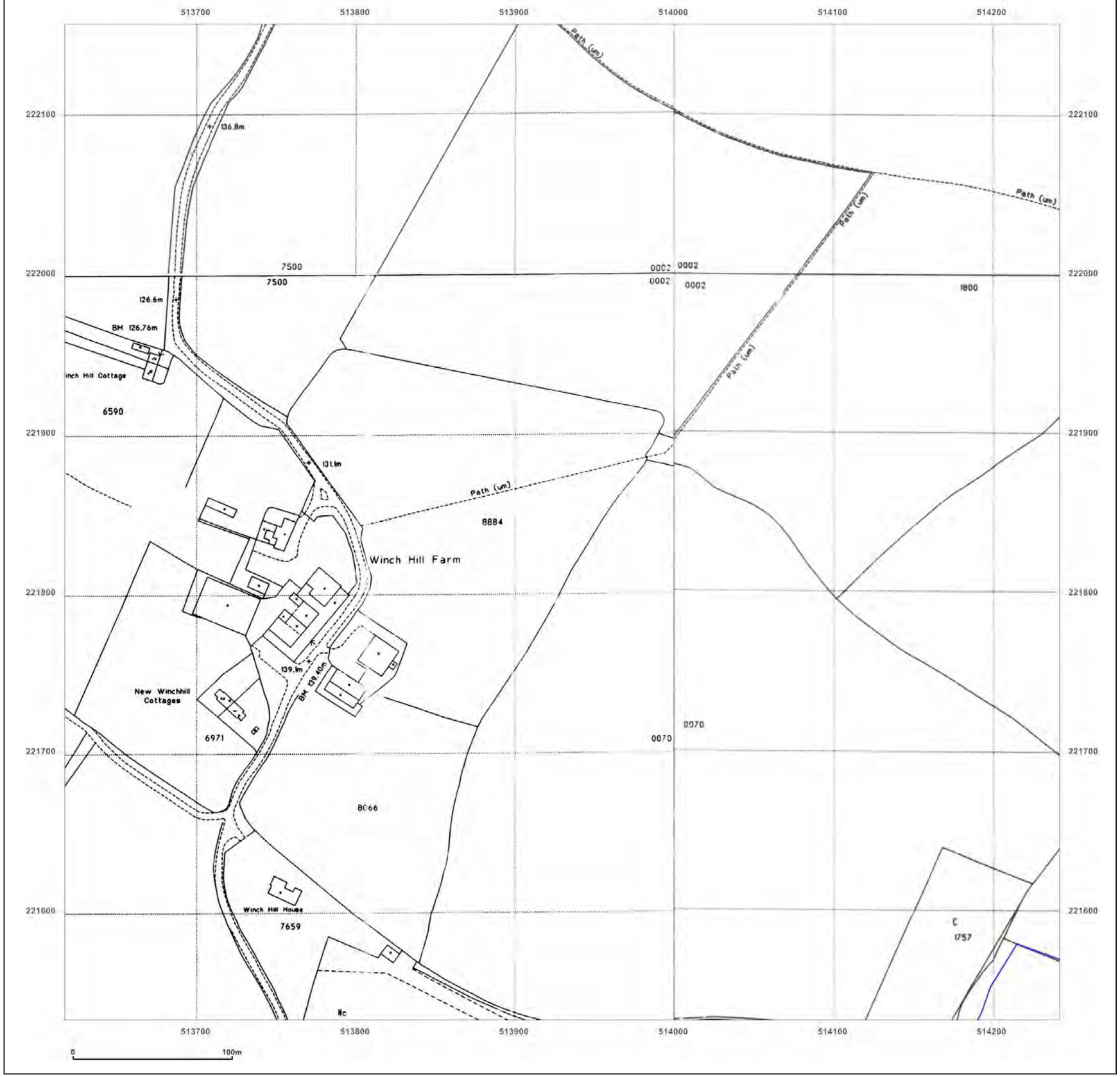

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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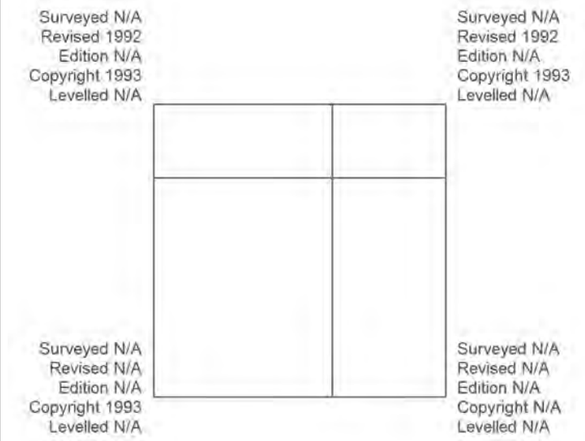

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Production date: 16 October 2018

Map legend available at:
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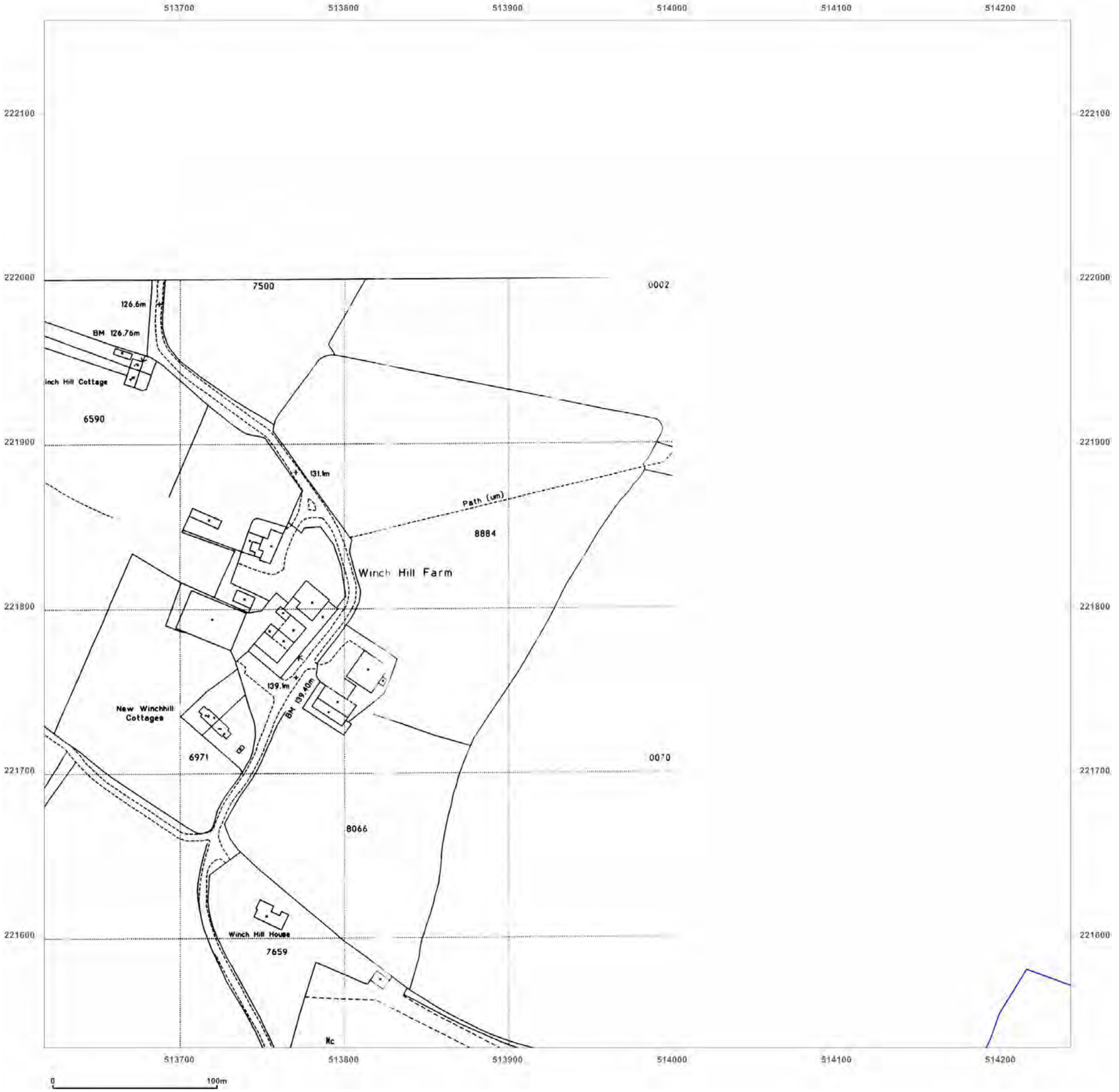

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

Map Name: National Grid
Map date: **1993**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
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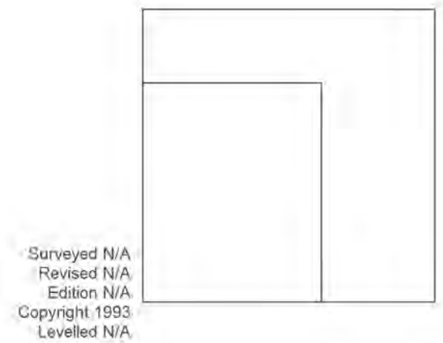

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Production date: 16 October 2018

Map legend available at:
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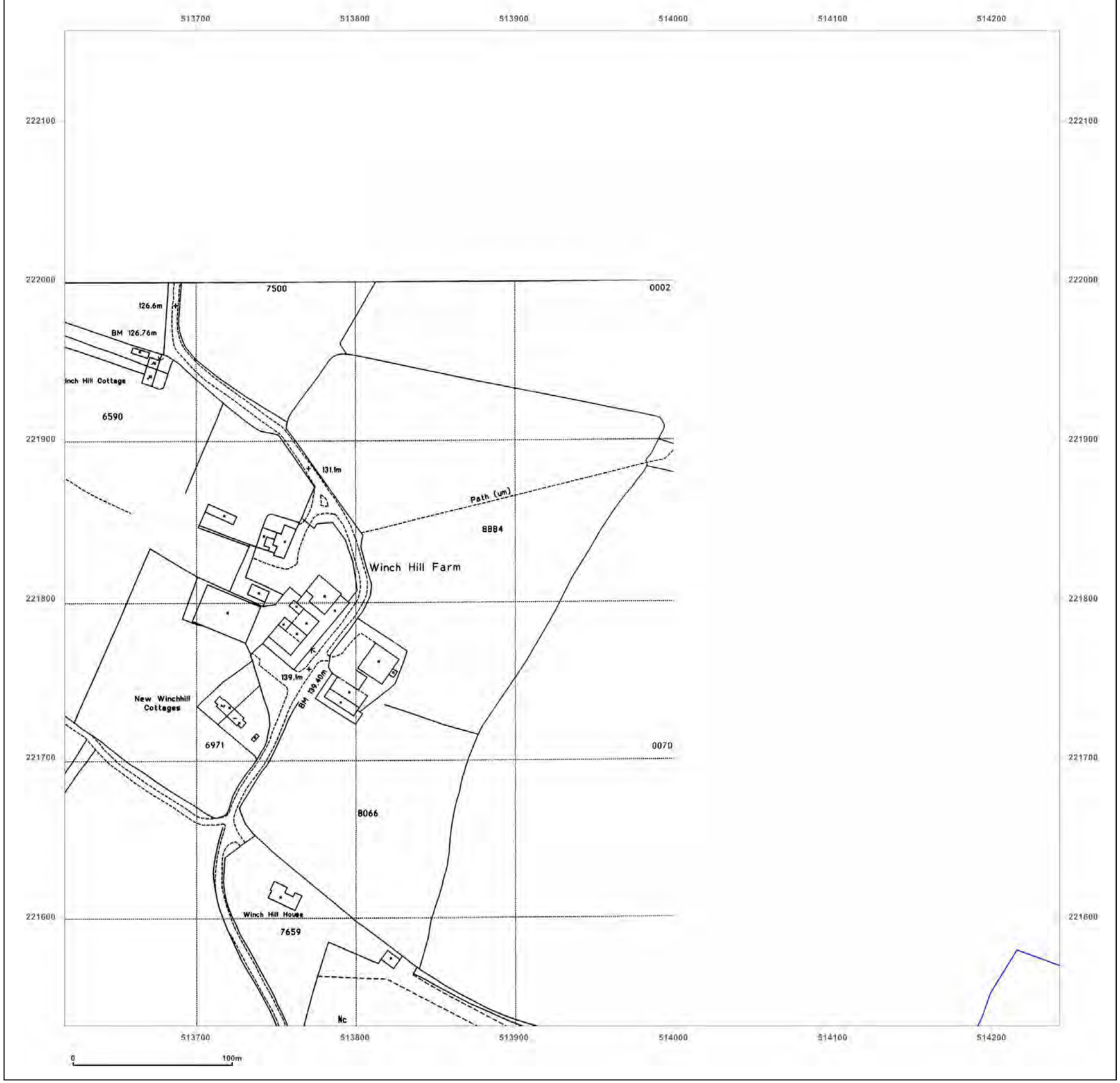


Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_2
Grid Ref: 513930, 221844

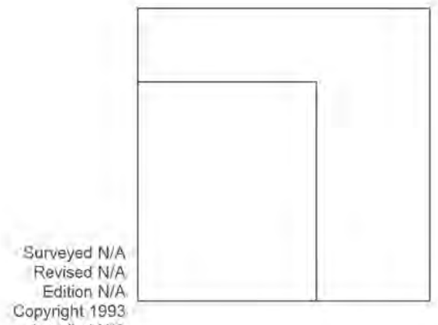
Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



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

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Production date: 16 October 2018

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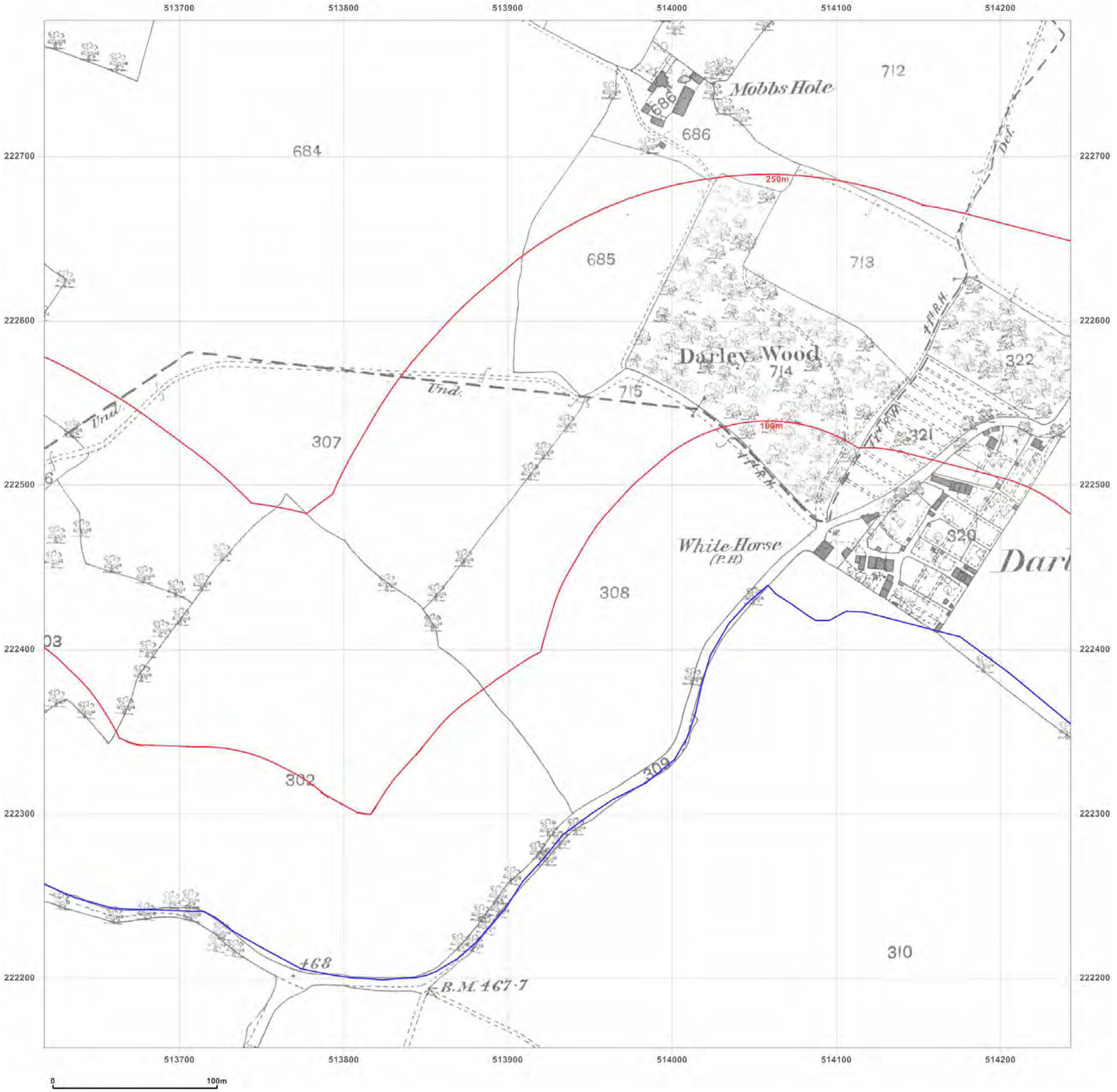

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: County Series

Map date: **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

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Production date: 16 October 2018

Map legend available at:
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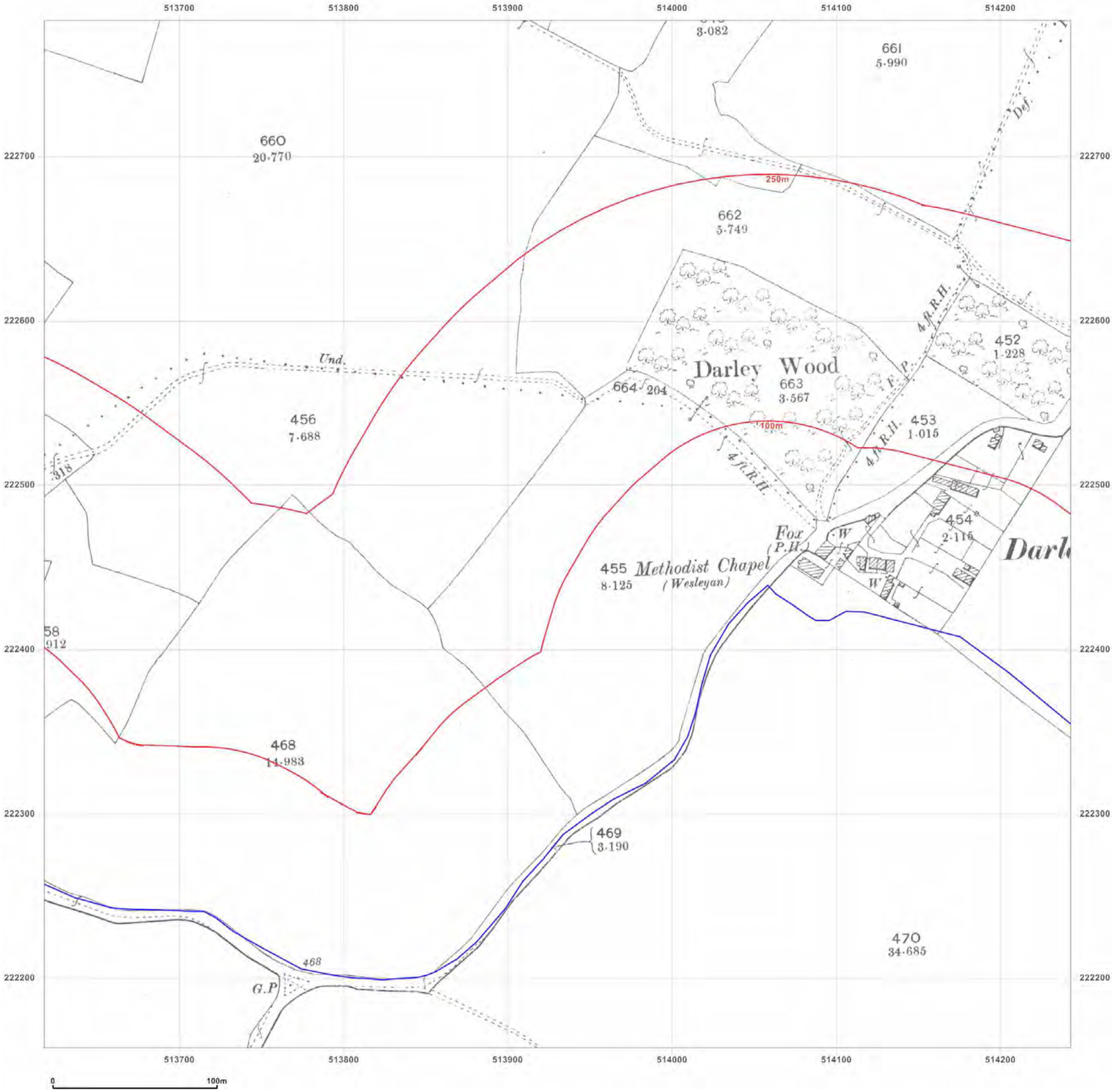

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: County Series
Map date: **1898**
Scale: 1:2,500
Printed at: 1:2,500

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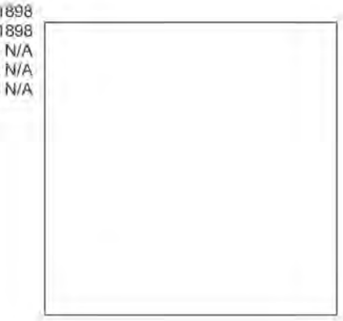
Surveyed 1898
Revised 1898
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 16 October 2018

Map legend available at:
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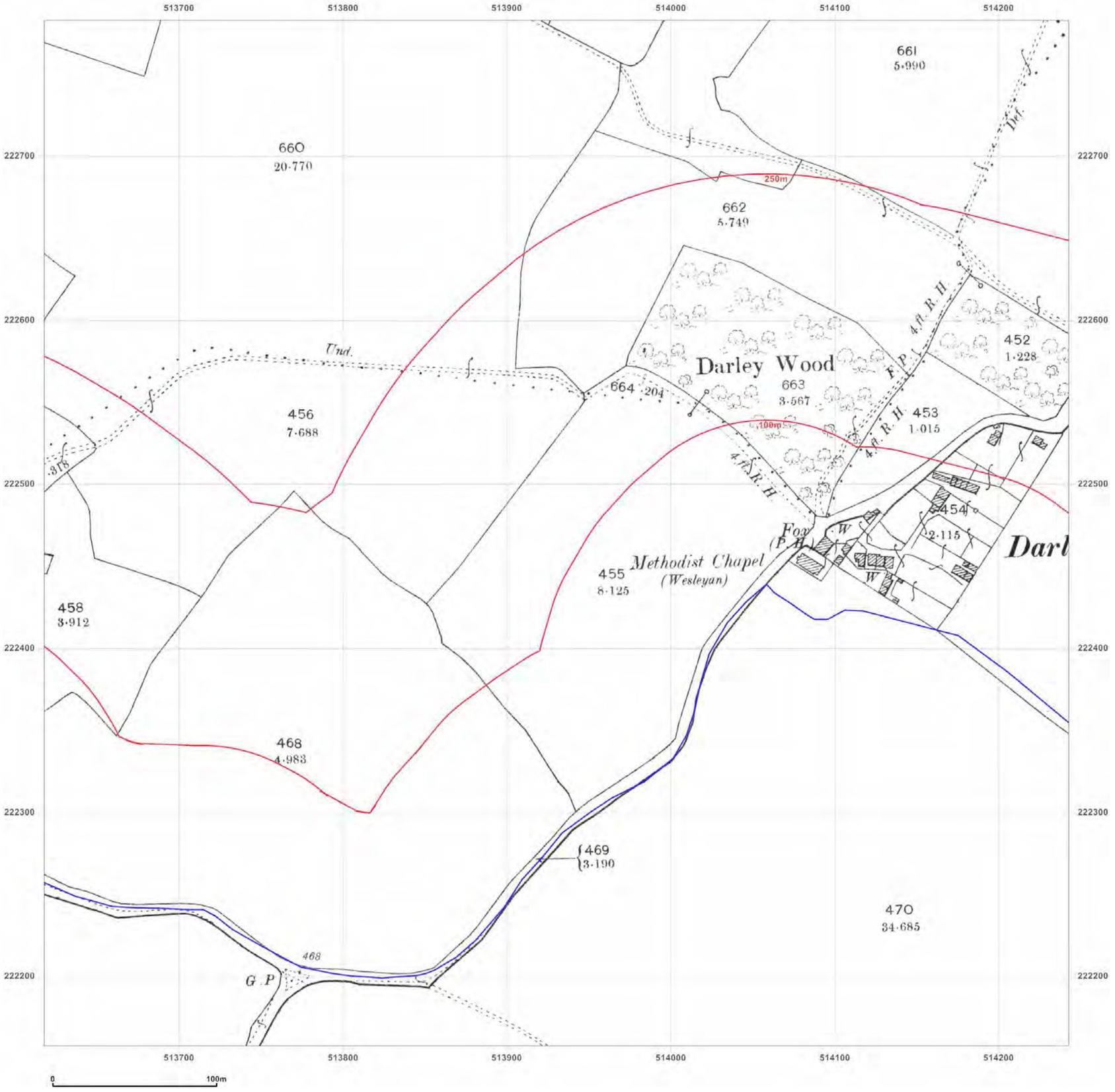

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1901
Revised 1901
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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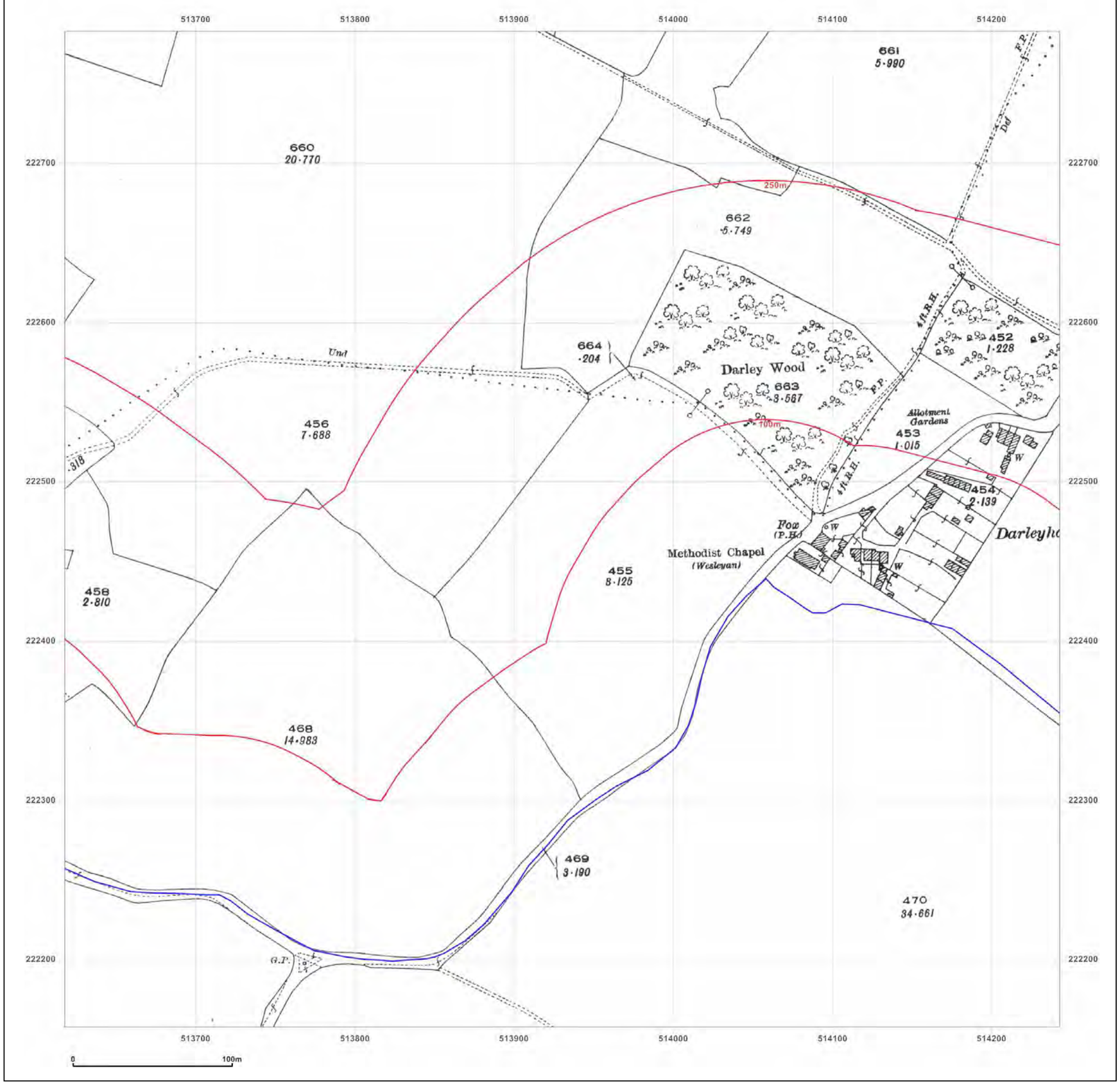

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 16 October 2018

Map legend available at:
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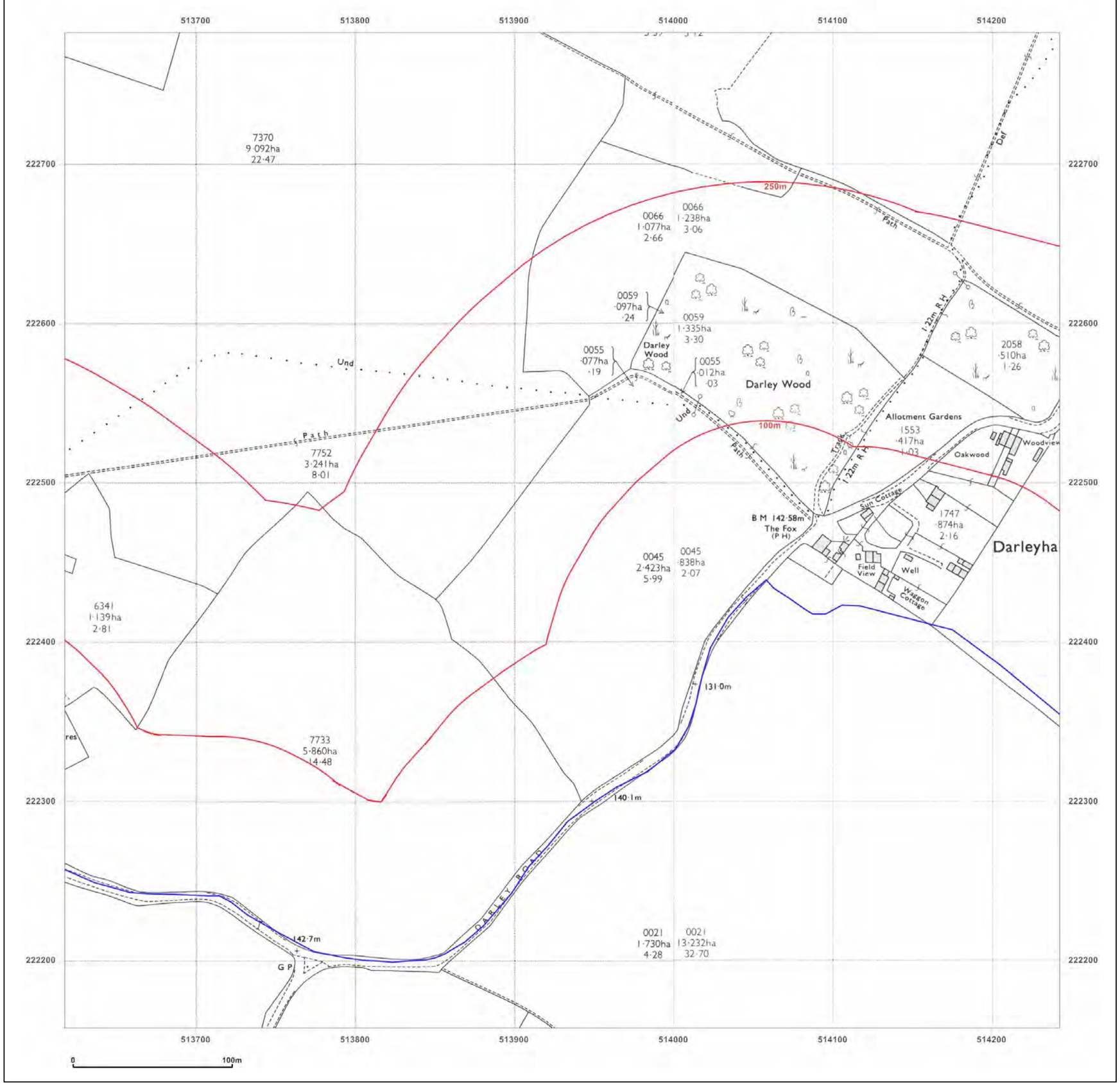

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
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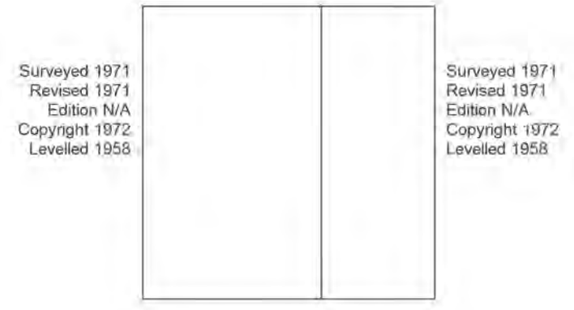

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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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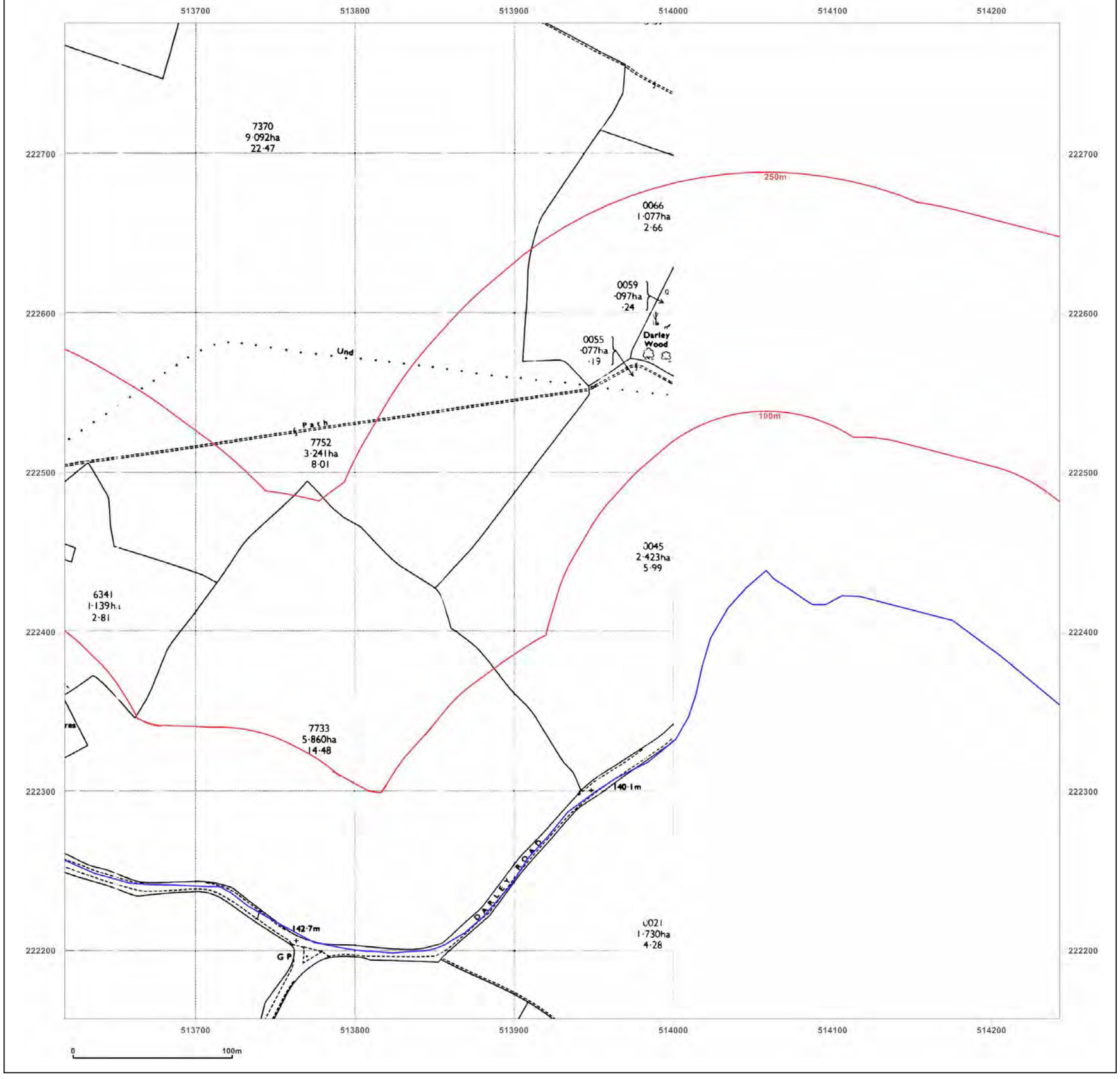

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: National Grid

Map date: **1972**

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

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T: 08444 159000
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Production date: 16 October 2018

Map legend available at:
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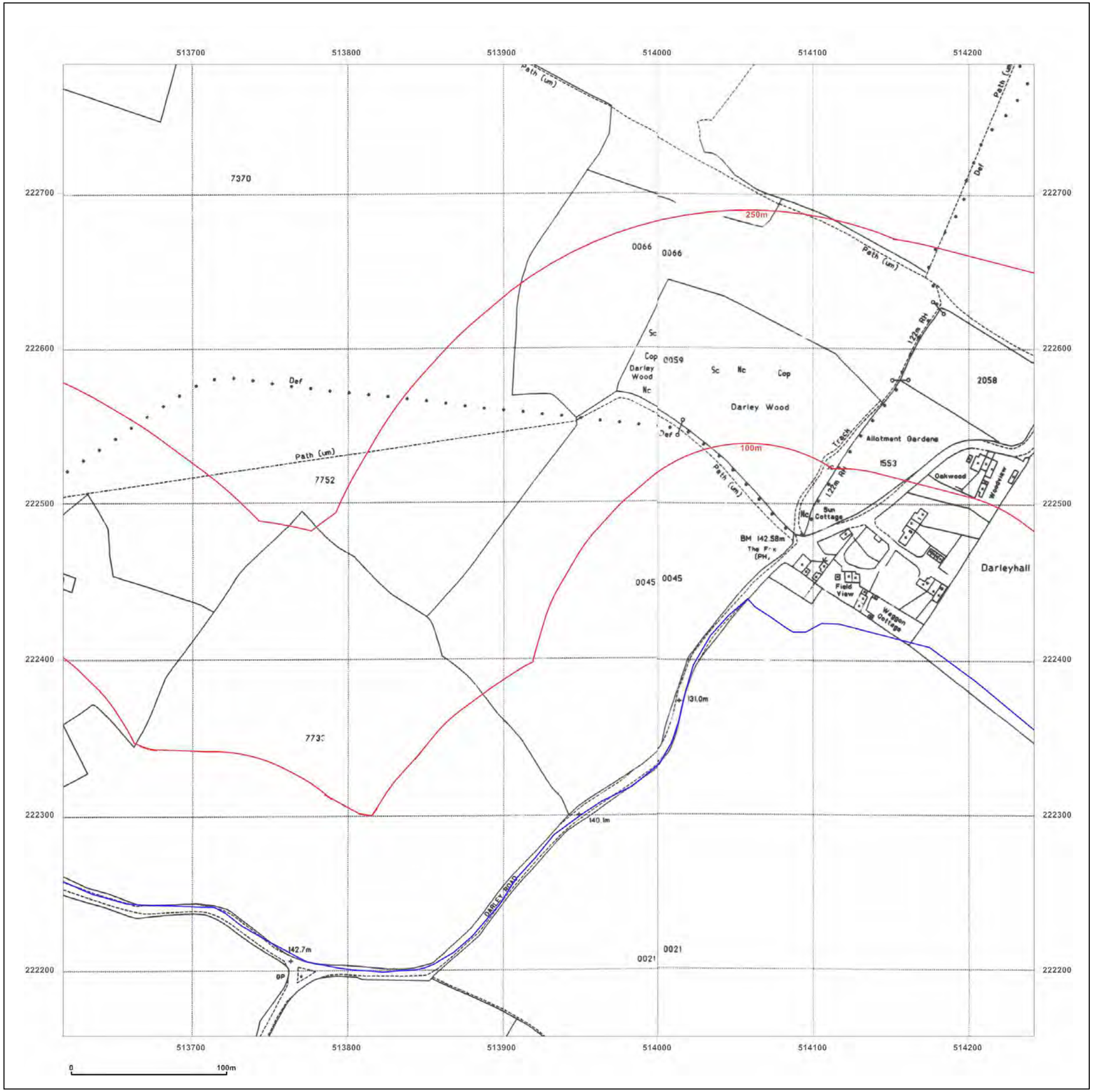

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_4_3
Grid Ref: 513930, 222470

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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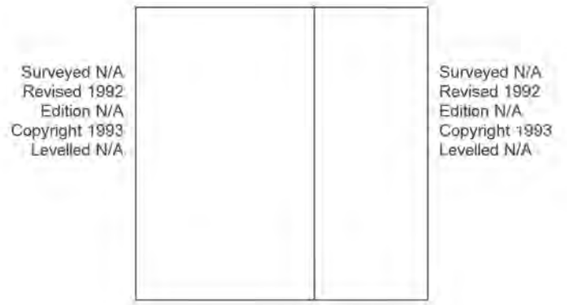
S



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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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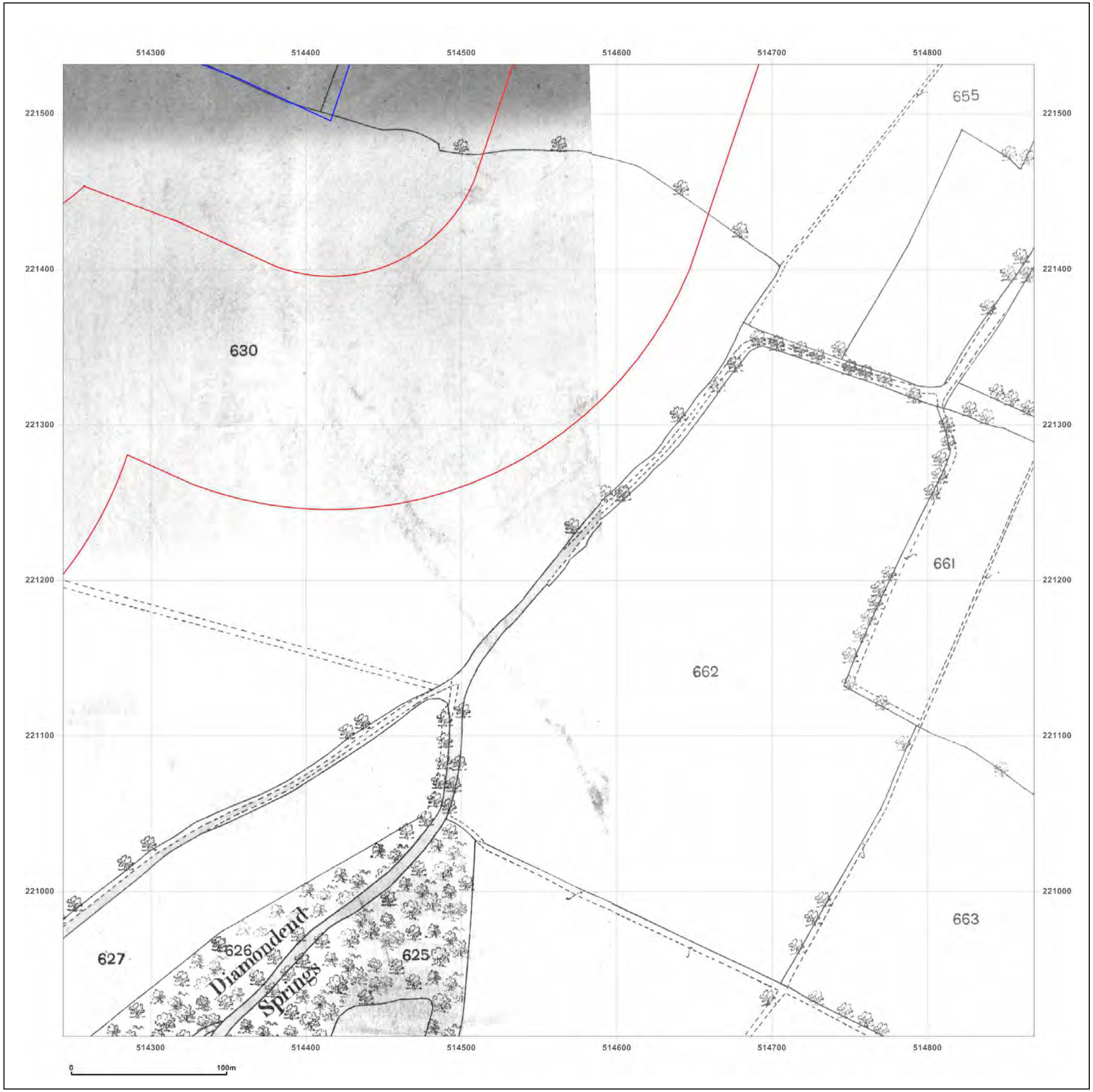

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_1
Grid Ref: 514556, 221219

Map Name: County Series

Map date: **1881**

Scale: 1:2,500

Printed at: 1:2,500

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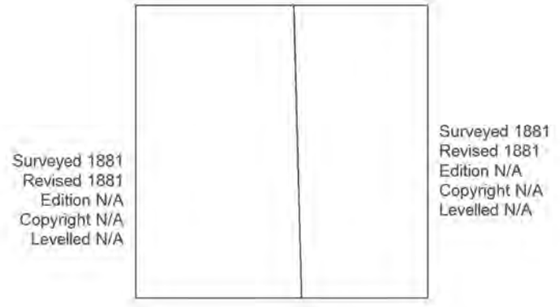

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Production date: 16 October 2018

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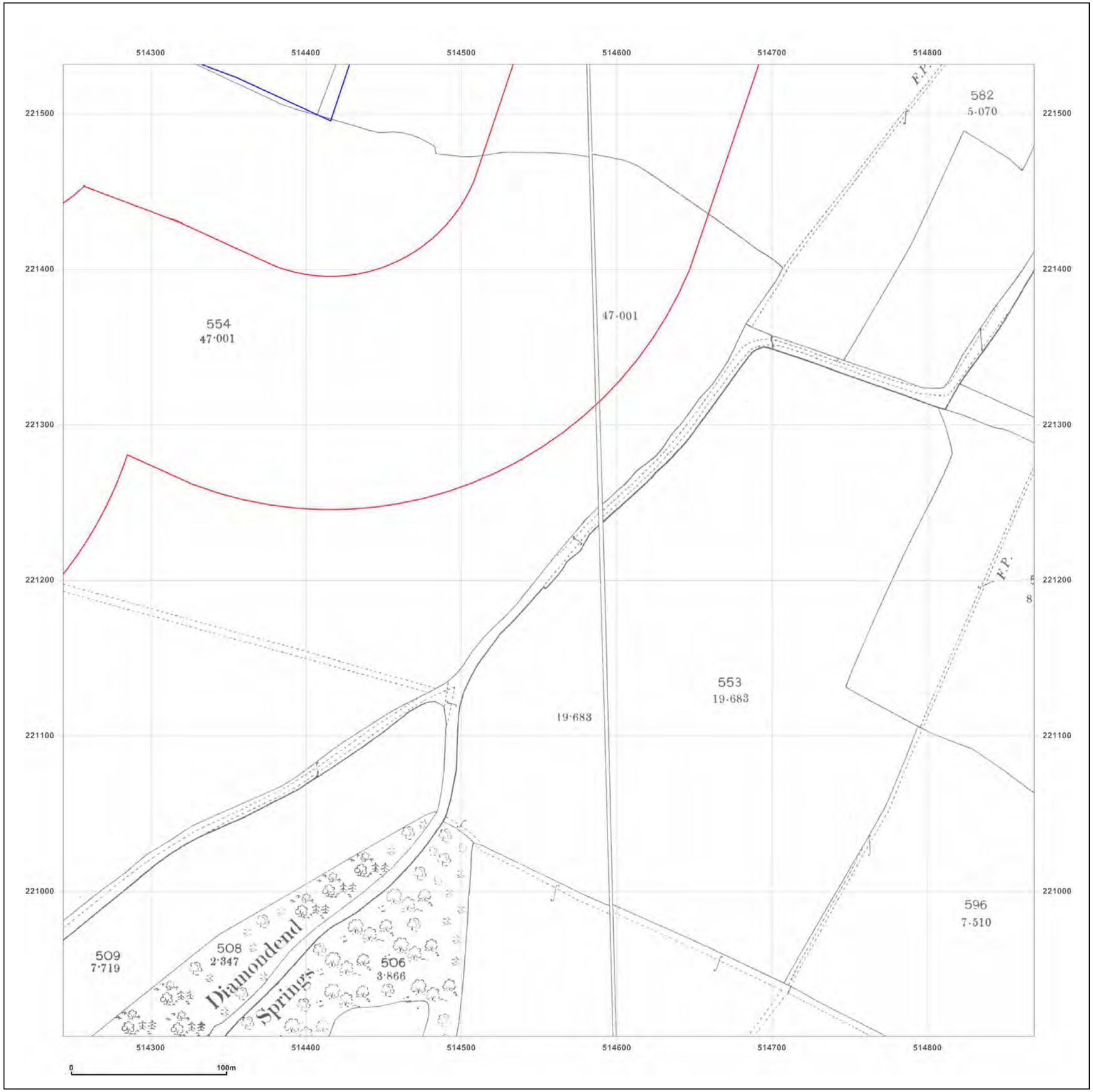

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_1
Grid Ref: 514556, 221219

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

N
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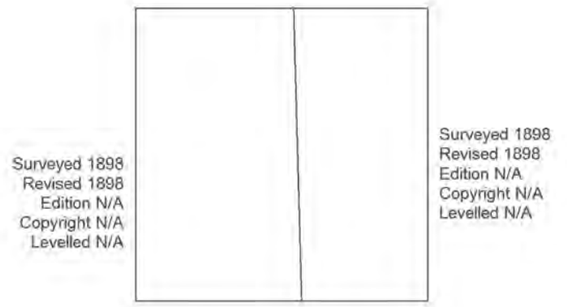

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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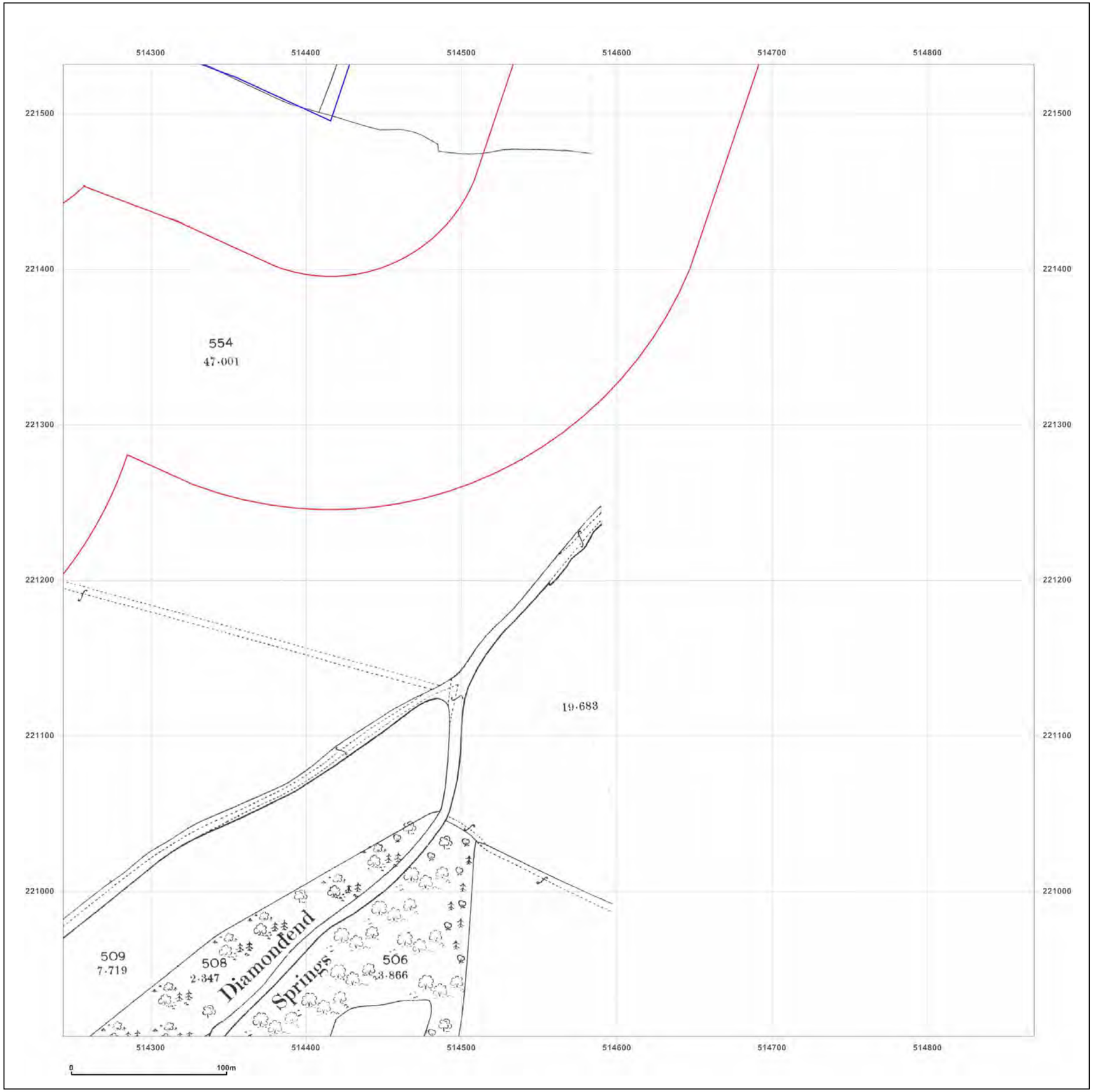

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_1
Grid Ref: 514556, 221219

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

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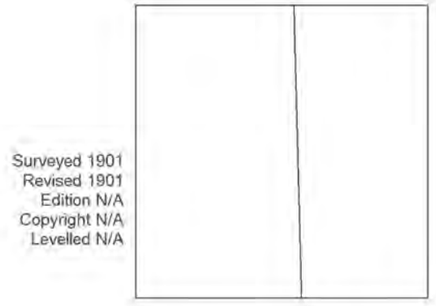

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T: 08444 159000
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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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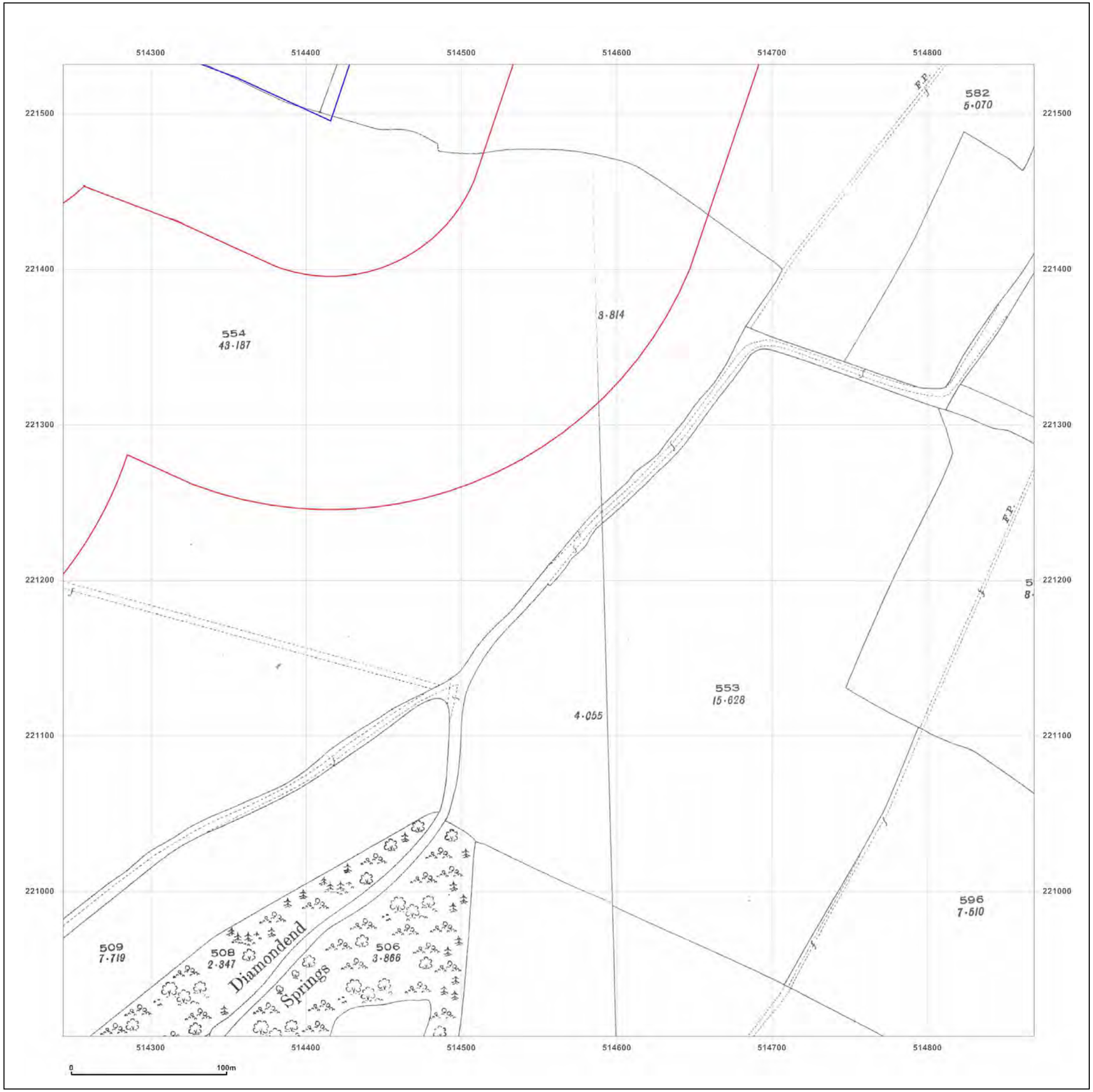

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_1
Grid Ref: 514556, 221219

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

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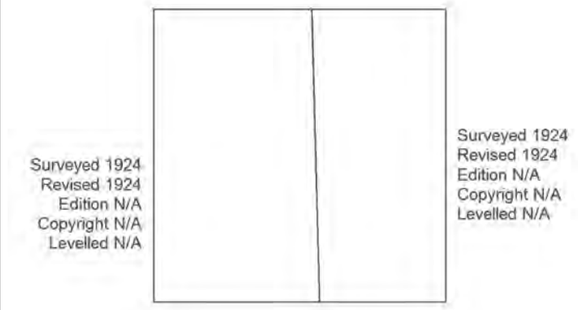

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Production date: 16 October 2018

Map legend available at:
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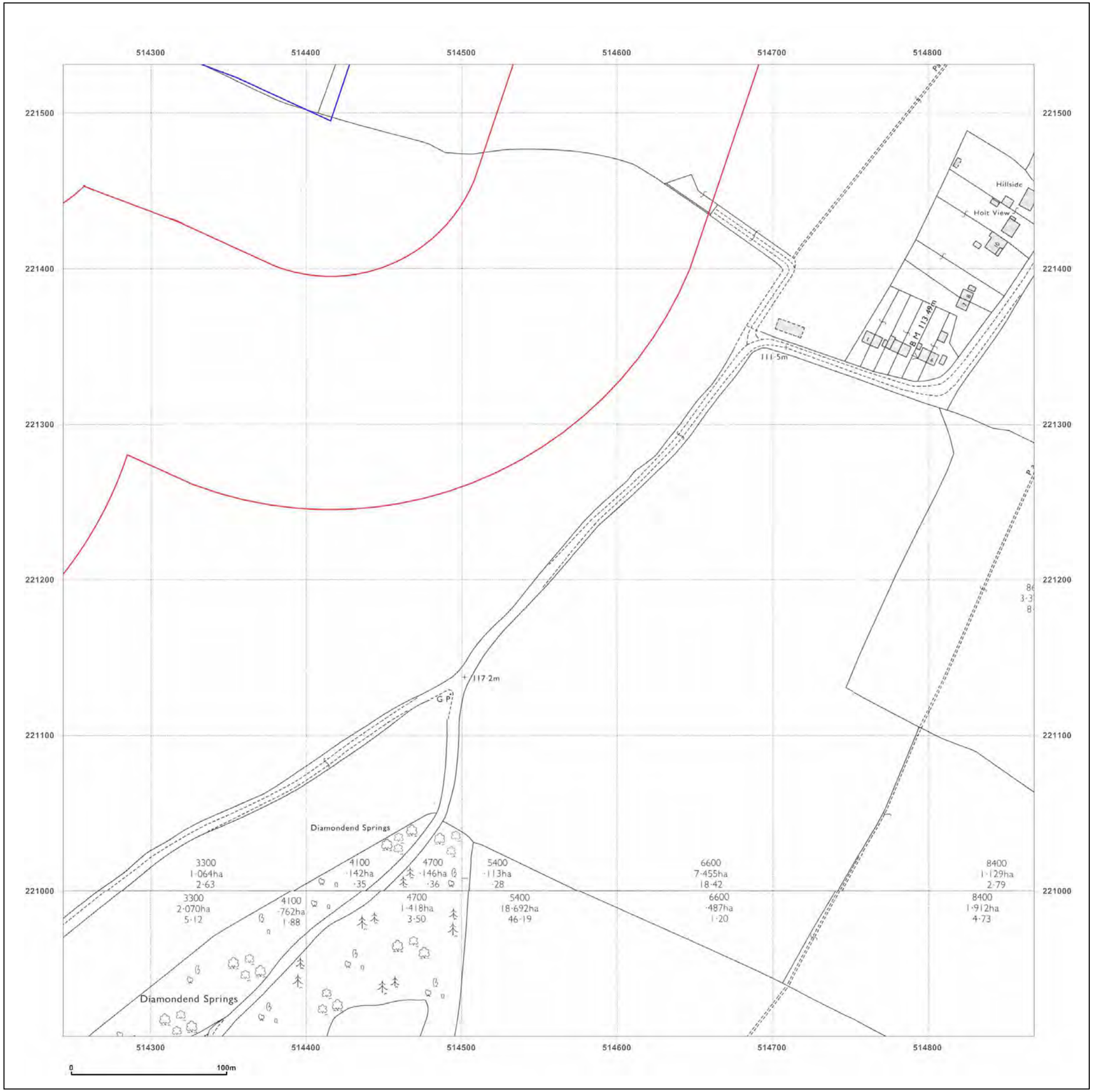

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_1
Grid Ref: 514556, 221219

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Surveyed 1971
Revised 1971
Edition N/A
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Production date: 16 October 2018

Map legend available at:
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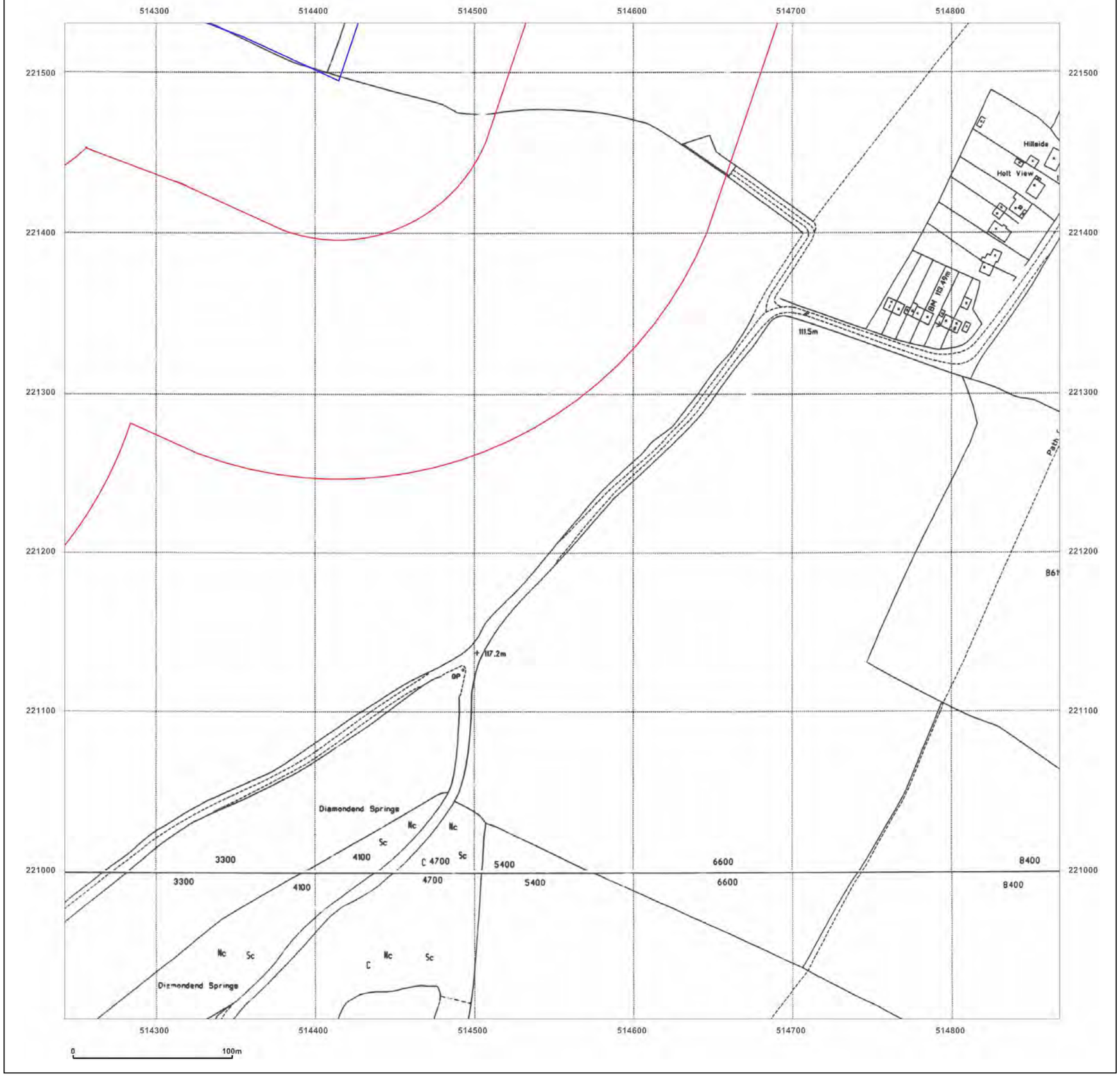

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_1
Grid Ref: 514556, 221219

Map Name: National Grid

Map date: **1993**

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

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Production date: 16 October 2018

Map legend available at:
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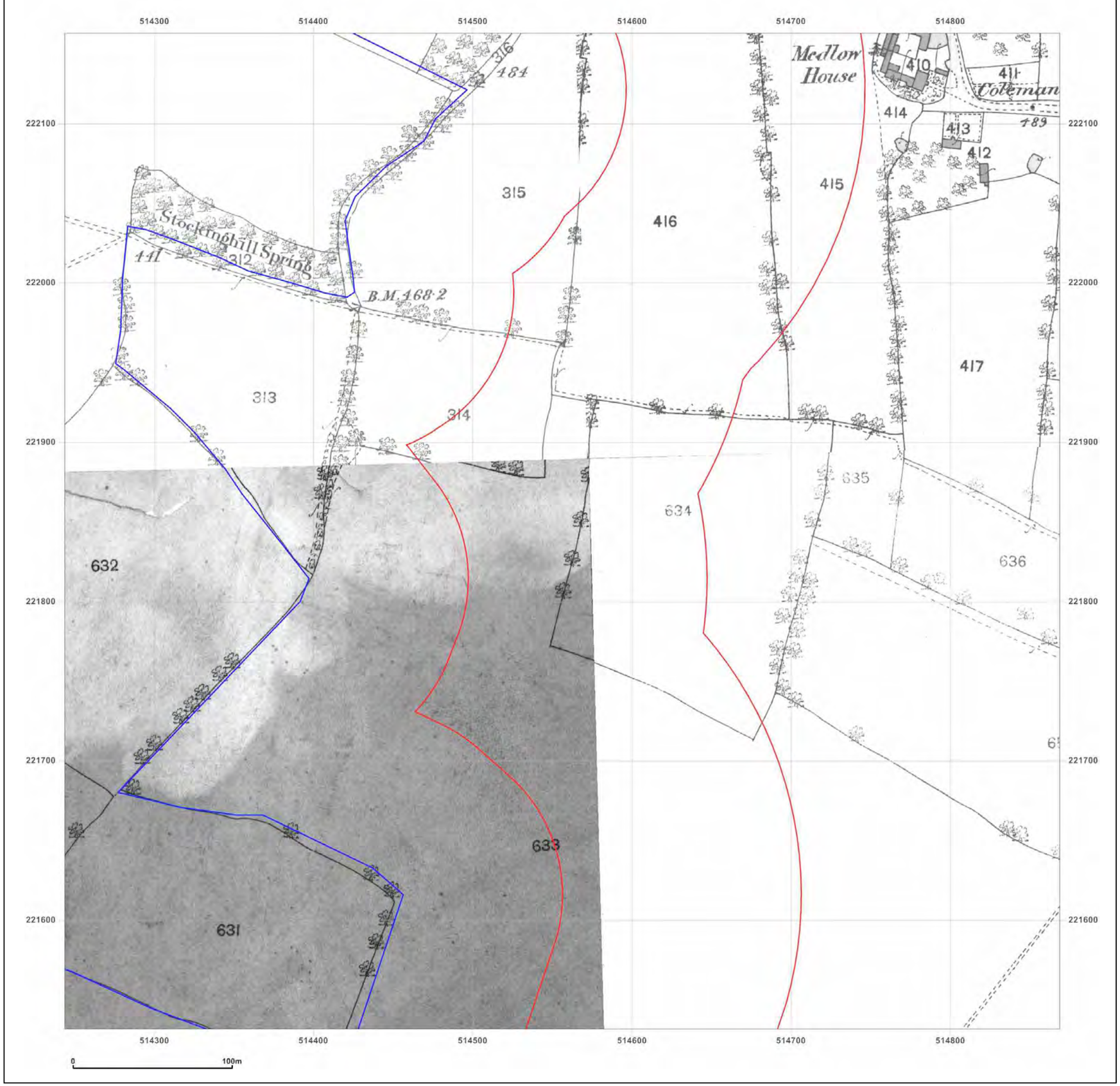

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_2
Grid Ref: 514556, 221844

Map Name: County Series

Map date: **1881**

Scale: 1:2,500

Printed at: 1:2,500

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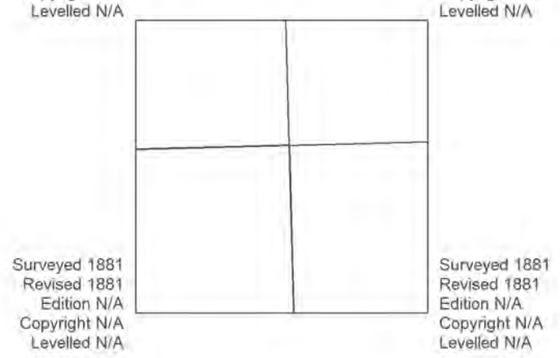

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T: 08444 159000
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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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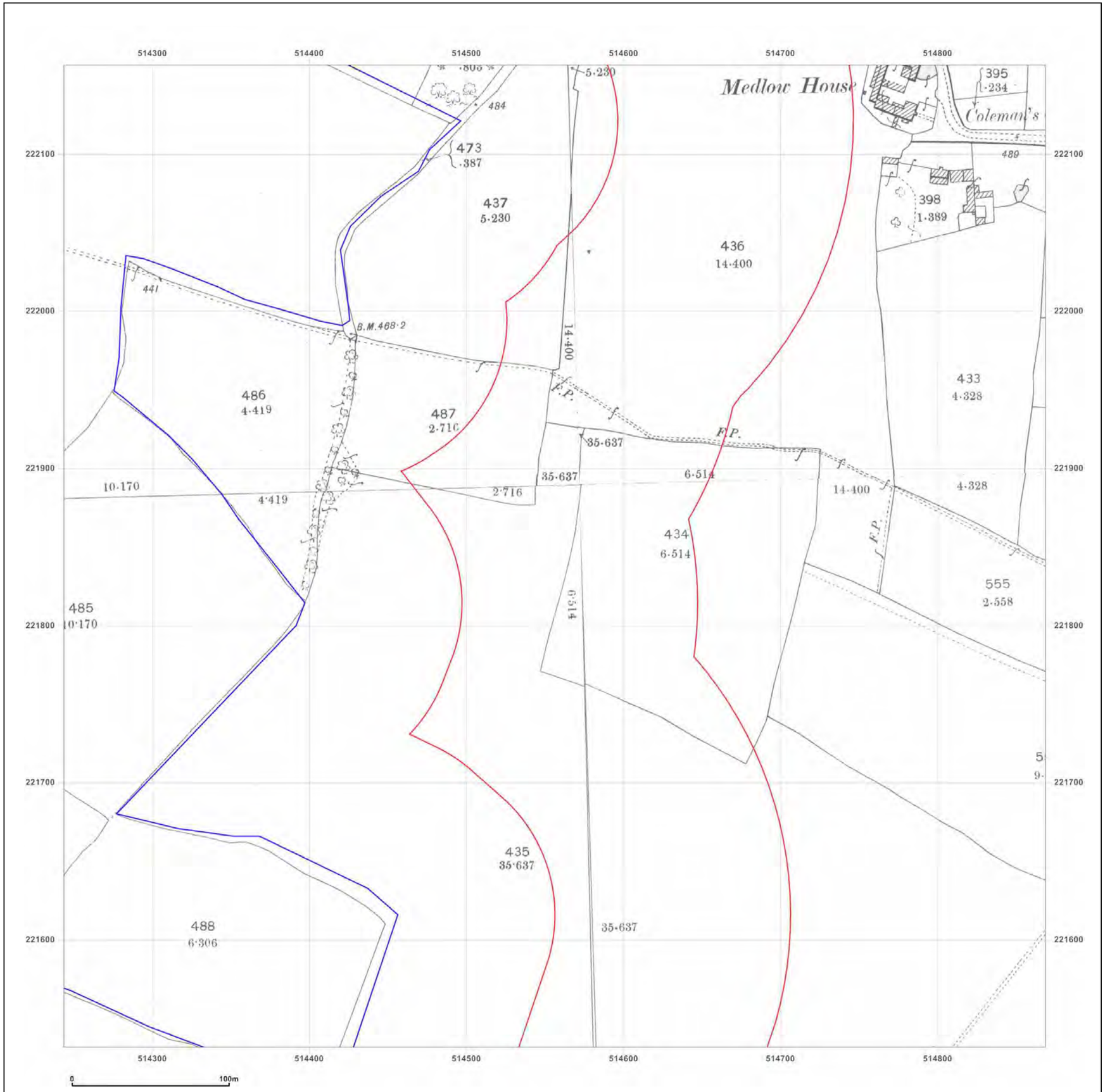

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_2
Grid Ref: 514556, 221844

Map Name: County Series
Map date: **1898**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
S

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

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

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

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

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W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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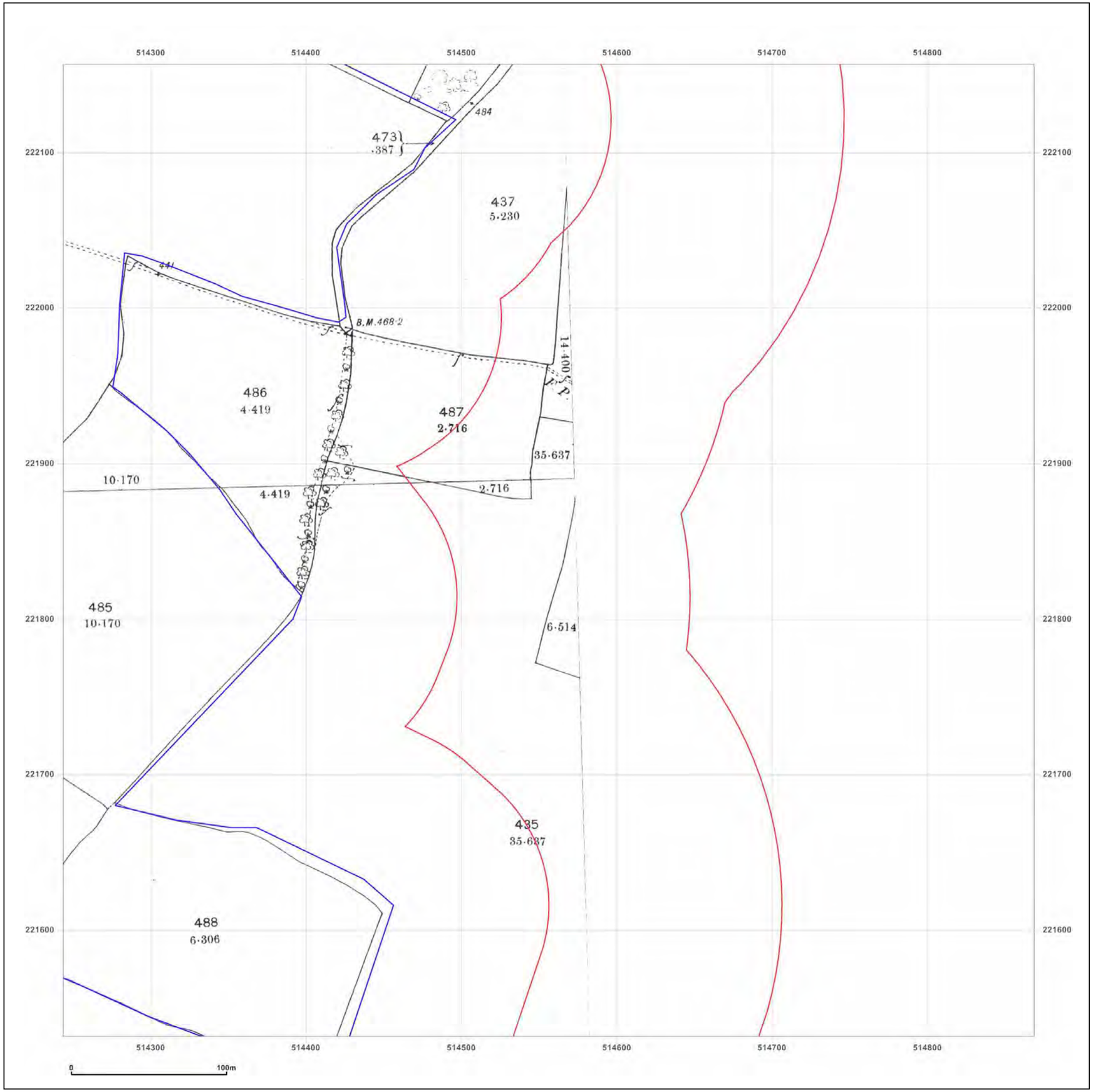

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_2
Grid Ref: 514556, 221844

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

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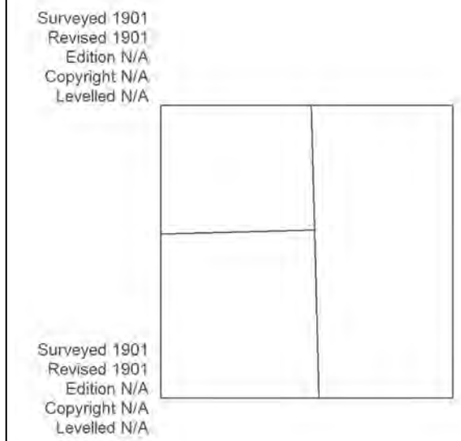

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Produced by
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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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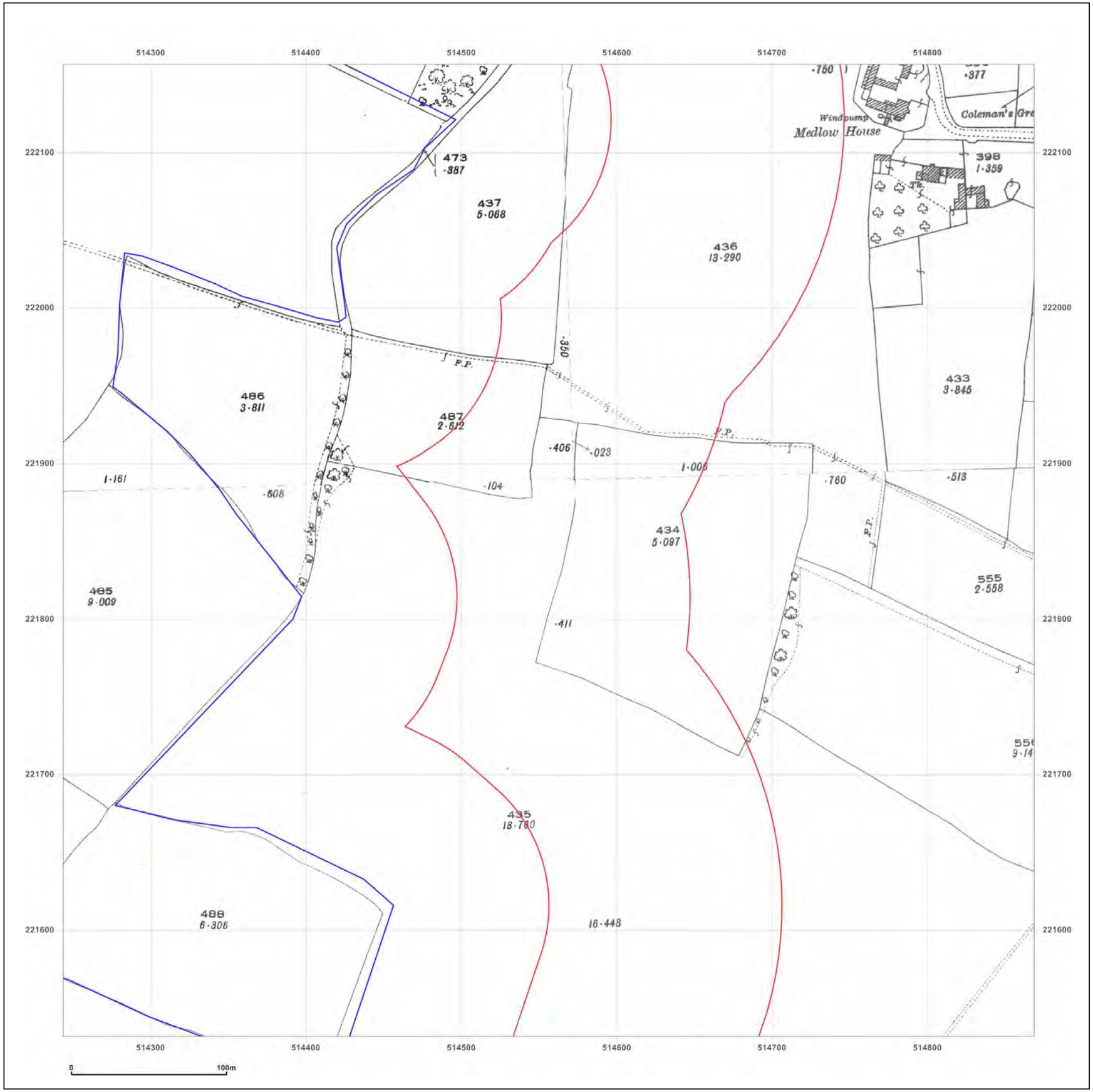

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_2
Grid Ref: 514556, 221844

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

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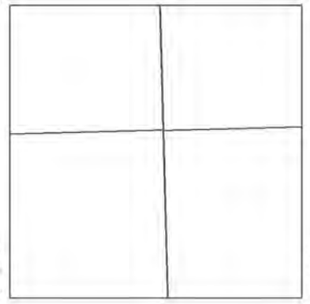
Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1924
Revised 1924
Edition N/A
Copyright N/A
Levelled N/A

Powered by

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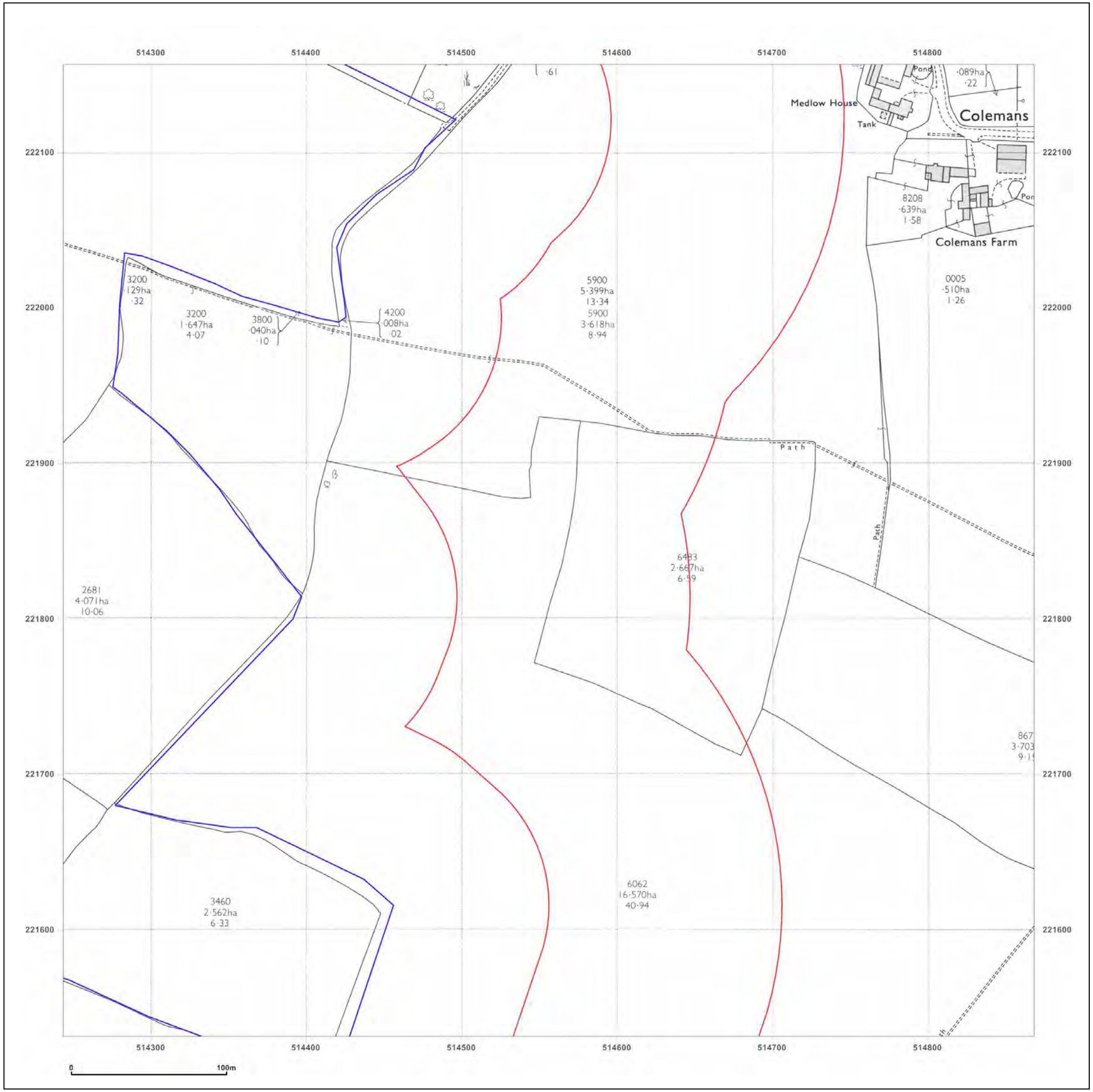
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_2
Grid Ref: 514556, 221844

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

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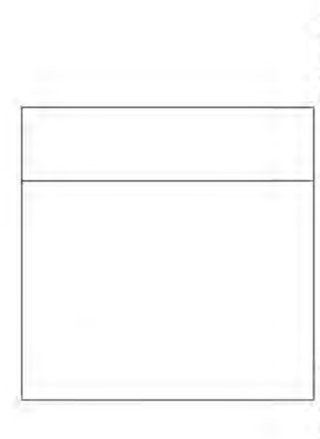
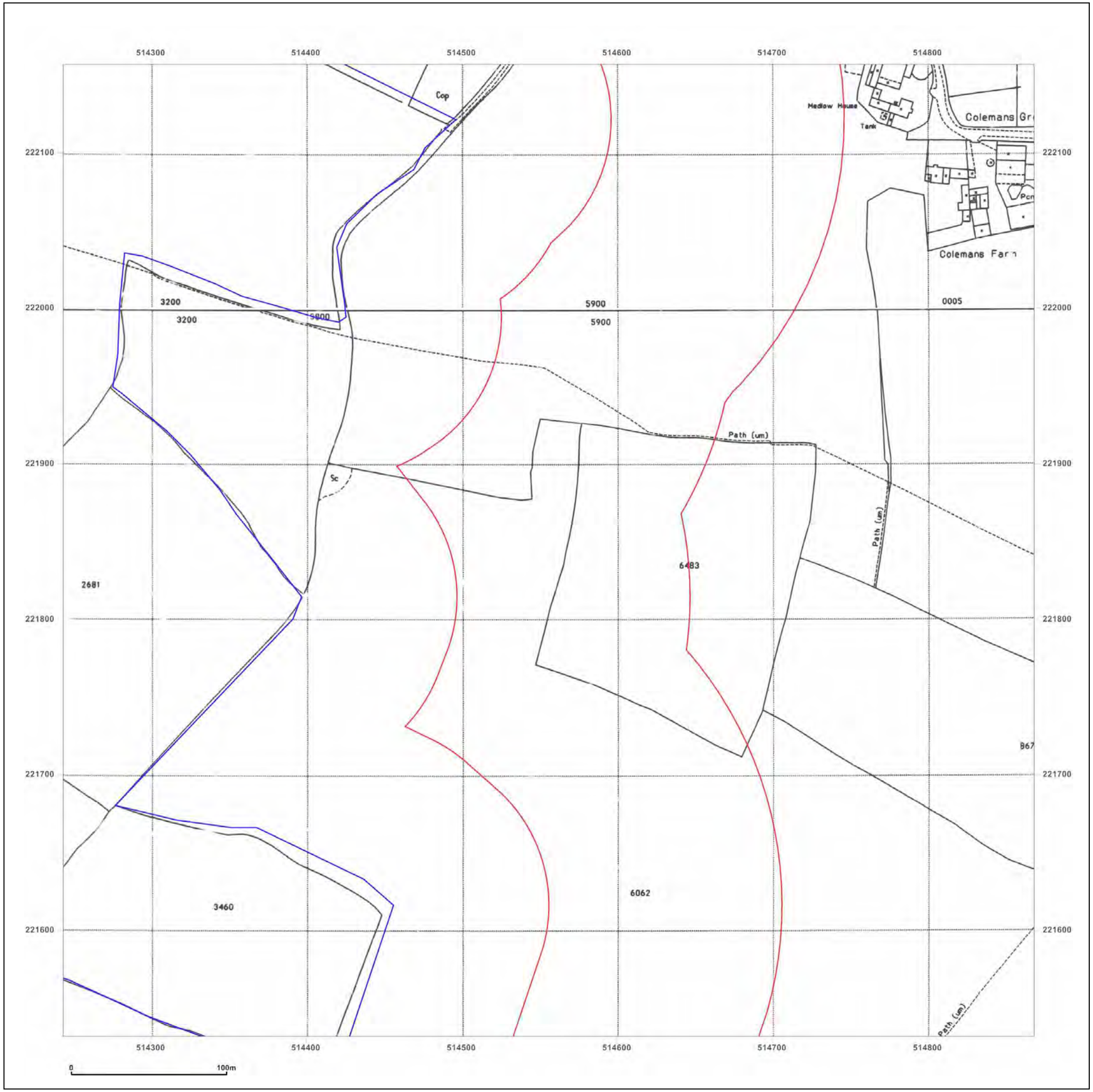


Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_2
Grid Ref: 514556, 221844

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed N/A
Revised 1992
Edition N/A
Copyright 1993
Levelled N/A

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

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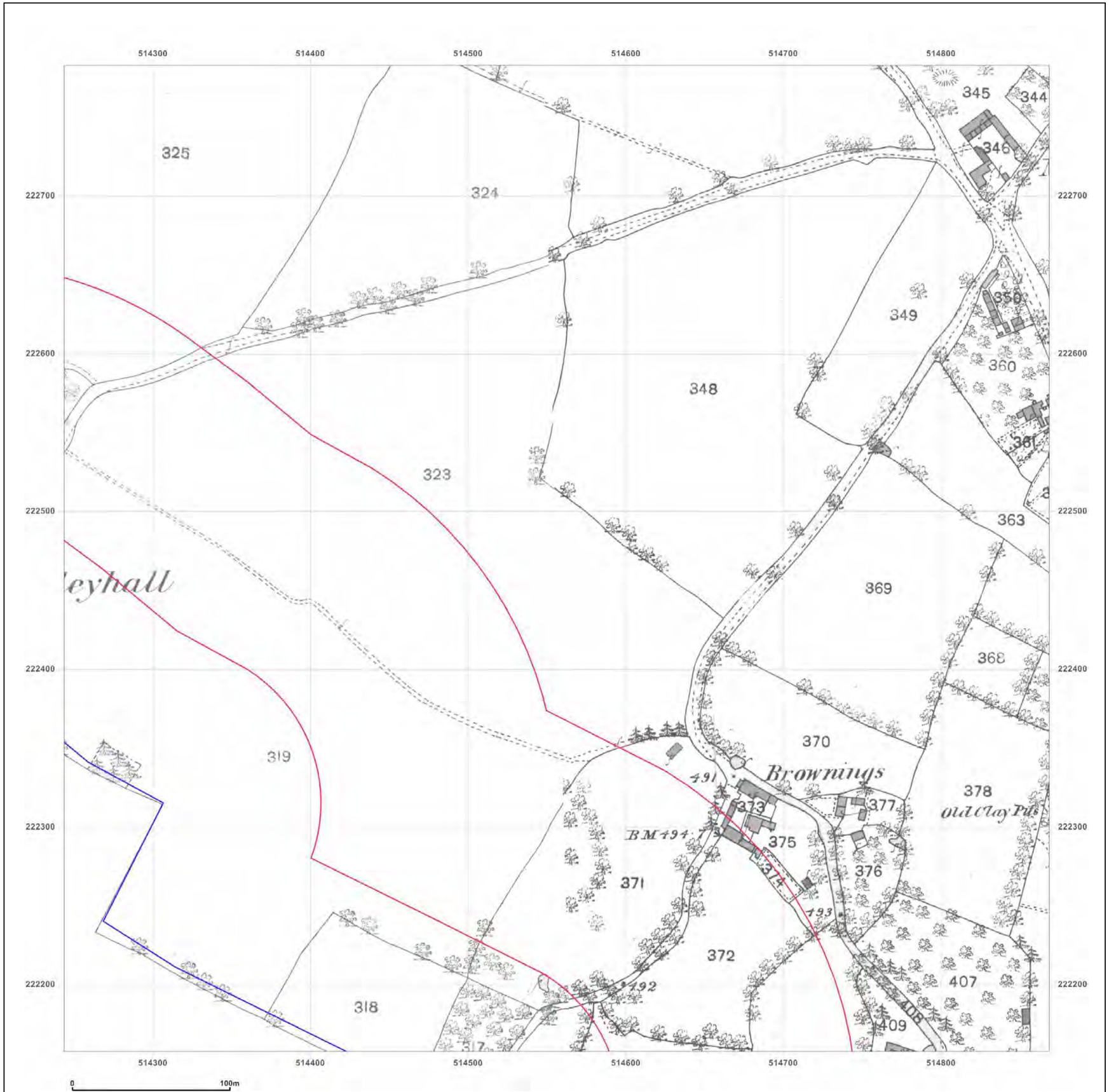
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_3
Grid Ref: 514556, 222470

Map Name: County Series
Map date: **1881**
Scale: 1:2,500
Printed at: 1:2,500

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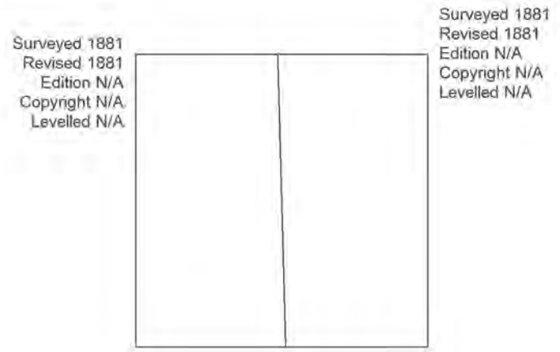

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Produced by
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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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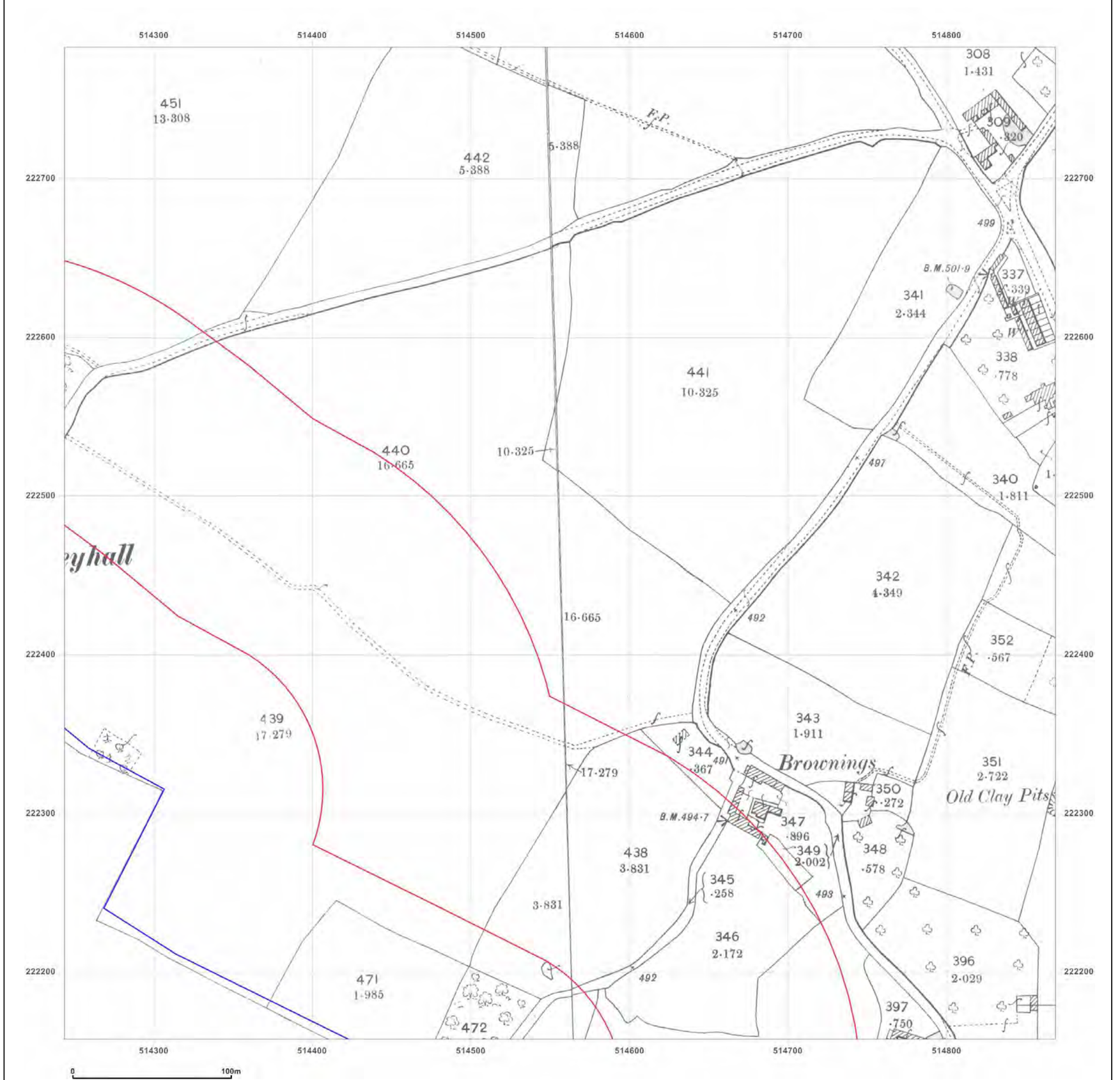

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_3
Grid Ref: 514556, 222470

Map Name: County Series

Map date: **1898**

Scale: 1:2,500

Printed at: 1:2,500

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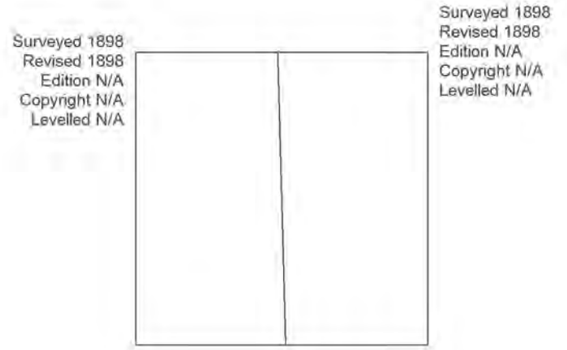

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Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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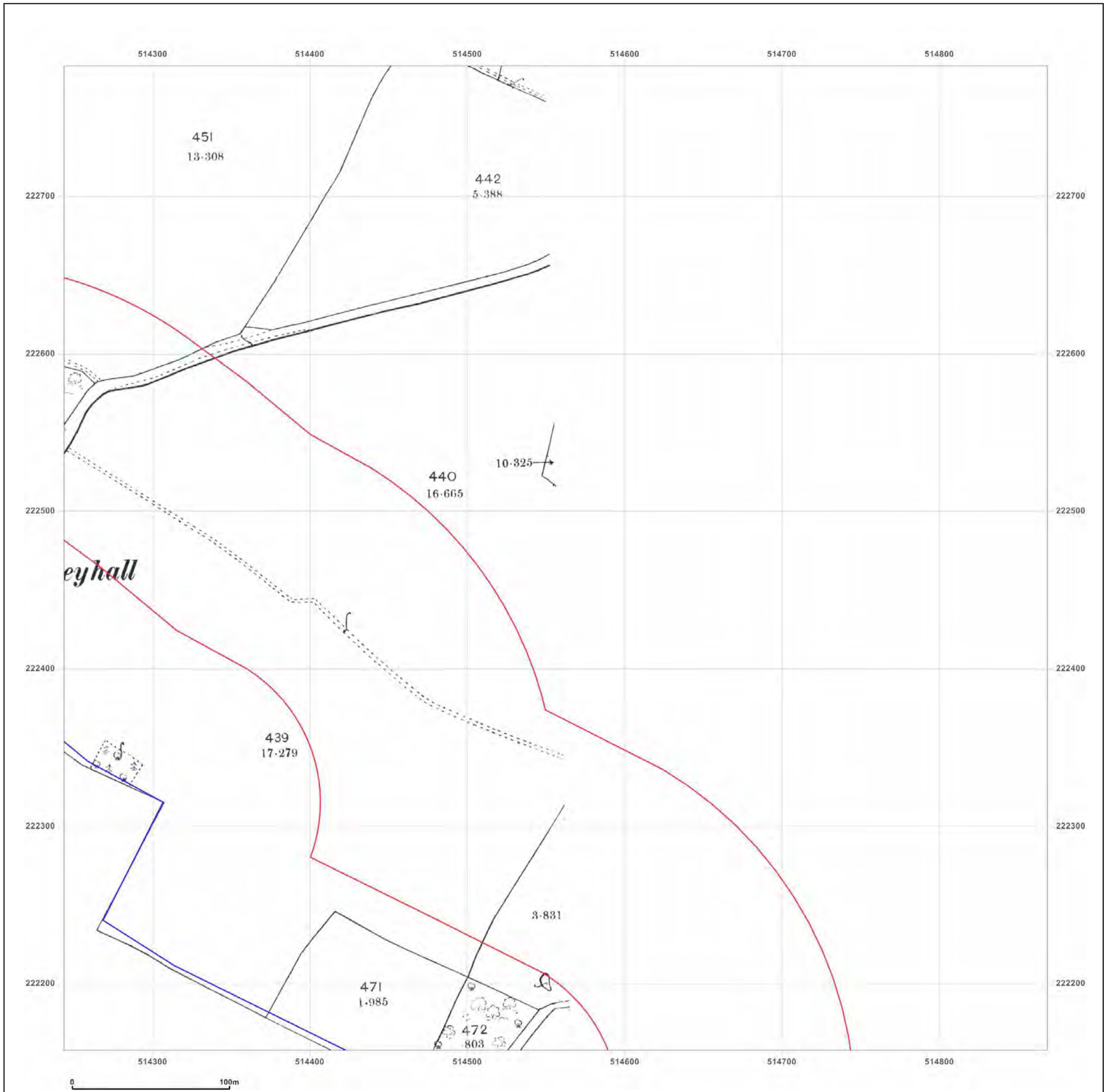

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_3
Grid Ref: 514556, 222470

Map Name: County Series

Map date: **1901**

Scale: 1:2,500

Printed at: 1:2,500

N
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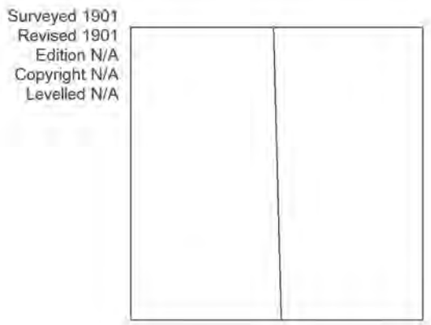

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Produced by
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E: info@groundsure.com
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Production date: 16 October 2018

Map legend available at:
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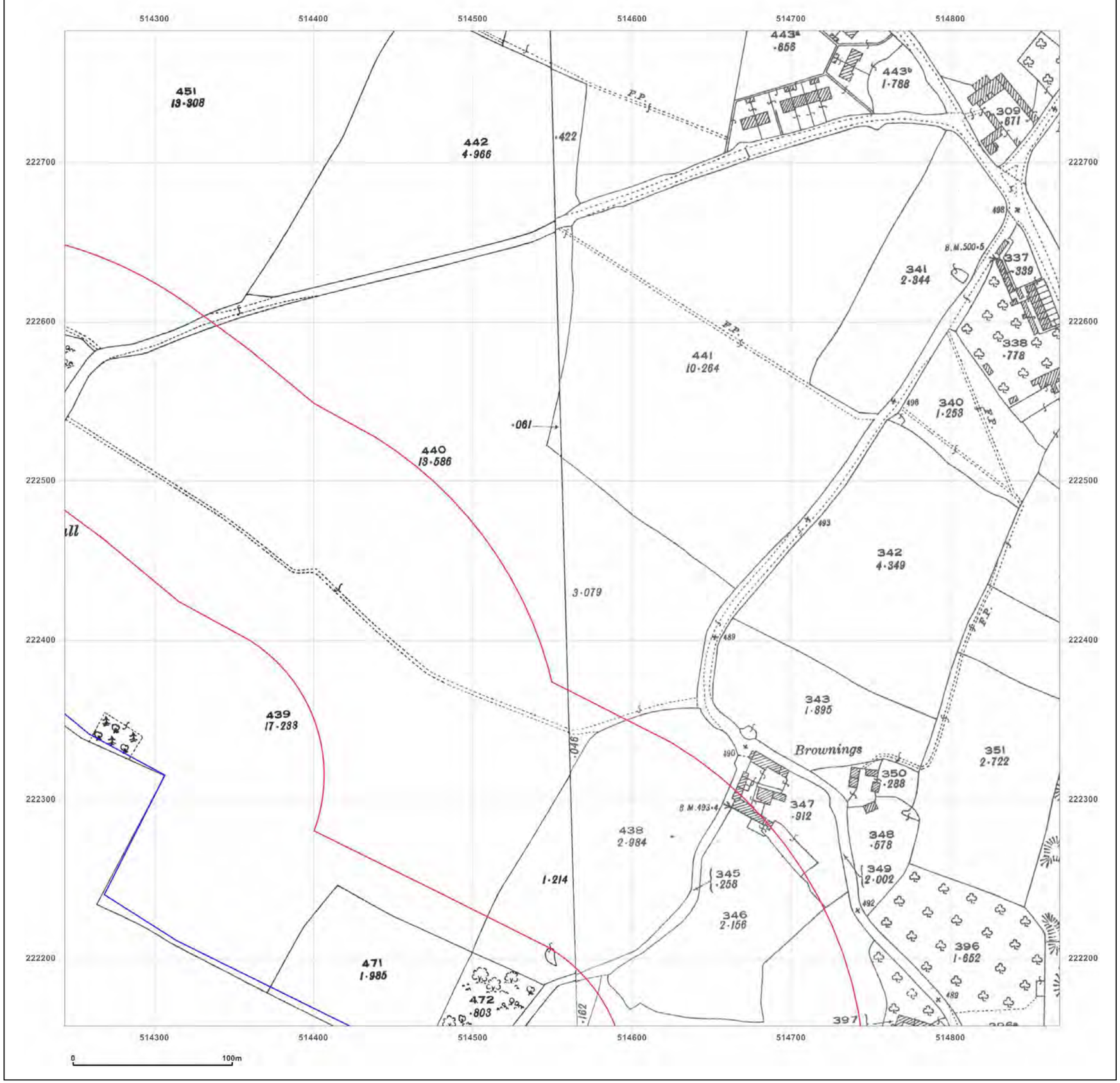

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_3
Grid Ref: 514556, 222470

Map Name: County Series

Map date: **1924**

Scale: 1:2,500

Printed at: 1:2,500

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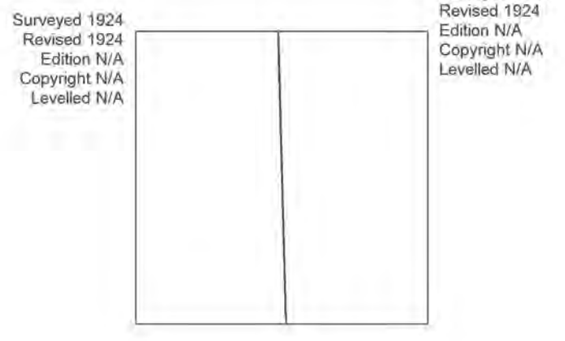

Powered by OS

Produced by
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T: 08444 159000
E: info@groundsure.com
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Production date: 16 October 2018

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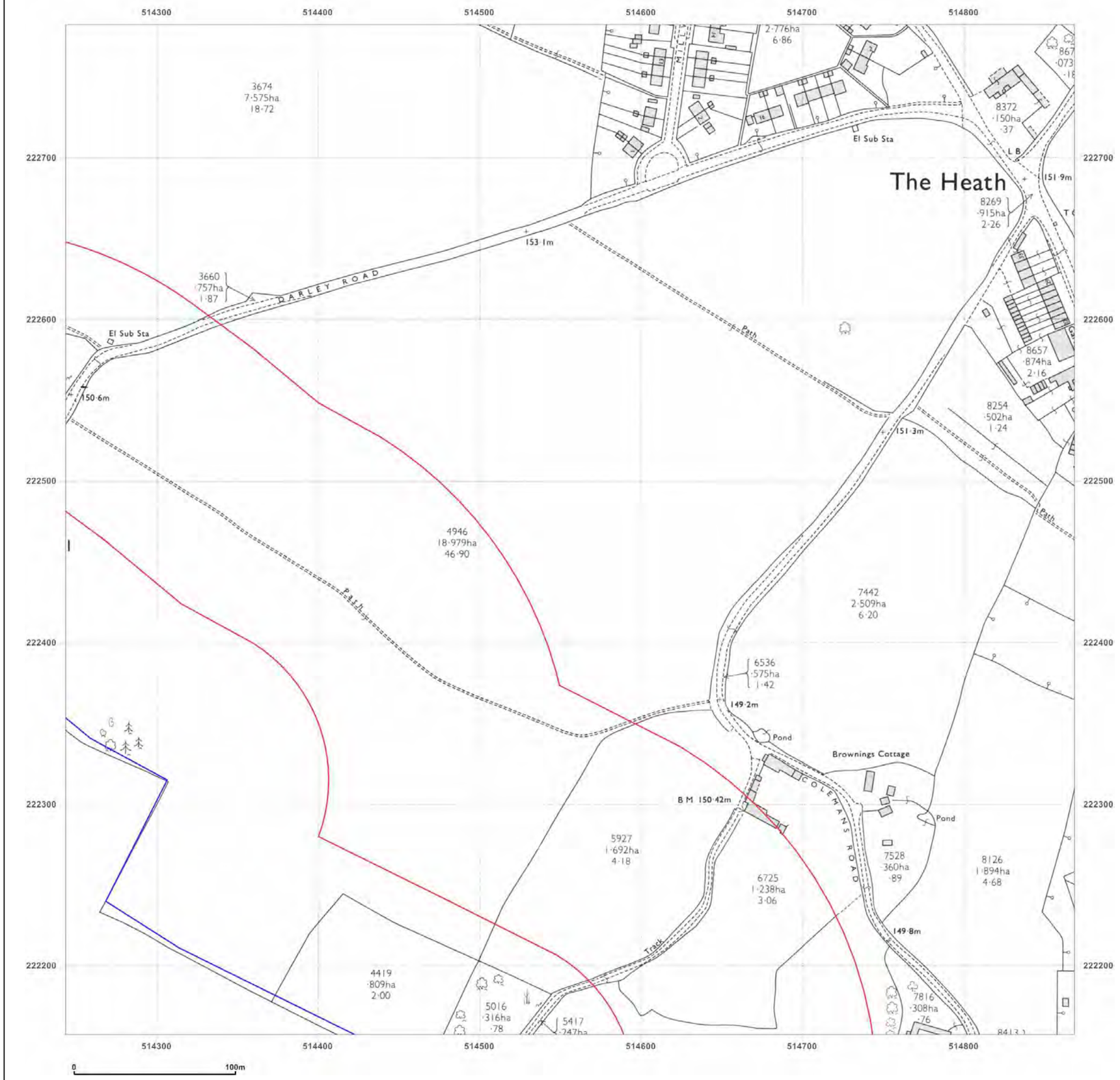

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_3
Grid Ref: 514556, 222470

Map Name: National Grid

Map date: **1971**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1958

Powered by OS

Produced by
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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 16 October 2018

Map legend available at:
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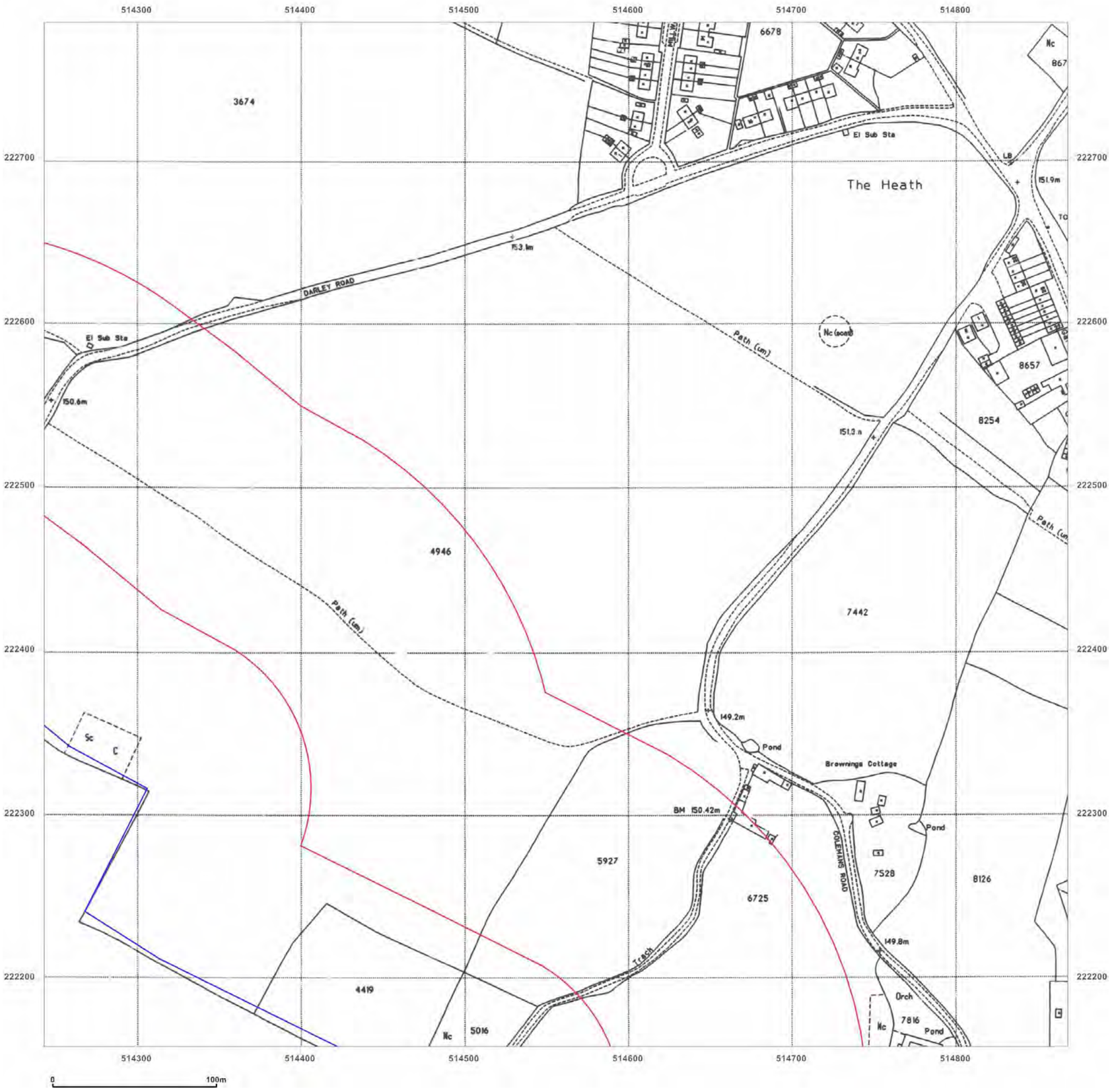

Groundsure INSIGHTS

Site Details:

513326.29595395754,
221834.97641249464

Client Ref: 245580-02
Report Ref: GS-5534634_LS_5_3
Grid Ref: 514556, 222470

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed N/A
Revised 1992
Edition N/A
Copyright 1993
Levelled N/A

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T: 08444 159000
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Production date: 16 October 2018

Map legend available at:
[REDACTED]

A2 Existing Airport Land

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Luton Airport

Order Details

Date: 20/11/2020

Your ref: Luton Aiport Expansion

Our Ref: GSIP-2020-10588-3212

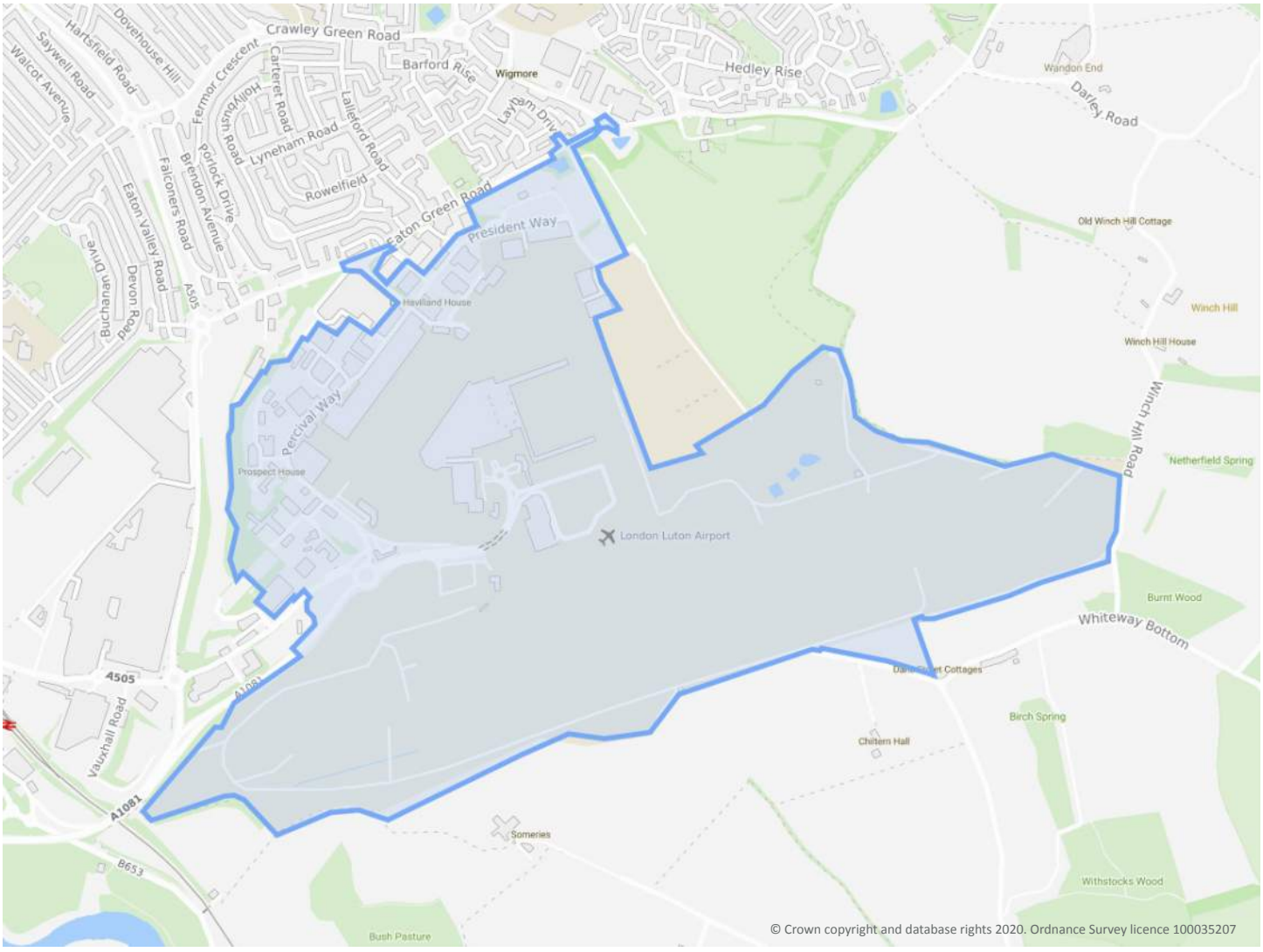
Client: Ove Arup & Partners International Ltd

Site Details

Location: 511962 221310

Area: 239.94 ha

Authority: Luton Borough Council, Central Bedfordshire Council, North Hertfordshire 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	43	30	84	39	-
21	1.2	Historical tanks	22	7	19	14	-
23	1.3	Historical energy features	10	4	5	15	-
25	1.4	Historical petrol stations	1	0	2	0	-
25	1.5	Historical garages	0	0	4	0	-
26	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
27	2.1	Historical industrial land uses	61	62	158	54	-
40	2.2	Historical tanks	36	9	32	20	-
43	2.3	Historical energy features	22	13	14	29	-
46	2.4	Historical petrol stations	3	0	2	0	-
47	2.5	Historical garages	0	0	5	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
48	3.1	Active or recent landfill	0	0	0	0	-
48	3.2	Historical landfill (BGS records)	0	0	0	1	-
49	3.3	Historical landfill (LA/mapping records)	4	0	1	0	-
49	3.4	Historical landfill (EA/NRW records)	1	0	0	0	-
50	3.5	Historical waste sites	1	0	1	0	-
50	3.6	Licensed waste sites	5	1	0	0	-
52	3.7	Waste exemptions	3	1	2	4	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
54	4.1	Recent industrial land uses	77	15	37	-	-
62	4.2	Current or recent petrol stations	1	0	2	0	-
62	4.3	Electricity cables	0	0	0	0	-
63	4.4	Gas pipelines	0	0	0	0	-
63	4.5	Sites determined as Contaminated Land	0	0	0	0	-

63	4.6	Control of Major Accident Hazards (COMAH)	1	0	0	0	-
63	4.7	Regulated explosive sites	1	0	0	0	-
64	4.8	Hazardous substance storage/usage	1	1	1	0	-
64	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
64	4.10	Licensed industrial activities (Part A(1))	1	0	0	0	-
65	4.11	Licensed pollutant release (Part A(2)/B)	4	0	5	1	-
66	4.12	Radioactive Substance Authorisations	0	0	0	0	-
66	4.13	Licensed Discharges to controlled waters	12	2	1	7	-
70	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
70	4.15	Pollutant release to public sewer	0	0	0	0	-
70	4.16	List 1 Dangerous Substances	0	0	3	0	-
70	4.17	List 2 Dangerous Substances	0	0	0	0	-
71	4.18	Pollution Incidents (EA/NRW)	2	0	5	4	-
72	4.19	Pollution inventory substances	0	0	0	0	-
72	4.20	Pollution inventory waste transfers	0	0	0	0	-
72	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
74	5.1	Superficial aquifer	Identified (within 500m)				
76	5.2	Bedrock aquifer	Identified (within 500m)				
78	5.3	Groundwater vulnerability	Identified (within 50m)				
83	5.4	Groundwater vulnerability- soluble rock risk	Identified (within 0m)				
84	5.5	Groundwater vulnerability- local information	None (within 0m)				
85	5.6	Groundwater abstractions	0	0	0	8	10
90	5.7	Surface water abstractions	0	0	0	0	0
90	5.8	Potable abstractions	0	0	0	0	3
91	5.9	Source Protection Zones	1	0	1	0	-
91	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
92	6.1	Water Network (OS MasterMap)	7	0	1	-	-

93	6.2	Surface water features	1	1	1	-	-
93	6.3	WFD Surface water body catchments	3	-	-	-	-
94	6.4	WFD Surface water bodies	0	0	0	-	-
95	6.5	WFD Groundwater bodies	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
96	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
96	7.2	Historical Flood Events	0	0	0	-	-
96	7.3	Flood Defences	0	0	0	-	-
96	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
97	7.5	Flood Storage Areas	0	0	0	-	-
98	7.6	Flood Zone 2	None (within 50m)				
98	7.7	Flood Zone 3	None (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	Low (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	0
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	0
103	10.4	Special Protection Areas (SPA)	0	0	0	0	0
103	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	1	0	0	17
105	10.8	Biosphere Reserves	0	0	0	0	0
105	10.9	Forest Parks	0	0	0	0	0
105	10.10	Marine Conservation Zones	0	0	0	0	0
105	10.11	Green Belt	4	0	0	0	1
106	10.12	Proposed Ramsar sites	0	0	0	0	0

106	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
106	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
107	10.15	Nitrate Sensitive Areas	0	0	0	0	0
107	**10.16**	**Nitrate Vulnerable Zones**	2	0	0	2	0
108	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
109	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
110	11.1	World Heritage Sites	0	0	0	-	-
111	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
111	11.3	National Parks	0	0	0	-	-
111	11.4	Listed Buildings	0	0	0	-	-
111	11.5	Conservation Areas	0	0	0	-	-
112	**11.6**	**Scheduled Ancient Monuments**	0	0	1	-	-
112	**11.7**	**Registered Parks and Gardens**	0	0	1	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
113	**12.1**	**Agricultural Land Classification**	Grade 3a (within 250m)				
115	12.2	Open Access Land	0	0	0	-	-
116	12.3	Tree Felling Licences	0	0	0	-	-
116	**12.4**	**Environmental Stewardship Schemes**	1	1	1	-	-
116	**12.5**	**Countryside Stewardship Schemes**	0	1	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
117	**13.1**	**Priority Habitat Inventory**	4	6	18	-	-
119	**13.2**	**Habitat Networks**	2	5	0	-	-
119	13.3	Open Mosaic Habitat	0	0	0	-	-
119	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
121	**14.1**	**10k Availability**	Identified (within 500m)				
122	**14.2**	**Artificial and made ground (10k)**	3	1	4	3	-
124	**14.3**	**Superficial geology (10k)**	7	0	2	6	-

125	14.4	Landslip (10k)	0	0	0	0	-
126	**14.5**	**Bedrock geology (10k)**	5	0	3	0	-
127	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
128	**15.1**	**50k Availability**	Identified (within 500m)				
129	**15.2**	**Artificial and made ground (50k)**	2	1	3	3	-
130	**15.3**	**Artificial ground permeability (50k)**	2	0	-	-	-
131	**15.4**	**Superficial geology (50k)**	3	1	2	5	-
132	**15.5**	**Superficial permeability (50k)**	Identified (within 50m)				
132	15.6	Landslip (50k)	0	0	0	0	-
133	15.7	Landslip permeability (50k)	None (within 50m)				
134	**15.8**	**Bedrock geology (50k)**	9	3	2	4	-
135	**15.9**	**Bedrock permeability (50k)**	Identified (within 50m)				
136	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
137	**16.1**	**BGS Boreholes**	22	14	32	-	-
Page	Section	Natural ground subsidence					
141	**17.1**	**Shrink swell clays**	Low (within 50m)				
143	**17.2**	**Running sands**	Very low (within 50m)				
145	**17.3**	**Compressible deposits**	Very low (within 50m)				
147	**17.4**	**Collapsible deposits**	Very low (within 50m)				
148	**17.5**	**Landslides**	Low (within 50m)				
150	**17.6**	**Ground dissolution of soluble rocks**	Moderate (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
152	**18.1**	**Natural cavities**	0	1	2	0	-
153	**18.2**	**BritPits**	2	1	2	1	-
154	**18.3**	**Surface ground workings**	32	50	123	-	-
162	**18.4**	**Underground workings**	2	0	0	0	0
162	18.5	Historical Mineral Planning Areas	0	0	0	0	-

163	**18.6**	**Non-coal mining**	1	0	1	2	4
164	18.7	Mining cavities	0	0	0	0	0
164	18.8	JPB mining areas	None (within 0m)				
164	18.9	Coal mining	None (within 0m)				
164	18.10	Brine areas	None (within 0m)				
164	18.11	Gypsum areas	None (within 0m)				
165	18.12	Tin mining	None (within 0m)				
165	18.13	Clay mining	None (within 0m)				

Page	Section	Radon	
166	**19.1**	**Radon**	Less than 1% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
167	**20.1**	**BGS Estimated Background Soil Chemistry**	69	21	-	-	-
172	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
172	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
173	21.1	Underground railways (London)	0	0	0	-	-
173	21.2	Underground railways (Non-London)	0	0	0	-	-
174	21.3	Railway tunnels	0	0	0	-	-
174	**21.4**	**Historical railway and tunnel features**	1	1	1	-	-
174	21.5	Royal Mail tunnels	0	0	0	-	-
174	**21.6**	**Historical railways**	0	0	1	-	-
175	**21.7**	**Railways**	0	0	10	-	-
175	21.8	Crossrail 1	0	0	0	0	-
176	21.9	Crossrail 2	0	0	0	0	-
176	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 14/09/2019

Site Area: 239.94ha

Recent site history - 2016 aerial photograph

Capture Date: 23/07/2016

Site Area: 239.94ha

Recent site history - 2014 aerial photograph

Capture Date: 01/06/2014

Site Area: 239.94ha

Recent site history - 2010 aerial photograph

Capture Date: 27/04/2010

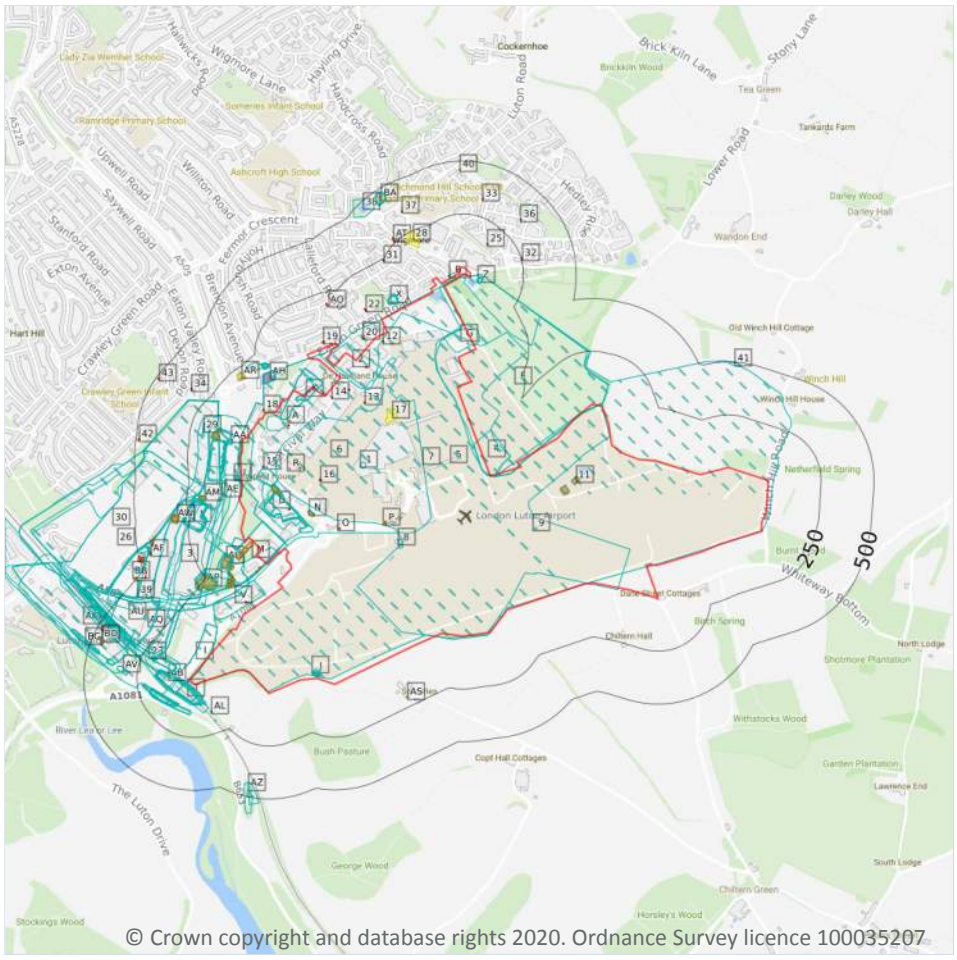
Site Area: 239.94ha

Recent site history - 1999 aerial photograph

Capture Date: 27/05/1999

Site Area: 239.94ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical petrol stations

Historical garages

1.1 Historical industrial land uses

Records within 500m	196

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**	**Unspecified Tank**	**1991**	**2043969**

ID	Location	Land use	Dates present	Group ID
2	On site	Engineering Works	1973	2059803
3	On site	Abandoned Airfield	1938	2064746
4	On site	Refuse Heap	1951	2072758
5	On site	Airport	1985 - 1991	2075273
6	On site	Airport	1973	2080536
7	On site	Airport	1951	2088346
8	On site	Fire Station	1985 - 1991	2094223
9	On site	Unspecified Tank	1925 - 1947	2122926
B	On site	Police Station	1985	2059684
C	On site	Unspecified Ground Workings	1973	2060168
D	On site	Infectious Disease Hospital	1938	2062131
D	On site	Infectious Diseases Hospital	1947 - 1951	2068392
D	On site	Infectious Diseases Hospital	1938	2075790
D	On site	Infectious Diseases Hospital	1900	2078238
D	On site	Infectious Diseases Hospital	1922 - 1938	2097497
D	On site	Infectious Diseases Hospital	1922	2101615
E	On site	Unspecified Tanks	1985	2064063
E	On site	Unspecified Tanks	1973	2098903
E	On site	Unspecified Tanks	1991	2106818
F	On site	Unspecified Workings	1985 - 1991	2068404
F	On site	Refuse Heap	1973	2110727
G	On site	Unspecified Pit	1985 - 1991	2070559
H	On site	Unspecified Ground Workings	1985	2071001
H	On site	Unspecified Ground Workings	1973	2111956
I	On site	Cuttings	1991	2073163
I	On site	Cuttings	1985	2087120
J	On site	Unspecified Heap	1938	2053774
J	On site	Old Chalk Pit	1879	2080578

ID	Location	Land use	Dates present	Group ID
J	**On site**	**Unspecified Pit**	**1900**	**2083045**
J	**On site**	**Unspecified Pit**	**1922**	**2098654**
J	**On site**	**Unspecified Pit**	**1951**	**2104244**
J	**On site**	**Old Chalk Pit**	**1888**	**2118934**
K	**On site**	**Clay Pit**	**1888**	**2083056**
K	**On site**	**Brick and Tile Works**	**1879**	**2088412**
K	**On site**	**Brick and Tile Works**	**1888**	**2094653**
K	**On site**	**Clay Pit**	**1879**	**2114431**
L	**On site**	**Sewage Farm**	**1938 - 1947**	**2084233**
L	**On site**	**Sewage Farm**	**1922**	**2093019**
L	**On site**	**Sewage Farm**	**1922**	**2109430**
M	**On site**	**Unspecified Works**	**1985 - 1991**	**2089492**
M	**On site**	**Unspecified Works**	**1973**	**2118614**
N	**On site**	**Unspecified Tanks**	**1991**	**2054886**
M	1m W	Unspecified Heap	1973	2066098
M	1m W	Unspecified Heap	1985 - 1991	2067363
T	14m SW	Cuttings	1985	2107800
U	17m W	Sludge Pit	1922 - 1947	2108290
T	17m SW	Cuttings	1991	2103087
T	19m SW	Cuttings	1951 - 1973	2084869
T	19m SW	Cuttings	1938	2112047
V	23m NW	Unspecified Depot	1985 - 1991	2094910
U	25m W	Unspecified Tank	1951	2043968
T	27m SW	Cuttings	1922 - 1947	2114640
T	29m SW	Cuttings	1900	2092346
W	29m N	Brick Kiln	1879	2071652
X	30m NW	Unspecified Pit	1938	2096741
T	30m SW	Cuttings	1888	2096491

ID	Location	Land use	Dates present	Group ID
X	32m NW	Unspecified Pit	1951	2113728
W	32m N	Brick Kiln	1888	2084142
X	32m NW	Unspecified Pit	1922 - 1947	2085982
X	33m NW	Unspecified Pit	1922 - 1938	2113013
Z	37m SE	Unspecified Pit	1951	2095864
Z	37m E	Old Gravel Pit	1888 - 1899	2113794
Z	37m SE	Unspecified Pit	1925	2101612
Z	37m SE	Unspecified Pit	1925 - 1947	2080471
Z	37m SE	Old Gravel Pit	1879	2090210
T	38m SW	Cuttings	1879	2098570
W	38m NW	Lime Kiln	1888	2122497
Z	39m SE	Old Gravel Pit	1899	2067460
AA	44m W	Pumping Station	1938	2069073
AA	46m W	Pumping Station	1922 - 1947	2075017
21	47m SW	Sewage Farm	1900	2116806
AA	47m W	Pumping Station	1922 - 1938	2101396
AB	53m W	Cuttings	1985 - 1991	2104337
L	59m W	Corporation Sewage Farm	1938	2045690
W	63m NW	Lime Kiln	1879	2058745
AC	68m NW	Miniature Rifle Range	1951	2104706
AD	70m W	Unspecified Ground Workings	1938	2088042
AD	73m W	Unspecified Ground Workings	1922 - 1938	2088787
AD	73m W	Filter Beds	1922 - 1938	2080653
AD	73m W	Filter Beds	1947	2078230
AE	73m W	Sedimentation Tanks	1922 - 1938	2085977
AE	73m W	Sedimentation Tanks	1922 - 1947	2084558
AE	74m W	Sedimentation Tanks	1938	2065981
AD	76m W	Filter Beds	1938	2099566

ID	Location	Land use	Dates present	Group ID
AD	78m W	Filter Beds	1922 - 1938	2082499
AF	78m W	Unspecified Works	1985 - 1991	2105491
AC	80m NW	Miniature Rifle Range	1938	2096611
AC	83m NW	Miniature Rifle Range	1922	2073227
AC	83m NW	Miniature Rifle Range	1922 - 1947	2120258
23	87m NW	Rifle Range	1900	2056225
AG	89m SW	Unspecified Ground Workings	1938	2060170
AF	92m W	Unspecified Works	1951	2079517
AF	92m W	Unspecified Works	1973	2087247
AG	95m SW	Sewage Tanks	1922 - 1947	2072185
AG	95m SW	Sewage Tanks	1938	2106808
AG	100m SW	Unspecified Heap	1973	2053772
AH	100m NW	Garage	1973	2070405
AH	100m NW	Garage	1985 - 1991	2075234
AI	105m W	Sedimentation Tanks	1922 - 1938	2071843
AG	105m SW	Sewage Tanks	1922 - 1938	2078192
AI	108m W	Sedimentation Tanks	1938	2072716
AB	110m W	Cuttings	1900	2095737
AI	110m W	Unspecified Tank	1938 - 1947	2103766
AI	111m W	Sedimentation Tanks	1922	2091535
AJ	118m SW	Cuttings	1888	2088369
AJ	118m SW	Cuttings	1922 - 1947	2092392
AK	119m SW	Unspecified Commercial/Industrial	1951	2058219
AI	120m W	Unspecified Tank	1938 - 1947	2101497
AI	120m W	Sedimentation Tanks	1922	2100690
AG	121m SW	Sewage Tanks	1922 - 1938	2098412
AJ	121m S	Cuttings	1951	2111738
AJ	123m SW	Cuttings	1922	2108742

ID	Location	Land use	Dates present	Group ID
L	124m W	Unspecified Ground Workings	1938	2065991
24	125m SW	Cuttings	1879	2104943
L	127m W	Unspecified Ground Workings	1922 - 1938	2102029
AJ	129m SW	Cuttings	1879	2066819
AI	133m W	Unspecified Tank	1938 - 1947	2077769
AI	134m W	Sedimentation Tanks	1922	2119131
AJ	135m SW	Cuttings	1973	2115150
AG	139m NW	Unspecified Tanks	1985 - 1991	2105220
AG	139m NW	Unspecified Tanks	1973	2116020
AJ	140m SW	Cuttings	1900	2105480
AG	141m SW	Sewage Tanks	1922 - 1938	2078191
AL	143m S	Railway Building	1922 - 1947	2108495
AG	152m SW	Sewage Tanks	1922	2113279
AG	152m SW	Sewage Tanks	1947	2116856
AG	152m SW	Sewage Tanks	1900	2099425
AG	153m SW	Sewage Tanks	1938	2079173
L	153m W	Filter Beds	1922 - 1947	2065942
AM	158m W	Sedimentation Tanks	1922 - 1938	2085117
AN	159m NW	Old Chalk Pit	1888	2103516
L	160m W	Unspecified Tanks	1938	2100856
AN	160m NW	Old Chalk Pit	1879	2105620
26	161m W	Motor Works	1938	2101981
AN	161m NW	Unspecified Ground Workings	1985 - 1991	2066885
L	162m W	Unspecified Tanks	1922 - 1938	2066595
AM	162m W	Sedimentation Tanks	1922 - 1947	2094616
27	162m W	Motor Works	1947	2121998
AN	163m NW	Unspecified Ground Workings	1900 - 1922	2084964
AN	163m NW	Unspecified Pit	1938	2068714

ID	Location	Land use	Dates present	Group ID
AM	164m W	Unspecified Tanks	1938	2054889
AN	165m NW	Unspecified Ground Workings	1947	2104418
AN	166m NW	Unspecified Pit	1951	2063847
AP	181m NW	Sewage Tanks	1922 - 1947	2083084
AM	183m W	Sedimentation Tanks	1938	2102060
AM	184m W	Sedimentation Tanks	1922	2065051
AM	184m W	Sedimentation Tanks	1947	2080209
29	184m W	Sedimentation Tanks	1947	2042551
AL	190m S	Railway Building	1879	2051321
AP	192m NW	Unspecified Ground Workings	1938	2060169
AQ	192m NW	Motor Car Engineering Works	1947	2079413
AP	196m NW	Sewage Tanks	1922 - 1938	2069427
AP	197m NW	Sewage Tanks	1922 - 1938	2120043
30	206m W	Motor Works	1938	2077847
AP	206m NW	Sewage Tanks	1938	2094555
AP	237m NW	Sewage Tanks	1922 - 1938	2073187
AK	275m W	Sewage Farm	1900	2045655
AU	290m NW	Motor Car Engineering Works	1922	2095477
AQ	290m NW	Motor Cars Engineering Works	1922	2084716
AU	292m NW	Unspecified Commercial/Industrial	1938	2058218
AV	293m W	Unspecified Heap	1973	2066976
AV	293m W	Unspecified Heap	1985	2119357
AW	299m W	Unspecified Tanks	1973	2094486
AW	299m W	Unspecified Tanks	1985 - 1991	2095684
AK	319m NW	Unspecified Works	1973	2065494
AK	319m NW	Unspecified Works	1985 - 1991	2093688
AX	332m NW	Railway Sidings	1973	2099080
35	336m NW	Railway Sidings	1951 - 1959	2065416

ID	Location	Land use	Dates present	Group ID
AY	362m W	Unspecified Heap	1973	2071788
AY	362m W	Unspecified Heap	1985	2100520
AX	368m NW	Railway Sidings	1938	2064344
AX	375m NW	Railway Sidings	1922	2074039
AX	375m NW	Railway Sidings	1947	2084919
AX	376m NW	Railway Sidings	1922	2072499
AX	376m NW	Railway Sidings	1938	2082745
AX	376m NW	Railway Sidings	1922	2095293
AX	376m NW	Railway Sidings	1938	2099393
AX	383m NW	Railway Sidings	1938	2072077
AZ	431m S	Unspecified Heap	1973	2053771
BA	432m NW	Unspecified Pit	1922 - 1951	2093738
AZ	433m S	Cuttings	1899	2061367
BA	435m NW	Old Chalk Pit	1900	2043486
38	435m NW	Filter Bed	1973	2056049
BB	436m NW	Hydraulic Engineering Works	1922	2049650
BA	438m NW	Unspecified Pit	1938	2113035
39	439m NW	Unspecified Ground Workings	1922	2110873
AF	440m W	Unspecified Ground Workings	1938	2070154
AF	441m W	Unspecified Ground Workings	1922	2066513
BC	443m W	Cuttings	1879	2067214
BD	445m NW	Unspecified Tanks	1985	2102144
BD	445m NW	Unspecified Tanks	1973	2117407
BC	445m W	Cuttings	1888	2085602
AX	465m NW	Hydraulic Engineering Works	1922	2086297
41	481m N	Unspecified Quarry	1925 - 1947	2074250
AZ	495m S	Unspecified Heap	1973	2053773

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	62

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
10	On site	Unspecified Tank	1993	354399
11	On site	Unspecified Tank	1993	350239
12	On site	Tanks	1967	348011
A	On site	Unspecified Tank	1993	351686
A	On site	Unspecified Tank	1979	358270
A	On site	Unspecified Tank	1979 - 1993	358483
A	On site	Unspecified Tank	1979 - 1990	358503
A	On site	Unspecified Tank	1990	358737
C	On site	Unspecified Tank	1979 - 1993	356973
E	On site	Tanks	1976 - 1993	351231
G	On site	Unspecified Tank	1990	343023
G	On site	Unspecified Tank	1993	350223
N	On site	Tanks	1993	348041
N	On site	Unspecified Tank	1993	355400
N	On site	Unspecified Tank	1996	357020
O	On site	Tanks	1993	348040
O	On site	Septic Tanks	1968 - 1981	356668
P	On site	Tanks	1993	348039
P	On site	Septic Tanks	1968 - 1981	353741
Q	On site	Unspecified Tank	1981	343024
Q	On site	Tanks	1967	348012

ID	Location	Land use	Dates present	Group ID
R	**On site**	**Unspecified Tank**	**1993**	**343081**
M	10m SW	Tanks	1993	351704
M	19m SW	Tanks	1984	355530
M	24m S	Tanks	1993	356552
Y	32m SW	Tanks	1974 - 1984	353951
Y	38m SW	Unspecified Tank	1993	343088
20	38m NW	Unspecified Tank	1967 - 1981	356617
M	43m S	Tanks	1984	355756
M	55m SW	Tanks	1993	354382
Y	56m SW	Tanks	1974 - 1993	355198
M	70m S	Tanks	1984	357672
AG	99m SW	Sewage Tanks	1901 - 1924	349675
AI	105m W	Sedimentation Tanks	1924	347538
AH	118m NW	Unspecified Tank	1979	343079
AG	119m SW	Sewage Tanks	1901 - 1924	349905
AG	138m NW	Tanks	1962 - 1993	357771
AG	139m NW	Unspecified Tank	1971	343084
AG	145m NW	Unspecified Tank	1971	343082
AG	149m SW	Sewage Tanks	1901 - 1924	349772
AG	153m SW	Tanks	1962 - 1993	351946
AG	154m SW	Unspecified Tank	1971	343085
AM	158m W	Sedimentation Tanks	1924	347537
AG	162m NW	Unspecified Tank	1971	343083
AP	192m NW	Sewage Tanks	1901 - 1924	354602
AS	203m SE	Unspecified Tank	1993	354641
AS	205m SE	Unspecified Tank	1971	358202
32	248m E	Tanks	1971	348010
AW	297m W	Unspecified Tank	1962 - 1993	354394

ID	Location	Land use	Dates present	Group ID
AW	298m W	Tanks	1961 - 1975	355038
AW	301m W	Unspecified Tank	1962 - 1993	352116
AW	315m W	Unspecified Tank	1962 - 1993	351014
AW	321m W	Unspecified Tank	1962 - 1993	356365
AF	409m W	Unspecified Tank	1986 - 1996	353962
BD	445m NW	Unspecified Tank	1984	343179
BD	450m NW	Unspecified Tank	1984	343177
BD	463m NW	Unspecified Tank	1968	349887
BD	463m NW	Unspecified Tank	1984	350460
BD	463m NW	Unspecified Tank	1984	357529
BB	473m NW	Unspecified Tank	1996	343066
BB	480m NW	Unspecified Tank	1996	343067
BB	496m NW	Unspecified Tank	1996	343065

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**34**

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	**On site**	**Electricity Substation**	**1967**	**224981**
14	**On site**	**Electricity Substation**	**1994**	**224982**
15	**On site**	**Electricity Substation**	**1993**	**224990**
16	**On site**	**Electricity Substation**	**1973 - 1996**	**230295**
A	**On site**	**Electricity Substation**	**1979 - 1993**	**238313**

ID	Location	Land use	Dates present	Group ID
D	**On site**	**Electricity Substation**	**1976 - 1993**	**232415**
Q	**On site**	**Electricity Substation**	**1987 - 1994**	**238613**
R	**On site**	**Electricity Substation**	**1993**	**224991**
S	**On site**	**Electricity Substation**	**1967 - 1994**	**232755**
S	**On site**	**Electricity Substation**	**1981 - 1991**	**238501**
B	7m NW	Electricity Substation	1989 - 1993	232399
18	14m NW	Electricity Substation	1979 - 1993	232053
19	25m N	Electricity Substation	1967 - 1994	231580
V	41m NW	Electricity Substation	1984 - 1993	238409
22	81m NW	Electricity Substation	1985 - 1993	233982
25	153m NE	Electricity Substation	1989 - 1993	237673
AO	180m N	Electricity Substation	1993	236391
AO	189m N	Electricity Substation	1985	224979
31	240m NW	Electricity Substation	1982 - 1993	233395
AT	265m NW	Gas Governor	1985	239621
AT	266m NW	Gas Governor	1993	233437
33	330m N	Electricity Substation	1994 - 1996	231601
34	332m NW	Electricity Substation	1974 - 1993	239862
36	344m NE	Electricity Substation	1989	224980
37	351m NW	Electricity Substation	1984 - 1990	234081
AF	419m W	Electricity Substation	1986 - 1996	236886
AF	438m W	Electricity Substation	1986 - 1996	239344
40	457m N	Electricity Substation	1994 - 1996	231356
BB	470m NW	Electricity Substation	1996	224992
AF	477m W	Electricity Substation	1996	238963
AF	478m W	Electricity Substation	1986 - 1996	229123
42	482m W	Electricity Substation	1975 - 1993	239690
43	484m NW	Electricity Substation	1974 - 1993	235381

ID	Location	Land use	Dates present	Group ID
AF	491m W	Electricity Substation	1986 - 1996	230952

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m **3**

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
17	**On site**	**Filling Station**	**1981 - 1991**	**4034**
28	164m NW	Filling Station	1984	3829
AR	198m NW	Filling Station	1979	3831

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
AH	100m NW	Garage	1979	70067
AH	101m NW	Garage	1962 - 1967	72251
AH	101m NW	Garage	1962	70324
AR	195m NW	Garage	1967	69243

This data is sourced from Ordnance Survey / Groundsure.

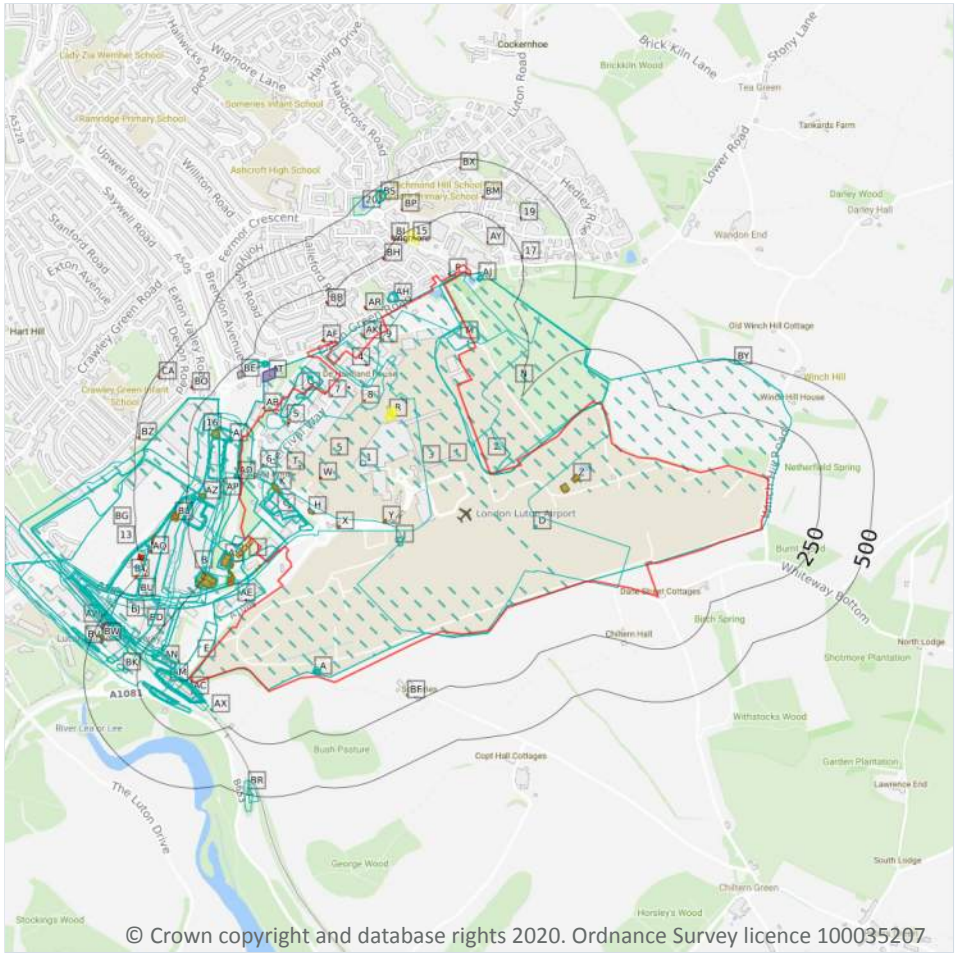
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical petrol stations

Historical garages

2.1 Historical industrial land uses

Records within 500m	335

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 27**

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Tank	1991	2043969
2	On site	Refuse Heap	1951	2072758
3	On site	Airport	1951	2088346

ID	Location	Land Use	Date	Group ID
4	On site	Engineering Works	1973	2059803
5	On site	Airport	1973	2080536
A	On site	Unspecified Pit	1900	2083045
A	On site	Unspecified Heap	1938	2053774
A	On site	Unspecified Pit	1922	2098654
A	On site	Old Chalk Pit	1888	2118934
A	On site	Unspecified Pit	1922	2098654
A	On site	Old Chalk Pit	1888	2118934
A	On site	Unspecified Pit	1951	2104244
A	On site	Old Chalk Pit	1879	2080578
B	On site	Sewage Farm	1922	2109430
B	On site	Sewage Farm	1947	2084233
B	On site	Sewage Farm	1938	2084233
B	On site	Sewage Farm	1922	2093019
B	On site	Sewage Farm	1922	2093019
C	On site	Infectious Diseases Hospital	1947	2068392
C	On site	Infectious Diseases Hospital	1922	2101615
C	On site	Infectious Diseases Hospital	1900	2078238
C	On site	Infectious Disease Hospital	1938	2062131
C	On site	Infectious Diseases Hospital	1938	2075790
C	On site	Infectious Diseases Hospital	1922	2097497
C	On site	Infectious Diseases Hospital	1938	2075790
C	On site	Infectious Diseases Hospital	1922	2097497
C	On site	Infectious Diseases Hospital	1951	2068392
C	On site	Infectious Diseases Hospital	1938	2097497
D	On site	Unspecified Tank	1947	2122926
D	On site	Unspecified Tank	1925	2122926
E	On site	Cuttings	1991	2073163

ID	Location	Land Use	Date	Group ID
E	On site	Cuttings	1985	2087120
F	On site	Abandoned Airfield	1938	2064746
F	On site	Abandoned Airfield	1938	2064746
G	On site	Brick and Tile Works	1888	2094653
G	On site	Clay Pit	1888	2083056
G	On site	Brick and Tile Works	1888	2094653
G	On site	Clay Pit	1888	2083056
G	On site	Brick and Tile Works	1879	2088412
G	On site	Clay Pit	1879	2114431
G	On site	Brick and Tile Works	1879	2088412
H	On site	Unspecified Tanks	1991	2054886
I	On site	Unspecified Works	1991	2089492
I	On site	Unspecified Works	1985	2089492
I	On site	Unspecified Works	1973	2118614
J	On site	Fire Station	1991	2094223
J	On site	Fire Station	1985	2094223
K	On site	Unspecified Tanks	1991	2106818
K	On site	Unspecified Tanks	1985	2064063
K	On site	Unspecified Tanks	1973	2098903
L	On site	Airport	1991	2075273
L	On site	Airport	1985	2075273
M	On site	Unspecified Pit	1991	2070559
M	On site	Unspecified Pit	1985	2070559
N	On site	Unspecified Workings	1991	2068404
N	On site	Unspecified Workings	1985	2068404
N	On site	Refuse Heap	1973	2110727
O	On site	Unspecified Ground Workings	1985	2071001
O	On site	Unspecified Ground Workings	1973	2111956

ID	Location	Land Use	Date	Group ID
P	**On site**	**Police Station**	**1985**	**2059684**
Q	**On site**	**Unspecified Ground Workings**	**1973**	**2060168**
I	1m W	Unspecified Heap	1991	2067363
I	1m W	Unspecified Heap	1985	2067363
I	1m W	Unspecified Heap	1973	2066098
AC	14m SW	Cuttings	1985	2107800
AD	17m W	Sludge Pit	1938	2108290
AC	17m SW	Cuttings	1991	2103087
AD	18m W	Sludge Pit	1938	2108290
AD	19m W	Sludge Pit	1947	2108290
AD	19m W	Sludge Pit	1922	2108290
AD	19m W	Sludge Pit	1938	2108290
AD	19m W	Sludge Pit	1922	2108290
AD	19m W	Sludge Pit	1938	2108290
AD	19m W	Sludge Pit	1922	2108290
AC	19m SW	Cuttings	1973	2084869
AC	19m SW	Cuttings	1938	2112047
AE	23m NW	Unspecified Depot	1991	2094910
AE	23m NW	Unspecified Depot	1985	2094910
AD	25m W	Unspecified Tank	1951	2043968
AC	27m SW	Cuttings	1938	2114640
AC	27m SW	Cuttings	1922	2114640
AC	27m SW	Cuttings	1938	2114640
AC	27m SW	Cuttings	1922	2114640
AC	27m SW	Cuttings	1947	2114640
AC	27m SW	Cuttings	1922	2114640
AC	29m SW	Cuttings	1900	2092346
AG	29m N	Brick Kiln	1879	2071652

ID	Location	Land Use	Date	Group ID
AG	29m N	Brick Kiln	1879	2071652
AH	30m NW	Unspecified Pit	1938	2096741
AC	30m SW	Cuttings	1888	2096491
AC	30m SW	Cuttings	1888	2096491
AC	30m SW	Cuttings	1938	2114640
AH	32m NW	Unspecified Pit	1951	2113728
AG	32m N	Brick Kiln	1888	2084142
AG	32m N	Brick Kiln	1888	2084142
AH	32m NW	Unspecified Pit	1947	2085982
AH	32m NW	Unspecified Pit	1922	2085982
AH	33m NW	Unspecified Pit	1938	2085982
AH	33m NW	Unspecified Pit	1938	2113013
AH	33m NW	Unspecified Pit	1922	2113013
AH	33m NW	Unspecified Pit	1938	2113013
AH	33m NW	Unspecified Pit	1922	2113013
AC	33m SW	Cuttings	1951	2084869
AJ	37m SE	Unspecified Pit	1951	2095864
AJ	37m E	Old Gravel Pit	1888	2113794
AJ	37m SE	Unspecified Pit	1925	2101612
AJ	37m SE	Unspecified Pit	1947	2080471
AJ	37m SE	Unspecified Pit	1925	2080471
AJ	37m SE	Old Gravel Pit	1899	2113794
AJ	37m SE	Old Gravel Pit	1879	2090210
AC	38m SW	Cuttings	1879	2098570
AG	38m NW	Lime Kiln	1888	2122497
AG	38m NW	Lime Kiln	1888	2122497
AJ	39m SE	Old Gravel Pit	1899	2067460
AL	44m W	Pumping Station	1938	2069073

ID	Location	Land Use	Date	Group ID
AL	46m W	Pumping Station	1938	2075017
AL	47m W	Pumping Station	1947	2075017
AL	47m W	Pumping Station	1922	2075017
10	47m SW	Sewage Farm	1900	2116806
AL	47m W	Pumping Station	1938	2101396
AL	47m W	Pumping Station	1922	2101396
AL	47m W	Pumping Station	1938	2101396
AL	47m W	Pumping Station	1922	2101396
AM	53m W	Cuttings	1985	2104337
B	59m W	Corporation Sewage Farm	1938	2045690
AG	63m NW	Lime Kiln	1879	2058745
AN	68m NW	Miniature Rifle Range	1951	2104706
AM	69m W	Cuttings	1991	2104337
AO	70m W	Unspecified Ground Workings	1938	2088042
AO	73m W	Unspecified Ground Workings	1938	2088787
AO	73m W	Unspecified Ground Workings	1922	2088787
AO	73m W	Unspecified Ground Workings	1938	2088787
AO	73m W	Unspecified Ground Workings	1922	2088787
AO	73m W	Filter Beds	1938	2080653
AO	73m W	Filter Beds	1947	2078230
AO	73m W	Filter Beds	1922	2080653
AP	73m W	Sedimentation Tanks	1938	2085977
AP	73m W	Sedimentation Tanks	1922	2085977
AP	73m W	Sedimentation Tanks	1938	2085977
AP	73m W	Sedimentation Tanks	1922	2085977
AP	73m W	Sedimentation Tanks	1938	2084558
AP	74m W	Sedimentation Tanks	1938	2065981
AP	74m W	Sedimentation Tanks	1947	2084558

ID	Location	Land Use	Date	Group ID
AP	74m W	Sedimentation Tanks	1922	2084558
AO	76m W	Filter Beds	1938	2099566
AO	78m W	Filter Beds	1938	2082499
AO	78m W	Filter Beds	1922	2082499
AO	78m W	Filter Beds	1938	2082499
AO	78m W	Filter Beds	1922	2082499
AQ	78m W	Unspecified Works	1991	2105491
AQ	78m W	Unspecified Works	1985	2105491
AN	80m NW	Miniature Rifle Range	1938	2096611
AN	83m NW	Miniature Rifle Range	1938	2120258
AN	83m NW	Miniature Rifle Range	1922	2073227
AN	83m NW	Miniature Rifle Range	1938	2120258
AN	83m NW	Miniature Rifle Range	1922	2073227
AN	86m NW	Miniature Rifle Range	1947	2120258
AN	86m NW	Miniature Rifle Range	1922	2120258
11	87m NW	Rifle Range	1900	2056225
AN	88m NW	Miniature Rifle Range	1938	2120258
AS	89m SW	Unspecified Ground Workings	1938	2060170
AQ	92m W	Unspecified Works	1951	2079517
AQ	92m W	Unspecified Works	1973	2087247
AS	95m SW	Sewage Tanks	1947	2072185
AS	95m SW	Sewage Tanks	1922	2072185
AS	95m SW	Sewage Tanks	1938	2106808
AS	100m SW	Sewage Tanks	1938	2072185
AS	100m SW	Unspecified Heap	1973	2053772
AT	100m NW	Garage	1991	2075234
AT	100m NW	Garage	1985	2075234
AT	100m NW	Garage	1973	2070405

ID	Location	Land Use	Date	Group ID
AU	105m W	Sedimentation Tanks	1938	2071843
AU	105m W	Sedimentation Tanks	1922	2071843
AU	105m W	Sedimentation Tanks	1938	2071843
AU	105m W	Sedimentation Tanks	1922	2071843
AS	105m SW	Sewage Tanks	1938	2078192
AS	105m SW	Sewage Tanks	1922	2078192
AS	105m SW	Sewage Tanks	1938	2078192
AS	105m SW	Sewage Tanks	1922	2078192
AU	108m W	Sedimentation Tanks	1938	2072716
AM	110m W	Cuttings	1900	2095737
AU	110m W	Unspecified Tank	1938	2103766
AU	111m W	Sedimentation Tanks	1922	2091535
AU	111m W	Unspecified Tank	1947	2103766
AV	118m SW	Cuttings	1888	2088369
AV	118m SW	Cuttings	1888	2088369
AV	118m SW	Cuttings	1938	2092392
AW	119m SW	Unspecified Commercial/Industrial	1951	2058219
AU	120m W	Unspecified Tank	1938	2101497
AU	120m W	Sedimentation Tanks	1922	2100690
AU	120m W	Unspecified Tank	1947	2101497
AS	121m SW	Sewage Tanks	1938	2098412
AS	121m SW	Sewage Tanks	1922	2098412
AS	121m SW	Sewage Tanks	1938	2098412
AS	121m SW	Sewage Tanks	1922	2098412
AV	121m S	Cuttings	1951	2111738
AV	121m SW	Cuttings	1947	2092392
AV	121m SW	Cuttings	1922	2092392
AV	123m SW	Cuttings	1922	2108742

ID	Location	Land Use	Date	Group ID
AV	123m SW	Cuttings	1922	2108742
AV	123m SW	Cuttings	1938	2092392
B	124m W	Unspecified Ground Workings	1938	2065991
12	125m SW	Cuttings	1879	2104943
B	127m W	Unspecified Ground Workings	1938	2102029
B	127m W	Unspecified Ground Workings	1922	2102029
B	127m W	Unspecified Ground Workings	1938	2102029
B	127m W	Unspecified Ground Workings	1922	2102029
AV	129m SW	Cuttings	1879	2066819
AU	133m W	Unspecified Tank	1938	2077769
AU	134m W	Sedimentation Tanks	1922	2119131
AU	134m W	Unspecified Tank	1947	2077769
AV	135m SW	Cuttings	1973	2115150
AS	139m NW	Unspecified Tanks	1991	2105220
AS	139m NW	Unspecified Tanks	1985	2105220
AS	139m NW	Unspecified Tanks	1973	2116020
AV	140m SW	Cuttings	1900	2105480
AS	141m SW	Sewage Tanks	1938	2078191
AS	141m SW	Sewage Tanks	1922	2078191
AS	141m SW	Sewage Tanks	1938	2078191
AS	141m SW	Sewage Tanks	1922	2078191
AX	143m S	Railway Building	1947	2108495
AX	143m S	Railway Building	1938	2108495
AX	143m S	Railway Building	1922	2108495
AS	152m SW	Sewage Tanks	1947	2116856
AS	152m SW	Sewage Tanks	1922	2113279
AS	152m SW	Sewage Tanks	1900	2099425
AS	153m SW	Sewage Tanks	1938	2079173

ID	Location	Land Use	Date	Group ID
B	153m W	Filter Beds	1938	2065942
B	154m W	Filter Beds	1947	2065942
B	154m W	Filter Beds	1922	2065942
AZ	158m W	Sedimentation Tanks	1938	2085117
AZ	158m W	Sedimentation Tanks	1922	2085117
AZ	158m W	Sedimentation Tanks	1938	2085117
AZ	158m W	Sedimentation Tanks	1922	2085117
BA	159m NW	Old Chalk Pit	1888	2103516
BA	159m NW	Old Chalk Pit	1888	2103516
B	160m W	Unspecified Tanks	1938	2100856
BA	160m NW	Old Chalk Pit	1879	2105620
13	161m W	Motor Works	1938	2101981
BA	161m NW	Unspecified Ground Workings	1985	2066885
B	162m W	Unspecified Tanks	1938	2066595
B	162m W	Unspecified Tanks	1922	2066595
B	162m W	Unspecified Tanks	1938	2066595
B	162m W	Unspecified Tanks	1922	2066595
AZ	162m W	Sedimentation Tanks	1938	2094616
14	162m W	Motor Works	1947	2121998
BA	163m NW	Unspecified Ground Workings	1900	2084964
BA	163m NW	Unspecified Pit	1938	2068714
AZ	163m W	Sedimentation Tanks	1947	2094616
AZ	163m W	Sedimentation Tanks	1922	2094616
BA	163m NW	Unspecified Ground Workings	1991	2066885
AZ	164m W	Unspecified Tanks	1938	2054889
BA	165m NW	Unspecified Ground Workings	1947	2104418
BA	165m NW	Unspecified Ground Workings	1922	2084964
BA	166m NW	Unspecified Pit	1951	2063847

ID	Location	Land Use	Date	Group ID
BC	181m NW	Sewage Tanks	1938	2083084
AZ	183m W	Sedimentation Tanks	1938	2102060
BC	183m NW	Sewage Tanks	1947	2083084
BC	183m NW	Sewage Tanks	1922	2083084
AZ	184m W	Sedimentation Tanks	1947	2080209
AZ	184m W	Sedimentation Tanks	1922	2065051
16	184m W	Sedimentation Tanks	1947	2042551
AX	190m S	Railway Building	1879	2051321
BC	192m NW	Unspecified Ground Workings	1938	2060169
BD	192m NW	Motor Car Engineering Works	1947	2079413
BC	196m NW	Sewage Tanks	1938	2069427
BC	196m NW	Sewage Tanks	1922	2069427
BC	196m NW	Sewage Tanks	1938	2069427
BC	196m NW	Sewage Tanks	1922	2069427
BC	197m NW	Sewage Tanks	1938	2120043
BC	197m NW	Sewage Tanks	1922	2120043
BC	197m NW	Sewage Tanks	1938	2120043
BC	197m NW	Sewage Tanks	1922	2120043
BC	206m NW	Sewage Tanks	1938	2094555
BG	206m W	Motor Works	1938	2077847
BG	206m W	Motor Works	1938	2077847
BG	208m W	Motor Works	1938	2077847
BC	237m NW	Sewage Tanks	1938	2073187
BC	237m NW	Sewage Tanks	1922	2073187
BC	237m NW	Sewage Tanks	1938	2073187
BC	237m NW	Sewage Tanks	1922	2073187
AW	275m W	Sewage Farm	1900	2045655
BJ	290m NW	Motor Car Engineering Works	1922	2095477

ID	Location	Land Use	Date	Group ID
BD	290m NW	Motor Cars Engineering Works	1922	2084716
BD	290m NW	Motor Cars Engineering Works	1922	2084716
BJ	292m NW	Unspecified Commercial/Industrial	1938	2058218
BK	293m W	Unspecified Heap	1985	2119357
BK	293m W	Unspecified Heap	1973	2066976
BL	299m W	Unspecified Tanks	1991	2095684
BL	299m W	Unspecified Tanks	1985	2095684
BL	299m W	Unspecified Tanks	1973	2094486
AW	319m NW	Unspecified Works	1991	2093688
AW	319m NW	Unspecified Works	1985	2093688
AW	319m NW	Unspecified Works	1973	2065494
BN	332m NW	Railway Sidings	1973	2099080
18	336m NW	Railway Sidings	1951	2065416
BQ	362m W	Unspecified Heap	1985	2100520
BQ	362m W	Unspecified Heap	1973	2071788
BN	368m NW	Railway Sidings	1938	2064344
BN	375m NW	Railway Sidings	1947	2084919
BN	375m NW	Railway Sidings	1922	2074039
BN	376m NW	Railway Sidings	1938	2099393
BN	376m NW	Railway Sidings	1922	2072499
BN	376m NW	Railway Sidings	1938	2082745
BN	376m NW	Railway Sidings	1922	2095293
BN	383m NW	Railway Sidings	1938	2072077
BR	431m S	Unspecified Heap	1973	2053771
BS	432m NW	Unspecified Pit	1951	2093738
BR	433m S	Cuttings	1899	2061367
BS	434m NW	Unspecified Pit	1938	2093738
BS	434m NW	Unspecified Pit	1938	2093738

ID	Location	Land Use	Date	Group ID
BS	434m NW	Unspecified Pit	1922	2093738
BS	434m NW	Unspecified Pit	1938	2093738
BS	434m NW	Unspecified Pit	1922	2093738
BS	435m NW	Unspecified Pit	1947	2093738
BS	435m NW	Unspecified Pit	1922	2093738
BS	435m NW	Old Chalk Pit	1900	2043486
20	435m NW	Filter Bed	1973	2056049
BT	436m NW	Hydraulic Engineering Works	1922	2049650
BS	438m NW	Unspecified Pit	1938	2113035
BU	439m NW	Unspecified Ground Workings	1922	2110873
BU	439m NW	Unspecified Ground Workings	1922	2110873
AQ	440m W	Unspecified Ground Workings	1938	2070154
AQ	441m W	Unspecified Ground Workings	1922	2066513
AQ	441m W	Unspecified Ground Workings	1922	2066513
BV	443m W	Cuttings	1879	2067214
BW	445m NW	Unspecified Tanks	1985	2102144
BW	445m NW	Unspecified Tanks	1973	2117407
BV	445m W	Cuttings	1888	2085602
BV	445m W	Cuttings	1888	2085602
BN	465m NW	Hydraulic Engineering Works	1922	2086297
BN	465m NW	Hydraulic Engineering Works	1922	2086297
BY	481m N	Unspecified Quarry	1947	2074250
BY	481m N	Unspecified Quarry	1925	2074250
BR	495m S	Unspecified Heap	1973	2053773

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	97

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 27**

ID	Location	Land Use	Date	Group ID
9	On site	Tanks	1967	348011
H	On site	Unspecified Tank	1996	357020
H	On site	Unspecified Tank	1993	355400
H	On site	Unspecified Tank	1996	357020
H	On site	Tanks	1993	348041
K	On site	Tanks	1976	351231
K	On site	Tanks	1993	351231
M	On site	Unspecified Tank	1990	343023
M	On site	Unspecified Tank	1993	350223
M	On site	Unspecified Tank	1993	350223
Q	On site	Unspecified Tank	1979	356973
Q	On site	Unspecified Tank	1990	356973
Q	On site	Unspecified Tank	1993	356973
S	On site	Unspecified Tank	1979	358483
S	On site	Unspecified Tank	1979	358270
S	On site	Unspecified Tank	1979	358503
S	On site	Unspecified Tank	1990	358503
S	On site	Unspecified Tank	1990	358483
S	On site	Unspecified Tank	1990	358737
S	On site	Unspecified Tank	1993	351686
S	On site	Unspecified Tank	1993	358483
T	On site	Unspecified Tank	1993	343081
V	On site	Tanks	1967	348012

ID	Location	Land Use	Date	Group ID
V	**On site**	**Unspecified Tank**	**1981**	**343024**
X	**On site**	**Tanks**	**1993**	**348040**
X	**On site**	**Septic Tanks**	**1968**	**356668**
X	**On site**	**Septic Tanks**	**1973**	**356668**
X	**On site**	**Septic Tanks**	**1981**	**356668**
Y	**On site**	**Tanks**	**1993**	**348039**
Y	**On site**	**Septic Tanks**	**1968**	**353741**
Y	**On site**	**Septic Tanks**	**1973**	**353741**
Y	**On site**	**Septic Tanks**	**1981**	**353741**
Z	**On site**	**Unspecified Tank**	**1993**	**350239**
Z	**On site**	**Unspecified Tank**	**1993**	**350239**
AA	**On site**	**Unspecified Tank**	**1993**	**354399**
AA	**On site**	**Unspecified Tank**	**1993**	**354399**
I	10m SW	Tanks	1993	351704
I	19m SW	Tanks	1984	355530
I	24m S	Tanks	1993	356552
AI	32m SW	Tanks	1984	353951
AI	32m SW	Tanks	1974	353951
AI	38m SW	Unspecified Tank	1993	343088
AK	38m NW	Unspecified Tank	1967	356617
AK	39m NW	Unspecified Tank	1981	356617
I	43m S	Tanks	1984	355756
I	55m SW	Tanks	1993	354382
AI	56m SW	Tanks	1984	355198
AI	56m SW	Tanks	1974	355198
AI	57m SW	Tanks	1993	355198
I	70m S	Tanks	1984	357672
AS	99m SW	Sewage Tanks	1901	349675

ID	Location	Land Use	Date	Group ID
AS	99m SW	Sewage Tanks	1924	349675
AU	105m W	Sedimentation Tanks	1924	347538
AT	118m NW	Unspecified Tank	1979	343079
AS	119m SW	Sewage Tanks	1901	349905
AS	119m SW	Sewage Tanks	1924	349905
AS	138m NW	Tanks	1993	357771
AS	139m NW	Tanks	1984	357771
AS	139m NW	Unspecified Tank	1971	343084
AS	140m NW	Tanks	1962	357771
AS	140m NW	Tanks	1974	357771
AS	145m NW	Unspecified Tank	1971	343082
AS	149m SW	Sewage Tanks	1901	349772
AS	149m SW	Sewage Tanks	1924	349772
AS	153m SW	Tanks	1984	351946
AS	154m SW	Tanks	1962	351946
AS	154m SW	Tanks	1974	351946
AS	154m SW	Unspecified Tank	1971	343085
AS	155m SW	Tanks	1993	351946
AZ	158m W	Sedimentation Tanks	1924	347537
AS	162m NW	Unspecified Tank	1971	343083
BC	192m NW	Sewage Tanks	1924	354602
BC	194m NW	Sewage Tanks	1901	354602
BF	203m SE	Unspecified Tank	1993	354641
BF	203m SE	Unspecified Tank	1993	354641
BF	205m SE	Unspecified Tank	1971	358202
17	248m E	Tanks	1971	348010
BL	297m W	Unspecified Tank	1962	354394
BL	298m W	Tanks	1975	355038

ID	Location	Land Use	Date	Group ID
BL	298m W	Tanks	1961	355038
BL	298m W	Unspecified Tank	1993	354394
BL	301m W	Unspecified Tank	1962	352116
BL	302m W	Unspecified Tank	1993	352116
BL	315m W	Unspecified Tank	1962	351014
BL	315m W	Unspecified Tank	1993	351014
BL	321m W	Unspecified Tank	1962	356365
BL	322m W	Unspecified Tank	1993	356365
AQ	409m W	Unspecified Tank	1996	353962
AQ	410m W	Unspecified Tank	1986	353962
BW	445m NW	Unspecified Tank	1984	343179
BW	450m NW	Unspecified Tank	1984	343177
BW	463m NW	Unspecified Tank	1968	349887
BW	463m NW	Unspecified Tank	1984	357529
BW	463m NW	Unspecified Tank	1984	350460
BT	473m NW	Unspecified Tank	1996	343066
BT	480m NW	Unspecified Tank	1996	343067
BT	496m NW	Unspecified Tank	1996	343065

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**78**

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 27**

ID	Location	Land Use	Date	Group ID
6	**On site**	**Electricity Substation**	**1993**	**224990**
7	**On site**	**Electricity Substation**	**1994**	**224982**

ID	Location	Land Use	Date	Group ID
8	**On site**	**Electricity Substation**	**1967**	**224981**
C	**On site**	**Electricity Substation**	**1976**	**232415**
C	**On site**	**Electricity Substation**	**1993**	**232415**
S	**On site**	**Electricity Substation**	**1979**	**238313**
S	**On site**	**Electricity Substation**	**1990**	**238313**
S	**On site**	**Electricity Substation**	**1993**	**238313**
T	**On site**	**Electricity Substation**	**1993**	**224991**
U	**On site**	**Electricity Substation**	**1967**	**232755**
U	**On site**	**Electricity Substation**	**1981**	**238501**
U	**On site**	**Electricity Substation**	**1987**	**238501**
U	**On site**	**Electricity Substation**	**1991**	**238501**
U	**On site**	**Electricity Substation**	**1994**	**232755**
V	**On site**	**Electricity Substation**	**1987**	**238613**
V	**On site**	**Electricity Substation**	**1991**	**238613**
V	**On site**	**Electricity Substation**	**1994**	**238613**
W	**On site**	**Electricity Substation**	**1996**	**230295**
W	**On site**	**Electricity Substation**	**1993**	**230295**
W	**On site**	**Electricity Substation**	**1996**	**230295**
W	**On site**	**Electricity Substation**	**1973**	**230295**
W	**On site**	**Electricity Substation**	**1981**	**230295**
P	7m NW	Electricity Substation	1993	232399
P	8m NW	Electricity Substation	1989	232399
AB	14m NW	Electricity Substation	1993	232053
AB	15m NW	Electricity Substation	1979	232053
AB	15m NW	Electricity Substation	1990	232053
AF	25m N	Electricity Substation	1967	231580
AF	25m N	Electricity Substation	1981	231580
AF	25m N	Electricity Substation	1987	231580

ID	Location	Land Use	Date	Group ID
AF	25m N	Electricity Substation	1991	231580
AF	25m N	Electricity Substation	1987	231580
AF	26m N	Electricity Substation	1994	231580
AE	41m NW	Electricity Substation	1993	238409
AE	41m NW	Electricity Substation	1984	238409
AR	81m NW	Electricity Substation	1993	233982
AR	81m NW	Electricity Substation	1993	233982
AR	82m NW	Electricity Substation	1985	233982
AY	153m NE	Electricity Substation	1993	237673
AY	154m NE	Electricity Substation	1989	237673
BB	180m N	Electricity Substation	1993	236391
BB	180m N	Electricity Substation	1993	236391
BB	189m N	Electricity Substation	1985	224979
BH	240m NW	Electricity Substation	1985	233395
BH	240m NW	Electricity Substation	1993	233395
BH	240m NW	Electricity Substation	1993	233395
BH	241m NW	Electricity Substation	1984	233395
BH	241m NW	Electricity Substation	1982	233395
BH	241m NW	Electricity Substation	1982	233395
BI	265m NW	Gas Governor	1985	239621
BI	266m NW	Gas Governor	1993	233437
BI	266m NW	Gas Governor	1993	233437
BM	330m N	Electricity Substation	1996	231601
BM	330m N	Electricity Substation	1994	231601
BO	332m NW	Electricity Substation	1974	239862
BO	333m NW	Electricity Substation	1993	239862
19	344m NE	Electricity Substation	1989	224980
BP	351m NW	Electricity Substation	1990	234081

ID	Location	Land Use	Date	Group ID
BP	351m NW	Electricity Substation	1984	234081
AQ	419m W	Electricity Substation	1996	236886
AQ	420m W	Electricity Substation	1986	236886
AQ	438m W	Electricity Substation	1996	239344
AQ	439m W	Electricity Substation	1986	239344
BX	457m N	Electricity Substation	1996	231356
BX	457m N	Electricity Substation	1994	231356
BT	470m NW	Electricity Substation	1996	224992
AQ	477m W	Electricity Substation	1996	238963
AQ	478m W	Electricity Substation	1986	229123
BZ	482m W	Electricity Substation	1975	239690
BZ	482m W	Electricity Substation	1993	239690
AQ	483m W	Electricity Substation	1996	229123
AQ	484m W	Electricity Substation	1986	229123
CA	484m NW	Electricity Substation	1993	235381
CA	484m NW	Electricity Substation	1974	235381
AQ	491m W	Electricity Substation	1996	230952
AQ	492m W	Electricity Substation	1986	230952
AQ	496m W	Electricity Substation	1996	230952
AQ	497m W	Electricity Substation	1986	230952

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	**5**

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 27**

ID	Location	Land Use	Date	Group ID
R	**On site**	**Filling Station**	**1981**	**4034**
R	**On site**	**Filling Station**	**1987**	**4034**
R	**On site**	**Filling Station**	**1991**	**4034**
15	164m NW	Filling Station	1984	3829
BE	198m NW	Filling Station	1979	3831

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	**5**

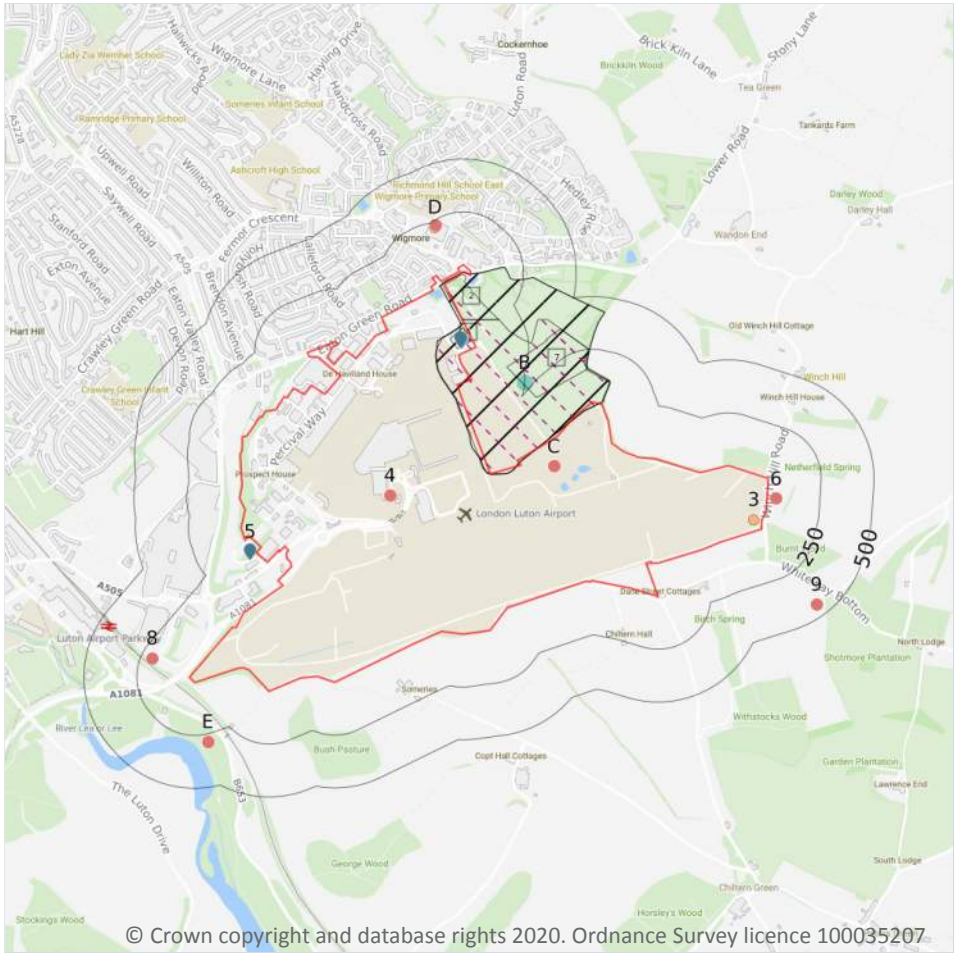
Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 27**

ID	Location	Land Use	Date	Group ID
AT	100m NW	Garage	1979	70067
AT	101m NW	Garage	1967	72251
AT	101m NW	Garage	1962	72251
AT	101m NW	Garage	1962	70324
BE	195m NW	Garage	1967	69243

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	1

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

Features are displayed on the Waste and landfill map on **page 48**

ID	Location	Address	BGS Number	Risk	Waste Type
B	250m E	Town Refuse Tip, Eaton Grn Rd, Luton, Beds	1251	Risk to major aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m **5**

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

Features are displayed on the Waste and landfill map on **page 48**

ID	Location	Site address	Source	Data type
2	**On site**	**Refuse Tip**	**1971 mapping**	**Polygon**
A	**On site**	**Public Refuse Tip**	**1990 mapping**	**Polygon**
A	**On site**	**Public Refuse Tip**	**1993 mapping**	**Polygon**
B	**On site**	**Refuse Tip**	**1971 mapping**	**Polygon**
7	147m NW	Landfill Site	1990 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m **1**

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

Features are displayed on the Waste and landfill map on **page 48**

ID	Location	Details		
1	**On site**	**Site Address: Luton Airport, Eaton Green Road, Luton, Bedfordshire** **Licence Holder Address: -**	**Waste Licence: -** **Site Reference: 7/1976, 32/1993** **Waste Type: Inert, Industrial, Commercial, Household, Liquid sludge** **Environmental Permitting Regulations (Waste) Reference: -** **Licence Issue: -** **Licence Surrender: -**	**Operator: Luton County Borough Council** **Licence Holder: Luton Borough Council** **First Recorded 01/01/1937** **Last Recorded: 01/01/1978**

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

3.5 Historical waste sites

Records within 500m	**2**

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 48**

ID	Location	Address	Further Details	Date
3	**On site**	**Site Address: London Luton Airport, Airport Way, Luton, Bedfordshire, LU2 9LY**	**Type of Site: Land Reclamation Works Planning application reference: 17/02219/FUL Description: Scheme comprises the movement and reuse of up to 331,400 metres cubed (m3) of spoil material and the permanent placement of the spoil material on six sites within london luton airport and diversion of the airside perimeter road (the 'construction of deve lopment'). Data source: Historic Planning Application Data Type: Point**	**02/03/2018**
D	194m NW	Site Address: Asda Stores Ltd,Wigmore Lane, Wigmore Park Centre, LUTON, Bedfordshire, LU2 9TA	Type of Site: Recycling Area Planning application reference: 09/00213/FUL Description: Scheme comprises installation of 2 security barriers and relocation of recycling area and trolley bay. An application (ref: 09/00213/FUL) for detailed planning permission was granted by Luton B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	02/09/2009

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

3.6 Licensed waste sites

Records within 500m	**6**

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

Features are displayed on the Waste and landfill map on **page 48**

ID	Location	Details		
A	On site	Site Name: Luton Tidy Tip, Eaton Green Road Ca Site Site Address: Luton Tidy Tip, CA Site, Eaton Green Road, Luton, Beds, LU2 9JB Correspondence Address: Waste Recycling Group, Sutton Courtenay Lanfill Site, Appleford Sidings, Abingdon, Oxon, OX14 4PW	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: - Operator: Waste Recycling Limited Waste Management licence No: 80489 Annual Tonnage: 0	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified:: 31/05/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	On site	Site Name: Luton Tidy Tip, Eaton Green Road Ca Site Site Address: Luton Tidy Tip, CA Site, Eaton Green Road, Luton, Beds, LU2 9JB Correspondence Address: Waste Recycling Group, Sutton Courtenay Lanfill Site, Appleford Sidings, Abingdon, Oxon, OX14 4PW	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: - Operator: Waste Recycling Ltd Waste Management licence No: 80489 Annual Tonnage: 0	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified:: 31/05/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	On site	Site Name: Luton Tidy Tip, Eaton Green Road Ca Site Site Address: Luton Tidy Tip, CA Site, Eaton Green Road, Luton, Beds, LU2 9JB Correspondence Address: Mr R Taafe T/A C A Management Services, Waste Management Div, Central Depot, Kingsway, Luton, Beds, LU4 8AU	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LUT006 EPR reference: - Operator: Luton Borough Council Waste Management licence No: 80489 Annual Tonnage: 0	Issue Date: 01/04/1993 Effective Date: 31/05/2001 Modified:: 31/05/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	On site	Site Name: Eaton Green Civic Amenity Site Site Address: Land/ Premises At, Eaton Green Road, Luton, Bedfordshire, LU2 9NW Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: EA/EPR/XP3597NS/V002 Operator: Waste Recycling Ltd Waste Management licence No: 80489 Annual Tonnage: 24999	Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified:: 07/12/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
A	**On site**	**Site Name: Eaton Green Household Waste Recycling Centre Site Address: Eaton Green H W R C, Eaton Green Road, Luton, Bedfordshire, LU2 9HB Correspondence Address: -**	**Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS009 EPR reference: EA/EPR/XP3597NS/V004 Operator: F C C Recycling (U K) Limited Waste Management licence No: 80489 Annual Tonnage: 24999**	**Issue Date: 01/04/1993 Effective Date: 30/04/2004 Modified:: 27/09/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified**
5	31m W	Site Name: Vauxhall Airport Way (Kimpton Lane) Site Address: Andy Ronald, Central Services, Kimpton Road, Luton, Bedfordshire, LU2 0TY Correspondence Address: -	Type of Site: In-House Storage Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VAU001 EPR reference: EA/EPR/LP3197NX/V003 Operator: Vauxhall Motors Ltd Waste Management licence No: 80459 Annual Tonnage: 75000	Issue Date: 22/04/1981 Effective Date: - Modified:: 30/06/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC

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

3.7 Waste exemptions

Records within 500m **10**

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

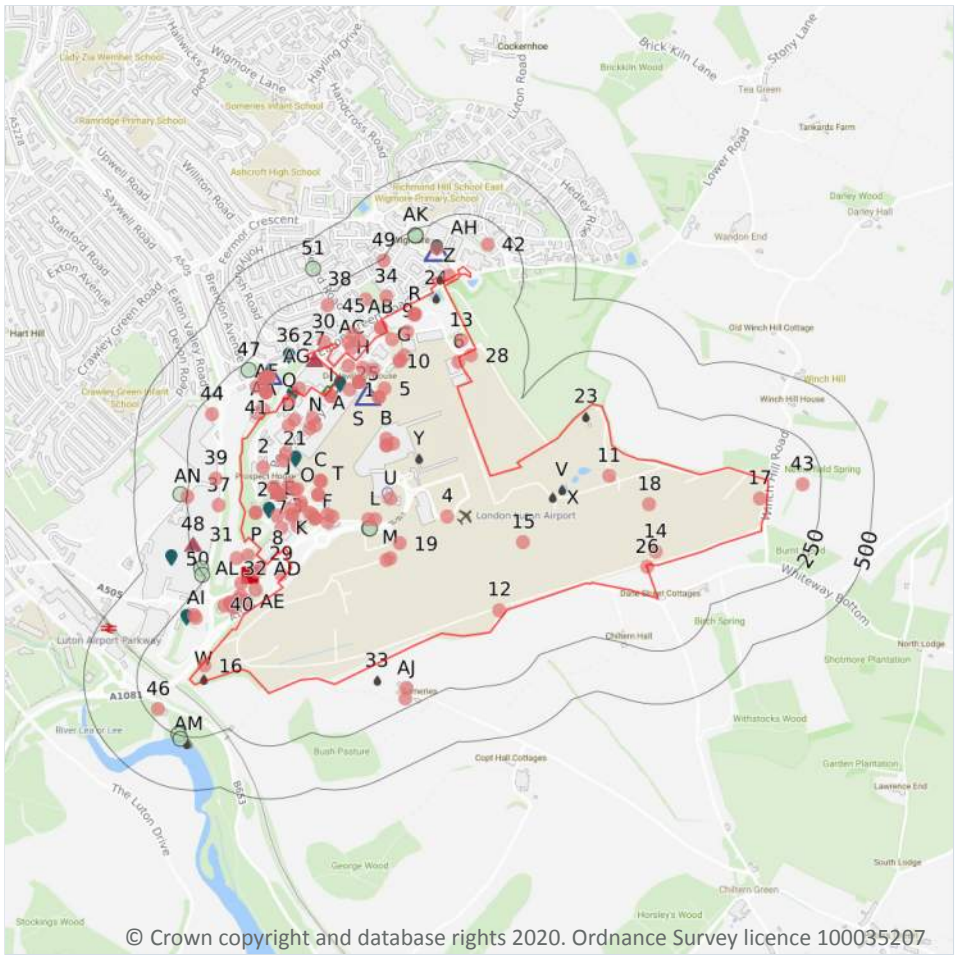
Features are displayed on the Waste and landfill map on **page 48**

ID	Location	Site	Reference	Category	Sub-Category	Description
4	**On site**	**London Luton Airport Hanger 24 Luton LU2 9LY**	**EPR/WF0602GS/A001**	**Treating waste exemption**	**Non-Agricultural Waste Only**	**Crushing waste fluorescent tubes**
C	**On site**	**Luton Airport LUTON Bedfordshire LU2 9NY**	**EPR/PH0316YD/A001**	**Storing waste exemption**	**Non-Agricultural Waste Only**	**Storage of waste in a secure place**

ID	Location	Site	Reference	Category	Sub-Category	Description
C	**On site**	**Luton Airport LUTON Bedfordshire LU2 9NY**	**EPR/PH0316YD/A001**	**Treating waste exemption**	**Non-Agricultural Waste Only**	**Screening and blending of waste**
6	43m E	Rudwick Hall Farm Ansells End Kimpton Hertfordshire SG4 8HD	EPR/SE5948GQ/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
8	198m NW	-	WEX122511	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	224m NW	Asda Luton Wigmore Lane LUTON LU2 9TA	EPR/JE5856JC/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
E	289m S	Land at Grid Reference: TL 11000 20000	EPR/SE5443VA/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	289m S	Land at Grid Reference: TL 11000 20000	EPR/SE5443VA/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
E	289m S	Land at Grid Reference: TL 11000 20000	EPR/SE5443VA/A001	Using waste exemption	Non-Agricultural Waste Only	Use of mulch
9	442m SE	-	WEX109050	Storing waste exemption	On a farm	Storage of sludge

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	129

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
2	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
3	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
4	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
5	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
6	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
7	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
8	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
9	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
10	On site	Mast	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
11	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
12	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
13	On site	Recycling Centre	Bedfordshire, LU2	Recycling Centres	Infrastructure and Facilities
14	On site	Mast	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
15	On site	London Luton Airport	Bedfordshire, LU2	Airports and Landing Strips	Air
16	On site	Runway Approach Light	Bedfordshire, LU1	Aeronautical Features	Air
17	On site	Air Light Beacons	Bedfordshire, LU2	Aeronautical Features	Air
18	On site	Wind Sock	Bedfordshire, LU2	Aeronautical Features	Air
19	On site	Luton Airport Fire Station	Luton Airport, Airport Way, Luton, Bedfordshire, LU2	Fire Brigade Stations	Central and Local Government
20	On site	David Berryman	Unit B Airport Executive Park, President Way, Luton, Bedfordshire, LU2 9NY	Non Alcoholic Drinks	Foodstuffs

ID	Location	Company	Address	Activity	Category
A	On site	First Class Cars	Kensal House, President Way, Luton, Bedfordshire, LU2 9NL	Vehicle Hire and Rental	Hire Services
A	On site	A E M	De Havilland House, President Way, Luton, Bedfordshire, LU2 9NL	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
A	On site	Kensal Handling System Ltd	Kensal House, President Way, Luton, Bedfordshire, LU2 9NR	Lifting and Handling Equipment	Industrial Products
B	On site	Avis Rent A Car	Presidents Way, London Luton Airport, Luton, Bedfordshire, LU2 9LY	Vehicle Hire and Rental	Hire Services
B	On site	Budget Rent A Car	Presidents Way, London Luton Airport, Luton, Bedfordshire, LU2 9LY	Vehicle Hire and Rental	Hire Services
B	On site	Left Luggage - Baggage Storage (Lockers)	London Luton Airport Pre Security, Airport Way, Luton Airport, Luton, Bedfordshire, LU2 9LY	Container and Storage	Transport, Storage and Delivery
B	On site	London Luton Airport	Navigation House, Airport Way, London Luton Airport, Luton, Bedfordshire, LU2 9LY	Airports and Landing Strips	Air
C	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
C	On site	Pylon	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
D	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
D	On site	Alpha LSG	Provost Way, London Luton Airport, Luton, Bedfordshire, LU2 9PB	Aeroplanes	Industrial Products
E	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
E	On site	Sixt	Prudence Place, Proctor Way, Luton, Bedfordshire, LU2 9PE	Vehicle Hire and Rental	Hire Services
E	On site	Sky Airport Transfer	Prudence Place, Luton, Bedfordshire, LU2 9PE	Airlines and Airline Services	Transport, Storage and Delivery
F	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
F	On site	Pylon	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
F	On site	Mast (Telecommunication)	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
G	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
G	On site	Harrods Aviation	Hangar 129, President Way, Luton, Bedfordshire, LU2 9NW	Aeroplanes	Industrial Products
G	On site	Pendley Aviation	Hangar 129, President Way, Luton, Bedfordshire, LU2 9NW	Aircraft Charters	Contract Services
H	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
H	On site	Dot Group International	Unit 2, Prince Way, Luton, Bedfordshire, LU2 9PD	Office and Shop Equipment	Industrial Products
I	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
I	On site	G K N Aerospace	Percival Way, London Luton Airport, Luton, Bedfordshire, LU2 9PQ	Aeroplanes	Industrial Products
J	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
J	On site	Pylon	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
J	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
J	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
J	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
J	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
J	On site	Mast (Telecommunication)	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
K	On site	Depot	Bedfordshire, LU2	Container and Storage	Transport, Storage and Delivery
K	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
K	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
K	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
K	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
K	On site	World Fuel Services	Percival Way, London Luton Airport, Luton, Bedfordshire, LU2 9PA	Aeroplanes	Industrial Products
L	On site	Pylon	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
L	On site	Radar Tower	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
M	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
M	On site	Masts	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
N	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
N	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
N	On site	Applus UK Ltd	Building 27, Percival Way, London Luton Airport, Luton, Bedfordshire, LU2 9PA	Aviation Engineers	Engineering Services
O	On site	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
O	On site	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
P	On site	The Charter Company	Essex House, Proctor Way, Luton, Bedfordshire, LU2 9PE	Aircraft Charters	Contract Services
P	On site	Ambrion Aviation	Essex House, Proctor Way, Luton, Bedfordshire, LU2 9PE	Airlines and Airline Services	Transport, Storage and Delivery
Q	On site	Menzies Aviation	Provost Way, London Luton Airport, Luton, Bedfordshire, LU2 9PB	Aeroplanes	Industrial Products
R	On site	Europcar	Car Hire Centre Building 250, Luton Airport President Way, London Luton Airport, Luton, Bedfordshire, LU2 9LY	Vehicle Hire and Rental	Hire Services
R	On site	Enterprise Rent-A-Car	Car Rental Airport, President Way, Luton, Bedfordshire, LU2 9NL	Vehicle Hire and Rental	Hire Services
R	On site	Hertz Car Hire	Airport Building 250 President Way, London Luton Airport, Luton, Bedfordshire, LU2 9LY	Vehicle Hire and Rental	Hire Services
S	On site	Landmark Aviation	Britannia House 135, Frank Lester Way, London Luton Airport, Luton, Bedfordshire, LU2 9NQ	Aircraft Charters	Contract Services

ID	Location	Company	Address	Activity	Category
S	**On site**	**Signature Flight Support**	**Britannia House 135, Frank Lester Way, London Luton Airport, Luton, Bedfordshire, LU2 9NQ**	**Aeroplanes**	**Industrial Products**
T	**On site**	**Speedbird Air Ltd**	**Signature Flight Support Terminal 1, Percival Way, London Luton Airport, Luton, Bedfordshire, LU2 9PA**	**Aircraft Charters**	**Contract Services**
T	**On site**	**Signature Flight Support**	**Signature Flight Support Terminal 1, Percival Way, London Luton Airport, Luton, Bedfordshire, LU2 9PA**	**Airlines and Airline Services**	**Transport, Storage and Delivery**
U	**On site**	**Luton Airport Taxis Ltd**	**Navigation House, Airport Way, London Luton Airport, Luton, Bedfordshire, LU2 9LY**	**Airlines and Airline Services**	**Transport, Storage and Delivery**
26	1m E	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
Z	11m NW	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
28	15m SE	Mast (Telecommunication)	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
29	17m NW	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
AA	19m NW	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
AB	19m SW	T C R	Unit M Airport Executive Park, President Way, Luton, Bedfordshire, LU2 9NY	Aviation Engineers	Engineering Services
AB	20m SW	Ssangyong UK Motor Ltd	Unit D-E Airport Executive Park, President Way, Luton, Bedfordshire, LU2 9NY	New Vehicles	Motoring
Q	20m NE	Chimney	Bedfordshire, LU2	Chimneys	Industrial Features
30	28m N	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
AA	29m NW	Works	Bedfordshire, LU2	Unspecified Works Or Factories	Industrial Features
AC	35m NE	Airport	Bedfordshire, LU2	Airports and Landing Strips	Air
AD	40m SW	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
31	42m W	Works	Bedfordshire, LU2	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
AC	45m NW	Air Cargo & Container Services Ltd	Unit H, President Way, Luton, Bedfordshire, LU2 9NL	Distribution and Haulage	Transport, Storage and Delivery
AE	48m NW	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
AC	50m E	Moog Fernau Ltd	Unit C Airport Executive Park, President Way, Luton, Bedfordshire, LU2 9NY	Aviation Engineers	Engineering Services
AE	57m NW	Europcar	Barratt Industrial Park, Airport Way, Luton, Bedfordshire, LU2 9NH	Vehicle Hire and Rental	Hire Services
AD	59m SW	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
AE	60m NW	Barratt Industrial Park	Bedfordshire, LU2	Business Parks and Industrial Estates	Industrial Features
32	69m NW	Depot	Bedfordshire, LU2	Container and Storage	Transport, Storage and Delivery
AE	75m NW	Gledhill Building Products	Unit 7 Barratt Industrial Park, Airport Way, Luton, Bedfordshire, LU2 9NH	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
34	86m NW	A P F Ltd	33, Barnston Close, Luton, Bedfordshire, LU2 9RZ	Distribution and Haulage	Transport, Storage and Delivery
AE	86m NW	Agility Logistics	Unit 3 Barratt Industrial Park, Airport Way, Luton, Bedfordshire, LU2 9NH	Distribution and Haulage	Transport, Storage and Delivery
AE	86m NW	Bell Packaging	Unit 8 Barratt Industrial Park, Airport Way, Luton, Bedfordshire, LU2 9NH	Packaging	Industrial Products
AE	86m NW	I C W Powermode	Unit 2 Barratt Industrial Park, Airport Way, Luton, Bedfordshire, LU2 9NH	Electrical Production and Manipulation Equipment	Industrial Products
35	87m SW	Travelling Crane	Bedfordshire, LU2	Travelling Cranes and Gantries	Industrial Features
AF	88m NW	Land Rover Service Centres	Eaton Green Road, Luton, Bedfordshire, LU2 9LD	Vehicle Repair, Testing and Servicing	Repair and Servicing
AF	88m NW	Ford Approved Service Centres	Eaton Green Road, Luton, Bedfordshire, LU2 9LD	Vehicle Repair, Testing and Servicing	Repair and Servicing
AF	88m NW	Cougar Accident Repair Centre	Eaton Green Road, Luton, Bedfordshire, LU2 9LD	Vehicle Repair, Testing and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
AC	89m NE	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
37	102m W	Works	Bedfordshire, LU2	Unspecified Works Or Factories	Industrial Features
AE	103m NW	I C W Powermode	Unit 2 Barratt Industrial Park, Airport Way, Luton, Bedfordshire, LU2 9NH	Electrical Production and Manipulation Equipment	Industrial Products
38	120m NW	Mast (Telecommunication)	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
39	121m W	Works	Bedfordshire, LU2	Unspecified Works Or Factories	Industrial Features
AG	126m NW	Shell Car Wash	Petrol Filling Station 91, Eaton Green Road, Luton, Bedfordshire, LU2 9HD	Vehicle Cleaning Services	Personal, Consumer and Other Services
AG	126m NW	Shell Service Station	Petrol Filling Station 91, Eaton Green Road, Luton, Bedfordshire, LU2 9HD	Petrol and Fuel Stations	Road and Rail
AG	131m NW	Shell Luton Airport	Eaton Green Road, Luton, Bedfordshire, LU2 9HD	Petrol and Fuel Stations	Road and Rail
40	131m NW	Works	Bedfordshire, LU2	Unspecified Works Or Factories	Industrial Features
41	135m N	Just Click 4 Chauffeurs	The Coach Yard, Eaton Green Road, Luton, Bedfordshire, LU2 9HD	Vehicle Hire and Rental	Hire Services
AG	136m NW	Shell Luton Airport	Eaton Green Road, Luton, Bedfordshire, LU2 9HD	Vehicle Cleaning Services	Personal, Consumer and Other Services
AH	139m N	Asda Petrol	Wigmore Hall Shopping Centre, Wigmore Lane, Luton, Bedfordshire, LU2 9TA	Petrol and Fuel Stations	Road and Rail
42	156m NE	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
43	161m E	Air Light Beacons	Hertfordshire, LU2	Aeronautical Features	Air
AI	164m NW	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
AJ	166m SE	Carlow Plant & Commercials Ltd	Someries Farm, Someries, Luton, Bedfordshire, LU2 9PL	Industrial Repairs and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
AI	183m NW	Thurlow Nunn	Kimpton Road, Luton, Bedfordshire, LU2 0TB	New Vehicles	Motoring
44	185m NW	Mast (Telecommunication)	Bedfordshire, LU2	Telecommunications Features	Infrastructure and Facilities
45	186m N	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
46	206m SW	Luton Sea Cadets and RMC	Bedfordshire, LU1	Armed Services	Central and Local Government
AJ	207m SE	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features
49	243m NW	Electricity Sub Station	Bedfordshire, LU2	Electrical Features	Infrastructure and Facilities
AN	246m W	Tank	Bedfordshire, LU2	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**3**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Address	LPG	Status
25	**On site**	**OBSOLETE**	**Airport Approach Road, Luton, Luton, LU2 9PF**	**Not Applicable**	**Obsolete**
AH	127m N	ASDA	Wigmore Lane, Wigmore, Luton, Luton, LU2 9TA	No	Open
AG	137m NW	SHELL	Eaton Green Road, Luton, Luton, LU2 9HD	Yes	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	1

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

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Address	Operational status	Tier
J	**On site**	**Shell UK Oil Products Limited**	**Shell UK Oil Products Limited, Luton Airport, Terminal Building, Percival Way, Luton, Bedfordshire, LU2 9LU**	**Current COMAH Site**	**COMAH Lower Tier Operator**

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	1

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.

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Company	Operational Address
I	**On site**	**Gkn Aerospace Transparency Systems (Kings Norton)**	**Percival Way, London Luton Airport, Luton, LU2 9PQ**

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	3

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

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Details	
J	**On site**	**Application reference number: 05/01110/HAZ** **Application status: Approved** **Application date: 12/07/2005** **Address: Shell UK Oil Products Ltd, Airport Fuel Storage Depot, Percival Way, Luton, Beds, England, LU2 9LU**	**Details: Storage of Jet A-1 fuel within 4 storage tanks.** **Enforcement: No Enforcement Notified** **Date of enforcement: No Enforcement Notified** **Comment: No Enforcement Notified**
27	1m S	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: GKN Aerospace Transparency SystemsS(LUTON) LTD, Percival Way, Luton Airport, Luton, Bedfordshire, England	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
48	238m W	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: IBC Vehicles Ltd, PO Box 163, Kimpton Road, Luton, Bedfordshire, LU2 0TY	Details: No details. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Details	
U	**On site**	**Operator: LONDON LUTON AIRPORT OPERATIONS LIMITED** **Installation Name: LONDON LUTON AIRPORT** **Process: NEW MEDIUM COMBUSTION PLANT** **Permit Number: BP3603PE** **Original Permit Number: BP3603PE**	**EPR Reference: -** **Issue Date: 18/12/2019** **Effective Date: 18/12/2019** **Last date noted as effective: 26/10/2020** **Status: EFFECTIVE**

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

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

Records within 500m **10**

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 54**

ID	Location	Address	Details	
21	**On site**	**Aerospace Composites, Luton Airport, LU2 9PQ**	**Process: Coating Processes** **Status: Historical Permit** **Permit Type: Part B**	**Enforcement: No Enforcement Notices** **Date of enforcement: No Enforcement Notices** **Comment: No Enforcement Notices**
22	**On site**	**T & D Automotive, Airport Way**	**Process: Coating Processes** **Status: Historical Permit** **Permit Type: Part B**	**Enforcement: No Enforcement Notices** **Date of enforcement: No Enforcement Notices** **Comment: No Enforcement Notices**
I	**On site**	**GKN Aerospace, Percival Way, LU2 9LU**	**Process: Coating Processes** **Status: Current Permit** **Permit Type: Part B**	**Enforcement: No Enforcement Notices** **Date of enforcement: No Enforcement Notices** **Comment: No Enforcement Notices**
Q	**On site**	**Airline Services, Building 160, Provost Way, Luton, LU2 9PB**	**Process: Dry Cleaning** **Status: Current Permit** **Permit Type: Part B**	**Enforcement: No Enforcement Notices** **Date of enforcement: No Enforcement Notices** **Comment: No Enforcement Notices**
36	91m W	Kez's Dry Cleaners, 13 Eaton Green Road, LU2 9HE	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
AG	129m NW	Airport Service Station, 3 Eaton Green Road, LU2 9HD	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices

ID	Location	Address	Details	
AG	132m NW	Shell Luton Airport, Eaton Green Road, LU2 9HD	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
AH	140m N	Asda, Wigmore Lane, Stopsley, Luton, LU2 9TA	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
AI	201m NW	Ibc Vehicles, Kimpton Rd, Luton, Bedfordshire, LU2 0TY	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
50	355m W	IBC Vehicles, Kimpton Rd, Luton, Bedfordshire, LU2 0TY	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices

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	**22**

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 54**

ID	Location	Address	Details	
23	**On site**	**LONDON LUTON AIRPORT OPERATIONS LTD, NAVIGATION HOUSE, LONDON LUTON AIRPORT, LUTON, LU2 9LY**	**Effluent Type: TRADE DISCHARGES - SITE DRAINAGE** **Permit Number: CANM.0448** **Permit Version: 1** **Receiving Water: LAND VIA SUB-IRRIGATION**	**Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995)** **Issue date: 27/09/2002** **Effective Date: 27/09/2002** **Revocation Date: -**

ID	Location	Address	Details	
24	On site	LUTON AIRPORT NORTHERN SOAKAWAY, PRESIDENT WAY, LONDON LUTON AIRPORT, LUTON, BEDFORDSHIRE, LU2 9PD	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRRP3221GC Permit Version: 1 Receiving Water: TO GROUND	Status: NEW ISSUED UNDER EPR 2010 Issue date: 11/04/2012 Effective Date: 11/04/2012 Revocation Date: -
V	On site	VFK SITE OFFICES, SITE 1, KIMPTON ROAD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRMB3497AD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/06/2019 Effective Date: 27/06/2019 Revocation Date: -
V	On site	VFK SITE OFFICES, SITE 1, KIMPTON ROAD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRMB3497AD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/06/2019 Effective Date: 27/06/2019 Revocation Date: -
W	On site	VFK SITE OFFICES, SITE 1, KIMPTON ROAD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRMB3497AD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/06/2019 Effective Date: 27/06/2019 Revocation Date: -
W	On site	VFK SITE OFFICES, SITE 1, KIMPTON ROAD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRMB3497AD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/06/2019 Effective Date: 27/06/2019 Revocation Date: -
W	On site	VFK SITE OFFICES, SITE 1, KIMPTON ROAD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRMB3497AD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/06/2019 Effective Date: 27/06/2019 Revocation Date: -
W	On site	VFK SITE OFFICES, SITE 1, KIMPTON ROAD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: EPRMB3497AD Permit Version: 1 Receiving Water: GROUNDWATER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/06/2019 Effective Date: 27/06/2019 Revocation Date: -

ID	Location	Address	Details	
X	**On site**	**LUTON AIRPORT, LUTON, BEDFORDSHIRE, LUTON AIRPORT LUTON BEDFORDSHI, RE**	**Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: CNTM.0180 Permit Version: 1 Receiving Water: CHALK**	**Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/04/1992 Effective Date: 22/04/1992 Revocation Date: 30/05/2013**
X	**On site**	**LUTON AIRPORT, LUTON, BEDFORDSHIRE, LUTON AIRPORT LUTON BEDFORDSHI, RE**	**Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: CNTM.0180 Permit Version: 2 Receiving Water: CHALK**	**Status: VARIED UNDER EPR 2010 Issue date: 31/05/2013 Effective Date: 31/05/2013 Revocation Date: -**
Y	**On site**	**THE PAY STATION AT CAR PARK A, LOND, THE PAY STATION AT CAR PARK A L, ONDON LUTON AIRPORT LUTON BEDF, ORDSHIRE**	**Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1315 Permit Version: 1 Receiving Water: GRAVEL**	**Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 04/03/1994 Effective Date: 04/03/1994 Revocation Date: 18/01/2006**
Y	**On site**	**THE PAY STATION AT CAR PARK A, LOND, THE PAY STATION AT CAR PARK A L, ONDON LUTON AIRPORT LUTON BEDF, ORDSHIRE**	**Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CNTM.1315 Permit Version: 2 Receiving Water: GRAVEL**	**Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 19/01/2006 Effective Date: 19/01/2006 Revocation Date: 19/01/2018**
Z	8m NE	Wigmore Bottom, Luton, Wigmore Bottom, Luton	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.2256 Permit Version: 1 Receiving Water: LEE	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010
Z	8m NE	Wigmore Bottom, Luton, Wigmore Bottom, Luton	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.2256 Permit Version: 2 Receiving Water: Lee	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 19/08/2014
33	72m SE	LUTON (EAST HYDE) WWTW, WEST HYDE ROAD, LUTON, BEDFORDSHIRE, LU1 3TS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: CLCP.0136 Permit Version: 1 Receiving Water: LEE	Status: REVOKED - UNSPECIFIED Issue date: 08/08/1963 Effective Date: 31/01/1985 Revocation Date: 14/12/1989

ID	Location	Address	Details	
AM	284m S	KIMPTON ROAD CSO, KIMPTON RD, LUTON, LU2 0JY	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CANM.0473 Permit Version: 1 Receiving Water: THE RIVER LEE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/09/2002 Effective Date: 26/09/2002 Revocation Date: 22/06/2003
AM	285m S	THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM LUTON HOO , LUTON BEDFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CNTM.0213 Permit Version: 1 Receiving Water: RIVER LEE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/05/1992 Effective Date: 07/05/1992 Revocation Date: 07/03/1993
AM	285m S	THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM LUTON HOO , LUTON BEDFORDSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CNTM.0213 Permit Version: 1 Receiving Water: RIVER LEE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/05/1992 Effective Date: 07/05/1992 Revocation Date: 07/03/1993
AM	285m S	THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM LUTON HOO , LUTON BEDFORDSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CNTM.0213 Permit Version: 1 Receiving Water: RIVER LEE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 07/05/1992 Effective Date: 07/05/1992 Revocation Date: 07/03/1993
AM	285m S	THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM LUTON HOO , LUTON BEDFORDSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: CNTM.0213 Permit Version: 2 Receiving Water: RIVER LEE	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/05/1992 Effective Date: 08/03/1993 Revocation Date: -
AM	285m S	THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM LUTON HOO , LUTON BEDFORDSHIRE	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: CNTM.0213 Permit Version: 2 Receiving Water: RIVER LEE	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/05/1992 Effective Date: 08/03/1993 Revocation Date: -
AM	285m S	THE SEWERAGE SYSTEM, LUTON HOO, LUT, THE SEWERAGE SYSTEM LUTON HOO , LUTON BEDFORDSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CNTM.0213 Permit Version: 2 Receiving Water: RIVER LEE	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 07/05/1992 Effective Date: 08/03/1993 Revocation Date: -

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	3

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

Features are displayed on the Current industrial land use map on **page 54**

ID	Location	Name	Status	Receiving Water	Authorised Substances
AD	93m SW	Vauxhall Motors Kimpton Road Luton	Not Active	-	-
AD	93m SW	Vauxhall Motors Kimpton Road Luton	Not Active	-	-
AD	93m SW	Vauxhall Motors Ltd, Kimpton Road, Luton	Not Active	Lee	Mercury (other), Cadmium

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	**11**

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 54**

ID	Location	Details	
L	**On site**	**Incident Date: 13/10/2001** **Incident Identification: 36419** **Pollutant: Organic Chemicals/Products** **Pollutant Description: Surfactants and Detergents**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 4 (No Impact)** **Air Impact: Category 4 (No Impact)**
L	**On site**	**Incident Date: 16/01/2002** **Incident Identification: 52824** **Pollutant: Organic Chemicals/Products** **Pollutant Description: Surfactants and Detergents**	**Water Impact: Category 4 (No Impact)** **Land Impact: Category 4 (No Impact)** **Air Impact: Category 4 (No Impact)**
47	214m NW	Incident Date: 07/07/2001 Incident Identification: 14602 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
AK	224m NW	Incident Date: 22/08/2002 Incident Identification: 102538 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
AK	224m NW	Incident Date: 22/08/2002 Incident Identification: 102538 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
AL	242m SW	Incident Date: 22/07/2013 Incident Identification: 1137214 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
AM	245m S	Incident Date: 26/07/2001 Incident Identification: 19403 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)
AL	254m SW	Incident Date: 13/08/2012 Incident Identification: 1025254 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

ID	Location	Details	
AM	266m S	Incident Date: 01/08/2002 Incident Identification: 123305 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
AN	283m W	Incident Date: 20/01/2006 Incident Identification: 373127 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
51	370m N	Incident Date: 24/02/2014 Incident Identification: 1211679 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

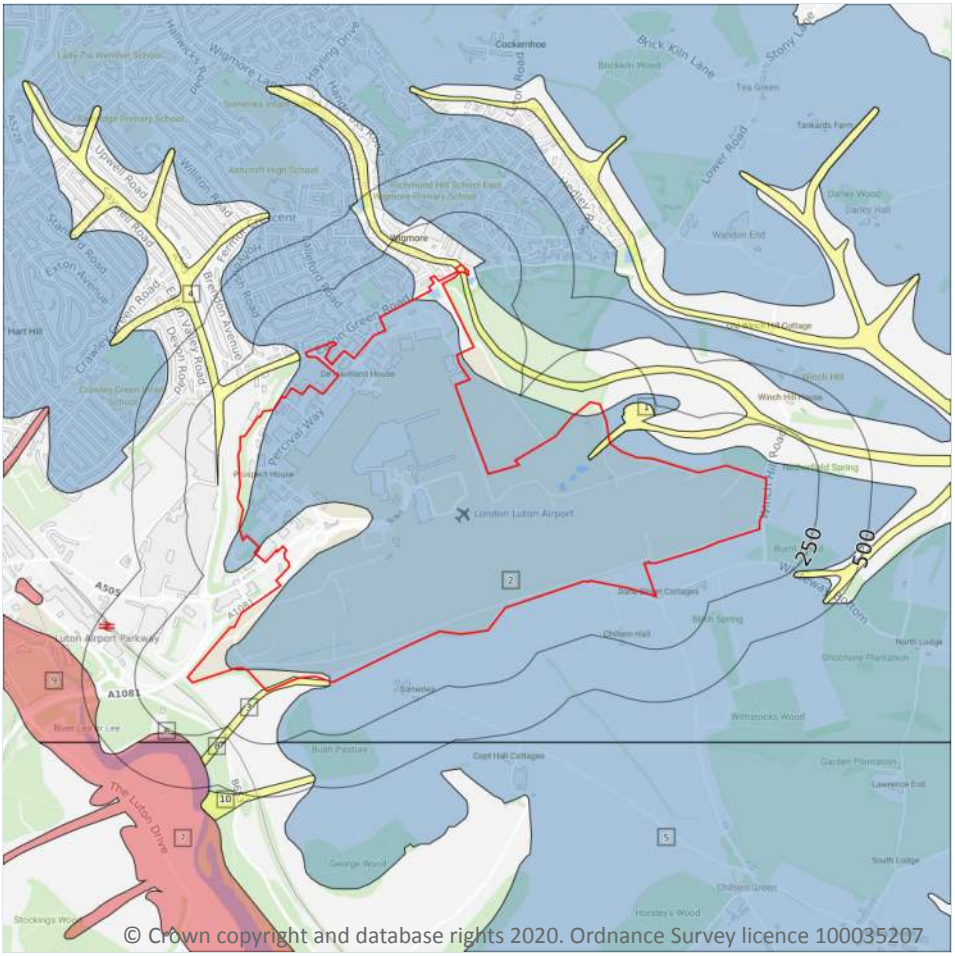
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

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

5.1 Superficial aquifer

Records within 500m	10

Aquifer status of groundwater held within superficial geology.

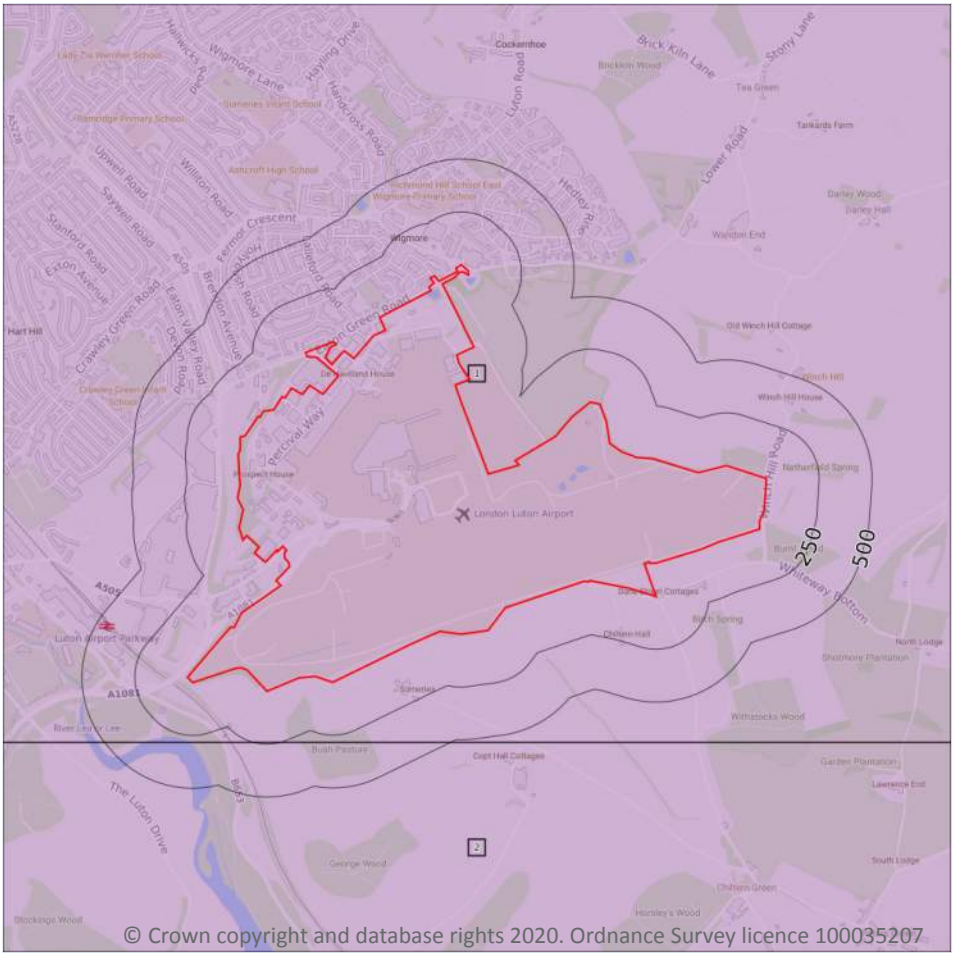
Features are displayed on the Hydrogeology map on **page 74**

ID	Location	Designation	Description
1	**On site**	**Secondary Undifferentiated**	**Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type**
2	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**

ID	Location	Designation	Description
3	**On site**	**Secondary Undifferentiated**	**Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type**
4	32m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	246m S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	256m 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
7	283m 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
8	301m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
9	433m 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
10	438m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	2

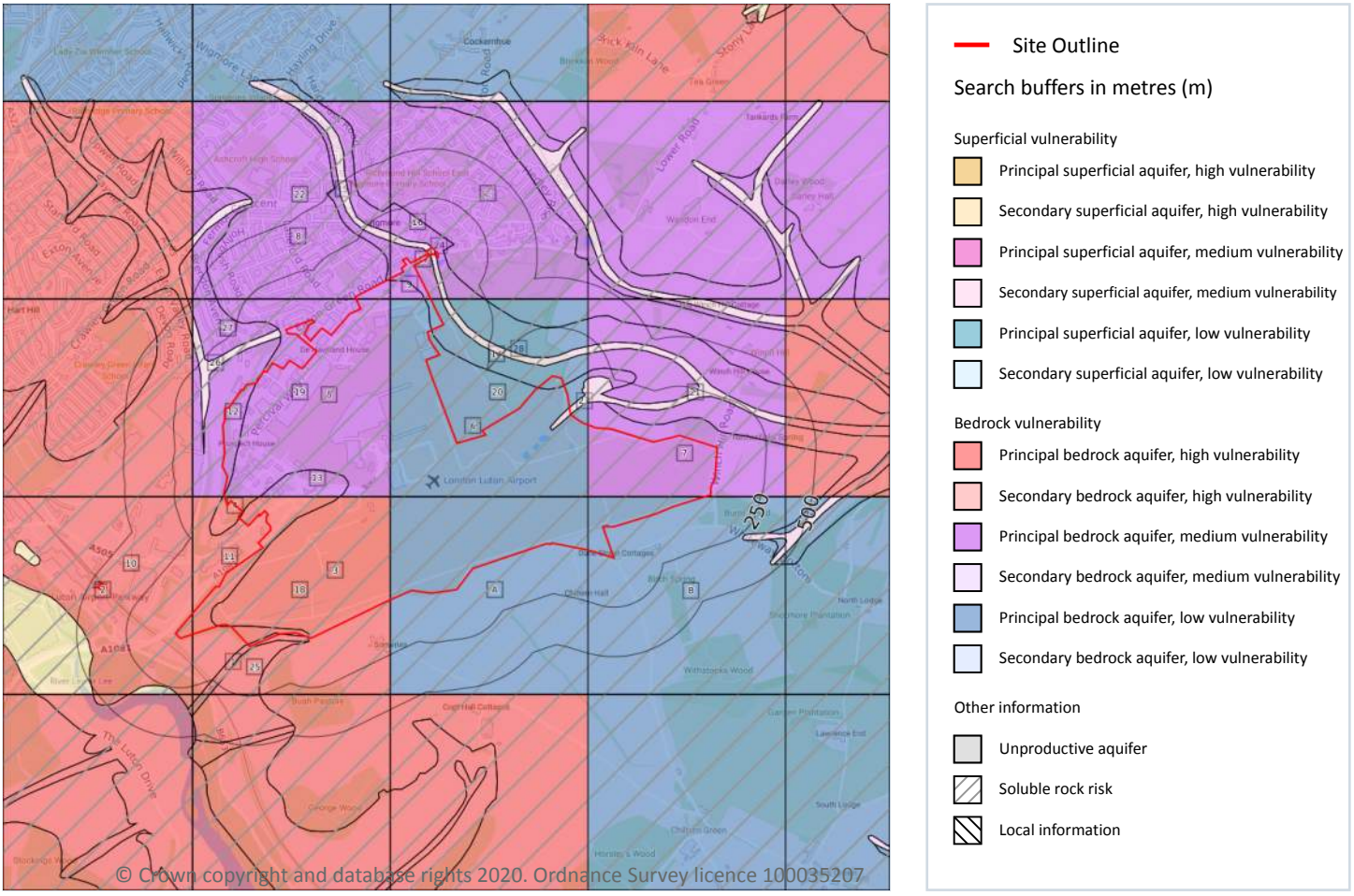
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 76**

ID	Location	Designation	Description
1	**On site**	**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**
2	241m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	25

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 78**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
3	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
4	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
5	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
6	On site	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
7	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
8	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
9	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
10	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
11	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
12	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
13	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
14	On site	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
15	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
16	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
17	On site	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
23	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
24	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
A	On site	Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
B	**On site**	**Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures**
25	10m SE	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
C	28m E	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
26	31m SW	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
27	37m W	Summary Classification: Principal bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures
28	46m NE	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal 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	9

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. Problems unlikely except with considerable surface or subsurface water flow.**	**25.0%**
18	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**4.0%**
19	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**3.0%**
20	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**4.0%**
21	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**18.0%**
22	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**24.0%**
A	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**0.0%**
B	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**5.0%**
C	**Very significant soluble rocks are likely to be present with a moderate possibility of localised natural subsidence or dissolution-related degradation of bedrock, especially in adverse conditions such as concentrated surface or subsurface water flow.**	**25.0%**

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

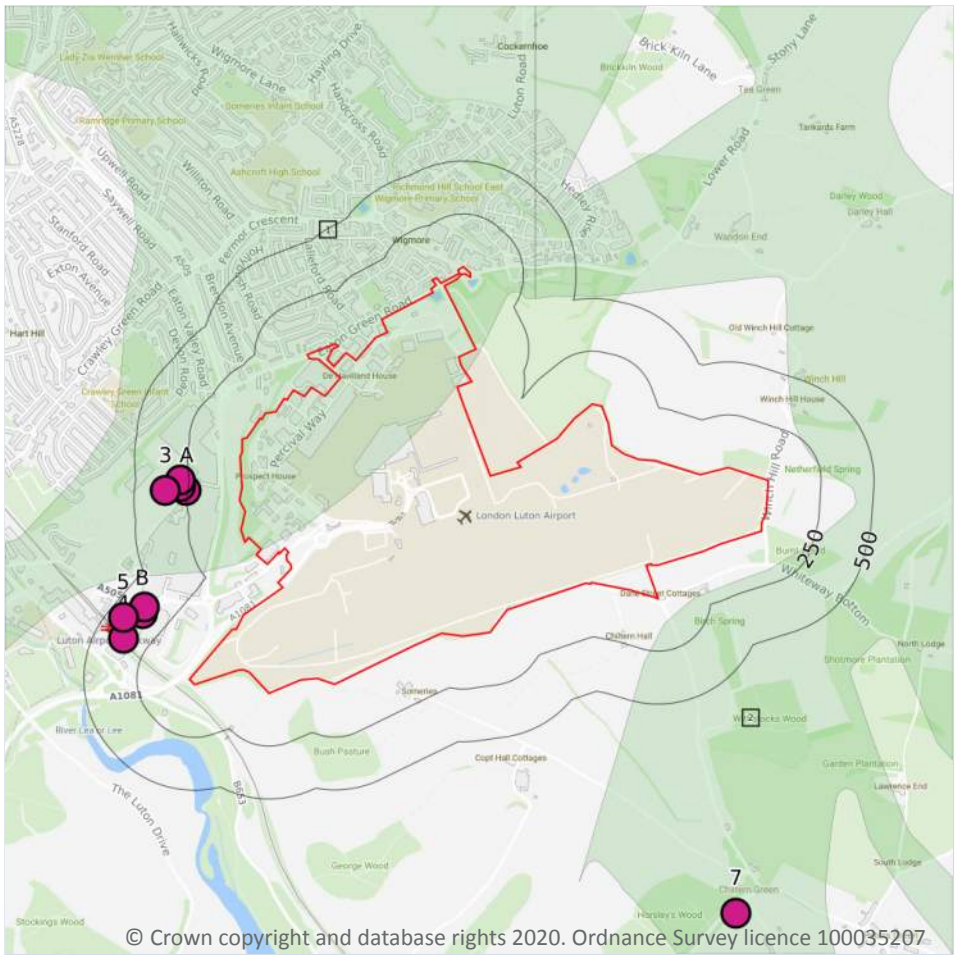
5.5 Groundwater vulnerability- local information

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	18

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 85**

ID	Location	Details	
A	254m W	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON, BOREHOLE 'D' Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510900 Northing: 221200	Annual Volume (m^3): 2,636,738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/05/2005 Version End Date: -
A	288m W	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON - BOREHOLE C Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510870 Northing: 221220	Annual Volume (m^3): 1,000,000 Max Daily Volume (m^3): 11,724 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 01/12/2017 Version End Date: -
A	290m W	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON - BOREHOLE D Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510870 Northing: 221250	Annual Volume (m^3): 1,000,000 Max Daily Volume (m^3): 11,724 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 01/12/2017 Version End Date: -
3	353m W	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON, BOREHOLE 'C' Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510800 Northing: 221200	Annual Volume (m^3): 2,636,738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/05/2005 Version End Date: -

ID	Location	Details	
4	368m NW	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON, BOREHOLE 'A' Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510600 Northing: 220500	Annual Volume (m^3): 2,636,738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/05/2005 Version End Date: -
B	373m NW	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON - BOREHOLE A Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510690 Northing: 220620	Annual Volume (m^3): 1,000,000 Max Daily Volume (m^3): 11,724 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 01/12/2017 Version End Date: -
B	385m NW	Status: Active Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON - BOREHOLE B Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510700 Northing: 220650	Annual Volume (m^3): 1,000,000 Max Daily Volume (m^3): 11,724 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 01/12/2017 Version End Date: -
5	428m NW	Status: Historical Licence No: 29/38/01/0036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: KIMPTON ROAD, LUTON, BOREHOLE 'B' Data Type: Point Name: IBC VEHICLES LIMITED Easting: 510600 Northing: 220600	Annual Volume (m^3): 2,636,738 Max Daily Volume (m^3): 11724.4 Original Application No: - Original Start Date: 20/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/05/2005 Version End Date: -

ID	Location	Details	
-	1338m W	Status: Historical Licence No: 29/38/01/0106 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: 120 PARK STREET, LUTON, BEDFORDSHIRE - 32 BOREHOLES Data Type: Point Name: URS CORPORATION LIMITED Easting: 509670 Northing: 220800	Annual Volume (m^3): 35040 Max Daily Volume (m^3): 96 Original Application No: - Original Start Date: 10/10/2007 Expiry Date: 31/03/2012 Issue No: 1 Version Start Date: 10/10/2007 Version End Date: -
7	1535m S	Status: Historical Licence No: 29/38/02/0068 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: LABURNUM FARM, CHILTERN GREEN - BOREHOLE Data Type: Point Name: J B & B H MURCHIE Easting: 513500 Northing: 219200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/10/1969 Expiry Date: - Issue No: 100 Version Start Date: 23/10/1969 Version End Date: -
-	1565m W	Status: Active Licence No: 29/38/01/0067 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: ALBERT ROAD Data Type: Point Name: Affinity Water Limited Easting: 509450 Northing: 220860	Annual Volume (m^3): 1,663,870 Max Daily Volume (m^3): 5,228 Original Application No: - Original Start Date: 20/10/1969 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	1571m W	Status: Active Licence No: 29/38/01/0008 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: CRESCENT ROAD PUMPING STATION Data Type: Point Name: Affinity Water Limited Easting: 509600 Northing: 221600	Annual Volume (m^3): 10,398,011 Max Daily Volume (m^3): 29,300 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	1623m NW	Status: Historical Licence No: 28/39/01/0106 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: 120 PARK STREET, LUTON Data Type: Point Name: URS CORPORATION LIMITED Easting: 509670 Northing: 222080	Annual Volume (m^3): 35040 Max Daily Volume (m^3): 96 Original Application No: - Original Start Date: 10/10/2007 Expiry Date: 31/03/2009 Issue No: 1 Version Start Date: 10/10/2007 Version End Date: -

ID	Location	Details	
-	1654m S	Status: Active Licence No: 29/38/01/0039 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: THE GABLES BOREHOLE A Data Type: Point Name: LUTON HOO PARK LIMITED Easting: 511500 Northing: 218600	Annual Volume (m^3): 49,779 Max Daily Volume (m^3): 181.80 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/1999 Version End Date: -
-	1654m S	Status: Active Licence No: 29/38/01/0039 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: THE GABLES BOREHOLE A Data Type: Point Name: LUTON HOO PARK LIMITED Easting: 511500 Northing: 218600	Annual Volume (m^3): 49,779 Max Daily Volume (m^3): 181.80 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/1999 Version End Date: -
-	1737m W	Status: Historical Licence No: 29/38/01/0098 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: POINT 'A' AT GUILDFORD STREET SERVICE STATION, LUTON. Data Type: Point Name: BP OIL UK LIMITED Easting: 509420 Northing: 221470	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 09/04/2002 Expiry Date: 30-Apr-05 Issue No: 1 Version Start Date: 09/04/2002 Version End Date: -
-	1737m W	Status: Historical Licence No: 29/38/01/0098 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: GUILDFORD STREET SERVICE STATION, LUTON-POINT A Data Type: Point Name: BP OIL UK LIMITED Easting: 509420 Northing: 221470	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 09/04/2002 Expiry Date: 30/04/2005 Issue No: 1 Version Start Date: 09/04/2002 Version End Date: -

ID	Location	Details	
-	1737m W	Status: Historical Licence No: 29/38/01/0100 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: GUILDFORD STREET SERVICE STATION, LUTON-POINT A Data Type: Point Name: BP OIL UK LIMITED Easting: 509420 Northing: 221470	Annual Volume (m^3): 366000 Max Daily Volume (m^3): 1008 Original Application No: - Original Start Date: 22/10/2003 Expiry Date: 31/12/2013 Issue No: 1 Version Start Date: 22/10/2003 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**0**

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.

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

5.8 Potable abstractions

Records within 2000m	**3**

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 85**

ID	Location	Details	
-	1565m W	Status: Active Licence No: 29/38/01/0067 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: ALBERT ROAD Data Type: Point Name: Affinity Water Limited Easting: 509450 Northing: 220860	Annual Volume (m^3): 1,663,870 Max Daily Volume (m^3): 5,228 Original Application No: - Original Start Date: 20/10/1969 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -

ID	Location	Details	
-	1571m W	Status: Active Licence No: 29/38/01/0008 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: CRESCENT ROAD PUMPING STATION Data Type: Point Name: Affinity Water Limited Easting: 509600 Northing: 221600	Annual Volume (m^3): 10,398,011 Max Daily Volume (m^3): 29,300 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	1654m S	Status: Active Licence No: 29/38/01/0039 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER Point: THE GABLES BOREHOLE A Data Type: Point Name: LUTON HOO PARK LIMITED Easting: 511500 Northing: 218600	Annual Volume (m^3): 49,779 Max Daily Volume (m^3): 181.80 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/1999 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	**2**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 85**

ID	Location	Type	Description
1	**On site**	**3**	**Total catchment**
2	110m SE	3	Total catchment

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

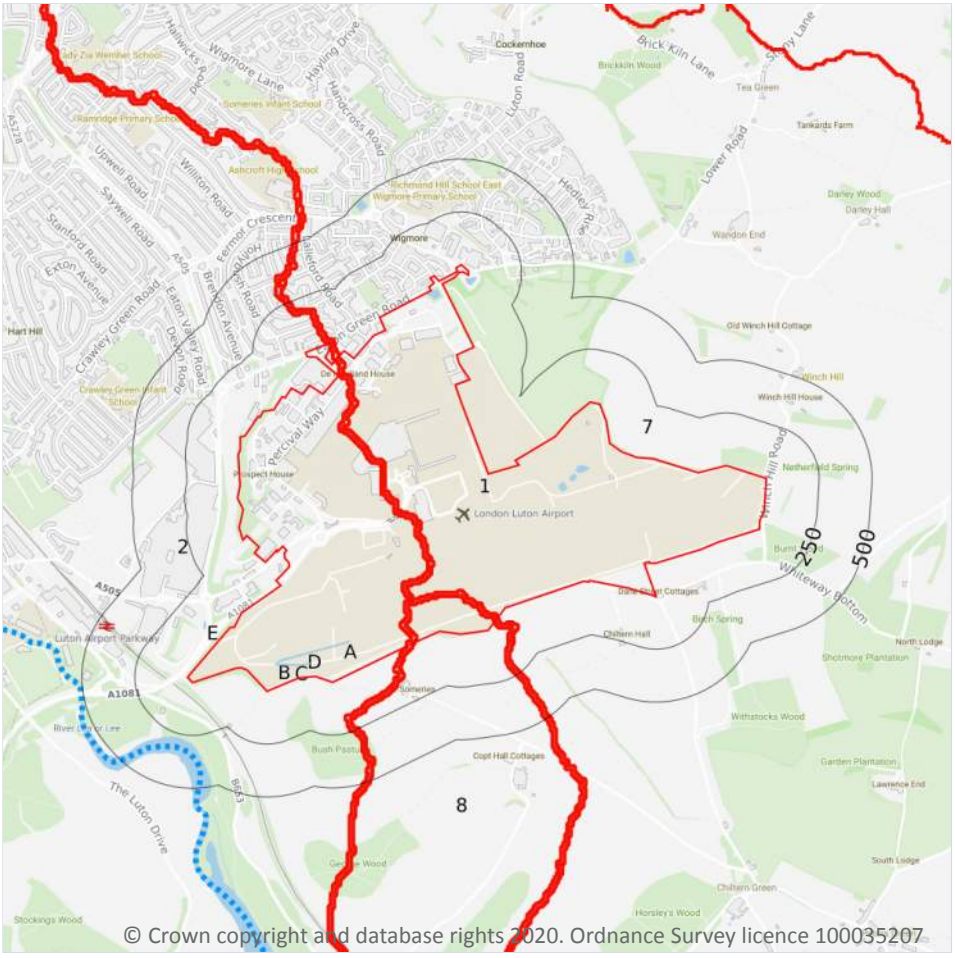
5.10 Source Protection Zones (confined aquifer)

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	8

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 92**

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

ID	Location	Type of water feature	Ground level	Permanence	Name
A	**On site**	**Inland river not influenced by normal tidal action.**	**Underground**	**Watercourse contains water year round (in normal circumstances)**	**-**
B	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
B	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**-**
B	**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	89m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**3**

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 92**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	**3**

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 92**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	**On site**	**River WB catchment**	**Lee (from Luton to Luton Hoo Lakes)**	**GB106038033391**	**Upper Lee**	**Upper Lee**
7	**On site**	**River WB catchment**	**Mimram (Codicote Bottom to Lee)**	**GB106038033270**	**Upper Lee**	**Upper Lee**
8	**On site**	**River WB catchment**	**Lee (from Luton Hoo Lakes to Hertford)**	**GB106038033392**	**Upper Lee**	**Upper Lee**

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

6.4 WFD Surface water bodies

Records identified	**3**

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 92**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
12	314m S	River	Lee (from Luton to Luton Hoo Lakes)	GB106038033391	Bad	Good	Bad	2016
-	1673m S	River	Lee (from Luton Hoo Lakes to Hertford)	GB106038033392	Moderate	Good	Moderate	2016
-	6654m SE	River	Mimram (Codicote Bottom to Lee)	GB106038033270	Moderate	Good	Moderate	2016

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 92**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Upper Lee Chalk**	**GB40601G602900**	**Poor**	**Poor**	**Poor**	**2015**

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

7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

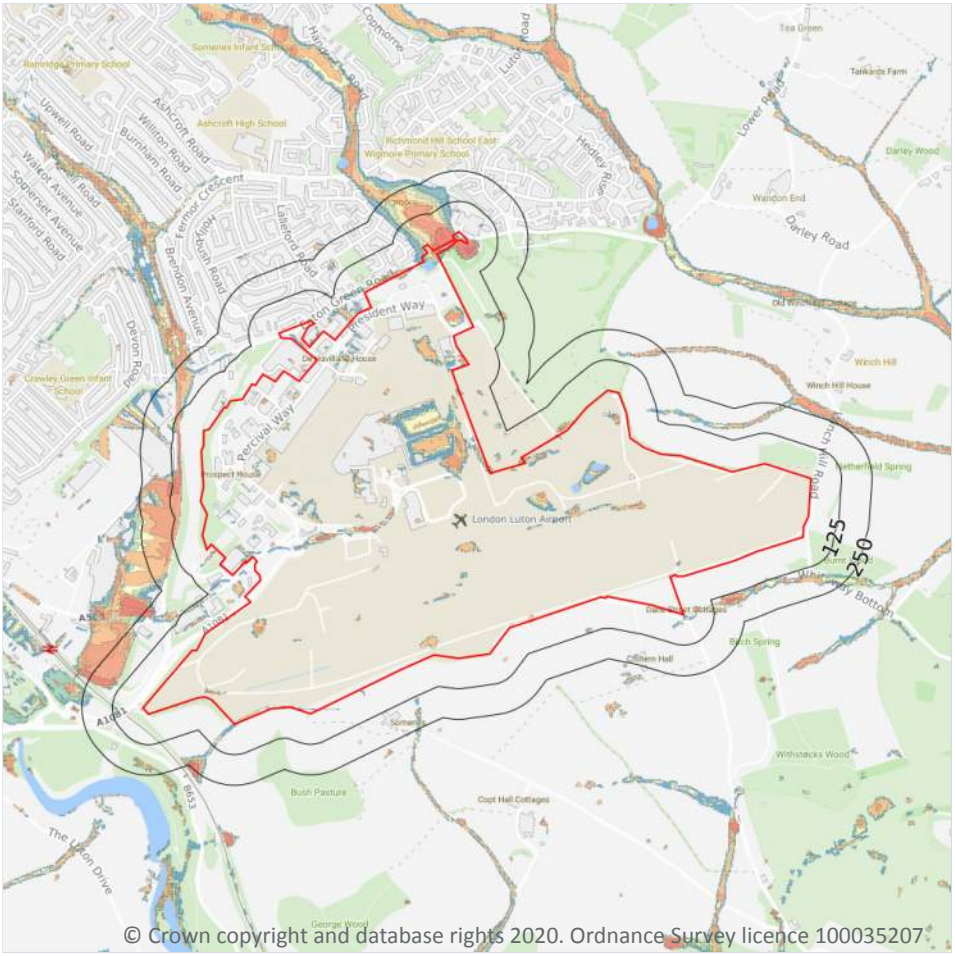
7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding



Site Outline

Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 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**

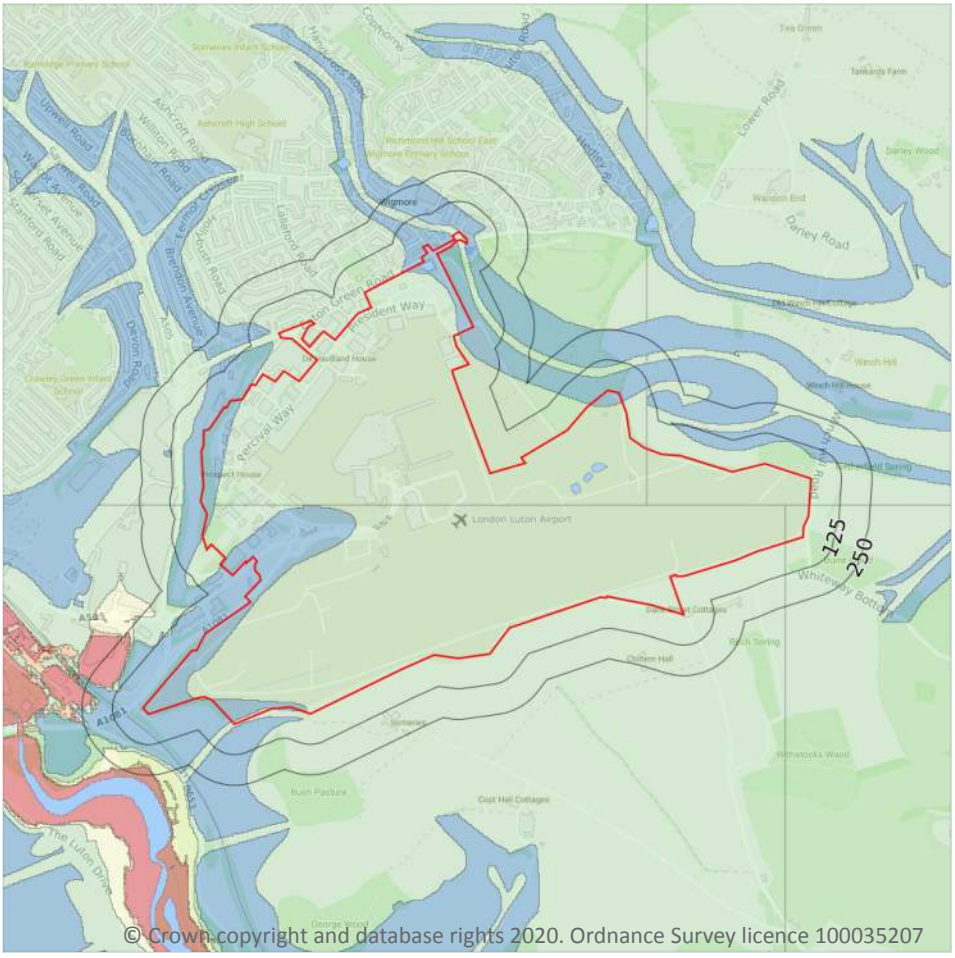
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on

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

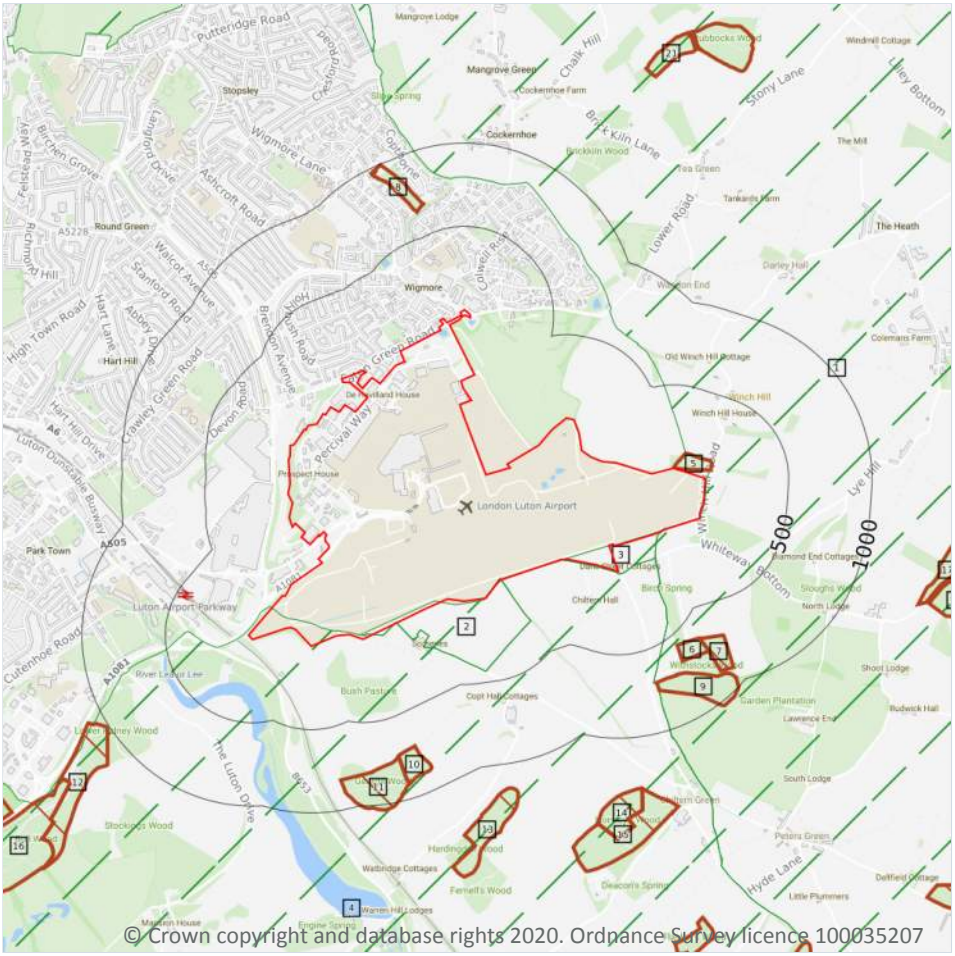
Highest risk on site	**Low**
Highest risk within 50m	**Low**

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

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

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

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

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

10.7 Designated Ancient Woodland

Records within 2000m	18

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
5	4m N	Winchill Wood	Ancient & Semi-Natural Woodland
6	567m SE	Withstocks Wood	Ancient Replanted Woodland
7	633m SE	Withstocks Wood	Ancient & Semi-Natural Woodland
8	652m NW	Slaughters Wood	Ancient & Semi-Natural Woodland
9	704m SE	Withstocks Wood	Ancient & Semi-Natural Woodland
10	712m SE	George Wood	Ancient Replanted Woodland
11	733m S	George Wood	Ancient & Semi-Natural Woodland
12	1015m SW	Kidney/bulls Woods	Ancient & Semi-Natural Woodland
13	1148m S	Hardingdell Woods	Ancient Replanted Woodland
14	1308m S	Horsleys Wood	Ancient & Semi-Natural Woodland
15	1310m S	Horsleys Wood	Ancient Replanted Woodland
16	1392m SW	Kidney/bulls Woods	Ancient Replanted Woodland
17	1407m E	Sewetts Wood	Ancient Replanted Woodland
18	1465m E	Sewetts Wood	Ancient & Semi-Natural Woodland
20	1774m SW	Kidney/bulls Woods	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
21	1807m NE	Stubbocks Wood	Ancient Replanted Woodland
-	1870m S	Birch Wood	Ancient & Semi-Natural Woodland
-	1968m NE	Watkins/lords Woods	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	5

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**	**London area**	**North Hertfordshire**
2	**On site**	**London area**	**Luton**
3	**On site**	**London area**	**Luton**
4	**On site**	**London area**	**Central Bedfordshire**
19	1642m N	London area	Luton

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

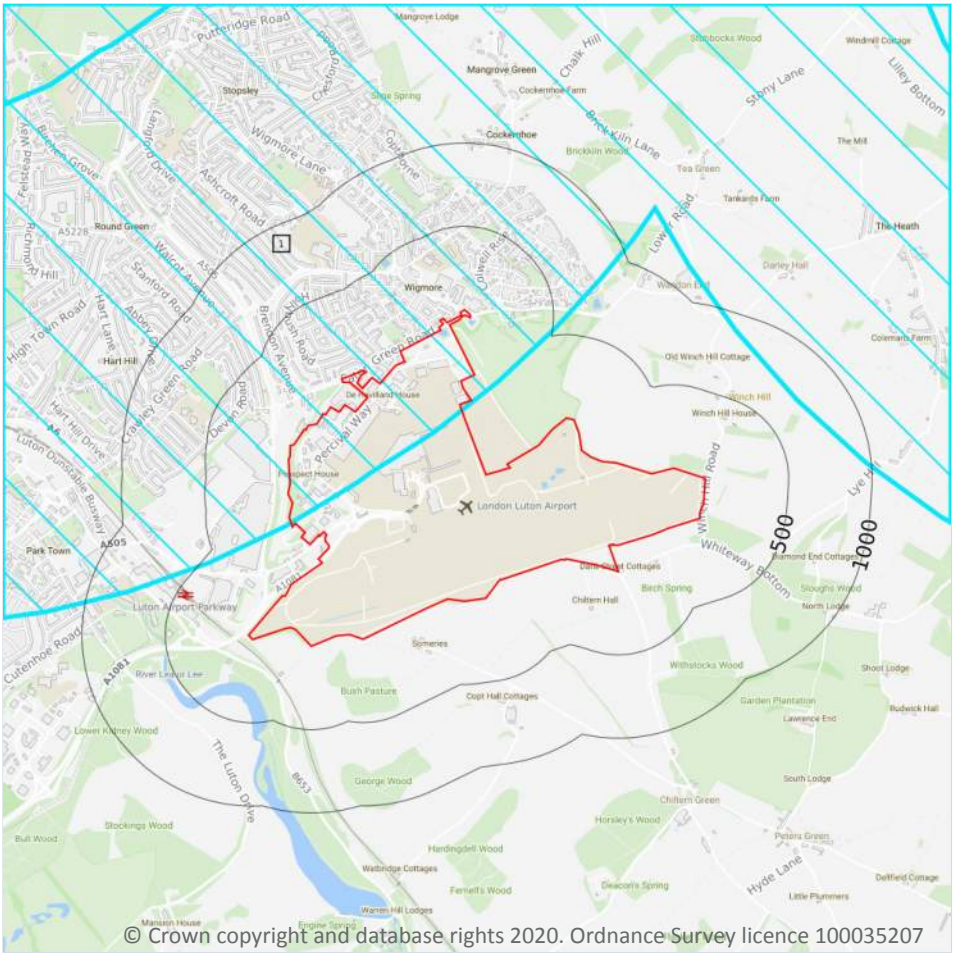
Records within 2000m	4

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	**LEE NVZ**	**Surface Water**	**S443**	**Existing**
On site	**Luton Chalk**	**Groundwater**	**G146**	**Existing**
438m E	Luton Chalk	Groundwater	G146	Existing
438m E	LEE NVZ	Surface Water	S443	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	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 108**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	1

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.

Features are displayed on the Visual and cultural designations map on **page 110**

ID	Location	Ancient monument name	Reference number
2	212m SE	Someries Castle: a medieval magnate's residence and formal garden remains	1008452

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

11.7 Registered Parks and Gardens

Records within 250m	1

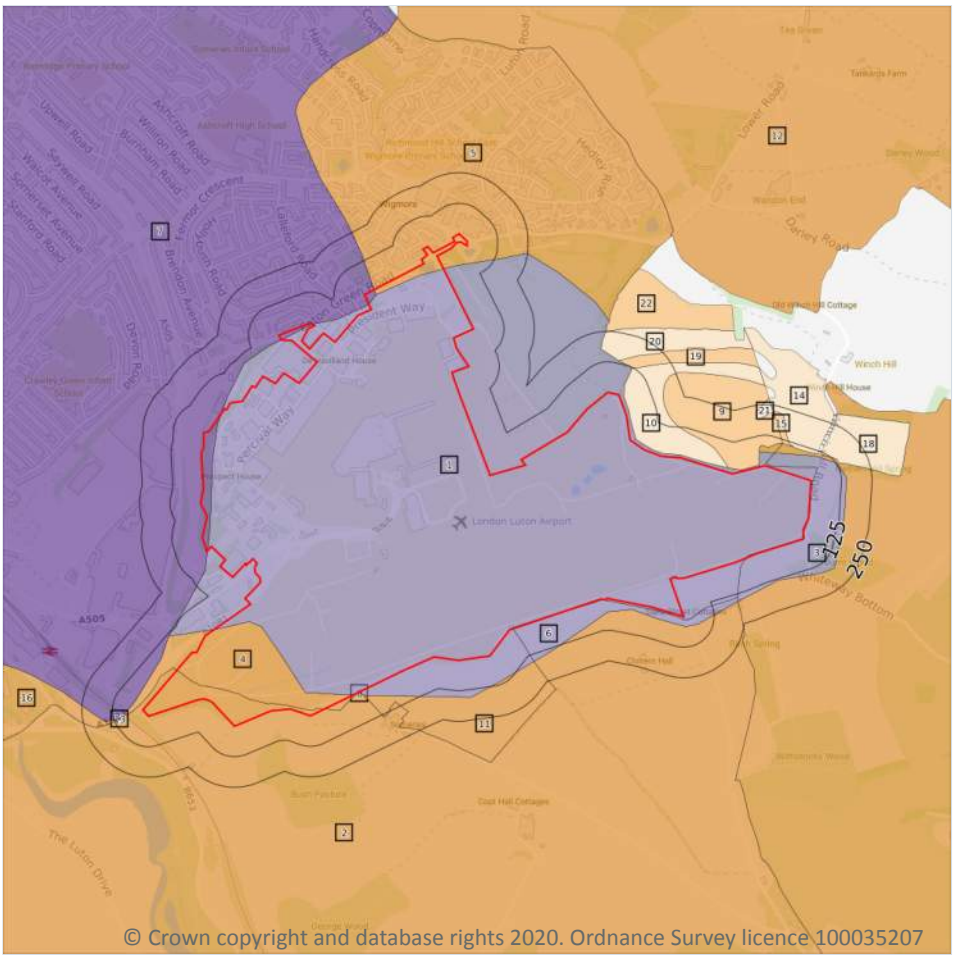
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the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

Features are displayed on the Visual and cultural designations map on **page 110**

ID	Location	Name	Grade
1	152m S	Luton Hoo	II*

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	21

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 113**

ID	Location	Classification	Description
1	**On site**	**Non Agricultural**	-

ID	Location	Classification	Description
2	**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.**
3	**On site**	**Non Agricultural**	**-**
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**	**Non Agricultural**	**-**
7	**On site**	**Urban**	**-**
8	**On site**	**Non Agricultural**	**-**
9	7m N	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.
10	11m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
11	20m SE	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
12	62m N	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.
13	97m W	Urban	-
14	107m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
15	109m N	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.
16	110m W	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.
18	116m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
19	119m NE	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.
20	137m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
21	190m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
22	248m N	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.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	**0**

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	3

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

Location	Reference	Scheme	Start Date	End date
On site	**AG00418187**	**Entry Level plus Higher Level Stewardship**	**01/06/2013**	**31/05/2023**
15m E	AG00418187	Entry Level plus Higher Level Stewardship	01/06/2013	31/05/2023
53m SE	AG00418187	Entry Level plus Higher Level Stewardship	01/06/2013	31/05/2023

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	1

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

Location	Reference	Scheme	Start Date	End Date
16m E	491651	Woodland Management Plan	01/05/2018	30/04/2020

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	28

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 117**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
6	On site	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)

ID	Location	Main Habitat	Other habitats
7	1m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	2m N	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
10	4m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	14m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	16m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	47m W	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
18	78m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	79m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	85m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	86m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	106m SW	Lowland calcareous grassland	Main habitat: LCGRA (INV > 50%)
23	114m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	117m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	127m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
24	135m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
25	149m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	152m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	153m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	161m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	185m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	198m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	212m SW	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
30	229m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	236m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	7

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 117**

ID	Location	Type	Habitat
4	**On site**	**Primary Habitat**	**Lowland calcareous grassland**
5	**On site**	**Network Enhancement Zone 2**	**Not specified**
9	2m NW	Network Enhancement Zone 2	Not specified
11	8m N	Network Enhancement Zone 2	Not specified
12	10m NW	Network Enhancement Zone 2	Not specified
15	33m W	Network Enhancement Zone 2	Not specified
16	46m NW	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

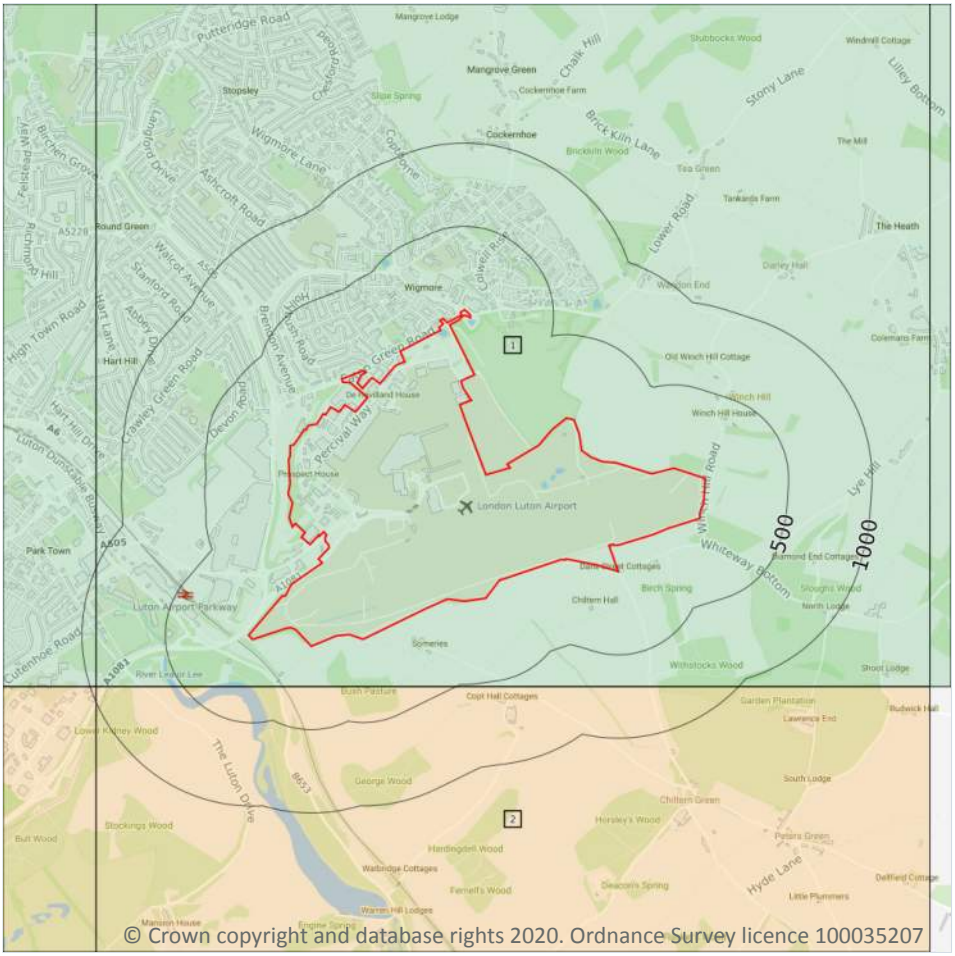
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m	2

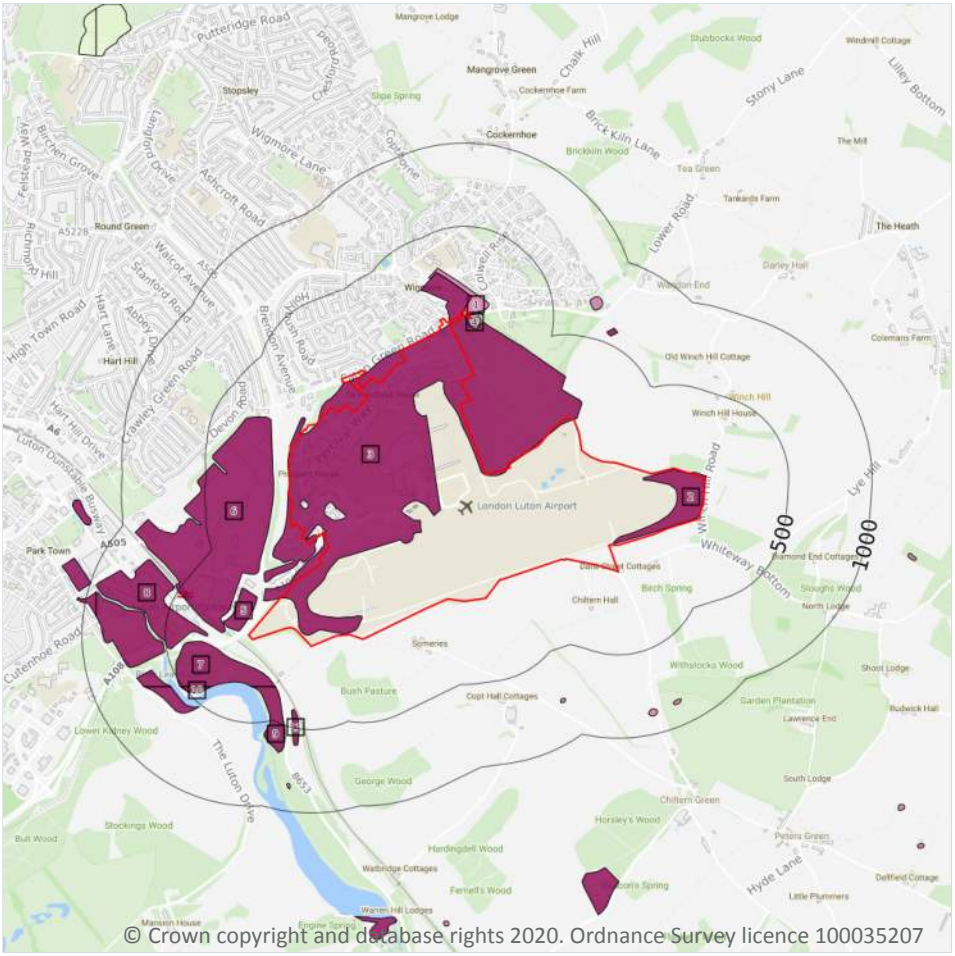
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 121**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**TL12SW**
2	241m S	Full	Partial	Partial	No coverage	TL11NW

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	11

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.

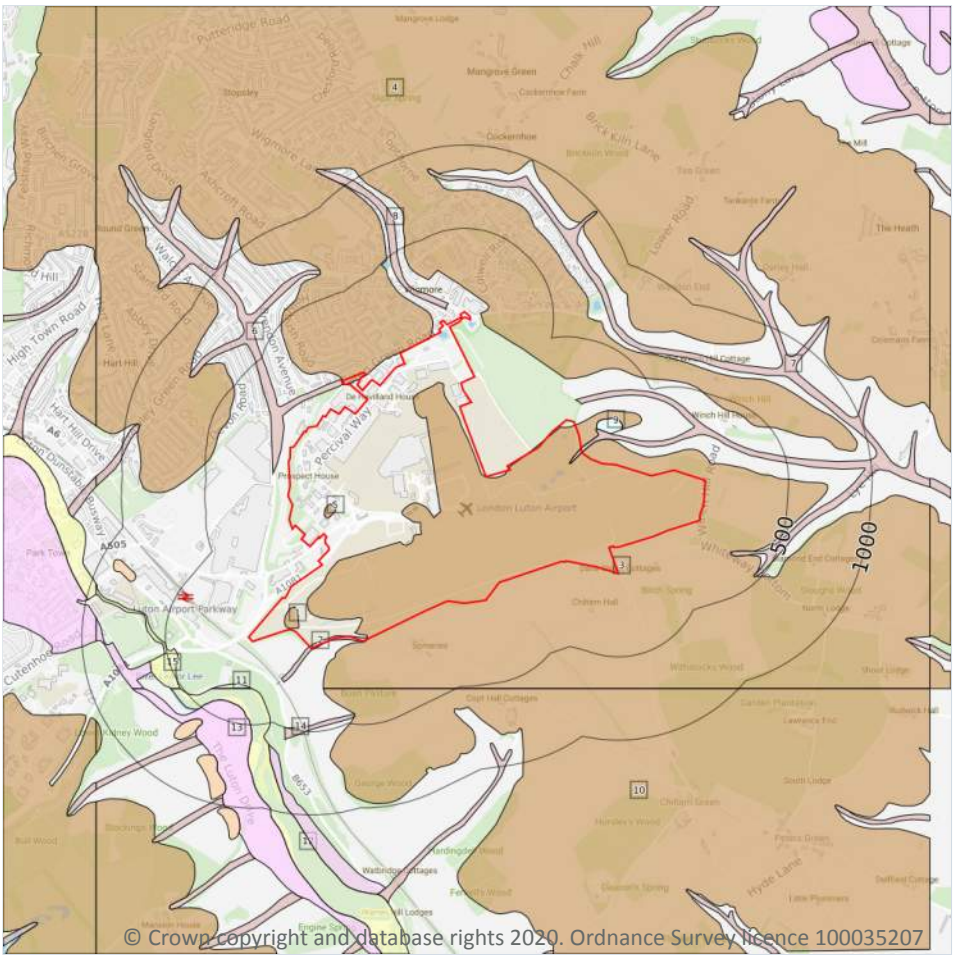
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 122**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WGR-VOID**	**Worked Ground (Undivided)**	**Void**
2	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
3	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
4	1m S	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	60m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	87m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	157m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	245m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	283m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	373m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
11	392m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **15**

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 124**

ID	Location	LEX Code	Description	Rock description
1	On site	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
2	On site	HEAD-DMTN	Head - Diamicton	Diamicton
3	On site	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
4	**On site**	**CWF-DMTN**	**Clay-with-flints Formation - Diamicton**	**Diamicton**
5	**On site**	**CWF-DMTN**	**Clay-with-flints Formation - Diamicton**	**Diamicton**
6	**On site**	**HEAD-DMTN**	**Head - Diamicton**	**Diamicton**
7	**On site**	**HEAD-DMTN**	**Head - Diamicton**	**Diamicton**
8	71m N	HEAD-DMTN	Head - Diamicton	Diamicton
9	116m E	TILL-DMTN	Till - Diamicton	Diamicton
10	252m S	CWF-DMTN	Clay-with-flints Formation - Diamicton	Diamicton
11	267m S	ALV-XCZS	Alluvium - Clay, Silt And Sand	Clay, Silt And Sand
12	283m S	ALV-XCZS	Alluvium - Clay, Silt And Sand	Clay, Silt And Sand
13	388m S	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel
14	438m S	HEAD-DMTN	Head - Diamicton	Diamicton
15	438m W	ALV-XCZS	Alluvium - Clay, Silt And Sand	Clay, Silt And Sand

This data is sourced from the British Geological Survey.

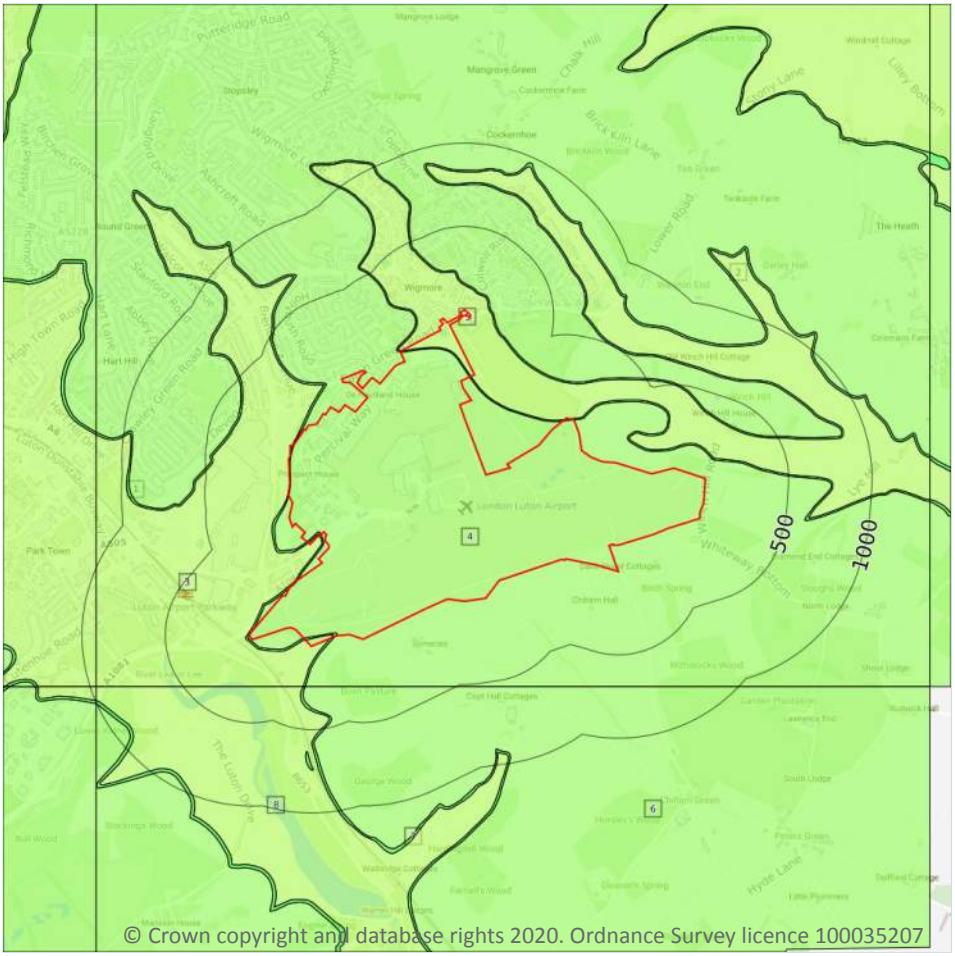
14.4 Landslip (10k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	8

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 126**

ID	Location	LEX Code	Description	Rock age
1	On site	CKR-CHLK	Chalk Rock Member - Chalk	Turonian Age
2	On site	CKR-CHLK	Chalk Rock Member - Chalk	Turonian Age
3	On site	HNCK-CHLK	Holywell Nodular Chalk Formation And New Pit Chalk Formation (undifferentiated) - Chalk	Turonian Age - Cenomanian Age

ID	Location	LEX Code	Description	Rock age
4	**On site**	**LECH-CHLK**	**Lewes Nodular Chalk Formation - Chalk**	**Coniacian Age - Turonian Age**
5	**On site**	**HNCK-CHLK**	**Holywell Nodular Chalk Formation And New Pit Chalk Formation (undifferentiated) - Chalk**	**Turonian Age - Cenomanian Age**
6	241m S	LECH-CHLK	Lewes Nodular Chalk Formation - Chalk	Coniacian Age - Turonian Age
7	244m S	CKR-CHLK	Chalk Rock Member - Chalk	Turonian Age
8	246m S	HNCK-CHLK	Holywell Nodular Chalk Formation And New Pit Chalk Formation (undifferentiated) - Chalk	Turonian Age - Cenomanian Age

This data is sourced from the British Geological Survey.

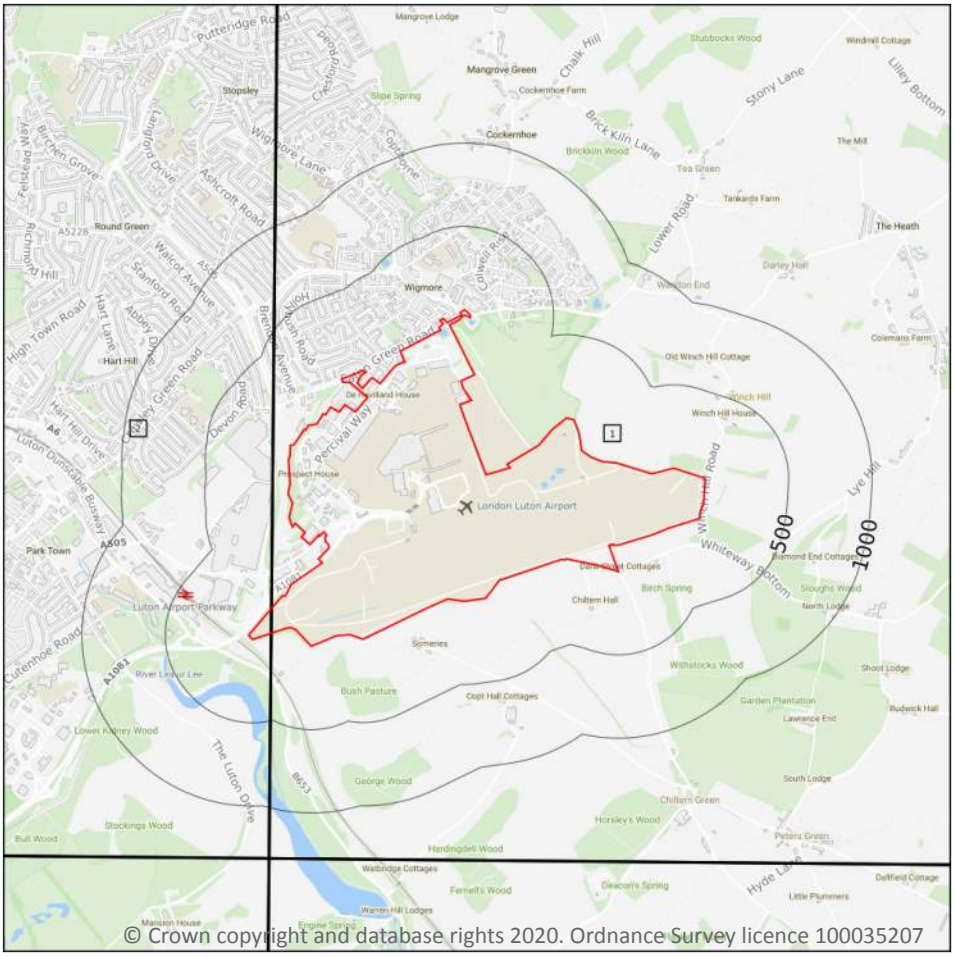
14.6 Bedrock faults and other linear features (10k)

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	2

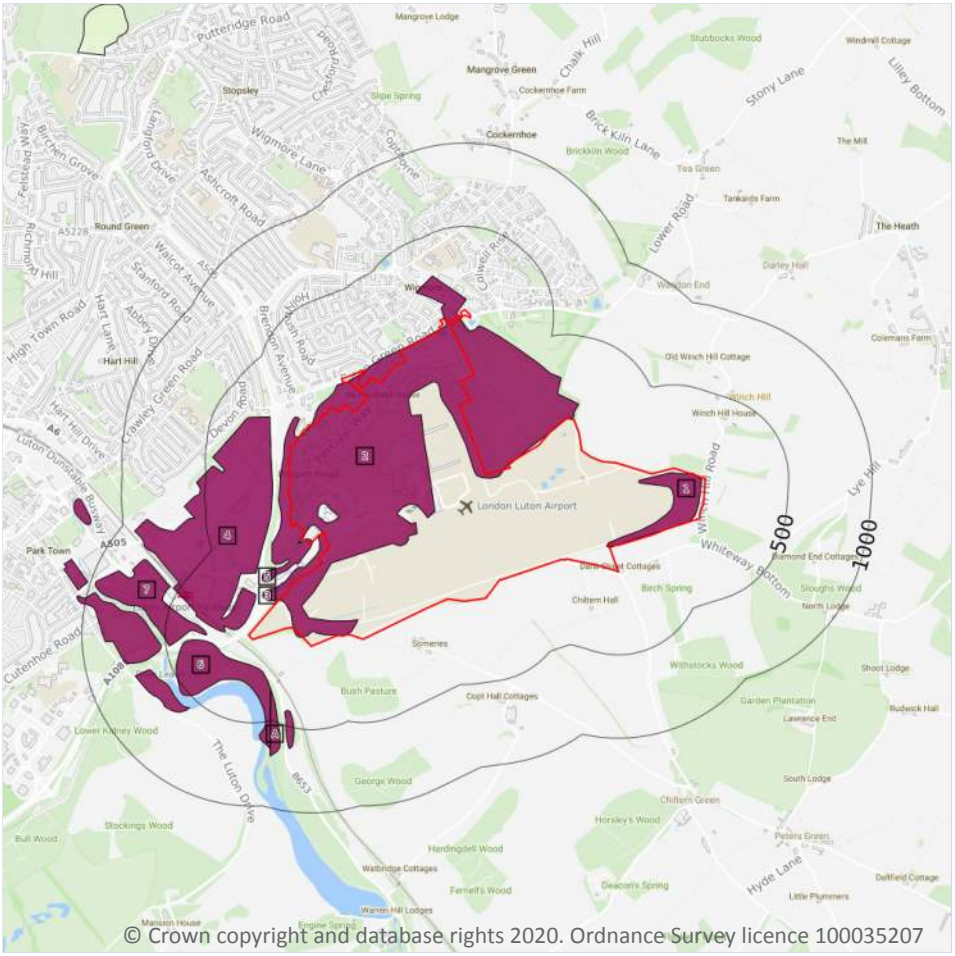
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 128**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW221_hitchin_v4
2	On site	Full	Full	Full	Full	EW220_leighton_buzzard_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	9

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 129**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**MADE GROUND (UNDIVIDED)**	**ARTIFICIAL DEPOSIT**
2	**On site**	**MGR-ARTDP**	**MADE GROUND (UNDIVIDED)**	**ARTIFICIAL DEPOSIT**
3	29m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	66m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	118m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	150m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
7	252m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	320m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	410m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

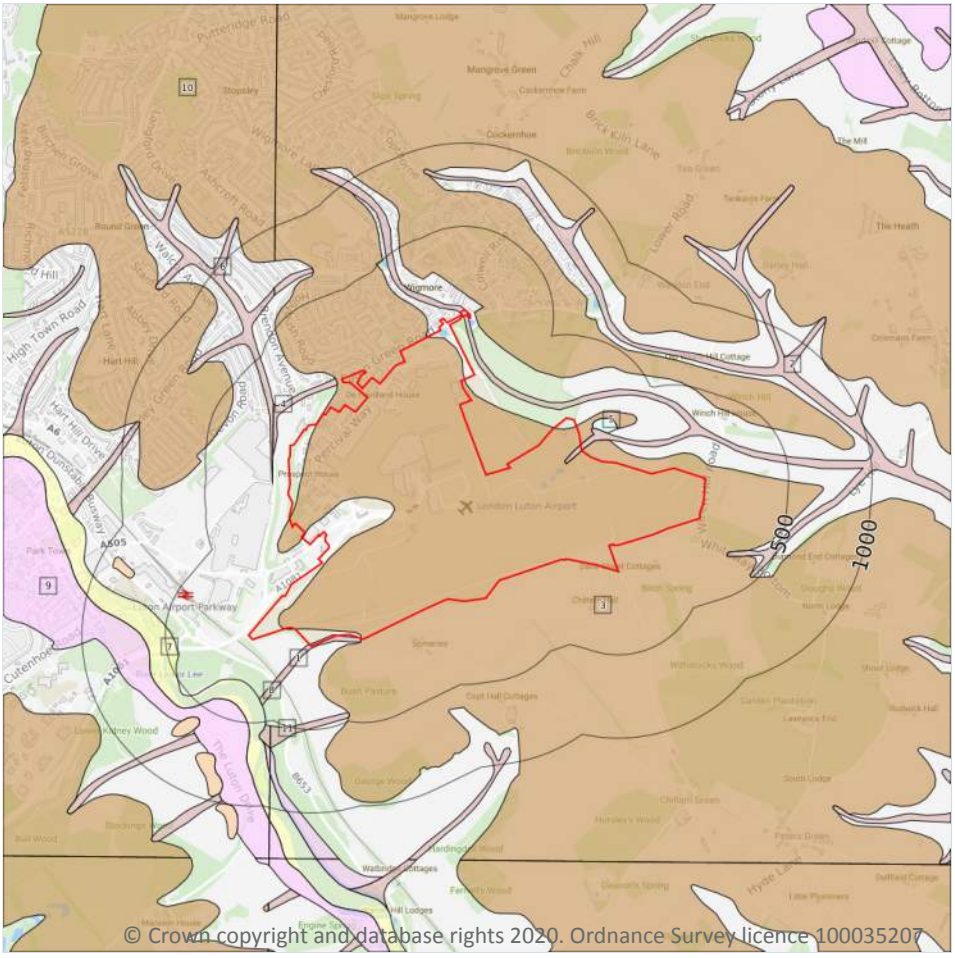
Records within 50m	**2**

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

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

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	11

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 131**

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	On site	CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	32m SW	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
5	90m E	LOFT-DMTN	LOWESTOFT FORMATION	DIAMICTON
6	94m W	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
7	256m S	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
8	297m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
9	391m S	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL
10	415m NW	CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL
11	438m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **4**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**High**	**Very Low**
On site	**Mixed**	**High**	**Very Low**
On site	**Mixed**	**High**	**Very Low**
32m NW	Mixed	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **0**

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

This data is sourced from the British Geological Survey.

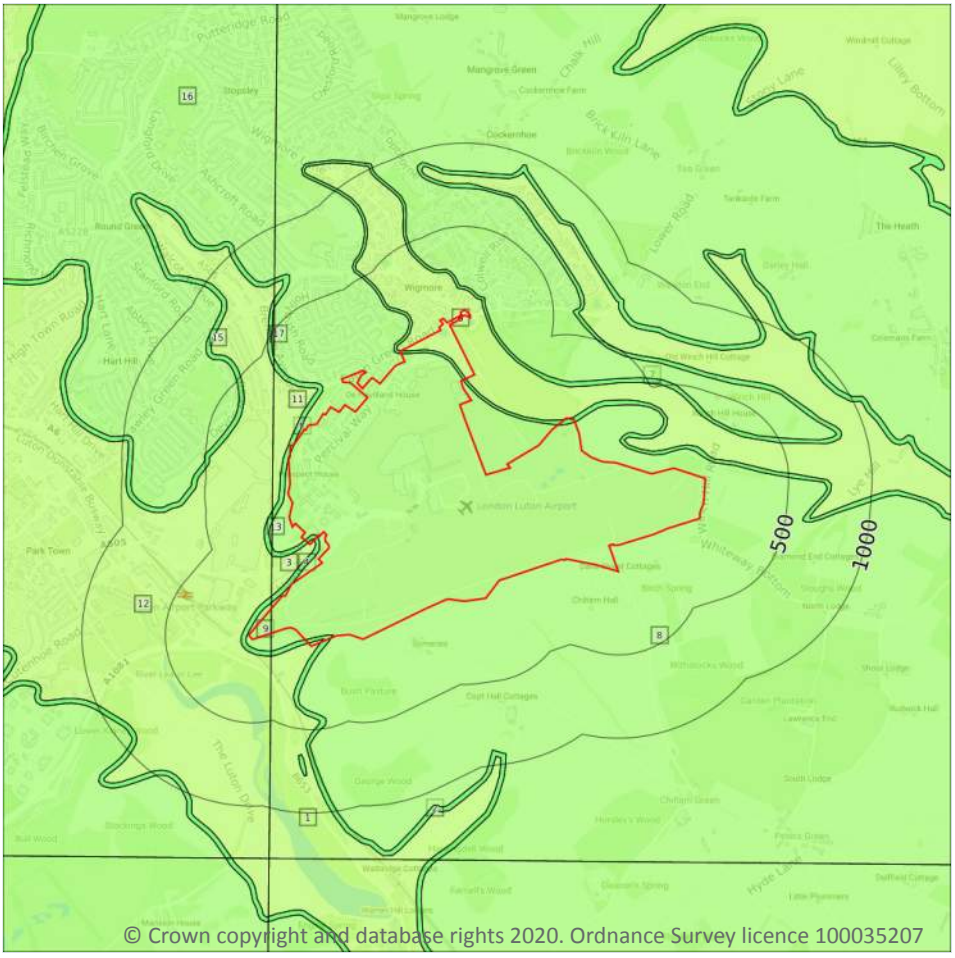
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	18

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 134**

ID	Location	LEX Code	Description	Rock age
1	On site	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN
2	On site	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
3	On site	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN

ID	Location	LEX Code	Description	Rock age
4	**On site**	**CKR-CHLK**	**CHALK ROCK MEMBER - CHALK**	**TURONIAN**
5	**On site**	**CKR-CHLK**	**CHALK ROCK MEMBER - CHALK**	**TURONIAN**
6	**On site**	**HNCK-CHLK**	**HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK**	**CENOMANIAN**
7	**On site**	**CKR-CHLK**	**CHALK ROCK MEMBER - CHALK**	**TURONIAN**
8	**On site**	**LESE-CHLK**	**LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK**	**TURONIAN**
9	**On site**	**LESE-CHLK**	**LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK**	**TURONIAN**
10	8m NW	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
11	12m W	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN
12	38m NW	HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CENOMANIAN
13	102m W	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
14	106m W	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
15	344m NW	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
16	374m NW	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
17	405m NW	CKR-CHLK	CHALK ROCK MEMBER - CHALK	TURONIAN
18	427m W	LESE-CHLK	LEWES NODULAR CHALK FORMATION AND SEAFORD CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **5**

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

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

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

This data is sourced from the British Geological Survey.

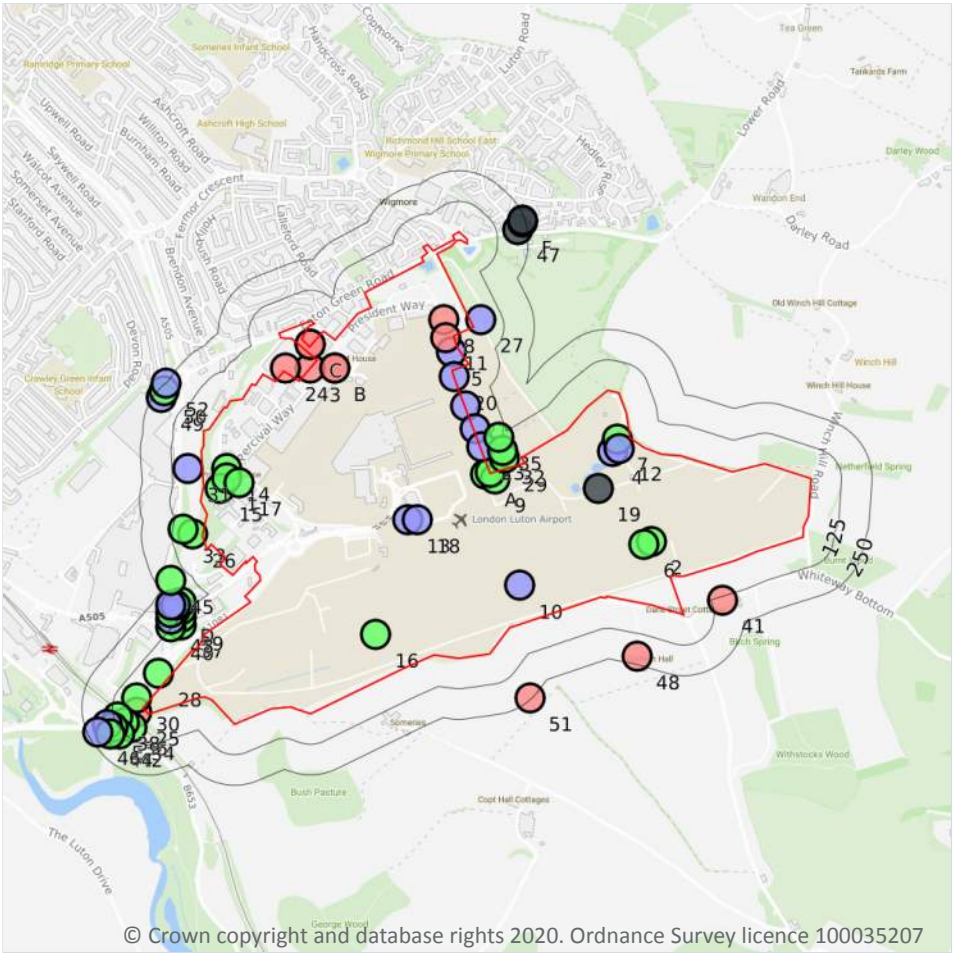
15.10 Bedrock faults and other linear features (50k)

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 **68**

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 137**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	511260 221250	LUTON AIRPORT 2	15.05	N	18463003
2	On site	513000 220990	LUTON AIRPORT NO.1	17.06	N	528440

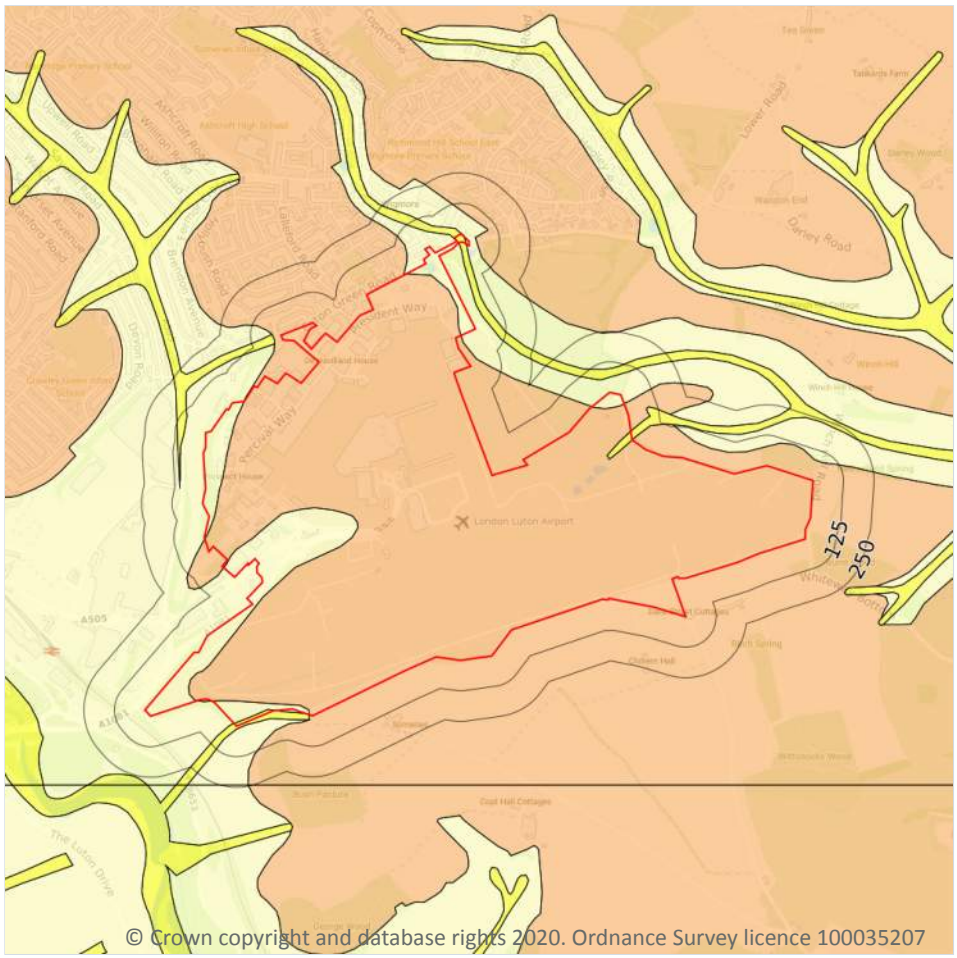
ID	Location	Grid reference	Name	Length	Confidential	Web link
3	**On site**	**511600 221700**	**LUTON AIRPORT**	**50.9**	**N**	**528528**
4	**On site**	**512838 221359**	**LUTON INTERNATIONAL AIR. BH8**	**5.0**	**N**	**528613**
5	**On site**	**512181 221766**	**LUTON INTERNATIONAL AIR. BH16**	**6.85**	**N**	**528619**
6	**On site**	**512970 220980**	**LUTON AIRPORT**	**17.07**	**N**	**528544**
7	**On site**	**512860 221411**	**LUTON INTERNATIONAL AIR. BH9**	**16.5**	**N**	**528614**
8	**On site**	**512150 221900**	**LUTON AIRPORT BEDFORDSHIRE**	**67.0**	**N**	**528653**
9	**On site**	**512359 221247**	**LUTON INTERNATIONAL AIR. BH3**	**28.0**	**N**	**528608**
10	**On site**	**512460 220810**	**LUTON AIRPORT NO.2**	**9.14**	**N**	**528441**
11	**On site**	**512154 221827**	**LUTON INTERNATIONAL AIR. BH17**	**87.95**	**N**	**528620**
12	**On site**	**512868 221373**	**LUTON INTERNATIONAL AIR. BH7**	**5.0**	**N**	**528612**
13	**On site**	**512000 221080**	**LUTON AIRPORT 11**	**8.0**	**N**	**18463009**
14	**On site**	**511260 221290**	**LUTON AIRPORT 4**	**14.0**	**N**	**18463005**
15	**On site**	**511230 221210**	**LUTON AIRPORT 1**	**25.0**	**N**	**18463001**
16	**On site**	**511870 220610**	**LUTON AIRPORT NO.3**	**10.66**	**N**	**528442**
17	**On site**	**511310 221230**	**LUTON AIRPORT 3**	**14.0**	**N**	**18463004**
18	**On site**	**512040 221080**	**LUTON AIRPORT 10**	**7.9**	**N**	**18463008**
19	**On site**	**512780 221210**	**LUTON AIRPORT 1**	**-**	**Y**	**N/A**
A	**On site**	**512319 221267**	**LUTON INTERNATIONAL AIR. BH1**	**17.0**	**N**	**528606**
B	**On site**	**511700 221700**	**LUTON AIRPORT**	**42.67**	**N**	**528665**
B	**On site**	**511700 221700**	**LUTON AIRPORT**	**51.82**	**N**	**528663**
20	2m E	512192 221666	LUTON INTERNATIONAL AIR. BH15	7.95	N	528618
A	3m N	512340 221274	LUTON INTERNATIONAL AIR. BH2	14.0	N	528607
21	5m E	512238 221548	LUTON INTERNATIONAL AIR. BH14	7.1	N	528617
C	6m NW	511600 221800	LUTON AIRPORT	54.86	N	528543
C	6m NW	511600 221800	LUTON AIRPORT	51.82	N	528660
22	7m E	512276 221454	LUTON INTERNATIONAL AIR. BH13	5.45	N	528616
23	8m E	512305 221380	LUTON INTERNATIONAL AIR. BH12	6.45	N	528615
24	13m NE	511500 221700	LUTON AIRPORT	35.97	N	528664

ID	Location	Grid reference	Name	Length	Confidential	Web link
25	31m SW	510890 220290	LUTON EASTERN BY-PASS 43	32.0	N	528467
26	39m W	511120 221020	LUTON EASTERN BY-PASS 60	26.5	N	528482
27	40m NE	512300 221900	WANDON END	-2.0	N	528669
28	43m NW	510980 220450	LUTON EASTERN BY-PASS 45	12.0	N	528469
29	43m N	512397 221332	LUTON INTERNATIONAL AIR. BH4	26.0	N	528609
30	46m NW	510890 220350	LUTON EASTERN BY-PASS 43A	14.3	N	528468
31	59m W	511100 221290	LUTON EASTERN BY-PASS 61	10.0	N	528483
32	75m N	512388 221363	LUTON INTERNATIONAL AIR. BH5	19.0	N	528610
33	82m W	511080 221040	LUTON EASTERN BY-PASS 59	20.0	N	528481
34	86m SW	510870 220230	LUTON EASTERN BY-PASS 41	19.0	N	528466
35	87m E	512375 221418	LUTON INTERNATIONAL AIR. BH6	13.5	N	528611
36	95m SW	510840 220250	LUTON EASTERN BY-PASS 40	13.0	N	528465
37	106m NW	511070 220650	LUTON EASTERN BY-PASS 48	16.0	N	528471
38	112m W	510810 220270	LUTON EASTERN BY-PASS 39	20.0	N	528464
39	121m NW	511070 220680	LUTON EASTERN BY-PASS 51	13.0	N	528473
40	129m NW	511030 220640	LUTON EASTERN BY-PASS 46	17.0	N	528470
41	140m S	513290 220750	DANE STREET FARM, KING`S WALDEN	34.98	N	528545
D	140m NW	511070 220710	LUTON EASTERN BY-PASS 54	12.5	N	528476
42	143m SW	510820 220200	LUTON EASTERN BY-PASS 37	11.5	N	528463
E	147m SW	510790 220230	LUTON EASTERN BY-PASS 36	20.0	N	528462
43	151m NW	511030 220670	LUTON EASTERN BY-PASS 49	4.5	N	528472
D	155m NW	511050 220710	LUTON EASTERN BY-PASS 53	4.2	N	528475
E	160m SW	510770 220240	LUTON EASTERN BY-PASS 35	9.5	N	528461
D	162m NW	511070 220740	LUTON EASTERN BY-PASS 57	15.0	N	528479
D	165m NW	511030 220700	LUTON EASTERN BY-PASS 52	12.5	N	528474
D	168m NW	511050 220730	LUTON EASTERN BY-PASS 56	6.8	N	528478
44	173m SW	510780 220200	LUTON EASTERN BY-PASS 34	11.3	N	528460
D	183m NW	511030 220730	LUTON EASTERN BY-PASS 55	6.4	N	528477

ID	Location	Grid reference	Name	Length	Confidential	Web link
45	194m SW	511030 220830	LUTON EASTERN BY-PASS 58	18.5	N	528480
46	209m SW	510730 220210	LUTON EASTERN BY-PASS 32	9.0	N	528459
47	210m E	512450 222270	WIGMORE HALL FARM LUTON TH 6	-	Y	N/A
48	218m S	512940 220520	CHILTERN HALL, HYDE	45.26	N	528527
49	221m NW	510990 221580	LUTON EASTERN BY-PASS 63	3.5	N	528485
50	233m NW	511000 221610	LUTON EASTERN BY-PASS 64	11.5	N	528486
F	237m E	512470 222300	WIGMORE HALL FARM LUTON TH 10	-	Y	N/A
F	240m E	512470 222310	WIGMORE HALL FARM LUTON TH 9	-	Y	N/A
51	243m SE	512500 220350	LUTON AIRPORT BEDFORDSHIRE	50.5	N	528652
52	249m NW	511010 221640	LUTON EASTERN BY-PASS 67	5.5	N	528489

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	6

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).

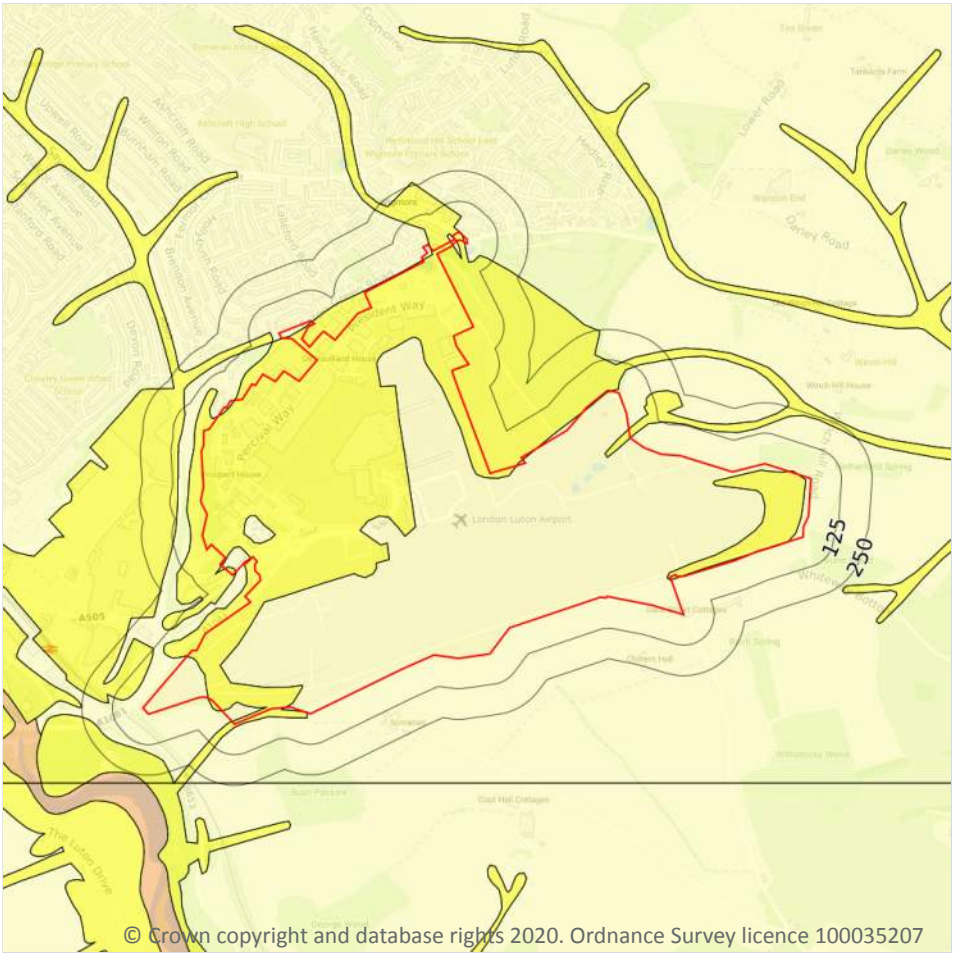
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 141**

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

Location	Hazard rating	Details
11m SE	Negligible	Ground conditions predominantly non-plastic.
32m SW	Very low	Ground conditions predominantly low plasticity.
38m W	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	3

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

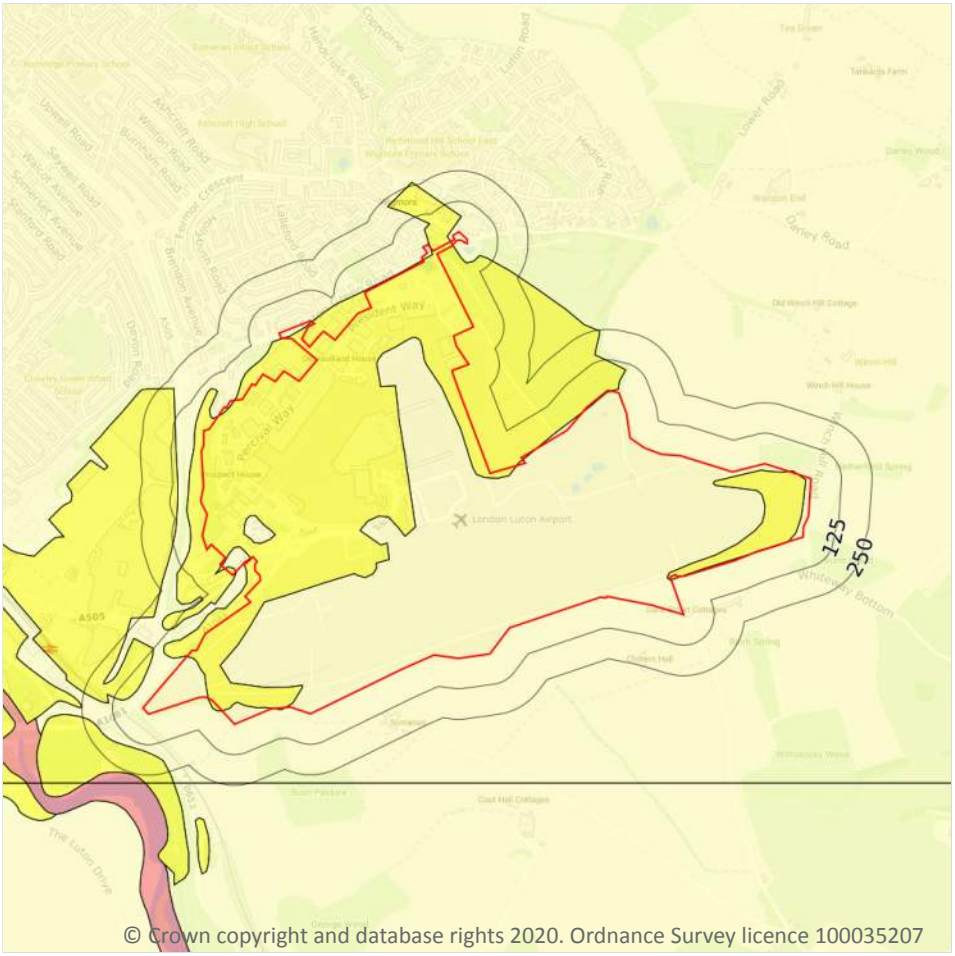
Features are displayed on the Natural ground subsidence - Running sands map on **page 143**

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.**
32m SW	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

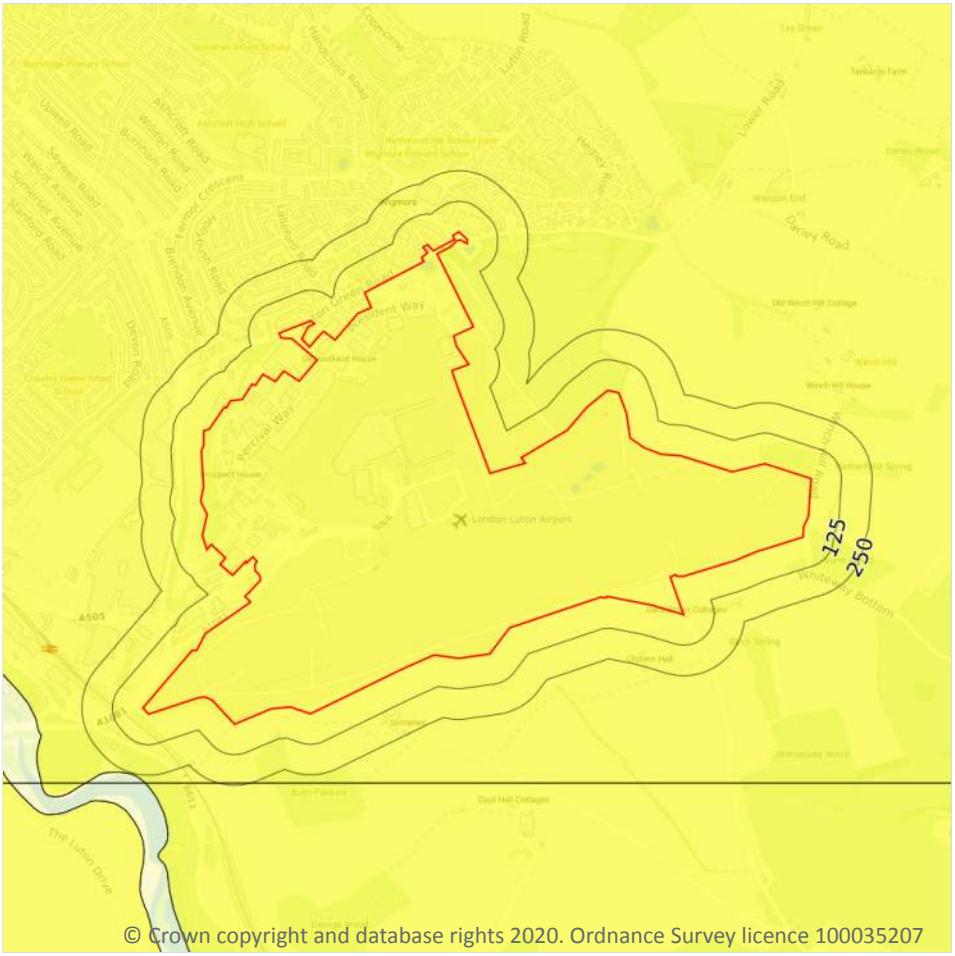
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 145**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

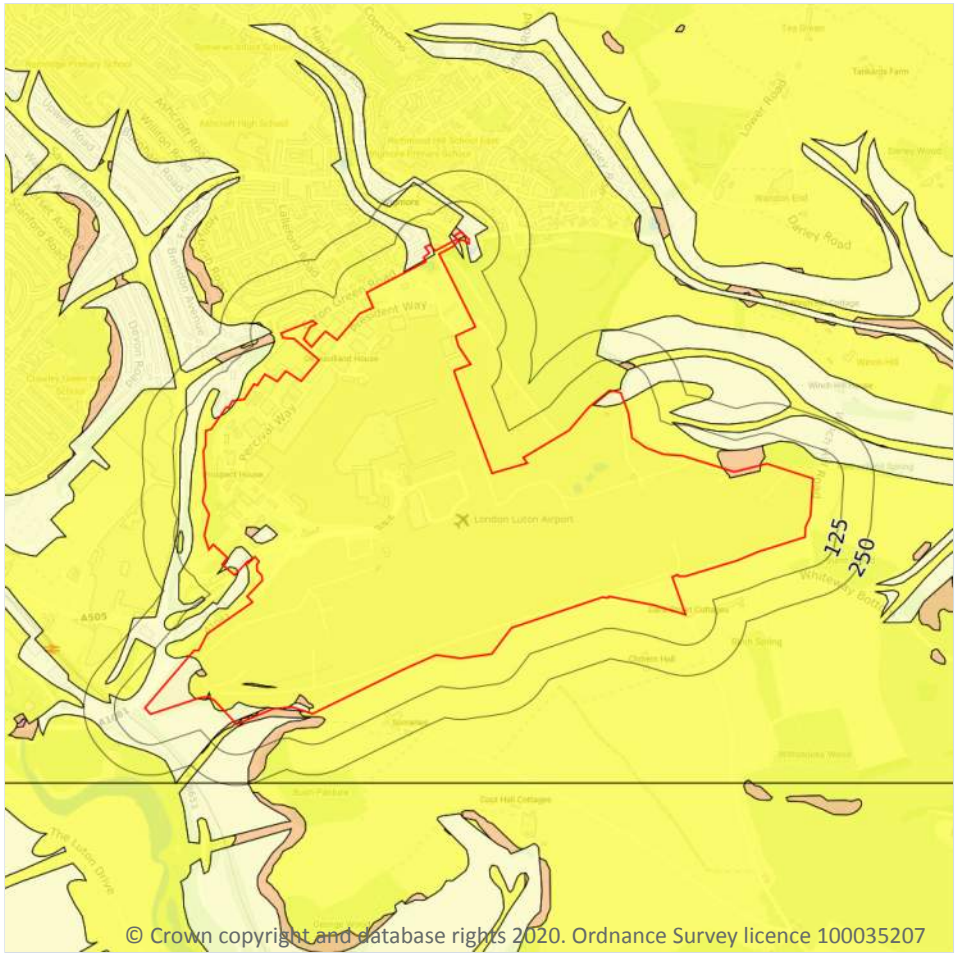
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 147**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	6

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.

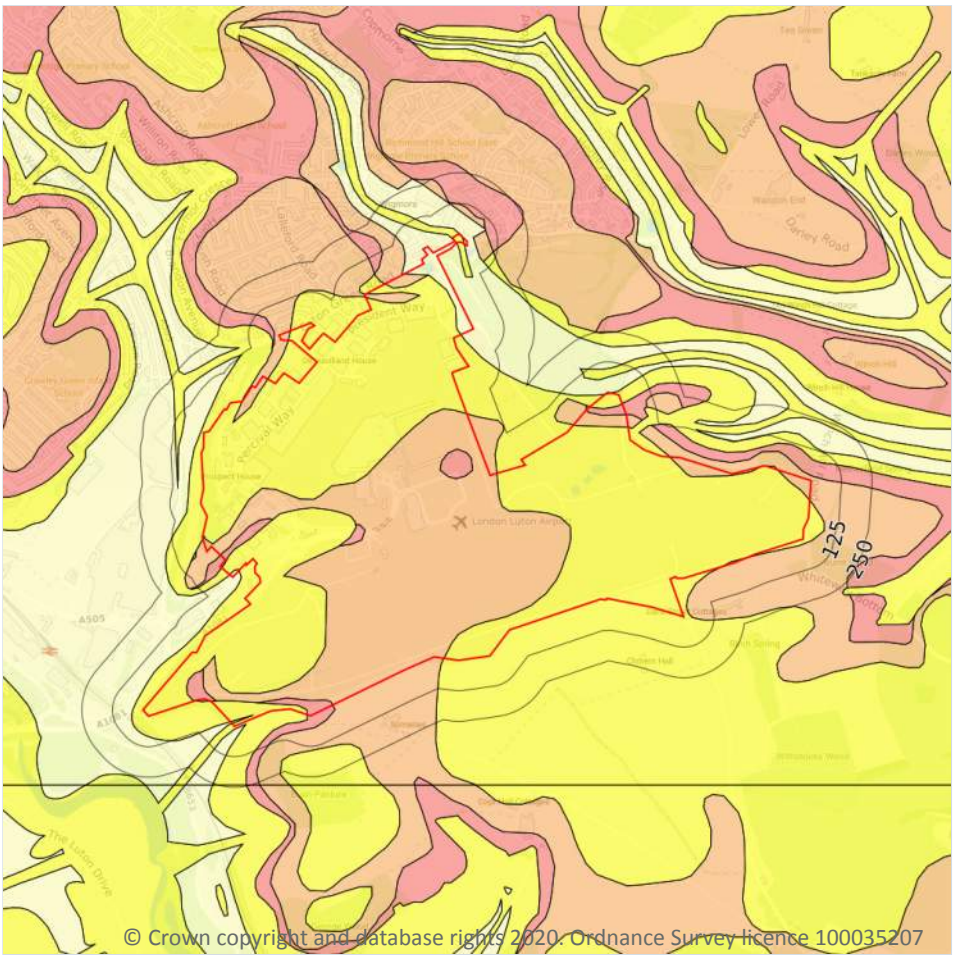
Features are displayed on the Natural ground subsidence - Landslides map on **page 148**

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

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.**
On site	**Low**	**Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.**
11m SE	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
33m SW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
38m W	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	9

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.

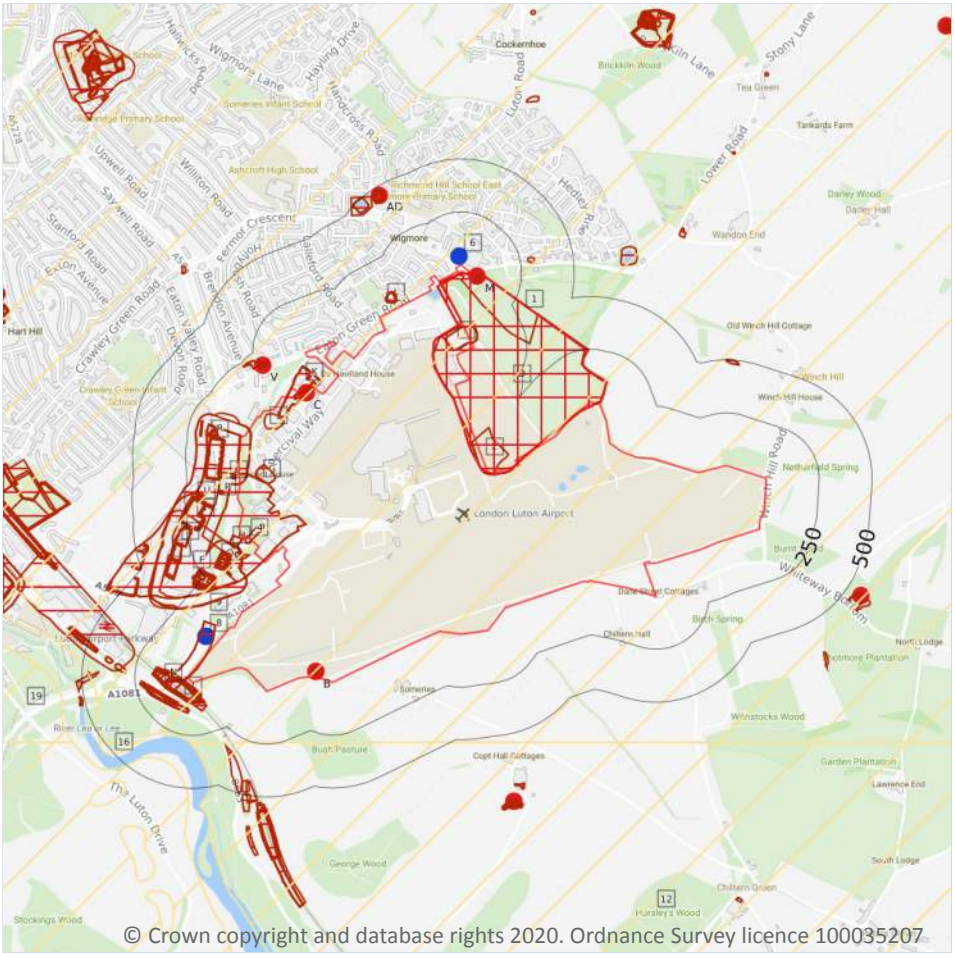
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 150**

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.**
On site	**Moderate**	**Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.**
11m SE	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.
19m N	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.
19m W	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.
29m E	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.
42m W	Moderate	Soluble rocks are present within the ground. Many dissolution features may be present. Potential for difficult ground conditions are at a level where they should be considered. Potential for subsidence is at a level where it may need to be considered.

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

Natural cavities (Area)

Natural cavities (Point)

BritPits

Surface ground workings

Underground workings

Historical Mineral Planning Areas

Mining Cavities

Non Coal Mining

Sporadic underground mining of restricted extent possible

Localised small scale underground mining possible

Small scale mining possible

Underground mining known or likely within or in close proximity

Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m	3

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.

Features are displayed on the Mining, ground workings and natural cavities map on **page 152**

ID	Location	Details	Source
6	40m N	Type: Solution Pipe x 15 Superficial Geology: Clay-with-Flints, Made Ground Bedrock Geology: Chalk Group	Simple Bibliography: - Full Bibliography: EDMONDS, C.N., The engineering geomorphology of karst development and the prediction of subsidence risk upon the chalk outcrop in England. Unpublished PhD thesis, University of London., , 1987; Confidentiality: Data source can be revealed, data can be used freely
8	59m NW	Type: Solution Pipe x 3 Superficial Geology: Clay-with-Flints Bedrock Geology: Chalk Group	Simple Bibliography: C.N Edmonds (Personal Correspondence) Full Bibliography: - Confidentiality: Data source can be revealed, data can be used freely
9	124m NW	Type: Solution Pipe x 3 Superficial Geology: Clay-with-Flints Bedrock Geology: Chalk Group	Simple Bibliography: - Full Bibliography: EDMONDS, C.N., The engineering geomorphology of karst development and the prediction of subsidence risk upon the chalk outcrop in England. Unpublished PhD thesis, University of London., , 1987; Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m	**6**

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 152**

ID	Location	Details	Description
B	**On site**	**Name: Someries Chalk Pit** **Address: LUTON, Bedfordshire** **Commodity: Chalk** **Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site**	**Type: Ceased** **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
C	**On site**	**Name: Eaton Green Brick & Tile Works Address: LUTON, Bedfordshire Commodity: Clay & Shale Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site**	**Type: Ceased 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**
M	42m E	Name: Wigmore Hall Gravel Pit Address: LUTON, Bedfordshire Commodity: Sand & Gravel Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
V	174m NW	Name: Eaton Green Chalk Pit Address: LUTON, Bedfordshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
V	174m NW	Name: Eaton Green Chalk Pit Address: LUTON, Bedfordshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
AD	462m NW	Name: Wigmore Lane Chalk Pit Address: Slaughter's Wood, LUTON, Bedfordshire Commodity: Chalk Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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 **205**

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 152**

ID	Location	Land Use	Year of mapping	Mapping scale
2	**On site**	**Refuse Heap**	**1951**	**1:10560**
3	**On site**	**Unspecified Ground Workings**	**1973**	**1:10000**

ID	Location	Land Use	Year of mapping	Mapping scale
4	On site	Ponds	1973	1:10000
A	On site	Cuttings	1991	1:10000
A	On site	Cuttings	1985	1:10000
B	On site	Unspecified Pit	1900	1:10560
B	On site	Unspecified Pit	1951	1:10560
B	On site	Old Chalk Pit	1879	1:10560
B	On site	Unspecified Heap	1938	1:10560
B	On site	Unspecified Pit	1922	1:10560
B	On site	Old Chalk Pit	1888	1:10560
B	On site	Unspecified Pit	1922	1:10560
B	On site	Old Chalk Pit	1888	1:10560
C	On site	Brick and Tile Works	1879	1:10560
C	On site	Clay Pit	1879	1:10560
C	On site	Brick and Tile Works	1879	1:10560
C	On site	Brick and Tile Works	1888	1:10560
C	On site	Clay Pit	1888	1:10560
C	On site	Brick and Tile Works	1888	1:10560
C	On site	Clay Pit	1888	1:10560
D	On site	Unspecified Workings	1991	1:10000
D	On site	Unspecified Workings	1985	1:10000
D	On site	Refuse Heap	1973	1:10000
E	On site	Sewage Farm	1922	1:10560
E	On site	Sewage Farm	1947	1:10560
E	On site	Sewage Farm	1938	1:10560
E	On site	Sewage Farm	1922	1:10560
E	On site	Sewage Farm	1922	1:10560
F	On site	Unspecified Pit	1991	1:10000
F	On site	Unspecified Pit	1985	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
G	**On site**	**Unspecified Ground Workings**	**1985**	**1:10000**
G	**On site**	**Unspecified Ground Workings**	**1973**	**1:10000**
H	1m W	Unspecified Heap	1991	1:10000
H	1m W	Unspecified Heap	1985	1:10000
H	1m W	Unspecified Heap	1973	1:10000
I	14m SW	Cuttings	1985	1:10000
J	17m W	Sludge Pit	1938	1:10560
I	17m SW	Cuttings	1991	1:10000
J	18m W	Sludge Pit	1938	1:10560
J	19m W	Sludge Pit	1947	1:10560
J	19m W	Sludge Pit	1922	1:10560
J	19m W	Sludge Pit	1938	1:10560
J	19m W	Sludge Pit	1922	1:10560
J	19m W	Sludge Pit	1938	1:10560
J	19m W	Sludge Pit	1922	1:10560
I	19m SW	Cuttings	1973	1:10000
I	19m SW	Cuttings	1938	1:10560
I	27m SW	Cuttings	1938	1:10560
I	27m SW	Cuttings	1922	1:10560
I	27m SW	Cuttings	1938	1:10560
I	27m SW	Cuttings	1922	1:10560
I	27m SW	Cuttings	1947	1:10560
I	27m SW	Cuttings	1922	1:10560
5	28m W	Ponds	1973	1:10000
I	29m SW	Cuttings	1900	1:10560
K	29m N	Brick Kiln	1879	1:10560
K	29m N	Brick Kiln	1879	1:10560
L	30m NW	Unspecified Pit	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
I	30m SW	Cuttings	1888	1:10560
I	30m SW	Cuttings	1888	1:10560
I	30m SW	Cuttings	1938	1:10560
L	32m NW	Unspecified Pit	1951	1:10560
K	32m N	Brick Kiln	1888	1:10560
K	32m N	Brick Kiln	1888	1:10560
L	32m NW	Unspecified Pit	1947	1:10560
L	32m NW	Unspecified Pit	1922	1:10560
L	33m NW	Unspecified Pit	1938	1:10560
L	33m NW	Unspecified Pit	1938	1:10560
L	33m NW	Unspecified Pit	1922	1:10560
L	33m NW	Unspecified Pit	1938	1:10560
L	33m NW	Unspecified Pit	1922	1:10560
I	33m SW	Cuttings	1951	1:10560
M	37m SE	Unspecified Pit	1951	1:10560
M	37m E	Old Gravel Pit	1888	1:10560
M	37m SE	Unspecified Pit	1925	1:10560
M	37m SE	Unspecified Pit	1947	1:10560
M	37m SE	Unspecified Pit	1925	1:10560
M	37m SE	Old Gravel Pit	1899	1:10560
M	37m SE	Old Gravel Pit	1879	1:10560
I	38m SW	Cuttings	1879	1:10560
M	39m SE	Old Gravel Pit	1899	1:10560
7	47m SW	Sewage Farm	1900	1:10560
N	53m W	Cuttings	1985	1:10000
N	69m W	Cuttings	1991	1:10000
O	70m W	Unspecified Ground Workings	1938	1:10560
O	73m W	Unspecified Ground Workings	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
O	73m W	Unspecified Ground Workings	1922	1:10560
O	73m W	Unspecified Ground Workings	1938	1:10560
O	73m W	Unspecified Ground Workings	1922	1:10560
O	73m W	Filter Beds	1938	1:10560
O	73m W	Filter Beds	1947	1:10560
O	73m W	Filter Beds	1922	1:10560
P	73m W	Sedimentation Tanks	1938	1:10560
P	73m W	Sedimentation Tanks	1922	1:10560
P	73m W	Sedimentation Tanks	1938	1:10560
P	73m W	Sedimentation Tanks	1922	1:10560
P	73m W	Sedimentation Tanks	1938	1:10560
P	74m W	Sedimentation Tanks	1938	1:10560
P	74m W	Sedimentation Tanks	1947	1:10560
P	74m W	Sedimentation Tanks	1922	1:10560
O	76m W	Filter Beds	1938	1:10560
O	78m W	Filter Beds	1938	1:10560
O	78m W	Filter Beds	1922	1:10560
O	78m W	Filter Beds	1938	1:10560
O	78m W	Filter Beds	1922	1:10560
Q	89m SW	Unspecified Ground Workings	1938	1:10560
Q	95m SW	Sewage Tanks	1947	1:10560
Q	95m SW	Sewage Tanks	1922	1:10560
Q	95m SW	Sewage Tanks	1938	1:10560
Q	100m SW	Sewage Tanks	1938	1:10560
Q	100m SW	Unspecified Heap	1973	1:10000
Q	101m SW	Ponds	1900	1:10560
R	105m W	Sedimentation Tanks	1938	1:10560
R	105m W	Sedimentation Tanks	1922	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
R	105m W	Sedimentation Tanks	1938	1:10560
R	105m W	Sedimentation Tanks	1922	1:10560
Q	105m SW	Sewage Tanks	1938	1:10560
Q	105m SW	Sewage Tanks	1922	1:10560
Q	105m SW	Sewage Tanks	1938	1:10560
Q	105m SW	Sewage Tanks	1922	1:10560
R	108m W	Sedimentation Tanks	1938	1:10560
N	110m W	Cuttings	1900	1:10560
R	111m W	Sedimentation Tanks	1922	1:10560
S	118m SW	Cuttings	1888	1:10560
S	118m SW	Cuttings	1888	1:10560
S	118m SW	Cuttings	1938	1:10560
R	120m W	Sedimentation Tanks	1922	1:10560
Q	121m SW	Sewage Tanks	1938	1:10560
Q	121m SW	Sewage Tanks	1922	1:10560
Q	121m SW	Sewage Tanks	1938	1:10560
Q	121m SW	Sewage Tanks	1922	1:10560
S	121m S	Cuttings	1951	1:10560
S	121m SW	Cuttings	1947	1:10560
S	121m SW	Cuttings	1922	1:10560
S	123m SW	Cuttings	1922	1:10560
S	123m SW	Cuttings	1922	1:10560
S	123m SW	Cuttings	1938	1:10560
T	124m W	Unspecified Ground Workings	1938	1:10560
10	125m SW	Cuttings	1879	1:10560
T	127m W	Unspecified Ground Workings	1938	1:10560
T	127m W	Unspecified Ground Workings	1922	1:10560
T	127m W	Unspecified Ground Workings	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
T	127m W	Unspecified Ground Workings	1922	1:10560
S	129m SW	Cuttings	1879	1:10560
R	134m W	Sedimentation Tanks	1922	1:10560
S	135m SW	Cuttings	1973	1:10000
S	140m SW	Cuttings	1900	1:10560
Q	141m SW	Sewage Tanks	1938	1:10560
Q	141m SW	Sewage Tanks	1922	1:10560
Q	141m SW	Sewage Tanks	1938	1:10560
Q	141m SW	Sewage Tanks	1922	1:10560
Q	152m SW	Sewage Tanks	1947	1:10560
Q	152m SW	Sewage Tanks	1922	1:10560
Q	152m SW	Sewage Tanks	1900	1:10560
Q	153m SW	Sewage Tanks	1938	1:10560
T	153m W	Filter Beds	1938	1:10560
T	154m W	Filter Beds	1947	1:10560
T	154m W	Filter Beds	1922	1:10560
U	158m W	Sedimentation Tanks	1938	1:10560
U	158m W	Sedimentation Tanks	1922	1:10560
U	158m W	Sedimentation Tanks	1938	1:10560
U	158m W	Sedimentation Tanks	1922	1:10560
V	159m NW	Old Chalk Pit	1888	1:10560
V	159m NW	Old Chalk Pit	1888	1:10560
V	160m NW	Old Chalk Pit	1879	1:10560
V	161m NW	Unspecified Ground Workings	1985	1:10000
U	162m W	Sedimentation Tanks	1938	1:10560
V	163m NW	Unspecified Ground Workings	1900	1:10560
U	163m W	Sedimentation Tanks	1947	1:10560
U	163m W	Sedimentation Tanks	1922	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
V	163m NW	Unspecified Pit	1938	1:10560
V	163m NW	Unspecified Ground Workings	1991	1:10000
V	165m NW	Unspecified Ground Workings	1947	1:10560
V	165m NW	Unspecified Ground Workings	1922	1:10560
V	166m NW	Unspecified Pit	1951	1:10560
W	181m NW	Sewage Tanks	1938	1:10560
U	183m W	Sedimentation Tanks	1938	1:10560
W	183m NW	Sewage Tanks	1947	1:10560
W	183m NW	Sewage Tanks	1922	1:10560
U	184m W	Sedimentation Tanks	1947	1:10560
U	184m W	Sedimentation Tanks	1922	1:10560
11	184m W	Sedimentation Tanks	1947	1:10560
W	192m NW	Unspecified Ground Workings	1938	1:10560
W	194m NW	Ponds	1900	1:10560
W	196m NW	Sewage Tanks	1938	1:10560
W	196m NW	Sewage Tanks	1922	1:10560
W	196m NW	Sewage Tanks	1938	1:10560
W	196m NW	Sewage Tanks	1922	1:10560
W	197m NW	Sewage Tanks	1938	1:10560
W	197m NW	Sewage Tanks	1922	1:10560
W	197m NW	Sewage Tanks	1938	1:10560
W	197m NW	Sewage Tanks	1922	1:10560
W	206m NW	Sewage Tanks	1938	1:10560
X	226m W	Pond	1938	1:10560
X	227m W	Pond	1947	1:10560
X	227m W	Pond	1922	1:10560
Y	227m W	Ponds	1938	1:10560
X	228m W	Pond	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
X	228m W	Pond	1922	1:10560
X	228m W	Pond	1938	1:10560
X	228m W	Pond	1922	1:10560
W	237m NW	Sewage Tanks	1938	1:10560
W	237m NW	Sewage Tanks	1922	1:10560
W	237m NW	Sewage Tanks	1938	1:10560
W	237m NW	Sewage Tanks	1922	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m **2**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 152**

ID	Location	Land Use	Year of mapping	Mapping scale
D	**On site**	**Unspecified Workings**	**1991**	**1:10000**
D	**On site**	**Unspecified Workings**	**1985**	**1:10000**

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m **0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**8**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 152**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Chalk**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
12	241m S	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
16	383m SW	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
17	391m S	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
19	605m W	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
-	915m W	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
-	965m W	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
-	974m W	Not available	Chalk	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

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 Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site	0

Areas which could be affected by former coal 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 Mining Searches UK.

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

Site Outline

Search buffers in metres (m)

Greater than 30%

Between 10% and 30%

Between 5% and 10%

Between 3% and 5%

Between 1% and 3%

Less than 1%

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 166**

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	90

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

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

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

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**45 - 60 mg/kg**
8m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
8m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
8m W	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
11m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
11m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
12m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
12m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
19m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
21m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
21m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
21m SW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
23m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
24m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
27m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
29m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
32m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
38m SW	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
38m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
39m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
47m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
48m W	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 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

Site Outline

Search buffers in metres (m)

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

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	3

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

Features are displayed on the Railway infrastructure and projects map on **page 173**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway Sidings**	**1962**	**1250**
24m SW	Railway	1880	-
125m SW	Railway	1880	-

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	1

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

Features are displayed on the Railway infrastructure and projects map on **page 173**

Location	Description
126m SW	Abandoned

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	**10**

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

Features are displayed on the Railway infrastructure and projects map on **page 173**

Location	Name	Type
55m SW	Midland Main Line	rail
58m SW	Midland Main Line	rail
60m SW	Not given	Multi Track
62m SW	Midland Main Line	rail
66m SW	Midland Main Line	rail
76m S	Not given	Multi Track
100m W	Not given	Multi Track
115m S	Not given	Multi Track
157m S	Not given	Multi Track
158m W	Not given	Multi Track

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.

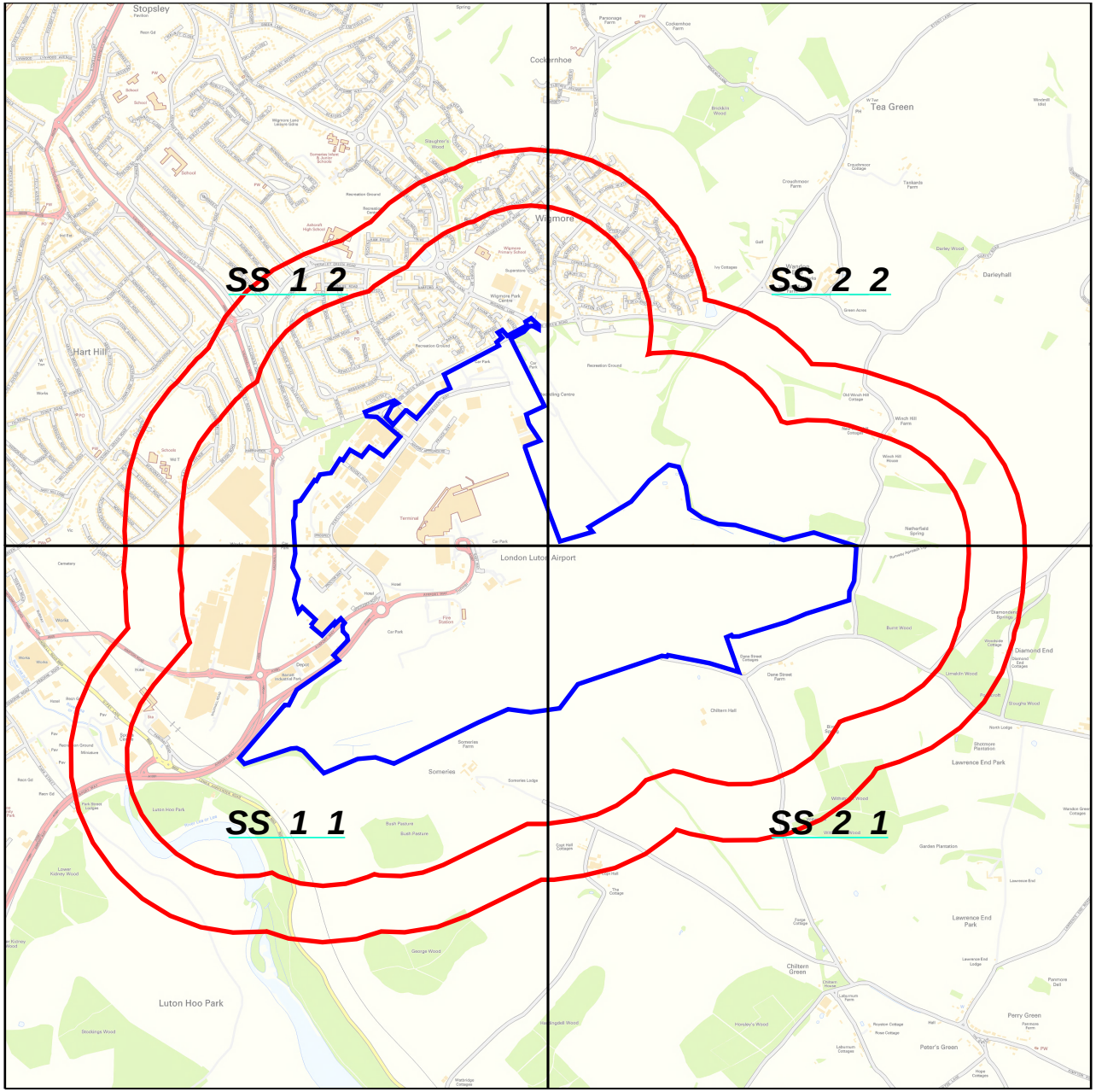
This data is sourced from HS2 ltd.

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]

Terms and conditions

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



Groundsure INSIGHTS

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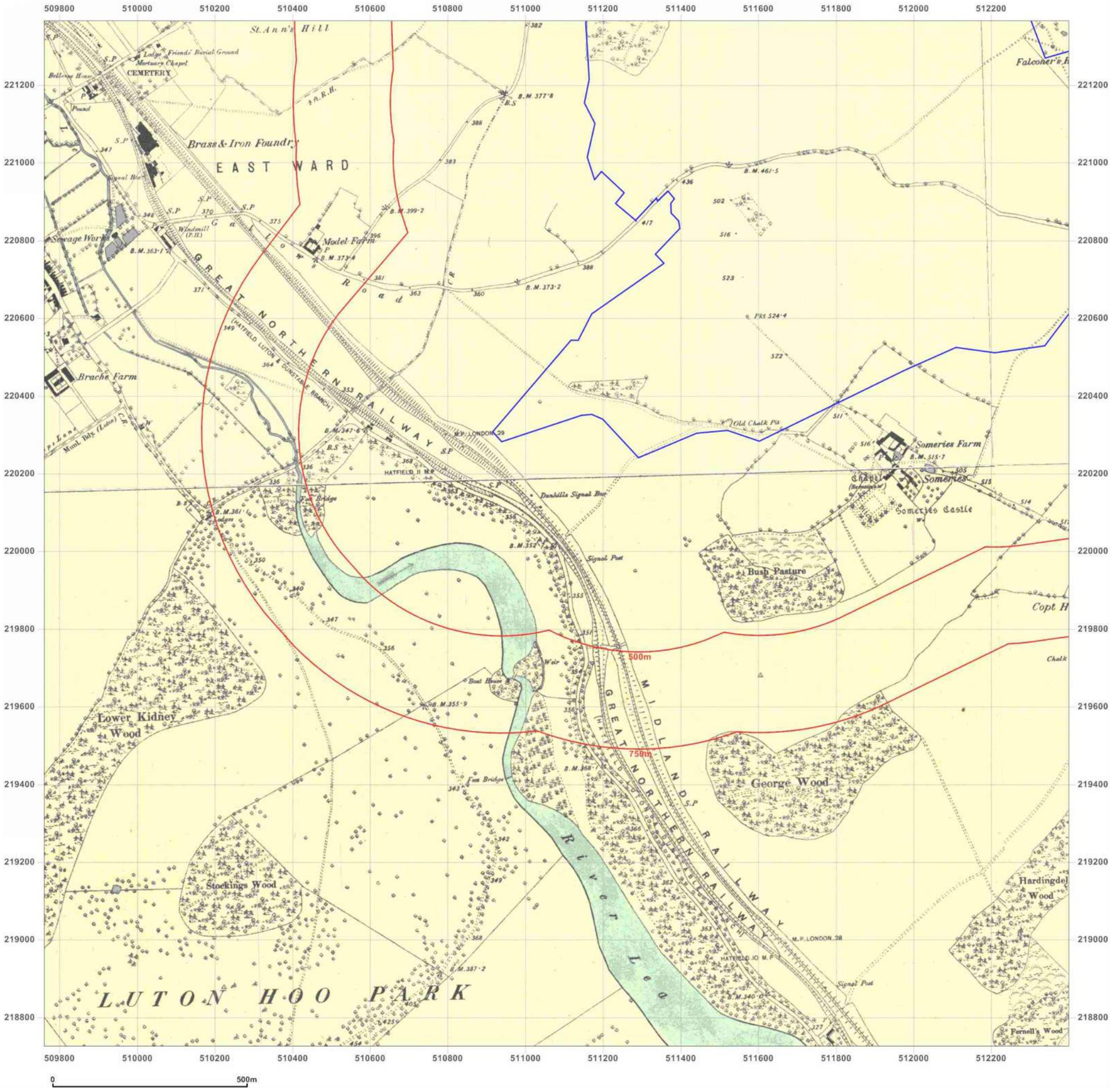
Small Scale Grid Index



Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

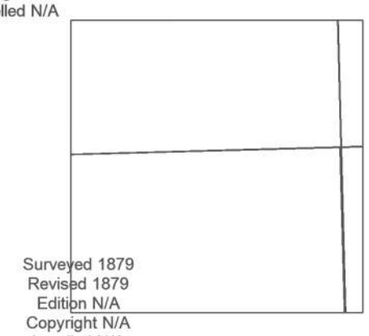
Map date: **1879**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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



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

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

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

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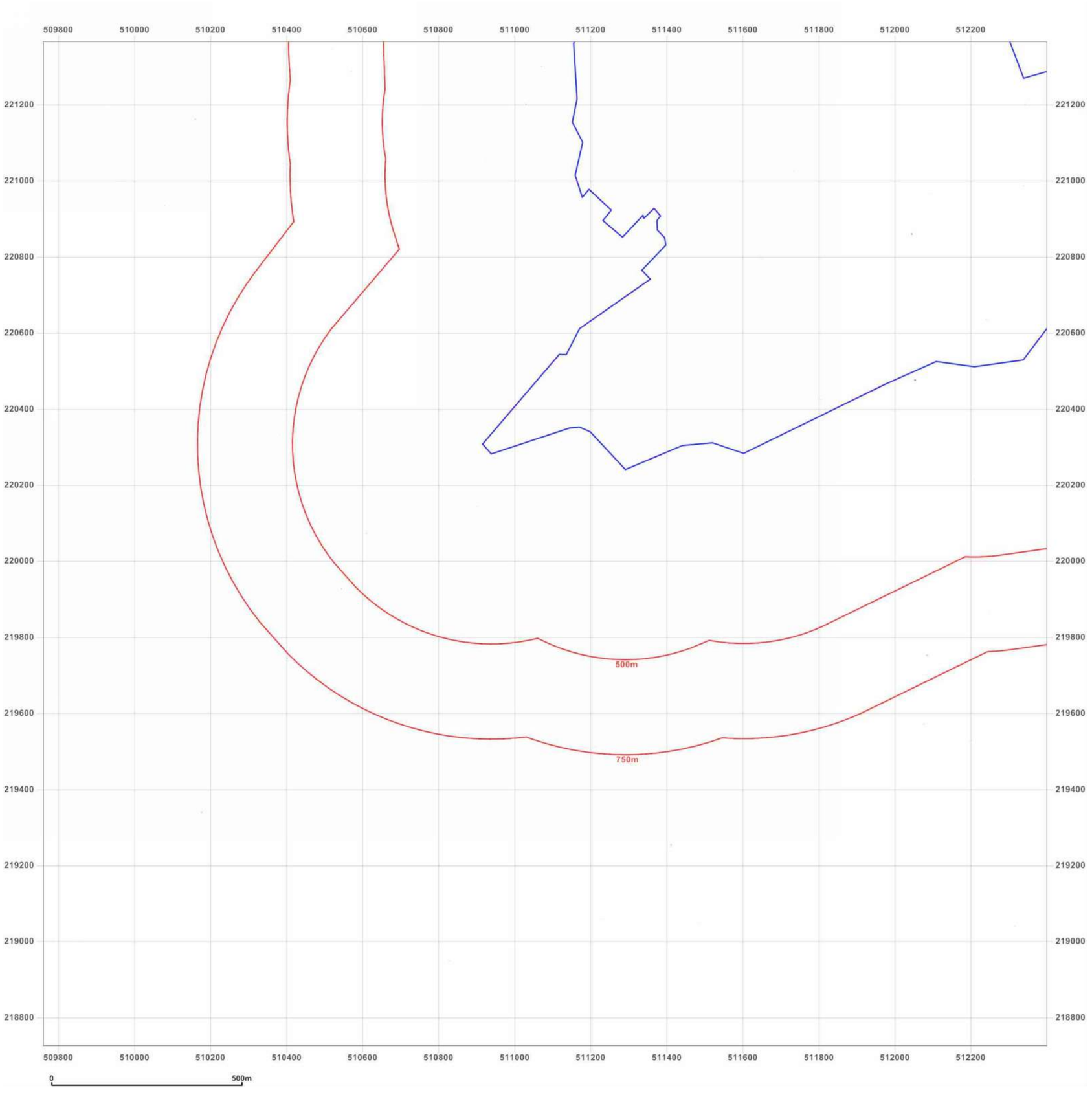
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 20 November 2020

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series
Map date: **1884**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
S

Surveyed 1881
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A

Powered by OS

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[REDACTED]

Production date: 20 November 2020

Map legend available at:
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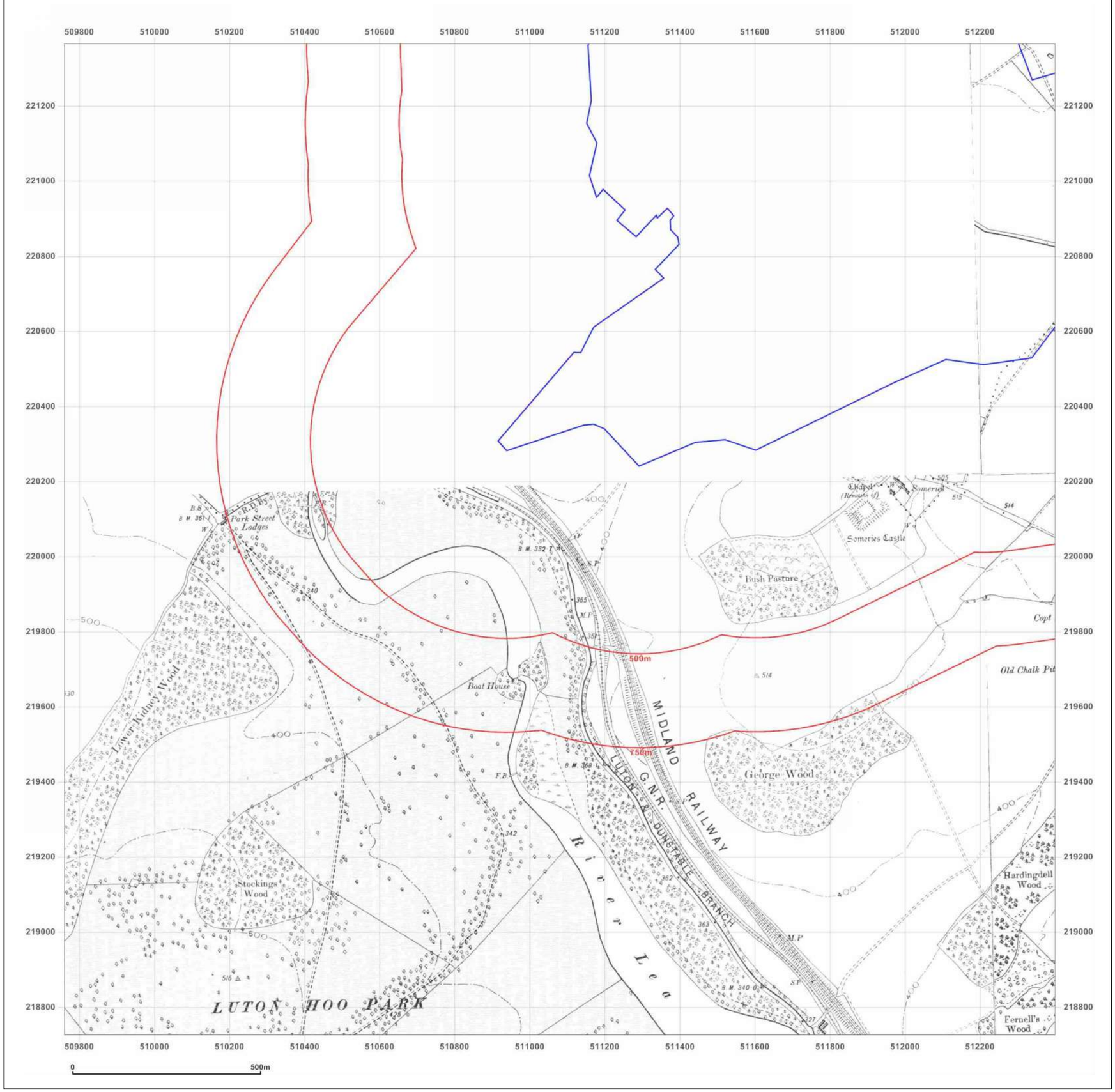

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

Map date: **1899**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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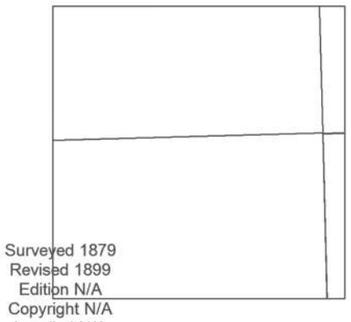
Surveyed 1880
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1879
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1880
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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[REDACTED]

Production date: 20 November 2020

Map legend available at:
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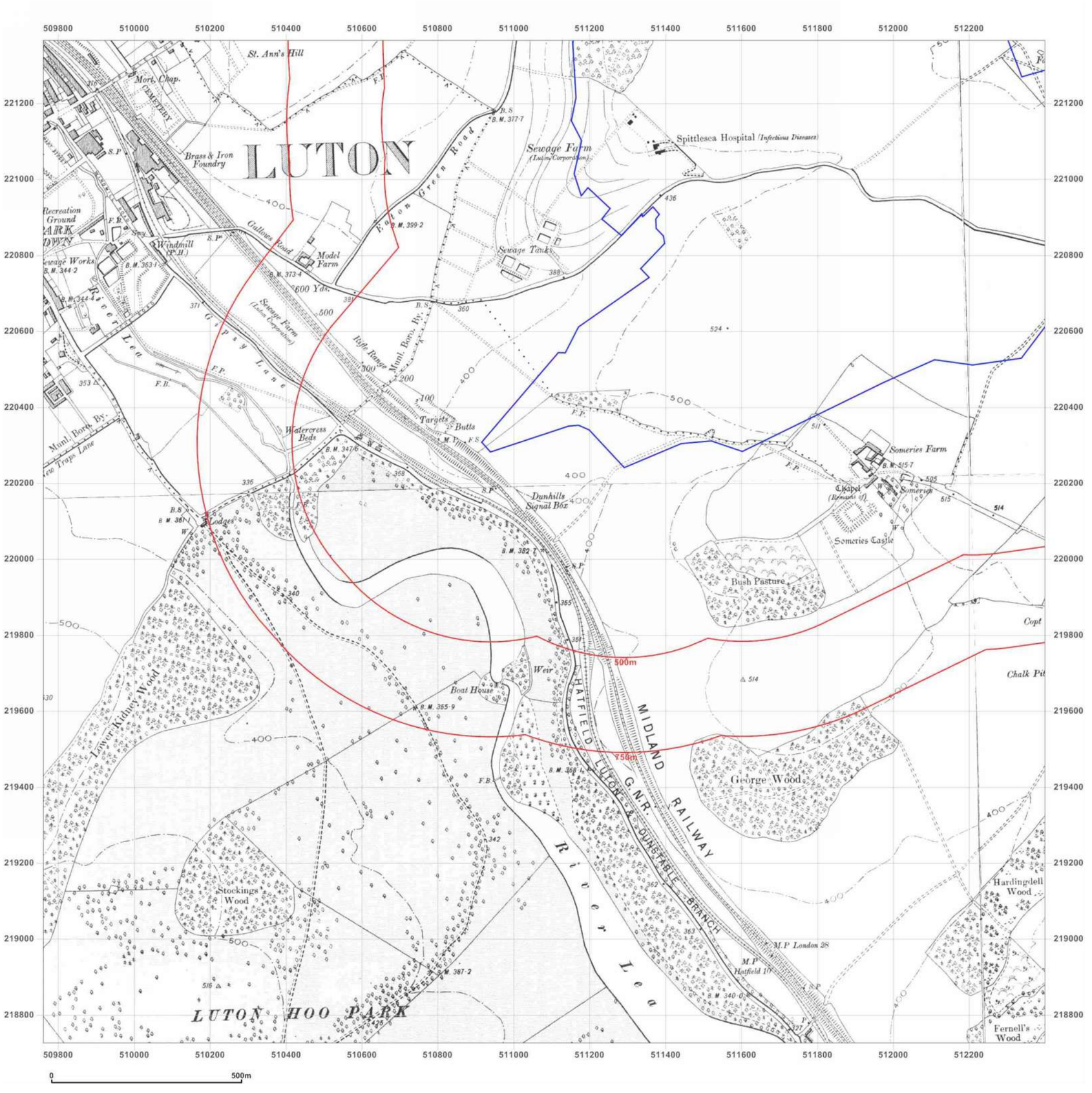


Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

Map date: **1899-1900**

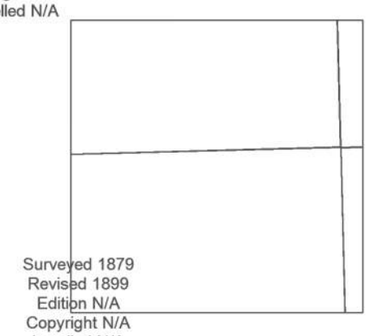
Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1880
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1879
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

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T: 08444 159000
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W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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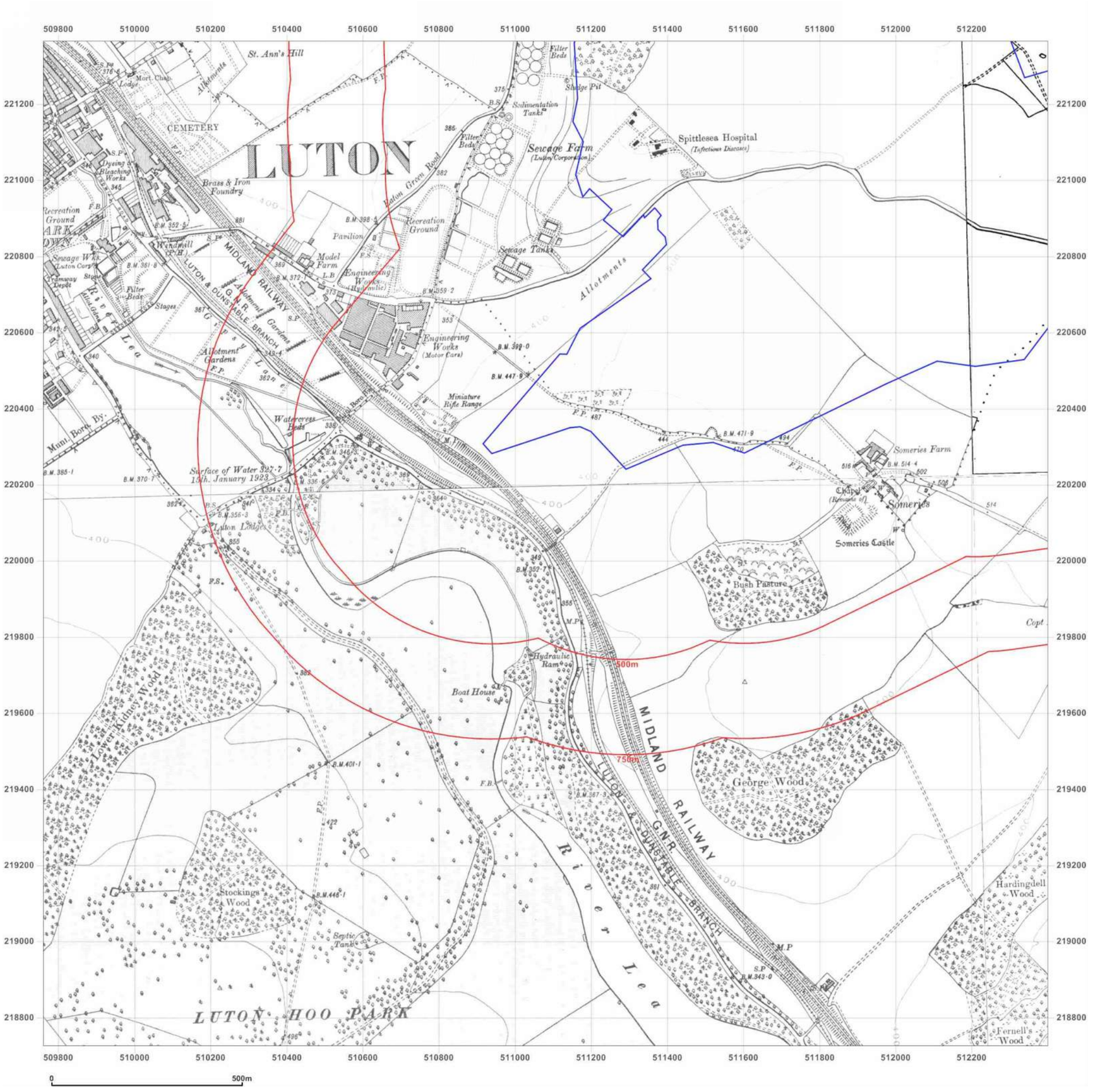

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

Map date: **1922-1925**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1879
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition 1925
Copyright N/A
Levelled N/A

Surveyed 1878
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1878
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

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T: 08444 159000
E: info@groundsure.com
[REDACTED]

Production date: 20 November 2020

Map legend available at:
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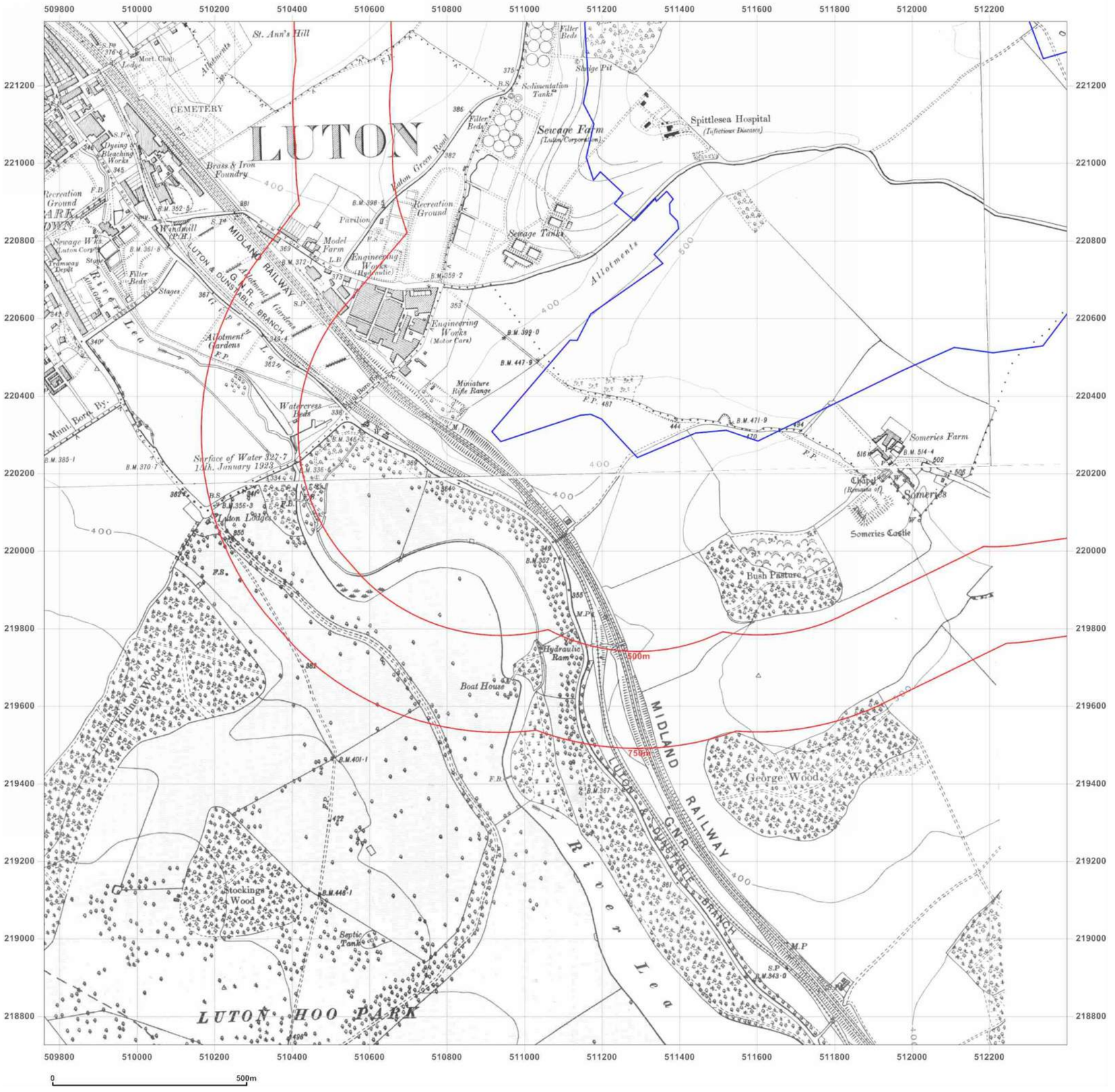


Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

Map date: **1922-1925**

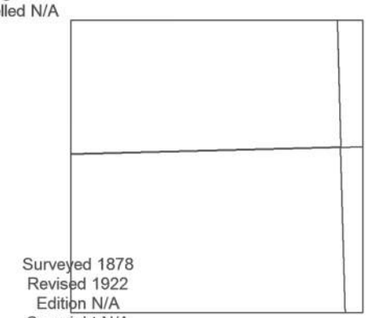
Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1879
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1878
Revised 1922
Edition 1925
Copyright N/A
Levelled N/A



Surveyed 1878
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

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Produced by
Groundsure Insights
T: 08444 159000
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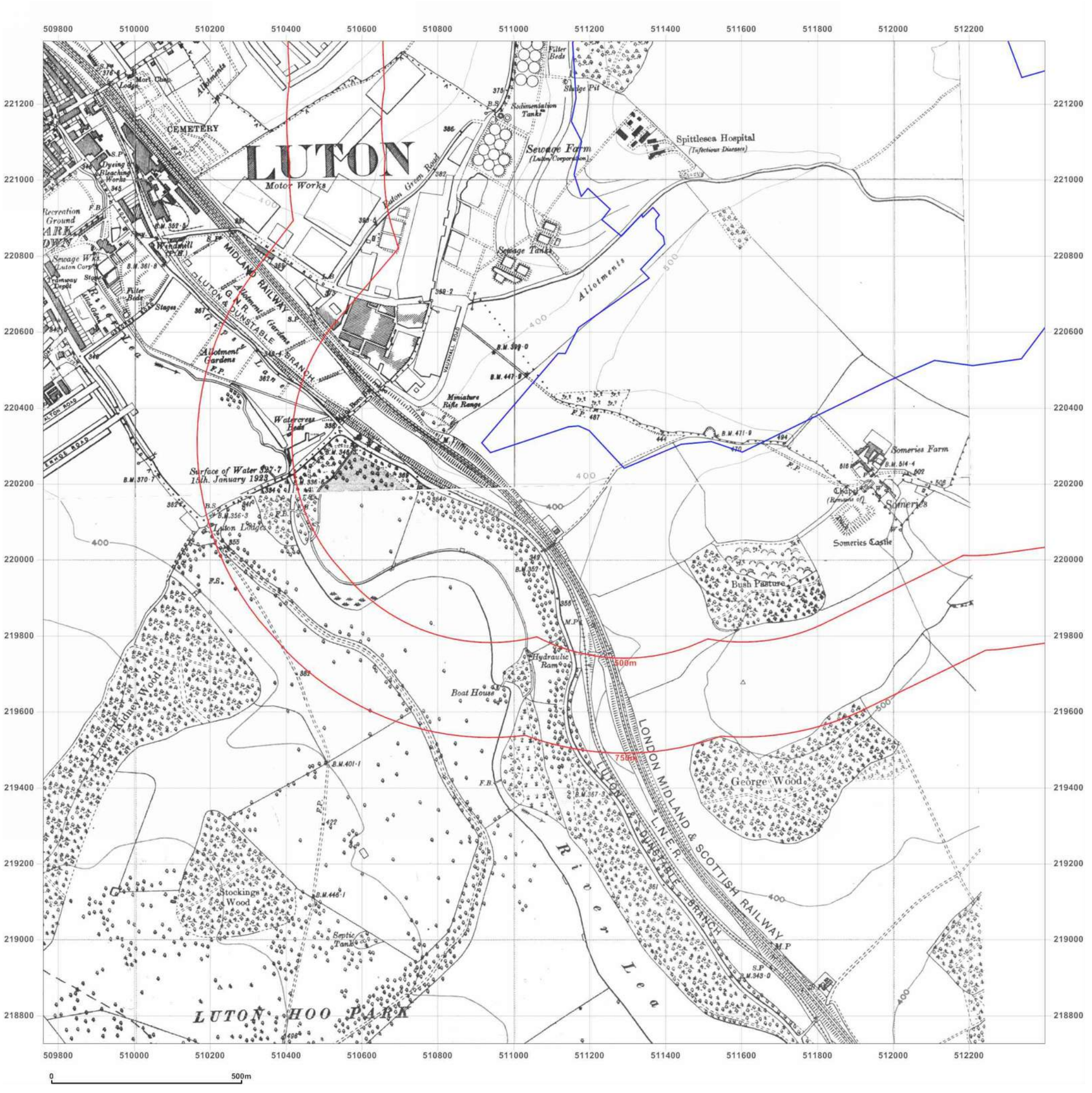
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

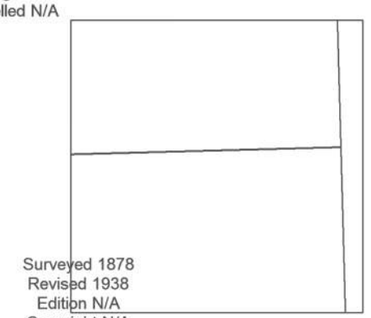
Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1879
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



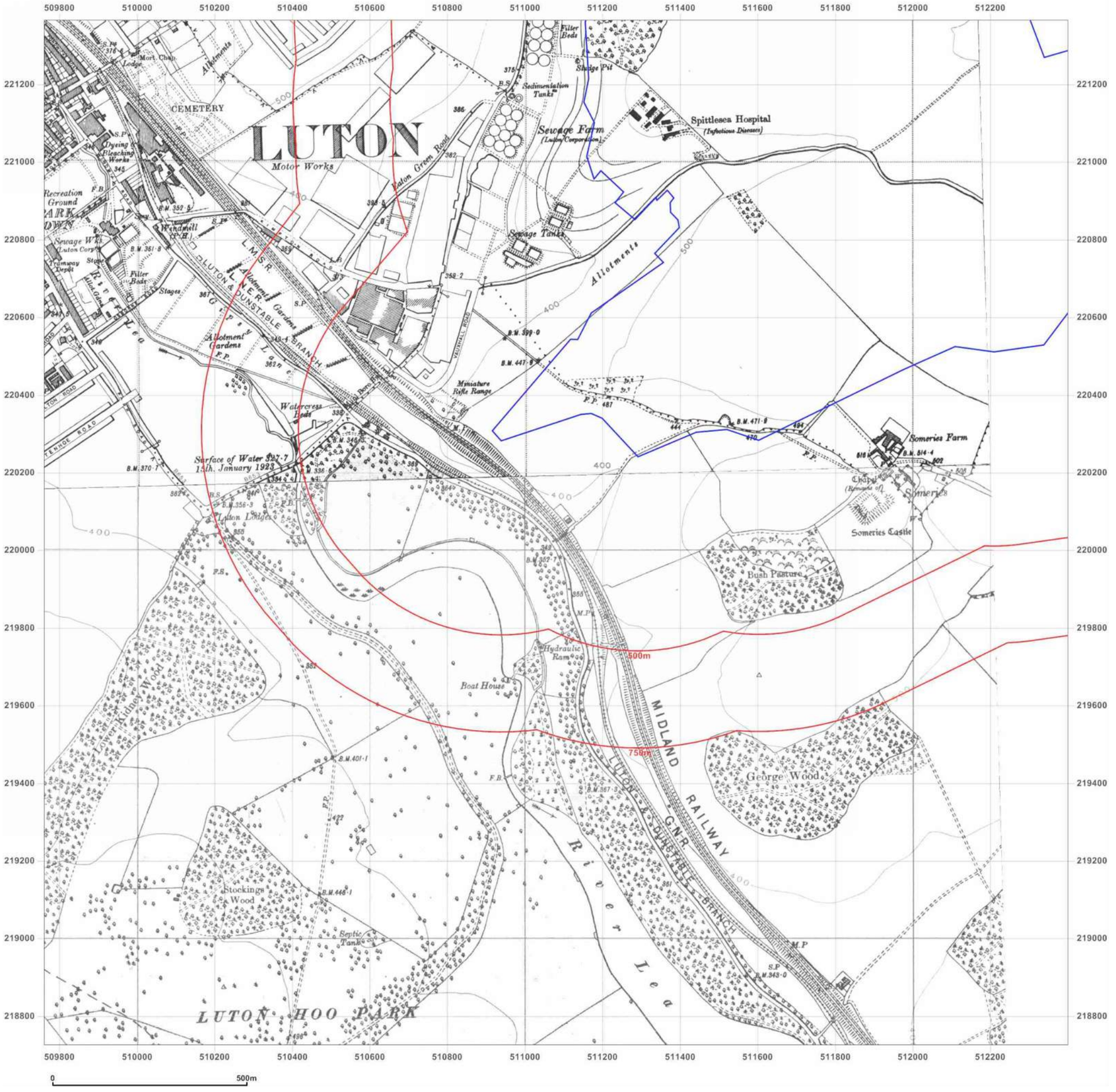
Surveyed 1878
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
[REDACTED]



Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

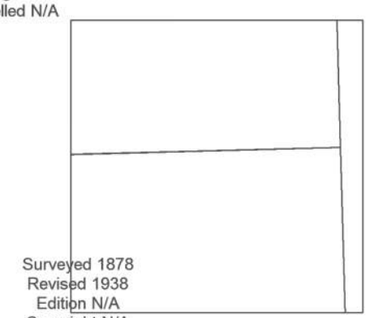
Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1879
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1878
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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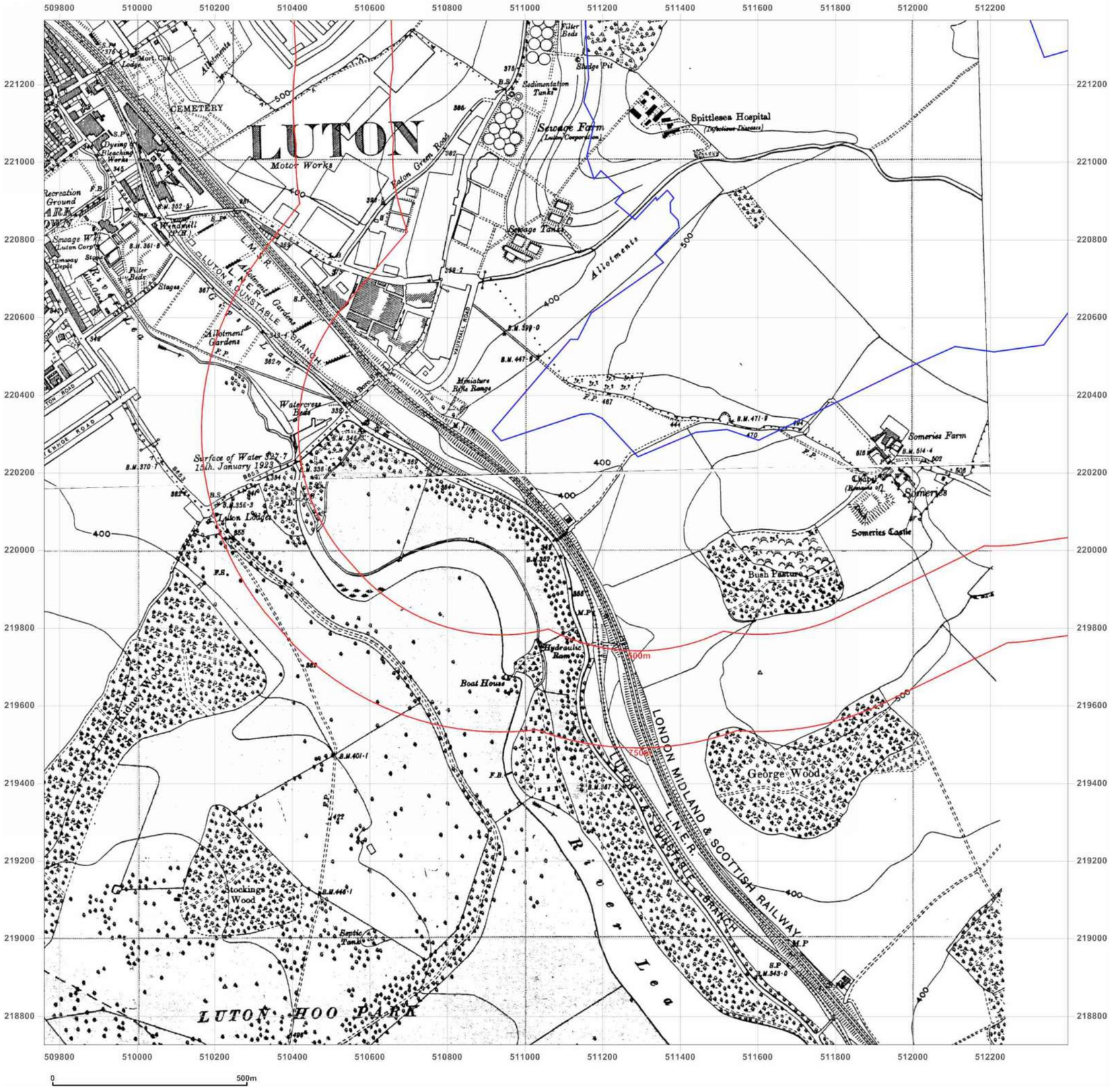


Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

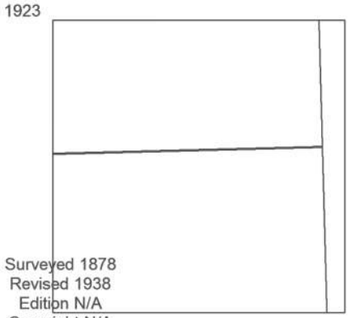
Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1979
Revised 1938
Edition N/A
Copyright N/A
Levelled 1923



Surveyed 1878
Revised 1938
Edition N/A
Copyright N/A
Levelled 1923

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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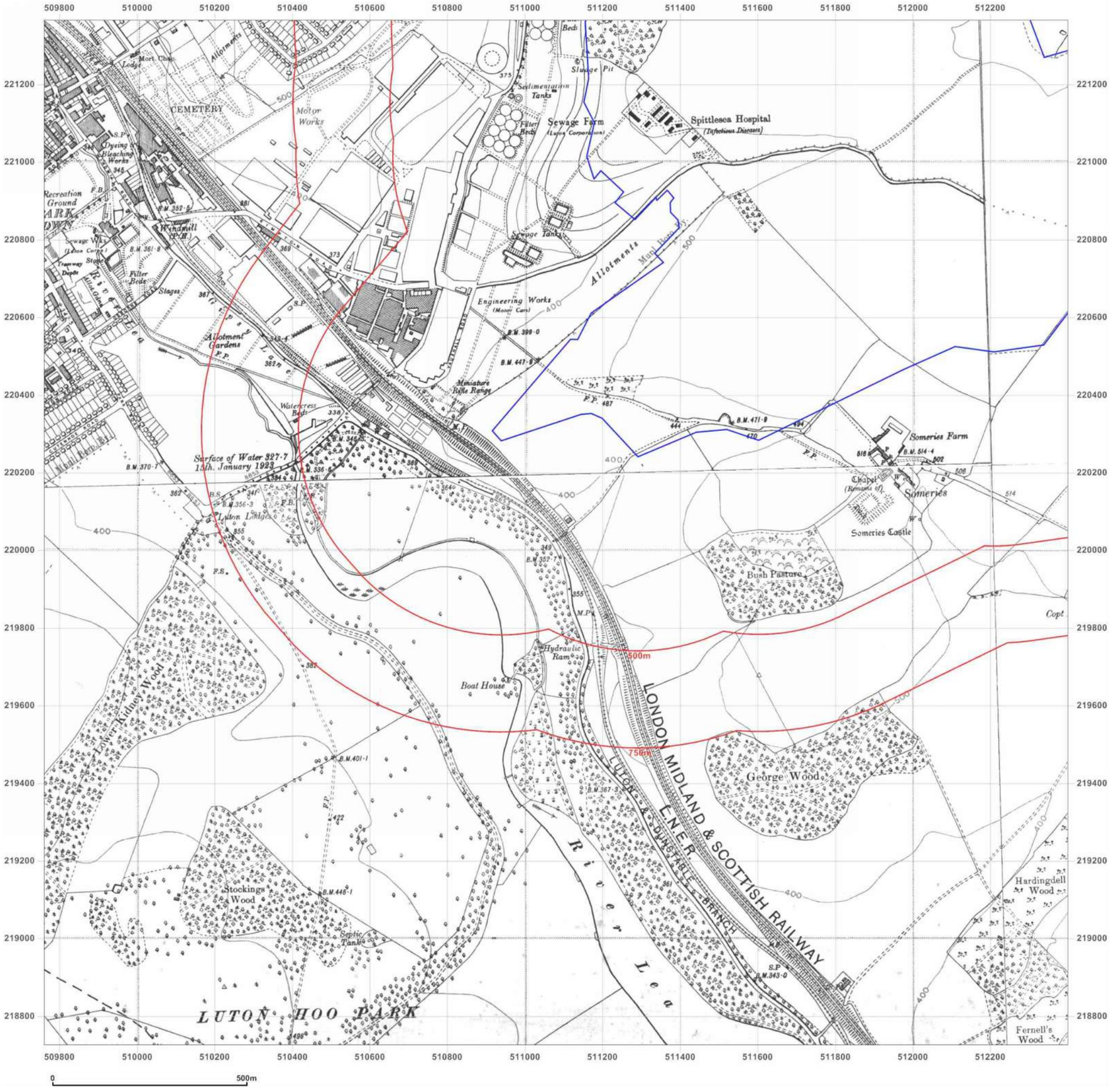

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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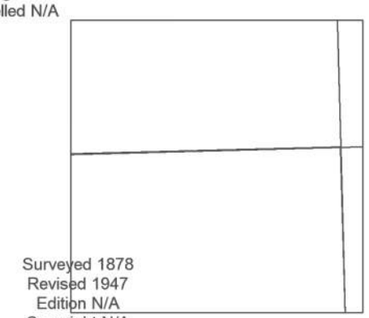
Surveyed 1879
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1878
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1878
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1878
Revised 1947
Edition N/A
Copyright N/A
Levelled N/A

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Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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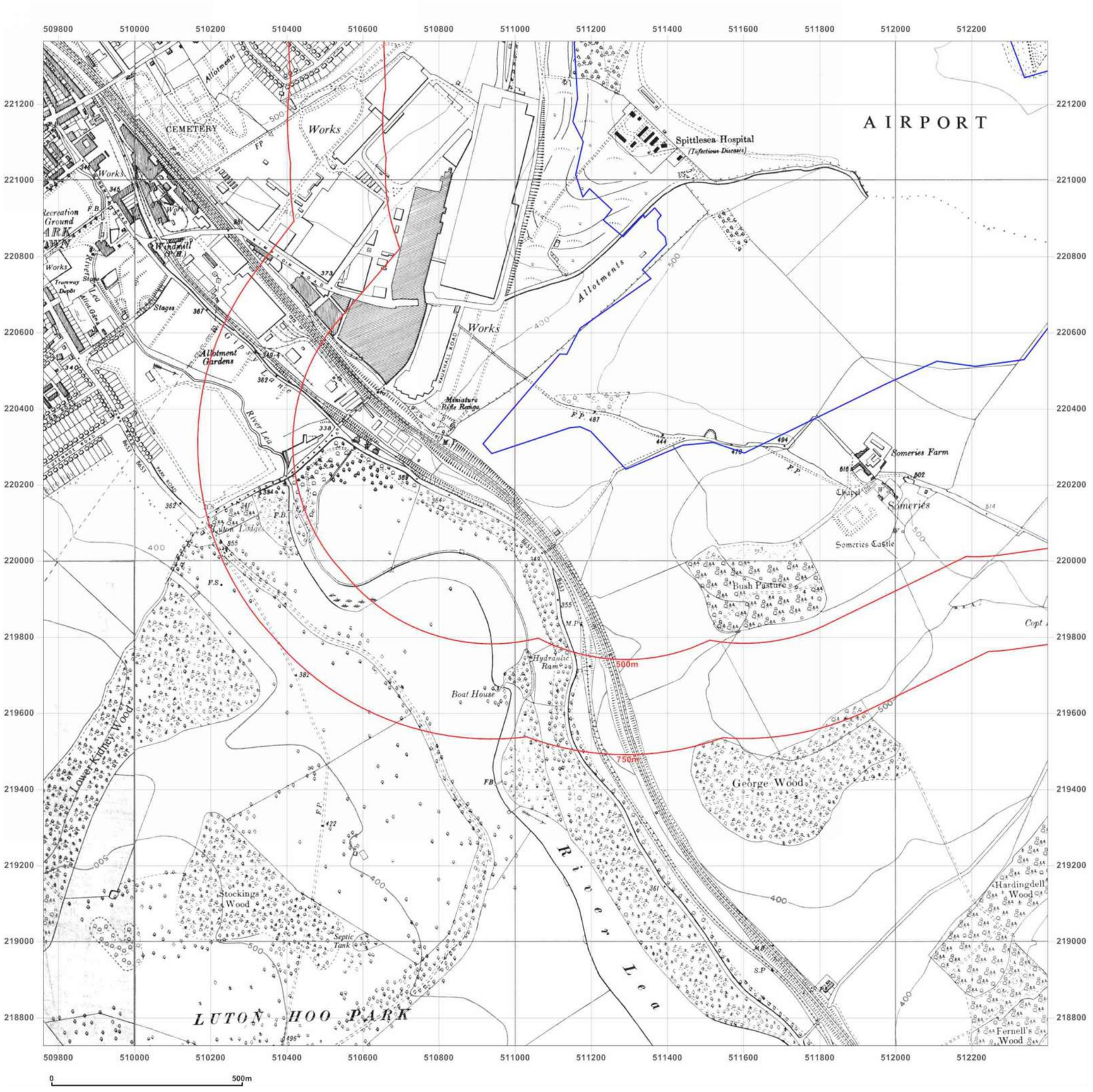

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: Provisional
Map date: **1960**
Scale: 1:10,560
Printed at: 1:10,560

N
W E
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Surveyed 1951
Revised 1951
Edition 1960
Copyright 1960
Levelled N/A

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

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

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

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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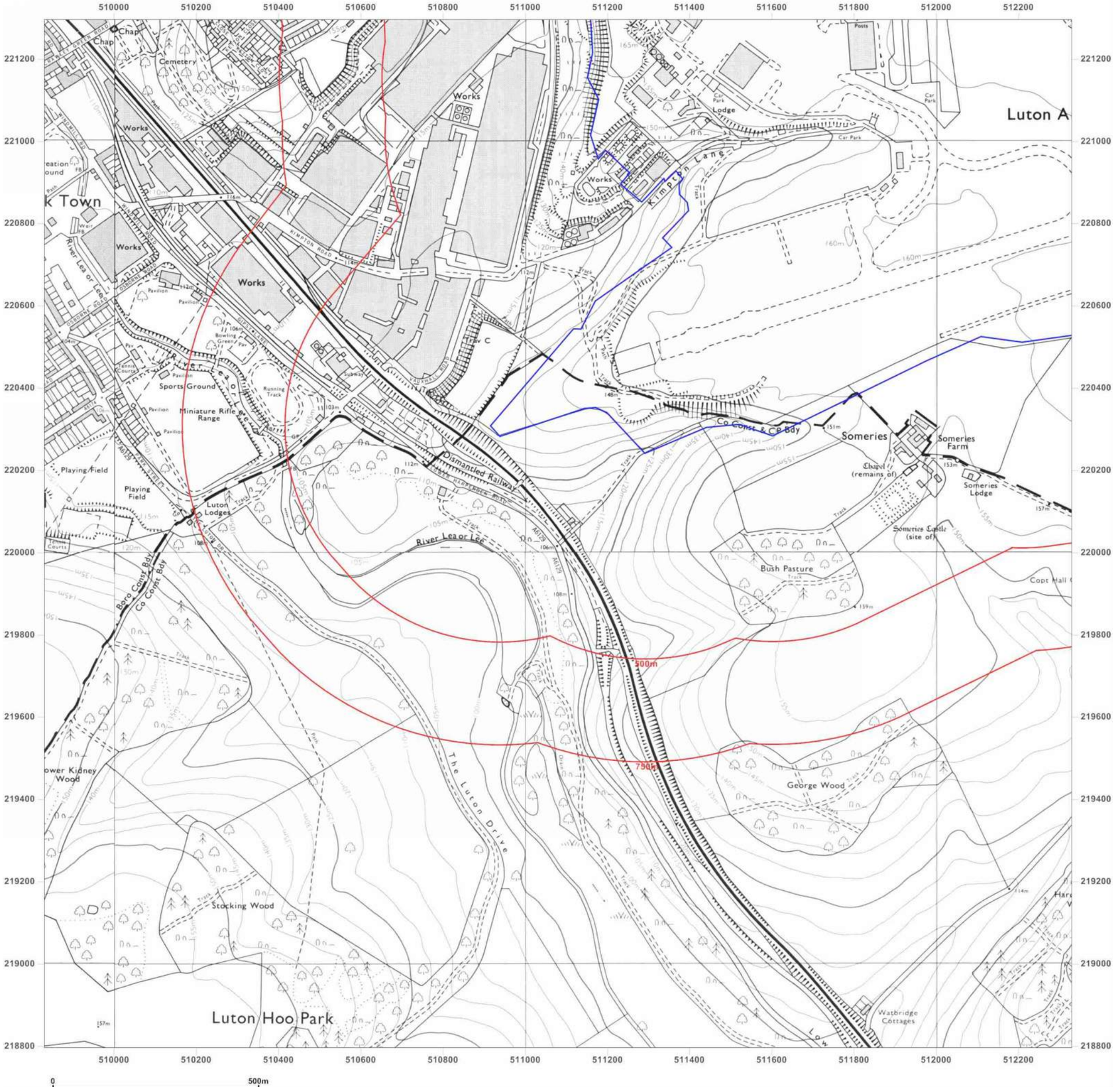

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: National Grid

Map date: **1974-1977**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1974
Revised 1976
Edition N/A
Copyright 1977
Levelled 1970

Surveyed 1973
Revised 1975
Edition N/A
Copyright 1975
Levelled 1973

Surveyed 1973
Revised 1974
Edition N/A
Copyright 1975
Levelled 1971

Surveyed 1972
Revised 1974
Edition N/A
Copyright 1974
Levelled 1973

Powered by OS

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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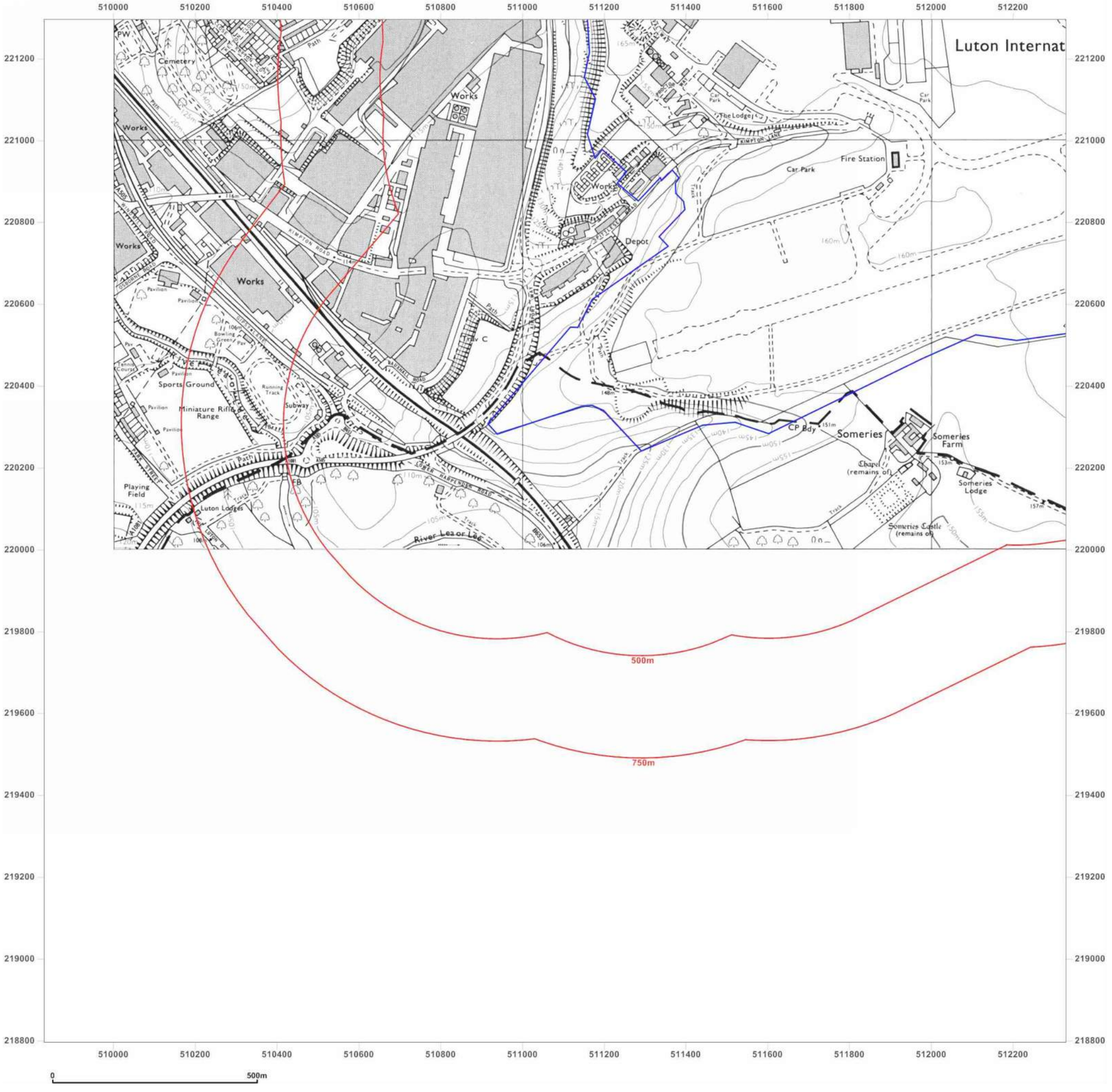


Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: National Grid

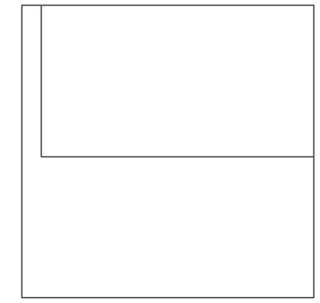
Map date: **1985**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1985
Revised 1985
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: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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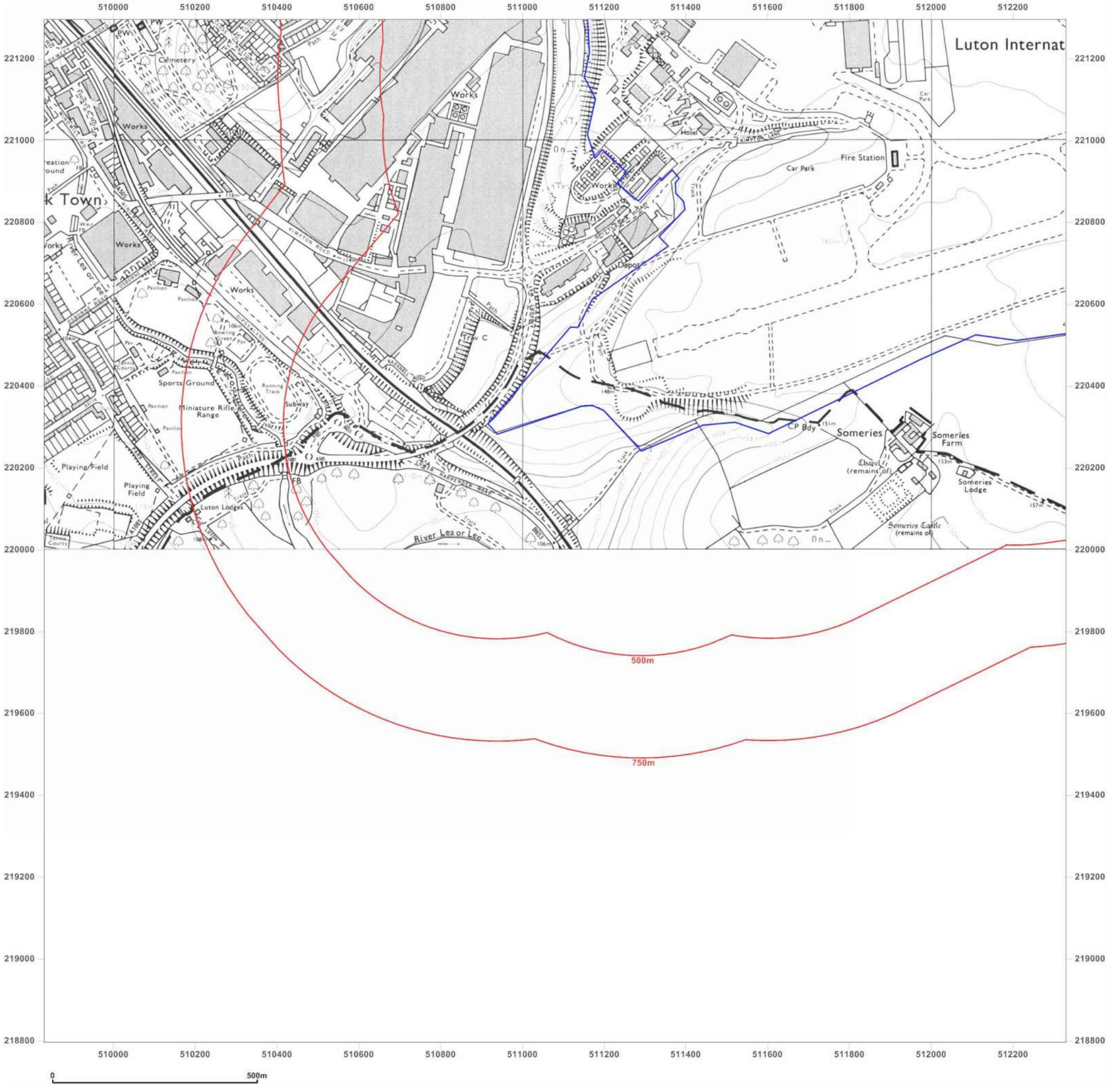

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

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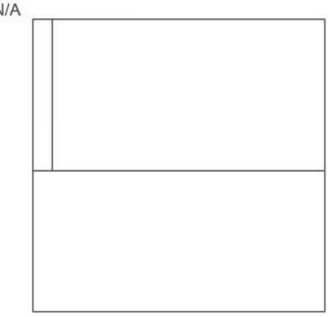
Surveyed 1989
Revised 1991
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1989
Revised 1991
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: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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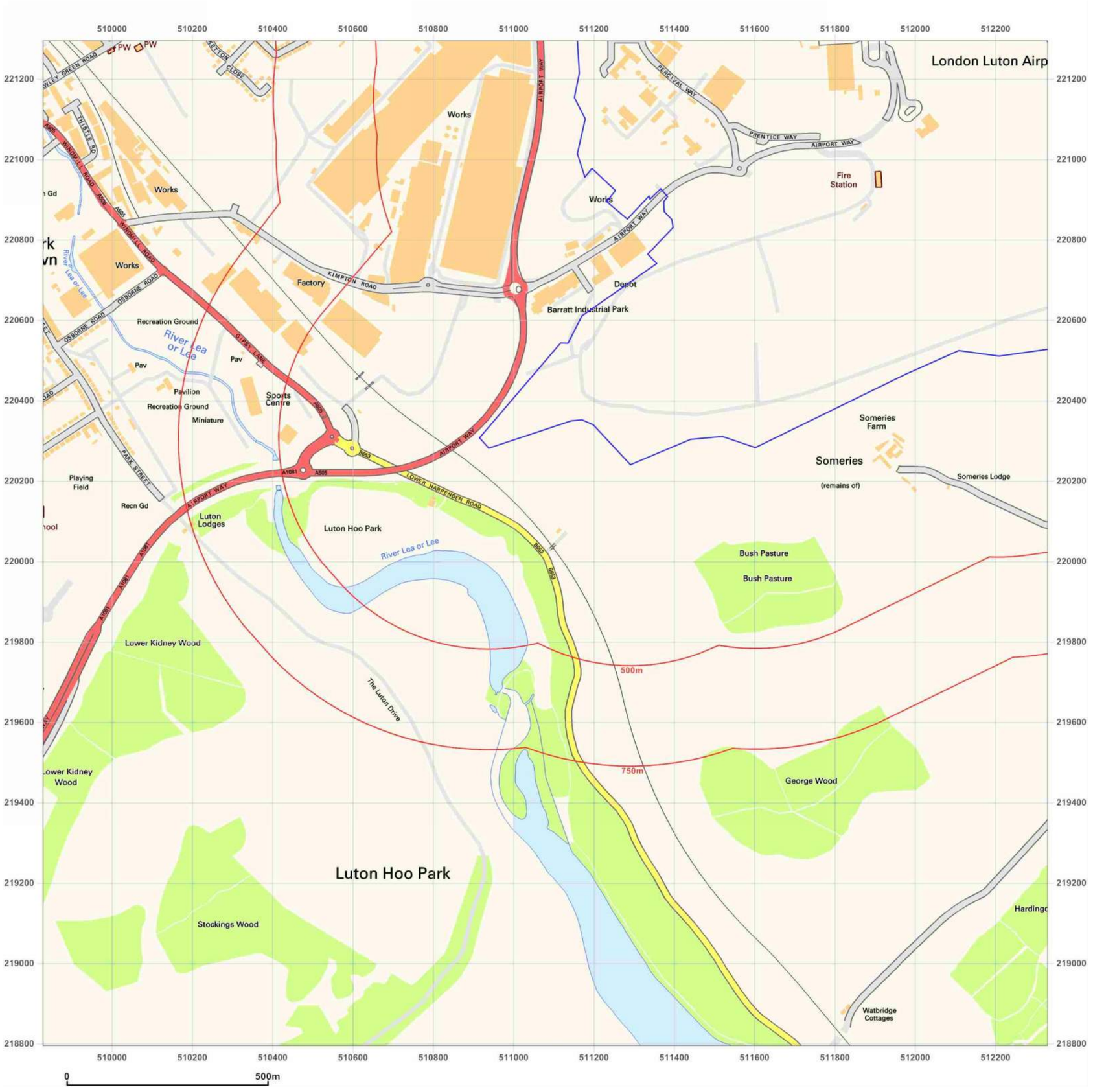

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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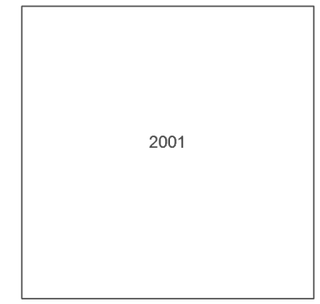

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T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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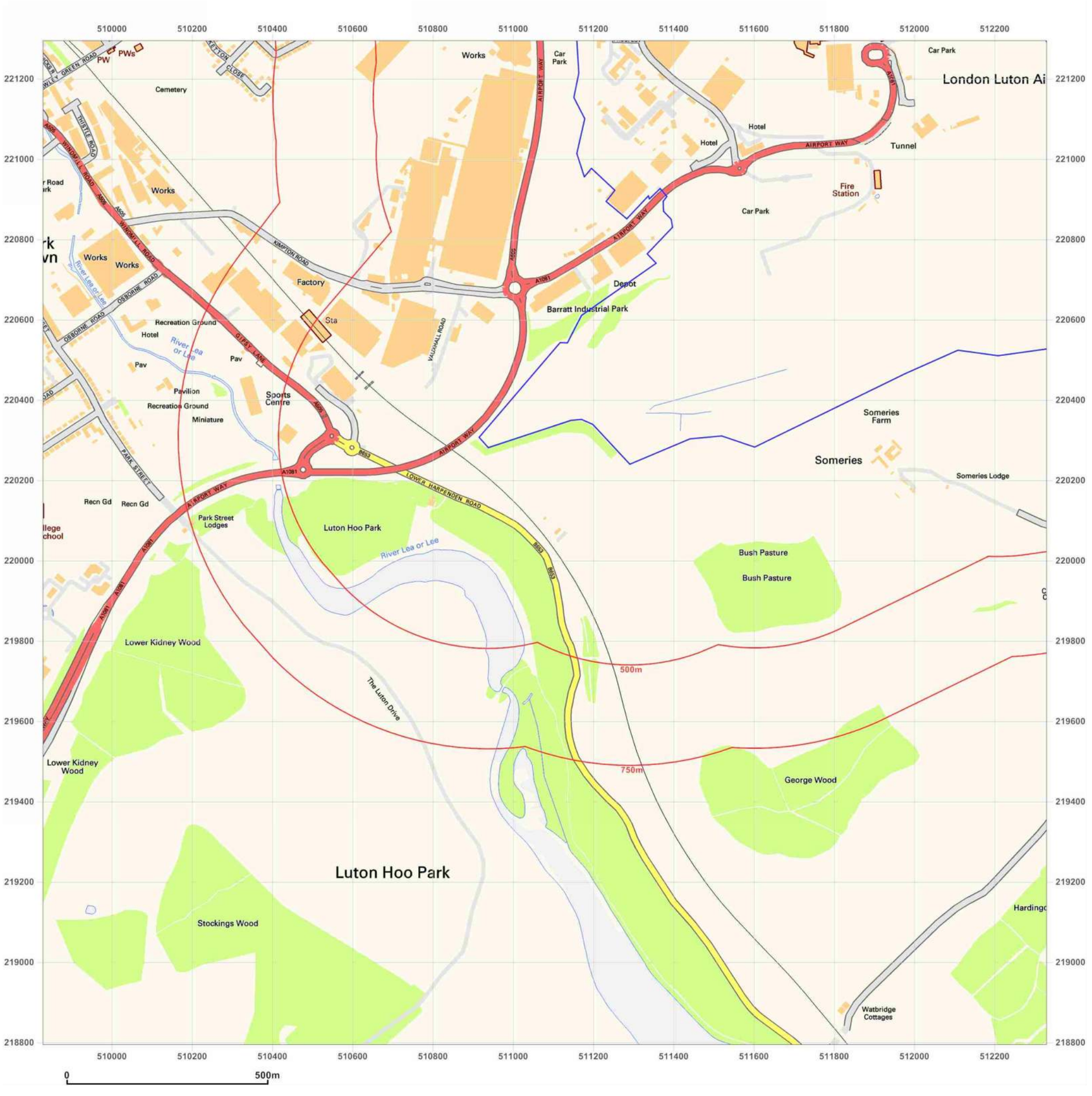

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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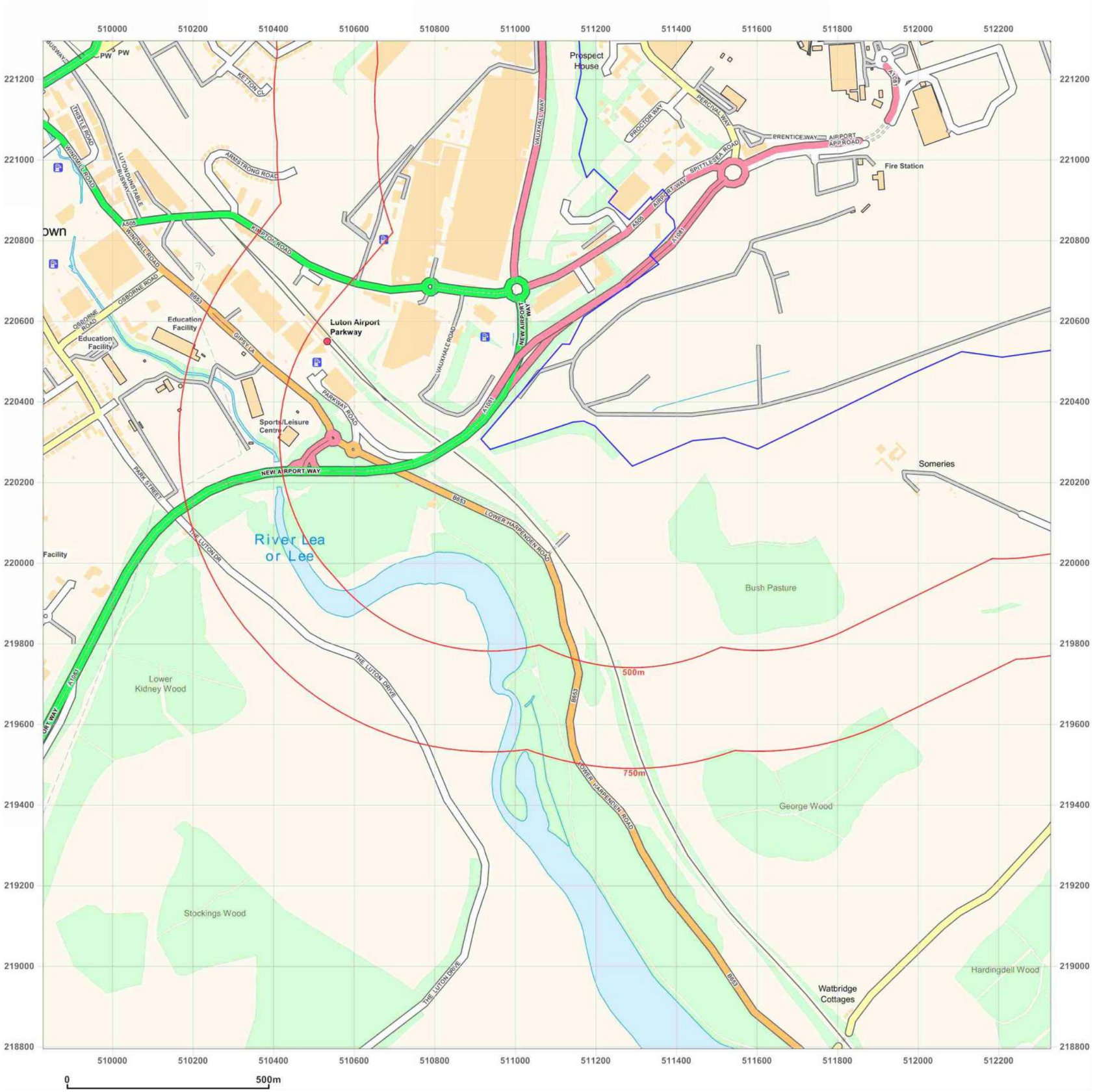

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_1
Grid Ref: 511079, 220045

Map Name: National Grid

Map date: **2020**

Scale: 1:10,000

Printed at: 1:10,000

N
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2020

Powered by OS

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
[REDACTED]

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1879-1880**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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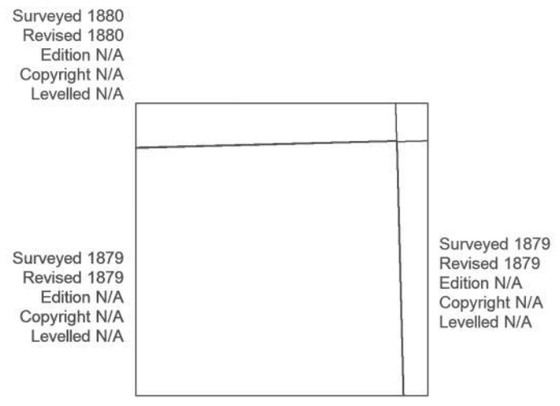

Powered by

Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: [REDACTED]

Production date: 20 November 2020

Map legend available at:
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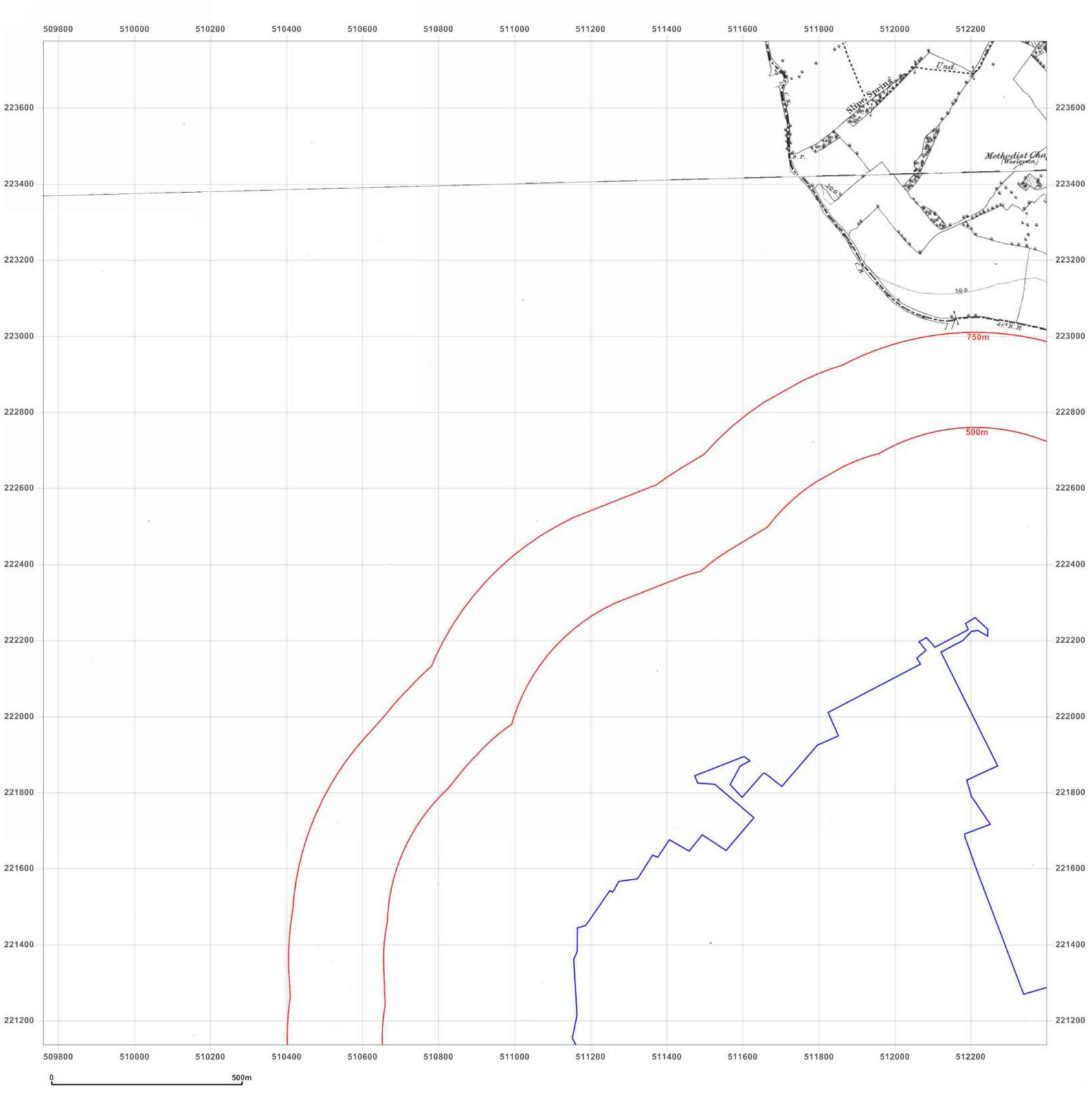

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1884**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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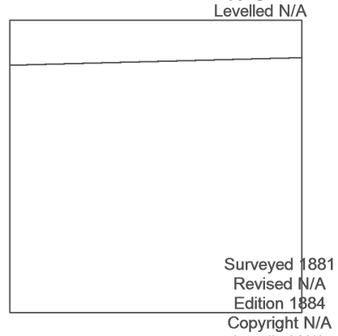
Surveyed 1880
Revised N/A
Edition 1884
Copyright N/A
Levelled N/A



Surveyed 1881
Revised N/A
Edition 1884
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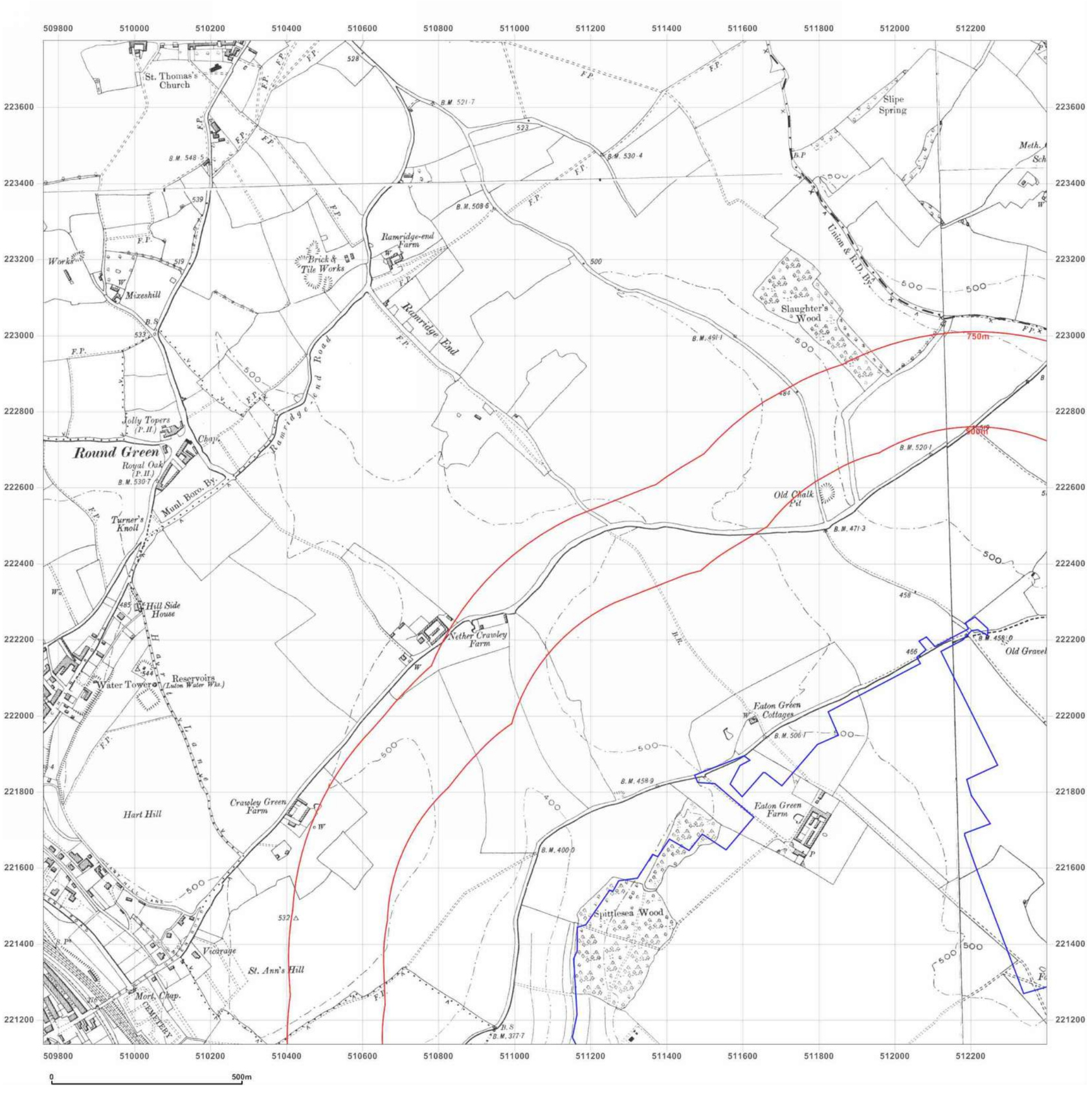

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1897-1900**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1880
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1881
Revised 1897
Edition N/A
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Levelled N/A

Surveyed 1880
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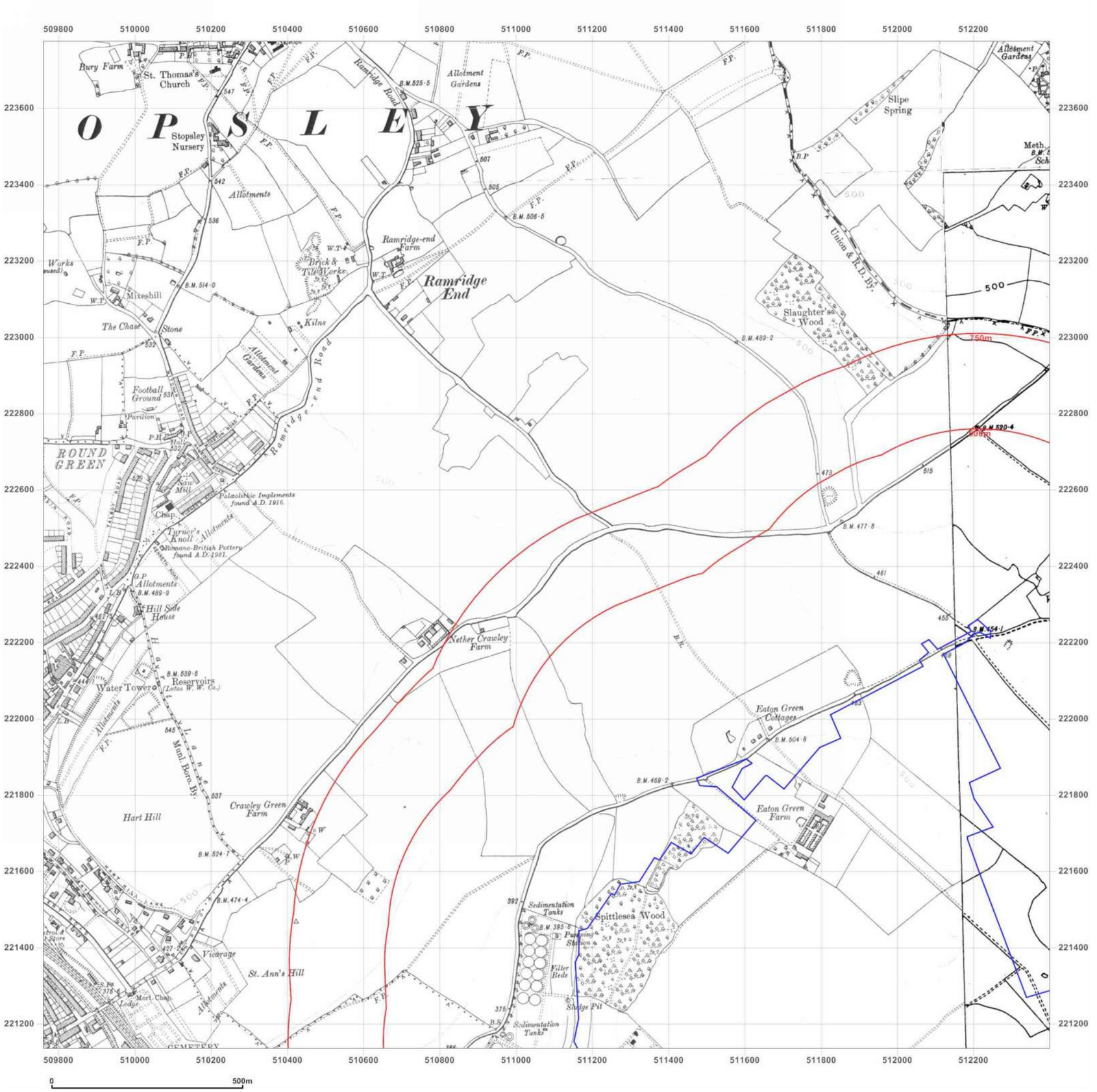

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1922-1925**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1878
Revised 1922
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1879
Revised 1922
Edition 1925
Copyright N/A
Levelled N/A

Surveyed 1879
Revised 1922
Edition N/A
Copyright N/A
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Surveyed N/A
Revised N/A
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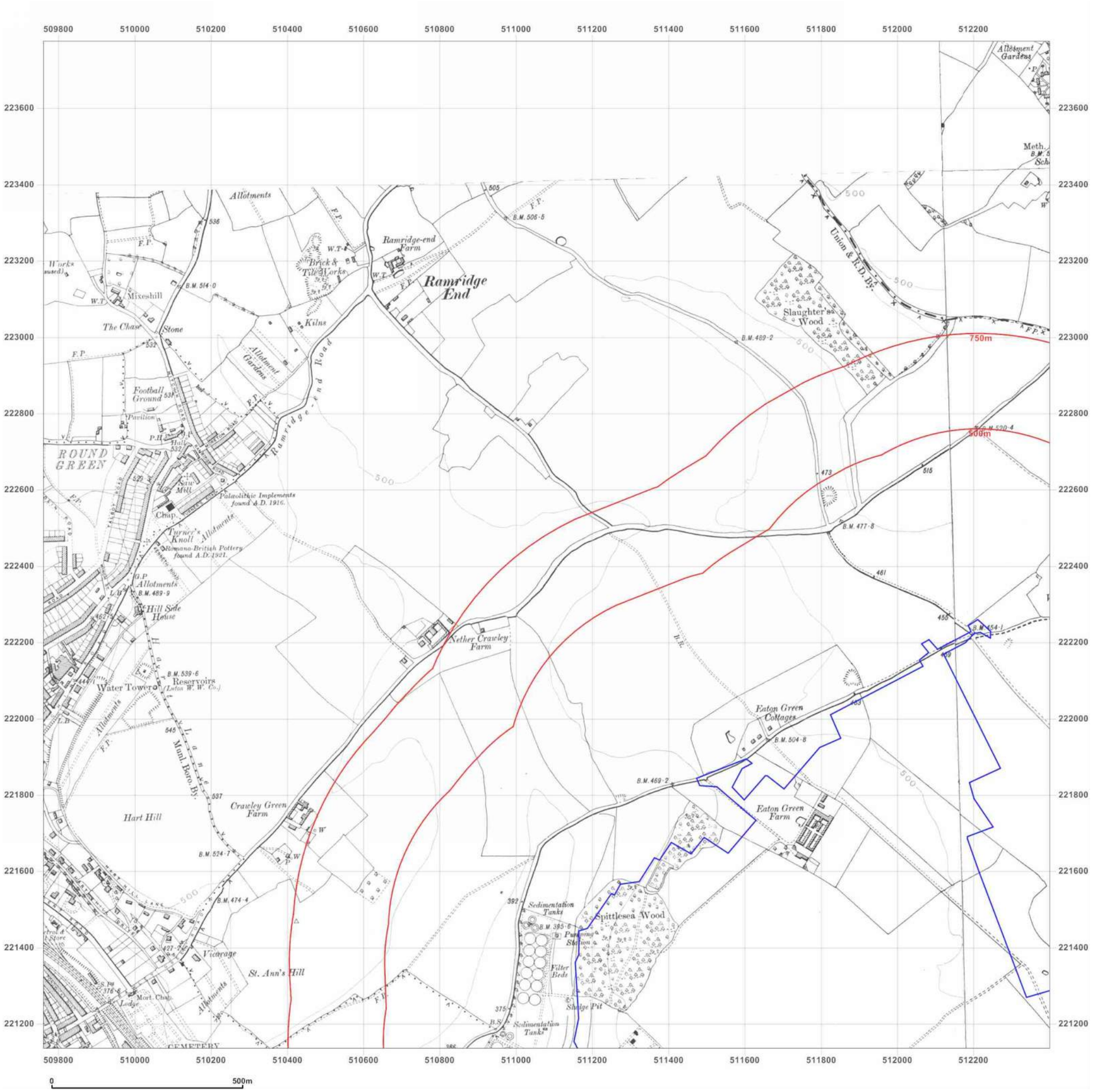

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1922-1925**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1879
Revised 1922
Edition N/A
Copyright 1925
Levelled N/A

Surveyed 1879
Revised 1922
Edition N/A
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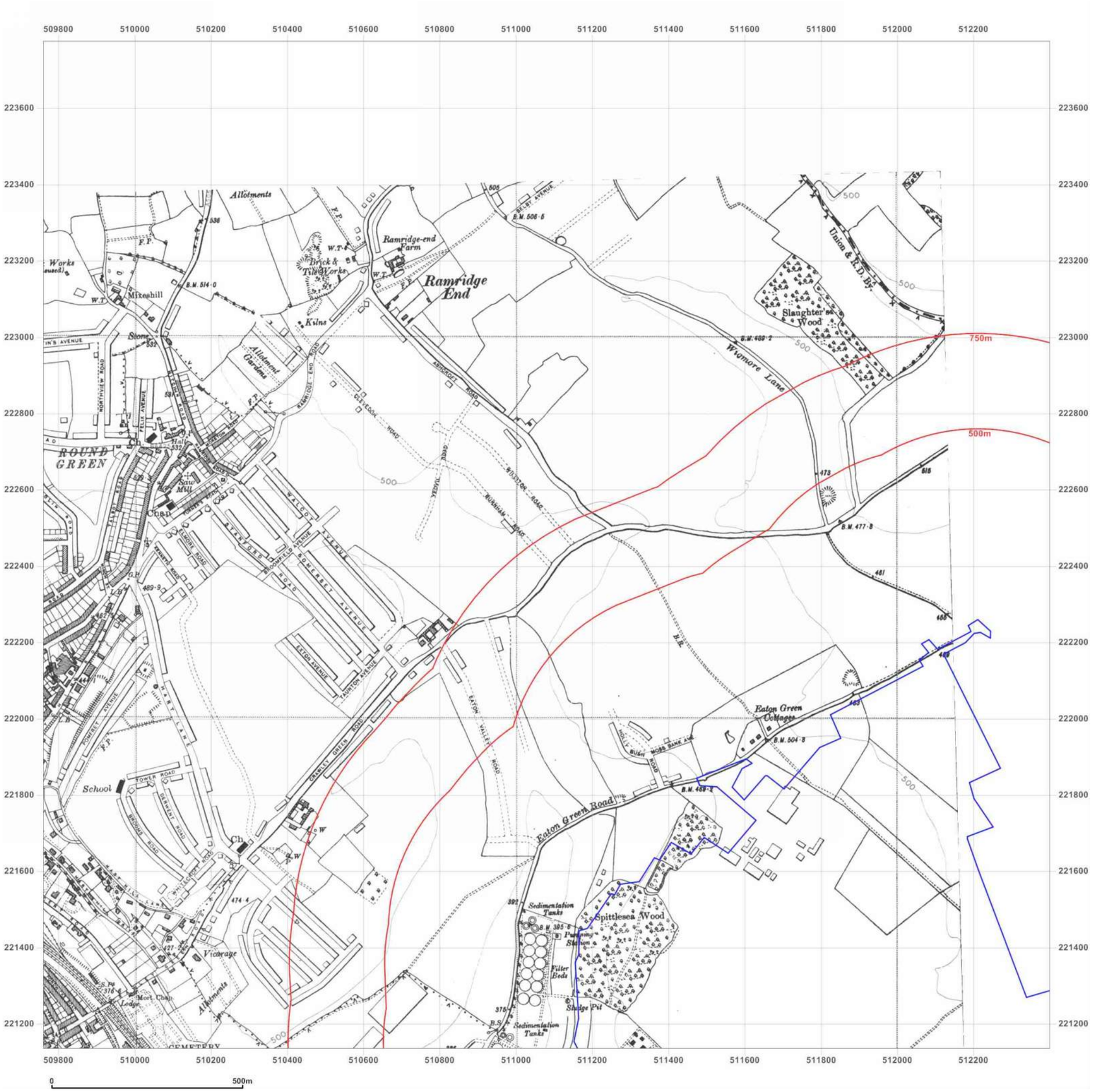

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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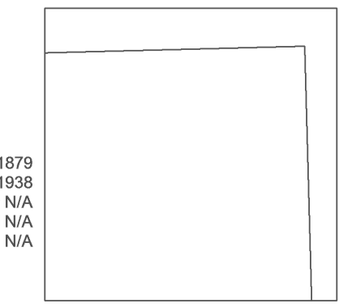

Surveyed 1879
Revised 1938
Edition N/A
Copyright N/A
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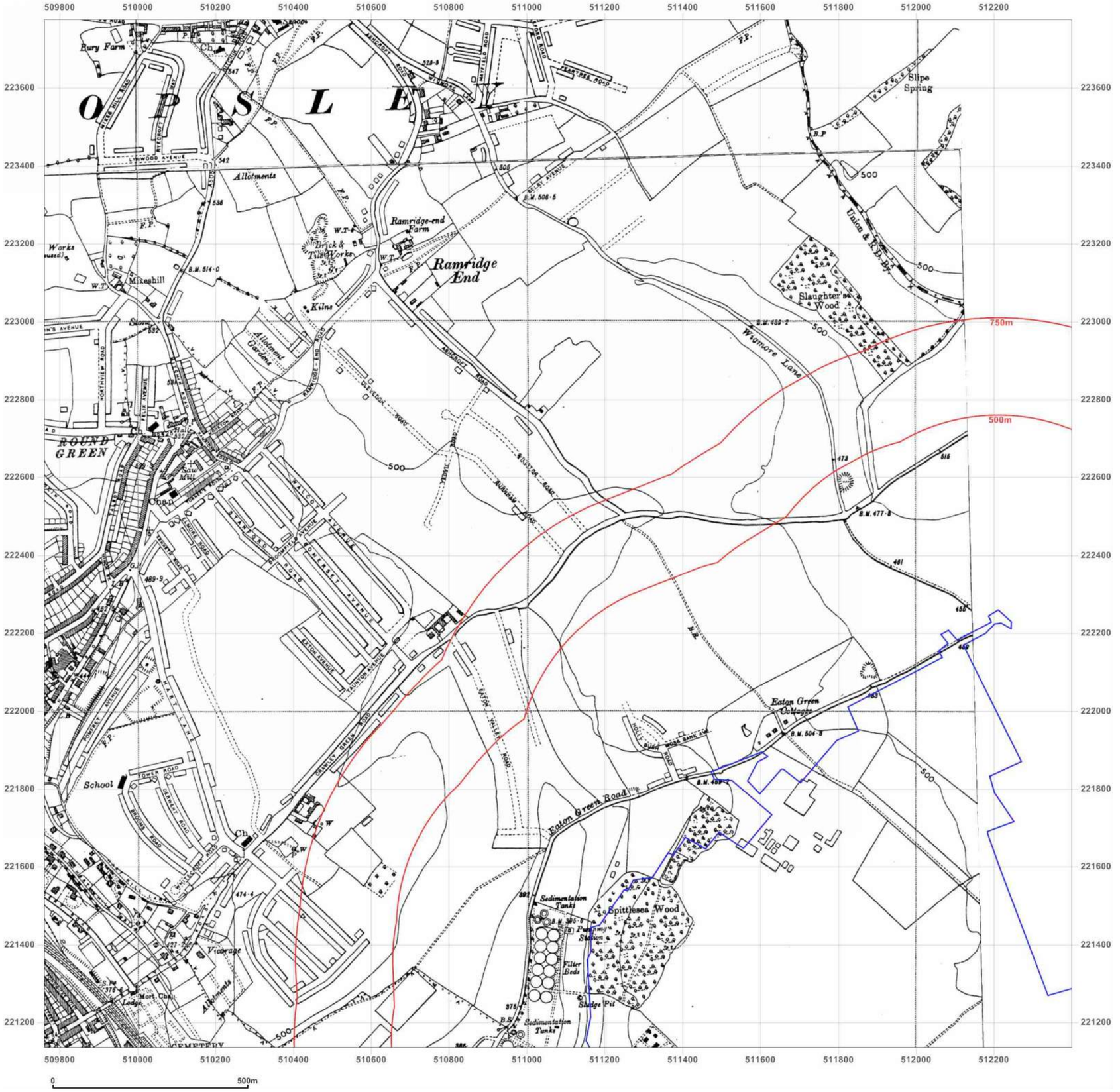

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

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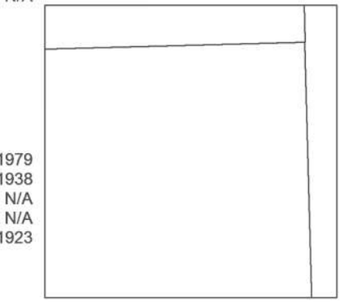
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1979
Revised 1938
Edition N/A
Copyright N/A
Levelled 1923

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Production date: 20 November 2020

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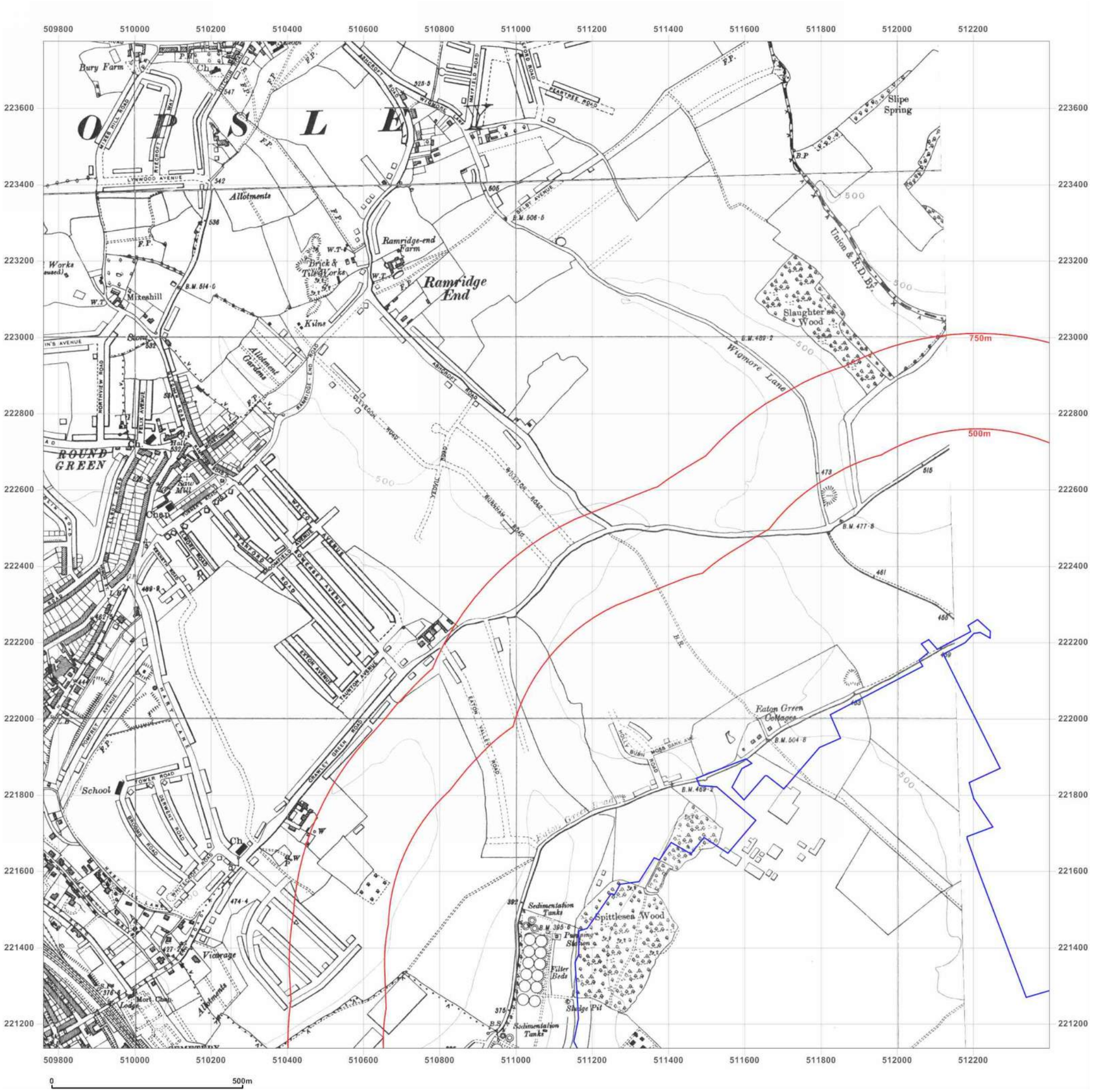

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

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

N
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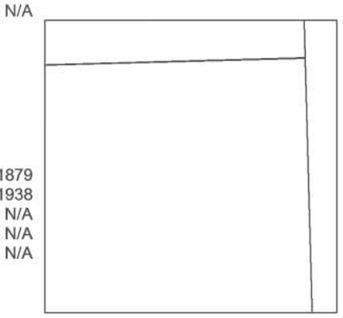
Surveyed 1878
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1879
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



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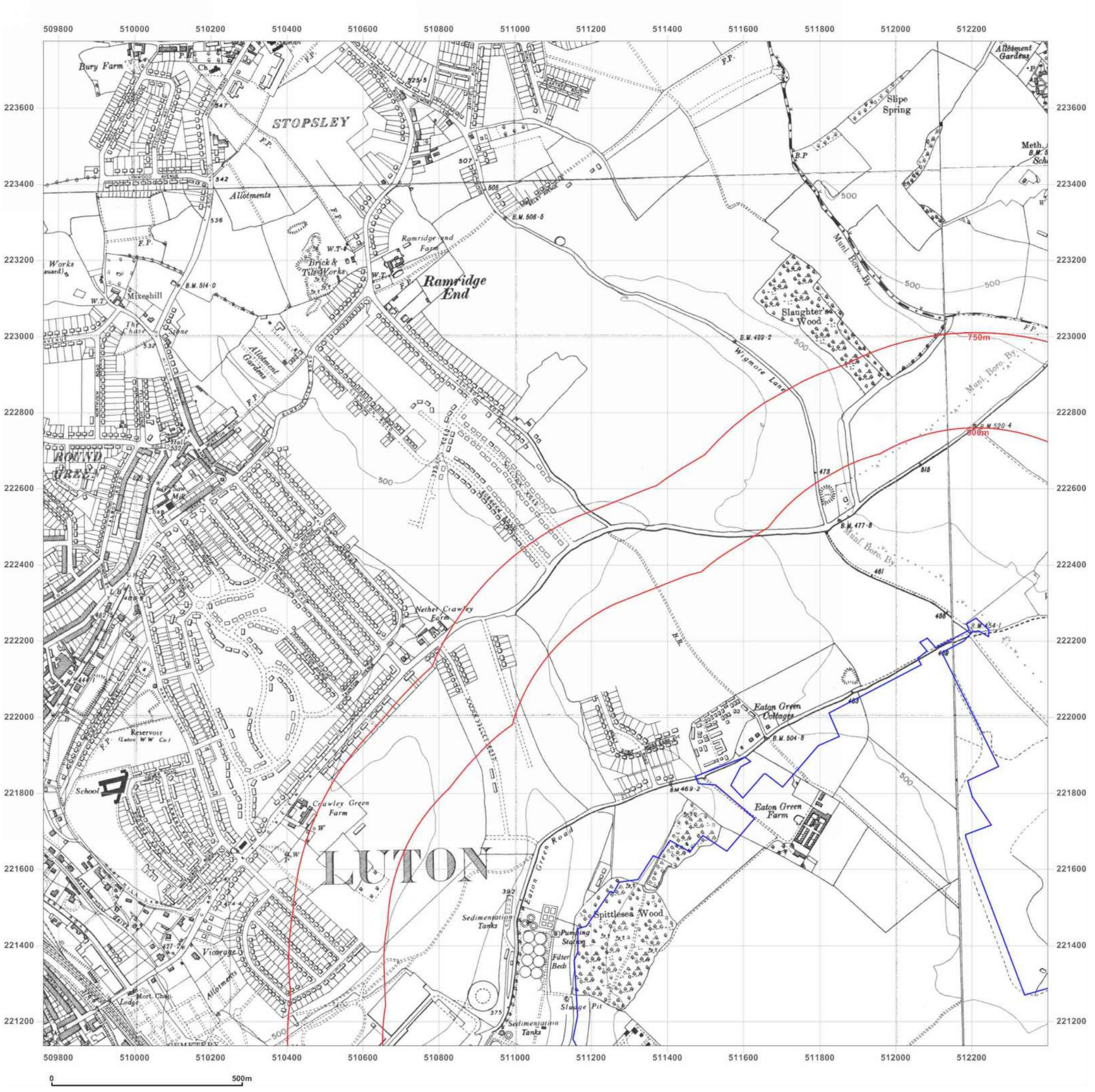

Groundsure INSIGHTS

Site Details:

Luton Airport

Client Ref: Luton Aiport Expansion
Report Ref: GSIP-2020-10588-3211_SS_1_2
Grid Ref: 511079, 222455

Map Name: County Series

Map date: **1947**

Scale: 1:10,560

Printed at: 1:10,560

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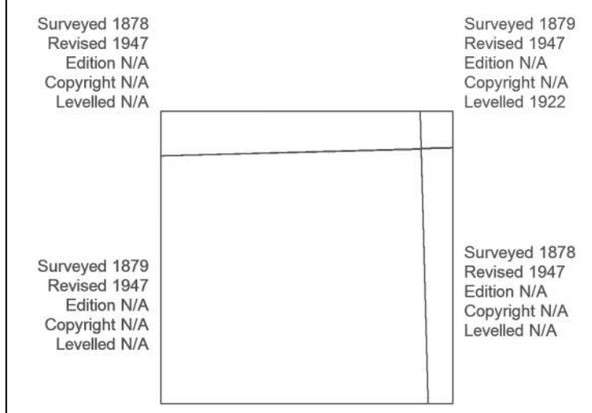

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