Appendix 9-1: Geology and Soils Baseline Information

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1 Introduction

1.1 Aims

1.1.1.1 This technical note is intended to support the geology and soils chapter (**EAR Chapter 9**), by providing a detailed baseline assessment which is derived from the Preliminary Sources Study Report (PSSR).[1]

1.2 Site location

1.2.1.1 The town of Arundel is in the county of West Sussex approximately 10 miles east of the county town of Chichester. The town is located on the floodplain of the River Arun, between the South Downs National Park to the north and the English Channel, 5 miles to the south. This Scheme proposes the replacement of the existing A27 single carriageway road, between the A284 Crossbush junction to the east and a point to the west of Arundel, with a dual carriageway bypass.

1.2.1.2 The extents of the Study Area are illustrated in **Figure 9-1**.

1.3 Sources of information and desk study

1.3.1.1 Background information on the Scheme has been obtained from the sources of information summarised in **Table 1-1.**

Table 1-1 - Sources of information

Information	Source of Information
Geography	GroundSure Report[2] and site walkover
Topography	GroundSure Report and site walkover
Geology	GroundSure Report, BGS Map 268[3] and memoir[4], BGS online viewer[5]

[1] WSP (2019). Preliminary Sources Study Report A27 Arundel Bypass – PCF Stage 2 Further Consultation (HE551523_WSP_HGT_SWI_RP-CE-0001, dated August 2019). HAGDMS Ref: 30936

[2] Groundsure (29 April 2015) Enviroinsight report, Ref. GS-2047498 (**Appendix A**)

[3] British Geological Survey. (2002). 1:50,000 Scale Geological Map for Chichester/Bognor district. Sheet 317/332, 10-20.

[4] British Geological Survey. (2002). Geological Memoir, Geology of the Chichester and Bognor district.

[5] British Geological Survey online viewer. Available at: http://mapapps.bgs.ac.uk/geologyofbritain/home.html [Accessed August 2019]

Information	Source of Information
Hydrology	GroundSure Report and MAGIC database[6]
Hydrogeology	GroundSure Report
Historical development	GroundSure Report
Land use	GroundSure Report and site walkover
Contamination	GroundSure Report and site walkover
Environment	GroundSure Report and MAGIC database

[6] DEFRA. MAGiC Mapping. Available at: https://magic.defra.gov.uk/ [accessed 7 March 2018]

2 Geology

2.1.1.1 The published geology for the Study Area is shown on British Geological Survey 1:50,000 scale Sheet 317/332 for Chichester/Bognor[2] and is summarised in **Table 2-1** below. The geology is described in the accompanying memoir[3]. The geological map shows the Study Area to be covered by a complex sequence of Quaternary superficial deposits, the London Clay Formation (Thames Group), the Lambeth Group and the White Chalk Subgroup.

Table 2-1 - Summary of the published geology (source: British Geological Survey)

<table>
<tr><th>Group</th><th colspan="2">Strata</th><th>Series/Age Million years ago (Mya)</th><th>Thickness</th></tr>
<tr><td>-</td><td colspan="2">Head Deposits - Clay</td><td rowspan="6">Quaternary/ <1.8Mya</td><td>~3m</td></tr>
<tr><td>-</td><td colspan="2">Head Deposits – Gravel</td><td>~2m</td></tr>
<tr><td>-</td><td colspan="2">Aeolian Deposits</td><td>~2m</td></tr>
<tr><td>-</td><td colspan="2">Tidal River Deposits</td><td>~31m</td></tr>
<tr><td>-</td><td colspan="2">Raised Beach Deposits</td><td>~5m</td></tr>
<tr><td>-</td><td colspan="2">Raised Storm Beach Deposits</td><td>~5m</td></tr>
<tr><td colspan="5">Unconformity (erosional hiatus)</td></tr>
<tr><td>Thames</td><td colspan="2">London Clay Formation</td><td>Eocene/ 55 – 49Mya</td><td>80 – 115m</td></tr>
<tr><td colspan="5">Disconformity (erosional/non-depositional hiatus)</td></tr>
<tr><td>Lambeth</td><td colspan="2">Reading Formation</td><td>Palaeocene/ 56-55Mya</td><td>30m</td></tr>
<tr><td colspan="5">Unconformity (erosional hiatus)</td></tr>
<tr><td rowspan="6">White Chalk Subgroup</td><td colspan="2">Portsdown Chalk Formation</td><td rowspan="6">Upper Cretaceous/ 99-65Mya</td><td>62m - 275m</td></tr>
<tr><td rowspan="2">Culver Chalk Formation</td><td>The Spetisbury Chalk Member</td><td>~30m</td></tr>
<tr><td>Tarrant Chalk Member</td><td>35m – 45m</td></tr>
<tr><td colspan="2">Newhaven Chalk Formation</td><td>45m – 75m</td></tr>
<tr><td colspan="2">Seaford Chalk Formation</td><td>50m – 80m</td></tr>
<tr><td colspan="2">Lewes Nodular Chalk Formation</td><td>35m – 60m</td></tr>
</table>

2.2 Superficial deposits

2.2.1 Head Deposits – Clay

2.2.1.1 The Head Deposits - Clay are typically composed of reddish brown to yellow brown, gravelly silty, sandy clay with diamictons, commonly with variable proportions of coarser material (chiefly broken flint nodules). Borehole records suggest deposits are generally less than 3m thick but locally could be up to 5m thick[5].

2.2.2 Head Deposits – Gravel

2.2.2.1 A broad horizon of gravel covers the northern part of the coastal plain to the west of the River Arun. The deposits are predominantly made up of coarse angular flint gravels set into a stiff matrix of sandy silty or chalky clay, although in the upper few metres of the deposit any chalk component has generally been lost through decalcification. The deposit varies in thickness across the region but is typically between 5m and 7m thick, however locally this has been documented to increase to 12m[5].

2.2.3 Aeolian Deposits

2.2.3.1 The aeolian deposits (loess) were laid down in coastal plain area and are predominantly wind-blown. They comprise a sequence of homogeneous yellow and/or orange/brown generally non-calcareous structureless silty clays. The deposits are commonly stone-less but locally contain flint fragments. In general, these deposits (commonly known as 'brickearth') are less than 2m thick[4].

2.2.4 Alluvium

2.2.4.1 Alluvial deposits comprise a broad reaching, low lying piedmont alluvial horizon of coarse clayey gravels. The deposit is typically composed of subrounded pebbles of chalk and flint that has been subjected to various degrees of decalcification and consequently little chalk exists at the surface.

2.2.5 Arun Terrace Deposits 1

2.2.5.1 These deposits are highly localised to the area of the railway cutting approaching the proposed Crossbush Junction and are made up of a sequence of clayey sands, sandy gravels and gravels. The gravel component is predominantly subangular flint with subordinate debris of chert, polished quartz grains, and larger fragments of pebbly ferruginous sandstone derived from Lower Cretaceous sequences to the north. The deposit is of the order of 4m thick and lies unconformably over the Lower Cretaceous bedrock[4].

2.2.6 Tidal River Deposits

2.2.6.1 Commonly (historically) referred to as Marine, Estuarine & Raised Beach Deposits Alluvium, these are deposits that lie above the high-water mark along the length of the River Arun. The deposits consist of soft brown and grey mottled laminated silty clays, silts, fine sands and some gravel. These deposits are commonly charged with organic debris. Historical borehole evidence suggests that up to 31m of soft alluvial sediments fill a buried valley in the vicinity of Arundel[4,5].

2.2.7 Raised Storm Beach Deposits

2.2.7.1 The deposits are made up of near shore marine sands, gravels and fine sediments and form a low ridge to the south of the current A27 alignment and other localised deposits across the Study Area. Surface exposures are generally confined to river channels as the Study Area was subsequently overlain predominantly by head gravels[4].

2.3 Bedrock geology

2.3.1 London Clay Formation

2.3.1.1 The London Clay within the Study Area is largely undivided of a very uniform blue-grey, pyritic, bioturbated silty and fine grained sandy clay with interbedded nodules of calcareous cementstone and flint pebbles. The London Clay weathers to brown. A pebble band is often found at the base of the formation, identifying the sediment from the underlying Lambeth Group.

2.3.2 Lambeth Group – Reading Formation

2.3.2.1 The Reading Formation in the Arundel area is made up of a sequence of fine to coarse fluvial deposits made up of brightly coloured sands and reddish brown, orange and grey mottled clays and silts. In the Study Area the Reading Formation is described as uniform in character with a thickness of up to 30m.

2.3.2.2 The Reading Formation unconformably overlies the White Chalk Subgroup.

2.3.3 White Chalk Subgroup

2.3.3.1 The White Chalk is a Subgroup of the Chalk Group and is generally characterised by layers of soft white chalk interbedded with numerous seams of flint and marl. The chalk Subgroup is divided into seven formations and is approximately 275m thick. The following formations are expected to be encountered in the Study Area:

Portsdown Chalk Formation

2.3.3.2 The Portsdown Chalk Formation is a soft white chalk with thin but common marl seams (particularly in the lower part) and flint bands, although less flinty than the underlying Culver Chalk Formation. The lowest part of the Formation contains several belts rich in inoceramid shell debris, as well as isolated marl seams. The formation is thought to be a minimum of 62m in thickness.

Culver Chalk Formation

2.3.3.3 The Culver Chalk Formation is a soft white chalk, relatively marl free, with flint seams. Flints are generally large and, in the upper part. This Formation is also characterised by “hardgrounds”. These are intervals of buff coloured, intensely hard chalk, generally less than a metre thick, formed by enhanced sea-floor cementation. The term 'chalkstone' is sometimes applied to these distinctive layers.

2.3.3.4 The Culver Formation is sub-divided into the following Members:

- **Tarrant Chalk Member** – Soft white chalk with relatively widely spaced but large flint seams. The unit is of the order of 35m to 45m thick in the Sussex area, however this can be considerably reduced in areas of syn-sedimentary river channel (for example The River Arun channel).
- **Spetisbury Chalk Member** - Firm white chalk with regular large flint seams. Thought to be in the order of 35m thick in the Arundel area.
- **Seaford Chalk Formation** – Firm, white Chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known to be present in the lowest beds. Some flint nodules are large to very large.
- **Lewes Chalk Formation** - Composed of hard to very hard nodular chalks and hardgrounds with interbedded soft to medium hard chalks and marls. Nodular chalks are typically lumpy and iron-stained. Fragments of rocks underlying alluvial deposits known as Brash are rough and flaggy or rubbly, and tend to be dirty. Regular seams of nodular flint.

2.3.3.5 Historically these formations and sub-formations were collectively referred to as "*The Upper Chalk Formation*".

2.4 Hydrogeology

2.4.1.1 The following classifications have been assigned to the superficial geological strata by the Environment Agency.

- **Head Deposits – Clay** – Secondary Aquifer (undifferentiated)[7]
- **Head Deposits – Gravel** – Secondary Aquifer (undifferentiated)
- **Aeolian Deposits** – Secondary Aquifer (undifferentiated)
- **Alluvium** – Secondary (A) Aquifer[8]
- **Arun Terrace Deposits 1** – Secondary (A) Aquifer
- **Tidal River Deposits** – Secondary (A) Aquifer
- **Raised Storm Beach Deposits** – Secondary (A) Aquifer.

2.4.1.2 The following classifications have been assigned to the bedrock geological strata by the Environment Agency.

- **London Clay Formation** - unproductive[9]
- **Lambeth Group – Reading Formation** – Secondary (A) Aquifer
- **White Chalk Subgroup** - Principal Aquifer[10].

2.4.2 Groundwater Vulnerability

- The underlying chalk is classified as a principal aquifer with a high vulnerability to leaching.
- The alluvial sands and gravels of the River Arun Flood Plain are classified as secondary (A) aquifers with a high vulnerability to leaching and the passage of contaminants.

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[7] **Secondary Undifferentiated** - has been assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

[8] **Secondary A** - permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

[9] **Unproductive** - These are rock layers or superficial deposits with low permeability that have negligible significance for water supply or river base flow.

[10] **Principal Aquifer** - These are layers of rock or superficial deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.

- The London Clay Formation and the Lambeth Group are both classified as unproductive strata with a low vulnerability to leaching.

2.4.3 Source Protection Zones

2.4.3.1 A Source Protection Zone 1 is located 20m outside Study Area, approximately 270m north of the existing A27 carriageway.

2.5 Mining, quarrying and natural cavities

2.5.1.1 There are no recorded sites for any of the following mineral extraction activities within 1000m of the Scheme boundaries[2]:

- Historical Mining
- Coal Mining
- Brine Extraction
- Gypsum Extraction
- Tin Mining
- Clay Pits

2.5.1.2 The Groundsure Report[2] identifies 15 historical sites where chalk extraction is documented to have occurred within the Study Area.

2.5.2 Natural cavities

2.5.2.1 Two natural cavities were identified in the Study Area[2]. These are summarised within **Table 2-2.**

Table 2-2 - Recorded natural cavities

Map ID No	National Grid Reference	Cavity ID Ref	Bedrock	Cavity Type	Onsite/ Buffer Zone	Potentially Affected Corridor
76	498300E 107000N	2843	Chalk Group	Sinkhole x 1, Solution Pipe x 1	Onsite	4/5A
77	497900E 107500N	2844	Chalk Group	Solution Pipe x 3	Buffer Zone	Not Applicable

2.6 Subsidence and instability of the natural ground

2.6.1 Shrinking/swelling clays

2.6.1.1 Areas of moderate and high shrinking/swelling clays have been identified across the Study Area and have the potential to affect all potential corridors, particularly in the west of the site[2]. **Table 2-3** summarises the portions of the Study Area where shrinking/swelling clays may affect the design of the carriageway alignment and its associated structures.

Table 2-3 - Summary of distribution of risk associated with shrinking/swelling clays

Location	Shrink/swell potential[2]
Western portion of the Scheme along the A27	Moderate
South western portion of the Scheme, south of Binsted village and Tortington Village	Low
Arun flood plains, Arundel	Negligible

2.6.2 Landslides

2.6.2.1 The Groundsure report[2] indicates that the risks associated with landslides are generally very low across the Study Area. However, moderate to high risk of landslides has been identified in the area of Crossbush junction. Large scale geomorphological features of note include:

- Known solifluction lobes in the vicinity of Crossbush Junction which was stabilised by the installation of a bored pile wall.
- Possible landslides to the north of Tortington Priory and to the west of the village of Binsted.

2.6.3 Compressible deposits

2.6.3.1 The Groundsure report[2] indicates the majority of the Study Area is identified as being at negligible risk of being affected by compressible deposits, with two areas of moderate risk adjacent to the water courses in the south west of the Study Area. In addition to this, geological borehole records indicate the presence of compressible ground within a buried river channel within the River Arun Floodplain. This comprises soft to very soft clay and loose to very loose sand deposits, up to 35m in thickness.

2.6.4 Collapsible deposits

2.6.4.1 The Groundsure report[2] indicates the perceived risk to the Study Area from collapsible deposits to be low to very low. Aeolian Deposits may be present in the eastern portion of the site. These deposits are low strength, and are therefore susceptible to collapse.

2.7 Landfill

2.7.1.1 Several landfills are present within the geology and soils Study Area. Landfills which may pose a risk to the existing design include the following:

- Landfill centred at 499587, 107298 (WD27/018, inert commercial, household waste). Potential constraint for the junction at Long Lane for Options 1V5 and 1V9. Potential constraint for the road alignment at Option 3V1.
- Landfills approximately centred at 496889, 106820 and 496618, 106852 (WD27/110, WA/10/87, inert waste), along the southern boundary of the existing A27 Arundel Road. Potential constraint for the general road alignment of Option 5BV1.
- Landfill at 496890, 106665 (Hooe Farm, WD27/223, inert commercial and household waste). Potential constraint for the general road alignment of Option 5BV1.

2.8 Review of historical mapping

2.8.1 Limitations

2.8.1.1 The Groundsure report[2] does not provide detailed historical mapping for Option 5BV1. Limited historical mapping is available online to view, and has been used in the completion of this baseline assessment, although reliance on this mapping is not provided, and the record may not be as complete as that provided within the Groundsure Report.

2.8.2 Potentially contaminative historical uses

2.8.2.1 The following features have been identified on historical mapping:

- Agricultural land
- Brick kiln
- Tortington works
- Tortington gas works
- London Brighton and south coast railway
- Tortington iron works
- Arundel corporation sewage works (subsequently redeveloped for residential use)
- Goods shed and sidings at Arundel railway station (subsequently converted to car parking).

2.9 Current land use

2.9.1.1 The land within the Study Area is predominantly agricultural, woodland and residential. The existing A27 passes east-west through the Study Area. The market town of Arundel is located around the River Arun in the northeast of the Study Area.

2.9.1.2 There is an active fuel retail site (Crossbush Service Station) situated in the far east of the Study Area, near Crossbush Junction. This first appears in mapping published in 2002. The site also contains a carwash, jet wash and vehicle park.

2.9.1.3 The Arundel railway station and the northeast-southwest orientated Arun Valley railway line are present in the east of the Study Area. The railway station is located adjacent south of the existing A27. There is a maintenance depot (Arundel Off-Track Maintenance Depot) located adjacent to the railway station. There is also a building materials supplier (Travis Perkins) and a telecommunications mast approximately 150 metres southwest of the railway station.

2.9.1.4 Fitzalan Road, located south of the River Arun at Arundel, is the address of various industrial or commercial sites including:

- A vehicle repair, testing and servicing garage (Enterprise Garage).
- An industrial and architectural blast cleaning and finishing business (Blastreat (Arundel) Ltd.), which undertakes activities such as shot blasting, metal coating, wet painting, powder coating and stove enamelling.
- Two electrical substations located on Fitzalan Road.

2.9.1.5 Adjacent to the A27/A284/Ford Road roundabout there is a historical landfill (Fagins Den Landfill). This site has been redeveloped as a residential area.

2.9.1.6 Canada Road is the site of a historical landfill (Canada Road Landfill) and Arundel and District Community Hospital. The historical landfill is now primarily residential and also contains a medical facility and a pharmacy (Lloyds Pharmacy). To the adjacent north of Canada Road there is an electrical substation (Canada Road).

2.9.1.7 Tortington Lane, located off the existing A27, is the site of a historical landfill (Tortington Common Landfill), located within the woodland.

2.9.1.8 There are a number of other historical industrial or commercial sites located off the existing A27 including a historical brick works (now a private residence), a present-day arboretum (Arundel Arboretum, a nursery and garden services centre), an old chalk pit and historical landfill (Arundel Chichester Road Landfill), and Havenwood Park retirement mobile home estate (also identified as a historical landfill in records held by the Environment Agency).

2.9.1.9 There is an electrical substation (Mill Road) adjacent to the existing A27 at the intersection with Mill Road.

2.10 Contaminated land risk assessment

2.10.1 Conceptual site model risk assessment

2.10.1.1 The potential for land contamination within the Study Area has been assessed in accordance with the principles of the Environment Agency guidance CLR11: Model Procedures for the Management of Land Contamination[11]. In accordance with current UK Government guidance, qualitative risks on land contamination are assessed using the 'Source-Pathway-Receptor' approach, where the following definitions apply:

- Source/hazard: a substance or situation which has the potential to cause harm or pollution
- Pathway: means by which a source/hazard can reach and impact upon a receptor
- Receptor: that which may be adversely affected by the presence of the source/hazard.

[11] DEFRA, *Model Procedures for the Management of Land Contamination, CLR11* (2004)

2.10.1.2 Such an approach recognises that risks relating to land contamination can only exist where all three components are present constituting a complete contaminant linkage.

2.10.1.3 The level of risk has been evaluated in accordance with the methodology set out in CIRIA C552: Contaminated Land Risk Assessment – A Guide to Good Practice[12]. This involves classification of the consequence and probability associated with each potential complete contaminant linkage and thereby the corresponding level of risk (risk category).

2.10.1.4 The framework for classifying of consequence, presented in full in CIRIA C552, is summarised in **Table 2-4**. The consequence classification does not account for the probability of occurrence (that is, the probability of realisation of the consequence). The 'severe' classification relates only to acute risks (arising from short-term exposure). The 'medium' classification relates to chronic harm (and may constitute 'significant harm' under Part 2A of the Environmental Protection Act 1990).

Table 2-4 - Qualitative risk assessment – classification of consequence[12]

Classification	Definition
Severe	Severe short-term (acute) risks to human health, likely to result in significant harm. Short-term risk of pollution of sensitive water resource. A short-term risk to a particular ecosystem, or an organism forming part of such an ecosystem.
Medium	Chronic damage to human health (significant harm). Pollution of sensitive water resources. A significant change in a particular ecosystem, or an organism forming part of such an ecosystem.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings, structures and services or to the environment.
Minor	Harm, not necessarily significant, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health. Easily repairable effects of damage to buildings, structures and services.

2.10.1.5 The framework for determining the classification of probability, presented in full in CIRIA C552, is summarised in **Table 2-5**.

[12] CIRIA (2001), *Contaminated Land Risk Assessment: A guide to good practice, C552*

Table 2-5 - Qualitative risk assessment – classification of probability[12]

Classification	Definition
High Likelihood	There is a contaminant linkage and an event that appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	It is probable that an event will occur. Whilst not inevitable, it is possible in the short term and likely over the long term.
Low Likelihood	Circumstances are possible under which an event could occur, but it is not certain that (even over a long time period) such an event would occur.
Unlikely	It is improbable that an event would occur even in the very long term.

2.10.1.6 Once the consequence and probability have been determined for a potential contaminant linkage, these have been compared using the matrix shown in **Table 2-6** to produce a risk category ranging from 'very high risk' to 'very low risk'.

Table 2-6 - Qualitative risk assessment – risk category

		Severity			
		Severe	Medium	Mild	Minor
PROBABILITY	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate or Low Risk
	Likely	High Risk	Moderate Risk	Moderate or Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate or Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate or Low Risk	Low Risk	Very Low Risk	Very Low Risk

2.10.2 Potential sources of contamination

2.10.2.1 The following are potential sources of contamination:

- Historical landfills have been identified which may affect Option 1V5, Option 1V9, Option 3V1 and Option 5BV1. These may comprise sources of ground gas, compressible ground, hydrocarbons, heavy metals, asbestos and highly organic ground.

- There are two records of petrol station sites within the Study Area. One is located at Crossbush Service Station and the second at Arundel Service Station, off the main A27. Both potentially affect Option 1V5 and Option 1V9. Crossbush Service Station potentially affects all Scheme options. In addition to petrol stations, industrial land uses within the Study Area including vehicle and industrial repairer facilities and recycling services are known to exist, particularly in the vicinity of Option 1V5 and Option 1V9.
- Arun Valley railway and Arundel railway station: Railways are potential sources of hydrocarbons, polychlorinated biphenyls, polycyclic aromatic hydrocarbons, solvents, ethylene glycol, creosote, herbicides, ferrous residues, metal fines, asbestos, ash and fill, and sulphates. The potential for the presence of asbestos on Network Rail infrastructure cannot be discounted. There is the potential for railway related contamination to affect all Scheme options.
- The existing road network: The road network is a potential source of heavy metals and hydrocarbons discharged from vehicles. Although no evidence of hydrocarbon discharge was observed during any of the site walk-over surveys, there is a chance that discharges will have impacted drainage routes. There is also a potential for discharges to have occurred from fuel retail sites. These are likely to be hydrocarbon based and may include fuels, solvents and lubricants. This may potentially affect all Options, with a greater risk of contamination for Option 1V5 and Option 1V9.
- The historical gasworks, ironworks, and sewage treatment works on Ford Road may potentially affect Option 1V5 and Option 1V9. The site of the former gasworks has a potential to contain contaminative substances including metals, cyanides, sulphur, sulphates, phenols, aromatic hydrocarbons and asbestos. The site of the former sewage treatment works is a possible source of metals, hydrocarbons, polychlorinated biphenyls and asbestos.
- The historical chalk, gravel, and clay extraction from pits in the north of the Study Area may have been infilled with Made Ground, which is a potential source of ground gas, compressible ground, hydrocarbons, heavy metals, asbestos and highly organic ground. These may potentially affect Option 1V5, Option 1V9 and Option 3V1.

2.10.3 Potential receptors

2.10.3.1 The following receptors have been identified:

- Construction workers
- Adjacent site users
- Future maintenance workers
- Development users
- Groundwater – Principal Aquifer (White Chalk), Secondary A Aquifers and Secondary (undifferentiated) Aquifer
- Watercourses – River Arun, Little Tortington Stream as well as numerous secondary rivers, tertiary rivers and drains
- Soils (agricultural and woodland)
- Proposed infrastructure.

2.10.4 Potential pathways

2.10.4.1 The following potential pathways have been identified:

- Direct and dermal contact
- Inhalation of fibres, dust and vapours
- Inhalation of ground gases
- Ingestion of contaminated material
- Surface water run-off into watercourses and drainage channels
- Infiltration and dissolution of contaminants within soil
- Migration of dissolved contaminants through the unsaturated and saturated zones
- Degradation of concrete and steel via direct contact with aggressive ground conditions.

2.10.5 Conceptual site model

Based on the identified sources, pathways and receptors, the following preliminary conceptual site model has been developed, as detailed in **Table 2-7**.

Table 2-7 – Preliminary conceptual site model

Source	Receptor	Pathway	Comment	Consequence severity	Probability	Risk
Historical landfills, Made Ground (infilled chalk pits, historical industrial uses, fuel stations)	Construction workers and future maintenance workers	Direct and dermal contact Inhalation and ingestion	Potential risks of acute effects of contact with contamination to be managed within the construction phase via a construction and environmental management plan. Landfills are present affecting Options 1V5 and 1V9 at the Long Lane junction, and Option 5BV1 in the western extent. No confined spaces are present as part of the development, so effects from ground gas are not considered further.	Mild	Low	Low
	Adjacent site users (during construction phase)	Inhalation of fibres/dust	Potential risk of inhalation of contaminants via airborne dust, if disturbed during construction phase. Likely to be mitigated by dust suppression methods detailed within a Construction and Environmental Management Plan	Mild	Low	Low
	Development users	None identified – hardstanding present.	Receptor not assessed further.	N/A	N/A	N/A
	Groundwater	Infiltration and dissolution of contaminants with subsequent migration into watercourses	No data is currently available regarding groundwater chemical quality within the Study Area. There is the potential for dissolved contaminants to be present as a consequence of identified Made Ground. Preferential contaminant pathways may be present at locations with solution features or infilled ground, including the natural cavity at NGR 498300, 107000, which may constrain Option 4/5AV2.	Medium	Low	Low - Moderate
	Surface watercourses and soils	Surface water run-off	It is considered that effective site drainage will be incorporated into the development design for all options.	Mild	Unlikely	Very low
	Proposed infrastructure	Direct contact	Landfills are present affecting Options 1V5 and 1V9 at the Long Lane junction, and Option 5BV1 in the western extent. Dependent on the content of these landfills, aggressive ground conditions may be present.	Medium	Likely	Moderate
Railway and associated land **Existing road network**	Construction workers and future maintenance workers	Direct and dermal contact Inhalation and ingestion	Potential risks of acute effects of contact with contamination to be managed within the construction phase via a construction and environmental management plan. This would include the removal of any identified gross contamination which may affect future groundworkers.	Mild	Low	Low
	Development users and adjacent site users	Inhalation and ingestion.	Potential for inhalation of airborne contaminants (air quality). This is not considered further as part of the soils and geology baseline assessment.	N/A	N/A	N/A
	Groundwater	Infiltration and dissolution of contaminants with subsequent migration into principal aquifer.	Potential for vertical migration of identified contaminants which may affect the receptors. Where dissolution features are present, these may form a preferential pathway for contaminant migration.	Medium	Unlikely	Low
	Surface watercourses and soils	Surface water run-off.	The existing drainage structures at the A27 and surrounding the railway line are unknown. It is considered that effective site drainage will be incorporated into the development design for all options.	Medium	Unlikely	Low
	Proposed infrastructure	Direct contact.	Contamination from existing transport developments may be present within soils.	Mild	Low	Low
Note: It is noted that the levels of risk identified are variable across the Study Area, and where risks have been identified as moderate, this is likely to be localised based on historical and existing land uses, and is unlikely to apply across the entirety of the Options identified. This conceptual site model should be regarded as preliminary until further assessment, including an intrusive ground investigation, is completed for the Scheme						

Appendix A of Appendix 9-1: Groundsure Report

Parsons Brinckerhoff

OXFORD HOUSE PARSONS BRINCKERHOFF LTD, OXFORD ROAD,
MANCHESTER, M1 7ED

Groundsure Reference:	GS-2047498
Your Reference:	PO86494
Report Date	29 Apr 2015
Report Delivery Method:	Email - pdf

Groundsure Enviroinsight

Address: ARUNDEL,

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviroinsight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight

Groundsure
LOCATION INTELLIGENCE

Groundsure Enviroinsight

Address: ARUNDEL,

Date: 29 Apr 2015

Reference: GS-2047498

Client: Parsons Brinckerhoff

Aerial Photograph Capture date: 13-Sep-2012
Grid Reference: 500066,106343
Site Size: 624.09ha

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: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
1.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
1.1.1 Records of historic IPC Authorisations	0	0	0	0
1.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	1	1
1.1.3 Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	1
1.1.4 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0
1.1.5 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
1.1.6 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
1.1.7 Records of Part A(2) and Part B Activities and Enforcements	1	0	1	0
1.1.8 Records of Category 3 or 4 Radioactive Substances Authorisations	6	0	0	0
1.1.9 Records of Licensed Discharge Consents	28	5	11	9
1.1.10 Records of Planning Hazardous Substance Consents and Enforcements	0	0	0	0
1.2 Records of COMAH and NIHHS sites	0	0	0	0
1.3 Environment Agency Recorded Pollution Incidents				
1.3.1 National Incidents Recording System, List 2	9	0	3	1
1.3.2 National Incidents Recording System, List 1	1	0	0	0
1.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 2: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-5000
2.1 Landfill Sites						
2.1.1 Environment Agency Registered Landfill Sites	0	0	0	0	0	Not searched
2.1.2 Environment Agency Historic Landfill Sites	6	0	0	0	2	8
2.1.3 BGS/DoE Landfill Site Survey	1	0	0	0	0	0
2.1.4 Groundsure Local Authority Landfill Sites Data	0	0	0	0	0	0
2.2 Landfill and Other Waste Sites Findings						

Section 2: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-5000
2.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
2.2.2 Environment Agency Licensed Waste Sites	0	0	0	1	0	0

Section 3: Current Land Use	On-site	0-50m	51-250	251-500
3.1 Current Industrial Sites Data	18	3	18	Not searched
3.2 Records of Petrol and Fuel Sites	0	1	1	0
3.3 Underground High Pressure Oil and Gas Pipelines	0	0	0	0

Section 4: Geology	
4.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	No
4.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
4.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 5: Hydrogeology and Hydrology	0-500m
5.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes
5.2 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
5.3 Groundwater Abstraction Licences (within 2000m of the study site)	1	0	3	1	3	20
5.4 Surface Water Abstraction Licences (within 2000m of the study site)	3	0	0	2	2	5
5.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	1	0	1	0
5.6 Source Protection Zones (within 500m of the study site)	0	0	0	3	Not searched	Not searched
5.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
5.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	12	0	2	2	Not searched	Not searched

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
5.9 Is there any Environment Agency information on river quality within 1500m of the study site?	No	No	No	No	No	No
5.10 Detailed River Network entries within 500m of the site	151	5	28	28	Not searched	Not searched
5.11 Surface water features within 250m of the study site	Yes	Yes	Yes	Not searched	Not searched	Not searched

Section 6: Flooding

6.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	Yes
6.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site?	Yes
6.3 Are there any Flood Defences within 250m of the study site?	Yes
6.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
6.5 Are there any areas used for Flood Storage within 250m of the study site?	No
6.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface
6.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

Section 7: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
7.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	1	3	1
7.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
7.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
7.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
7.5 Records of Ramsar sites	0	0	0	0	0	0
7.6 Records of Ancient Woodlands	36	5	5	8	14	33
7.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	1
7.8 Records of World Heritage Sites	0	0	0	0	0	0
7.9 Records of Environmentally Sensitive Areas	1	1	0	0	0	0
7.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
7.11 Records of National Parks	2	0	0	0	0	0
7.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
7.13 Records of Nitrate Vulnerable Zones	2	0	0	0	1	0
7.14 Records of Green Belt Data	0	0	0	0	0	0

Section 8: Natural Hazards

8.1 What is the maximum risk of natural ground subsidence?	High
8.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Moderate
8.1.2 What is the maximum Landslides hazard rating identified on the study site?	Moderate
8.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	High
8.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Moderate
8.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Low
8.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Low

Section 9: Mining

9.1 Are there any coal mining areas within 75m of the study site?	No
9.2 What is the risk of subsidence relating to shallow mining within 150m of the study site?	Low
9.3 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. 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.

2. 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.

3. 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 underground oil and gas pipelines.

4. Geology

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

5. 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.

6. Flooding

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

7. 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.

8. 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.

9. Mining

Provides information on areas of coal and shallow mining.

10. 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”.

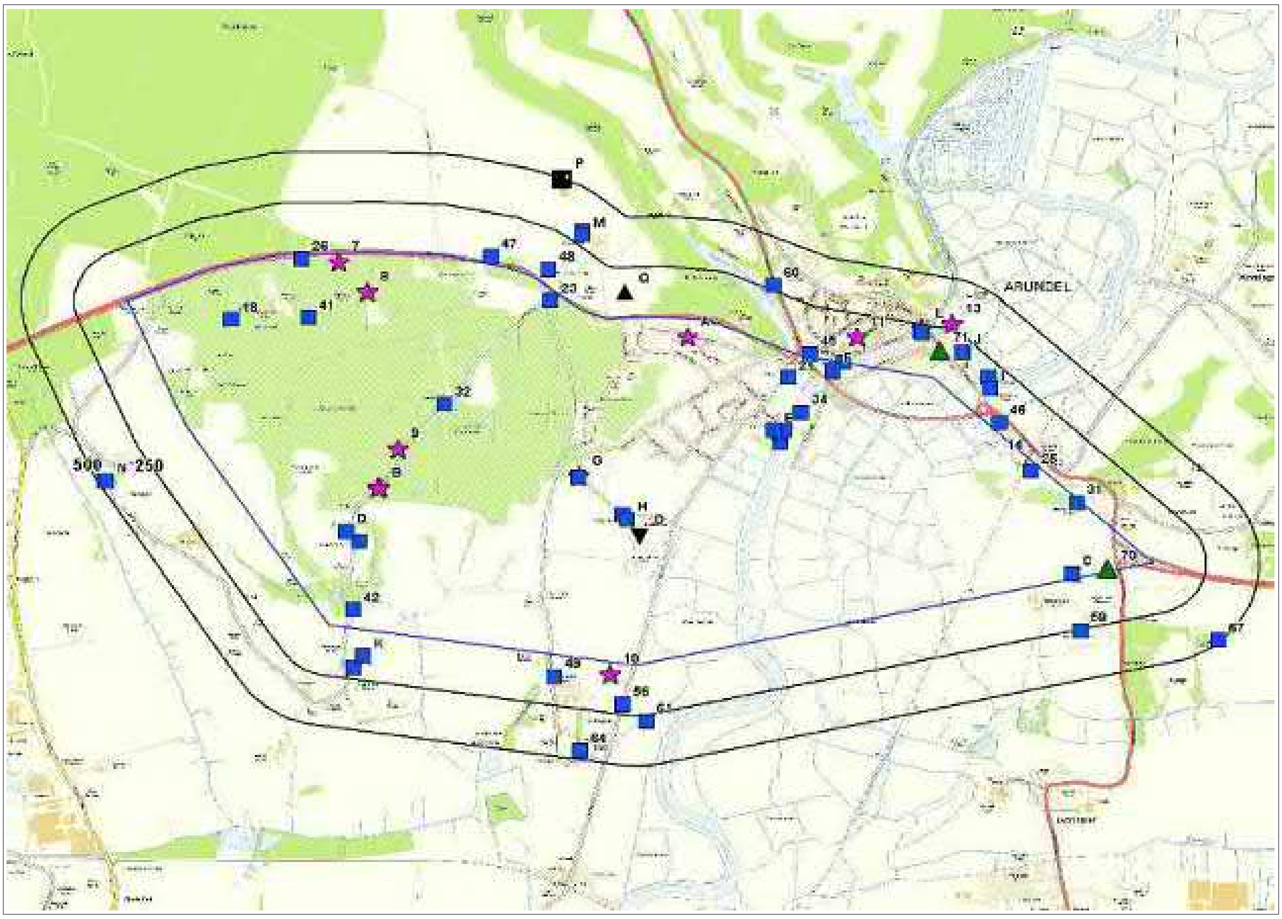
All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

Groundsure
LOCATION INTELLIGENCE

1. Environmental Permits, Incidents and Registers Map

NW N NE

W E



SW S SE

Environmental Permits, Incidents and Registers Legend

Mapping sourced from Ordnance Survey

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

Report Reference: GS-2047498
Client Reference: PO86494

Groundsure
LOCATION INTELLIGENCE

1. Environmental Permits, Incidents and Registers

1.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

2

The following Part A(1) and IPPC Authorised Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR	Details	
79Q	119.0	N	500530 107200	Operator: Henry Streeter (sand And Ballast) Ltd Installation Name: Hengrove Farm Landfill Site Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY	Permit Number: FP3735LP Original Permit Number: FP3735PM EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2008-07-02 Status: Determination
80P	498.0	N	500230 107770	Operator: Rmc Environmental Services Ltd Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BU7901 Original Permit Number: BU7901 EPR Reference: - Issue Date: 5-2-2004 Effective Date: 5-2-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas

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

1

The following Water Industry Referral records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	Address	Permission reference	Local Authority	First Date Received	Last Date Received	Status
87P	498.0	N	Biffa Waste Services Ltd, Colnbrook Lane, Sutton Lane, Colnbrook, Slough, Sl3 8ab	BY2898	Slough Borough Council	06-01-2005	01-01-2015	Dead (application)

1.1.4 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.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

2

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

ID	Distance	Direction	NGR	Details	
70	0.0	On Site	502801 105823	Address: Snax 24 Ltd, Lyminster Road, Lyminster, Littlehampton, West Sussex Process: Unloading Petrol into Storage Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
71	127.0	N	502014 106907	Address: Castle Serv Stn, Queen St, BN18 9JG Process: Petrol Vapour Recovery Process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

1.1.8 Records of Category 3 or 4 Radioactive Substances Authorisations:

6

The following RAS Licence (3 or 4) records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
81O	0.0	On Site	500600 106000	The Arundel Equine Hospital, Tortington Lane, Arundel, West Sussex, BN18 0BG	The Arundel Equine Hospital	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	CD0154	Date of Approval:10/3/2009 Effective from:10/3/2009 Last date of update:2015-01-01	Effective
82O	0.0	On Site	500600 106000	Equine Veterinary Hospital (the), Tortington Lane, Arundel, West Sussex, BN18 0BG	Equine Veterinary Hospital (the)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AC4775	Date of Approval:19/9/2003 Effective from:30/10/2003 Last date of update:2015-01-01	Revoked/cancelled
83O	0.0	On Site	500600 106000	The Arundel Equine Hospital, Tortington Lane, Arundel, West Sussex, BN18 0BG	The Arundel Equine Hospital	Disposal Of Radioactive Waste (was Rsa60 Section 6).	CD0146	Date of Approval:10/3/2009 Effective from:7/4/2009 Last date of update:2015-01-01	Effective

ID	Distance	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
84O	0.0	On Site	500600 106000	Equine Veterinary Hospital (the), Tortington Lane, Arundel, West Sussex, BN18 0BG	Equine Veterinary Hospital (the)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AC4775	Date of Approval:3/7/2000 Effective from:2/8/2000 Last date of update:2015-01-01	Superseded By Variation
85O	0.0	On Site	500600 106000	Equine Veterinary Hospital (the), Tortington Lane, Arundel, West Sussex, BN18 0BG	Equine Veterinary Hospital (the)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AC4775	Date of Approval:31/3/1991 Effective from:31/3/1991 Last date of update:2015-01-01	Superseded By Variation
86O	0.0	On Site	500600 106000	Equine Veterinary Hospital (the), Tortington Lane, Arundel, West Sussex, BN18 0BG	Equine Veterinary Hospital (the)	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AN8224	Date of Approval:2/1/2002 Effective from:2/1/2002 Last date of update:2015-01-01	Revoked/cancelled

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

53

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

ID	Distance	Direction	NGR	Details	
15 C	0.0	On Site	502630 105810	Address: A.27 Crossbush By-pass/a.284, A.27 Crossbush By-pass/a.284, Lyminster Road Interchange, Crossbush, Nr Arundel, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P03343 Permit Version: 1	Receiving Water: Freshwater Stream Or River Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 1/5/1991 Effective Date: 1/5/1991 Revocation Date: 31/5/1995
16 C	0.0	On Site	502630 105810	Address: Motorist Serv. Stn. A27 By-pass, Motorist Serv. Stn. A27 By-pass, Crossbush, Arundel Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: P03342 Permit Version: 1	Receiving Water: Freshwater River Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 8/2/1991 Effective Date: 8/2/1991 Revocation Date: 17/2/1997
17 C	0.0	On Site	502630 105810	Address: Motorist Serv. Stn. A27 By-pass, Motorist Serv. Stn. A27 By-pass, Crossbush, Arundel Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: P03342 Permit Version: 2	Receiving Water: Freshwater River Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/2/1997 Effective Date: 17/2/1997 Revocation Date: -

ID	Distance	Direction	NGR	Details	
18	0.0	On Site	498680 107070	Address: Scotland House, Scotland House, Binsted Woods, Walberton, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P06859 Permit Version: 1	Receiving Water: Freshwater River Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 20/8/1997 Effective Date: 20/8/1997 Revocation Date: -
19 E	0.0	On Site	501230 106520	Address: Tortington Iron Works, Tortington Iron Works, Arundel, West Sussex Effluent Type: Unspecified Permit Number: S01867 Permit Version: 1	Receiving Water: Saline Estuary Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: - Revocation Date: 31/3/1997
20 F	0.0	On Site	501510 106820	Address: 50 Fitzalan Rd, 50 Fitzalan Rd, Arundel, West Sussex Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: A00998 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 13/7/2001 Effective Date: 13/7/2001 Revocation Date: -
21	0.0	On Site	501300 106780	Address: Arundel Relief Rd, Arundel Relief Rd, Arundel, West Sussex Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: S02030 Permit Version: 1	Receiving Water: Saline Estuary Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: - Effective Date: - Revocation Date: 20/3/1996
22 D	0.0	On Site	499220 106018	Address: Binstead House, Binstead Lane, Binstead, Arundal, West Sussex, BN18 0LQ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: NPSWQD006736 Permit Version: 1	Receiving Water: Lower Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 18/2/2009 Effective Date: 18/2/2009 Revocation Date: -
23	0.0	On Site	500179 107163	Address: East Lodge Arundel, East Lodge, Tortington Lane, Arundel, West Sussex, BN18 0UX Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: NPSWQD000714 Permit Version: 1	Receiving Water: Trib Of The River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 11/4/2008 Effective Date: 11/4/2008 Revocation Date: -
24 D	0.0	On Site	499280 105970	Address: Binstead Manor, Binstead Manor, Binstead, Arundel, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P09743 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 13/7/2001 Effective Date: 13/7/2001 Revocation Date: -
25	0.0	On Site	502440 106320	Address: Priory Farm, Arundel, Priory Farm, Station Road, Arundel, West Sussex, BN18 9JJ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P12146 Permit Version: 1	Receiving Water: River Arun Via Online Ponds Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 16/7/2004 Effective Date: 16/7/2004 Revocation Date: -
26	0.0	On Site	499010 107370	Address: 22-26 Chichester Road, Arundel, W/s, 22-26 Chichester Road, Arundel, West Sussex, BN18 0AD Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P12735 Permit Version: 1	Receiving Water: Groundwater Via A Soakaway Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 10/8/2006 Effective Date: 10/8/2006 Revocation Date: -
27 H	0.0	On Site	500540 106080	Address: Part Of Tortington Priory, Part Of Tortington Priory, Ford Road, Arundel, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: N02888 Permit Version: 1	Receiving Water: Into Land Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 30/4/1979 Effective Date: 30/4/1979 Revocation Date: 31/3/1997

ID	Distance	Direction	NGR	Details	
28 E	0.0	On Site	501280 106520	Address: Arundel Pumping Station, Rear Of Arun Terrace, Ford Road, Arundel, West Sussex, BN18 9EG Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: D00019 Permit Version: 2	Receiving Water: Tidal Waters Of River Arun Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 7/9/1995 Effective Date: 7/9/1995 Revocation Date: -
29 E	0.0	On Site	501280 106520	Address: Arundel Pumping Station, Arundel P.s. Storm Overflow, Arundel, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Water Company Permit Number: D00019 Permit Version: 1	Receiving Water: Saline Estuary Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 1/4/1991 Effective Date: 1/4/1991 Revocation Date: 7/9/1995
30 E	0.0	On Site	501280 106520	Address: Arundel Pumping Station, Arundel P.s. Storm Overflow, Arundel, West Sussex Effluent Type: Unspecified Permit Number: D00019 Permit Version: 1	Receiving Water: Saline Estuary Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 1/4/1991 Effective Date: 1/4/1991 Revocation Date: 7/9/1995
31	0.0	On Site	502657 106163	Address: Stp @ Upper Broomhurst Farm, Crossbush Lane, Arundel, West Sussex, BN18 9PQ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: EPRPP3828XU Permit Version: 1	Receiving Water: Tributary Of The River Arun Status: New Issued Under Epr 2010 Issue date: 26/1/2012 Effective Date: 26/1/2012 Revocation Date: -
32	0.0	On Site	499680 106650	Address: Pinewoods, Pinewoods, 58 Binstead Lane, Tortington Common, Arundel, W SUSSEX Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P07293 Permit Version: 1	Receiving Water: Freshwater River Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/8/1998 Effective Date: 14/8/1998 Revocation Date: -
33 F	0.0	On Site	501510 106810	Address: Fitzalen Road Pumping Station, Fitzalen Road Pumping Station, Fitzalen Road, Arundel, Sussex, BN18 9JP Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: A00835 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 20/9/2002 Effective Date: 20/9/2002 Revocation Date: -
34	0.0	On Site	501360 106610	Address: 118 Fitzalan Rd, 118 Fitzalan Rd, Arundel, Sussex Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: A00999 Permit Version: 1	Receiving Water: Saline Estuary Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 13/7/2001 Effective Date: 13/7/2001 Revocation Date: -
35 G	0.0	On Site	500310 106290	Address: 60 & 61 Priory Farm Cottages, 60 & 61 Priory Farm Cottages, Tortington, Arundel, West Sussex, BN18 0BG Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P12464 Permit Version: 1	Receiving Water: Ditch Leading To River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 27/7/2005 Effective Date: 27/7/2005 Revocation Date: -
36 H	0.0	On Site	500520 106100	Address: Prior Farm Barn, Prior Farm Barn, Off Ford Road, Tortington, Arundel West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P02220 Permit Version: 1	Receiving Water: Into Land Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 3/4/1989 Effective Date: 3/4/1989 Revocation Date: 31/3/1997

ID	Distance	Direction	NGR	Details	
37 E	0.0	On Site	501250 106510	Address: Tortington Iron Works, Tortington Iron Works, Arundel, West Sussex Effluent Type: Unspecified Permit Number: S01867 Permit Version: 1	Receiving Water: Saline Estuary Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: - Revocation Date: 31/3/1997
38 E	0.0	On Site	501260 106460	Address: Arundel Stw Final, Arundel Sewage Disposal Works, Arundel, West Sussex, BN18 9EB Effluent Type: Sewage Discharges - Final/treated Effluent - Water Company Permit Number: W00440 Permit Version: 1	Receiving Water: Saline Estuary Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 26/5/1980 Effective Date: 26/5/1980 Revocation Date: 20/3/1996
39 E	0.0	On Site	501260 106460	Address: Arundel Pumping Station, Rear Of Arun Terrace, Ford Road, Arundel, West Sussex, BN18 9EG Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: D00019 Permit Version: 2	Receiving Water: Tidal Waters Of River Arun Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 7/9/1995 Effective Date: 7/9/1995 Revocation Date: -
40 E	0.0	On Site	501260 106460	Address: Arundel Pumping Station, Arundel P.s. Storm Overflow, Arundel, West Sussex Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: D00019 Permit Version: 1	Receiving Water: Saline Estuary Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 1/4/1991 Effective Date: 1/4/1991 Revocation Date: 7/9/1995
41	0.0	On Site	499040 107080	Address: Havenwood Park, Havenwood Park, Binstead, Arundel, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: N00145 Permit Version: 1	Receiving Water: Freshwater Stream Or River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: - Effective Date: - Revocation Date: -
42	0.0	On Site	499250 105630	Address: Meadow Lodge, Meadow Lodge, Binsted, Arundel, Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: N03320 Permit Version: 1	Receiving Water: Into Land Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 6/2/1980 Effective Date: 6/2/1980 Revocation Date: -
43 F	2.0	N	501560 106860	Address: Surrey Wharf Wastewater Ps, Surrey Wharf, Arundel, West Sussex, BN18 9DW Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: A01260 Permit Version: 1	Receiving Water: Tidal River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
44 F	2.0	N	501560 106860	Address: Surrey Wharf Wastewater Ps, Surrey Wharf, Arundel, West Sussex, BN18 9DW Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: A01260 Permit Version: 1	Receiving Water: Tidal River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
45	14.0	N	501400 106900	Address: Arundel Relief Road A27 & A284, Arundel Relief Road A27 & A284, Arundel, West Sussex Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: N01416 Permit Version: 1	Receiving Water: Saline Estuary Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 29/3/1974 Effective Date: 29/3/1974 Revocation Date: 31/3/1997
46	37.0	NE	502290 106560	Address: Arundel Relief Rd, Arundel Relief Rd, Arundel, West Sussex Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: S02030 Permit Version: 1	Receiving Water: Saline Estuary Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: - Effective Date: - Revocation Date: 20/3/1996

ID	Distance	Direction	NGR	Details	
47	38.0	N	499898 107385	Address: 18 And 20, Chichester Road, Arundel, West Sussex, BW18 0AQ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: NPSWQD002229 Permit Version: 1	Receiving Water: Dsidgwi2 Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 15/8/2008 Effective Date: 15/8/2008 Revocation Date: -
48	69.0	NE	500170 107320	Address: Arundel Resort Hotel, Arundel Resort Hotel, Chichester Road, Arundel, West Sussex, BN18 0AD Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P02260 Permit Version: 1	Receiving Water: Freshwater Stream Or River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 14/6/1989 Effective Date: 14/6/1989 Revocation Date: -
49	108.0	S	500200 105300	Address: East Of Entrance To College, East Of Entrance To College, Off Ford Road, Arundel, West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P02874 Permit Version: 1	Receiving Water: Freshwater Stream Or River Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 8/5/1990 Effective Date: 8/5/1990 Revocation Date: -
50 K	134.0	S	499300 105400	Address: Bee Bee Kennels, Bee Bee Kennels, Binstead Lane, Binstead, Near Arundel West Sussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P07059 Permit Version: 1	Receiving Water: Into Land Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/2/1998 Effective Date: 9/2/1998 Revocation Date: -
51I	137.0	NE	502250 106730	Address: Swimming Pool, Swimming Pool, Portreves Acres, Station Road, Arundel, West Sussex Effluent Type: Miscellaneous Discharges - Swimming Pool Water Permit Number: S02145 Permit Version: 1	Receiving Water: Saline Estuary Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 26/1/1973 Effective Date: 26/1/1973 Revocation Date: 28/2/1997
52I	168.0	NE	502240 106780	Address: Portreves Acre, Portreves Acre, Arundel Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: S02703 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 23/3/1983 Effective Date: 23/3/1983 Revocation Date: -
53J	185.0	NE	502120 106910	Address: Fitzalan Swimming Pool, Fitzalan Swimming Pool, Queen Street, Arundel, West Sussex Effluent Type: Miscellaneous Discharges - Swimming Pool Water Permit Number: N01421 Permit Version: 2	Receiving Water: Freshwater River Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/7/1996 Effective Date: 17/7/1996 Revocation Date: -
54J	185.0	NE	502120 106910	Address: Fitzalan Swimming Pool, Fitzalan Swimming Pool, Queen Street, Arundel, West Sussex Effluent Type: Miscellaneous Discharges - Swimming Pool Water Permit Number: N01421 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 29/3/1974 Effective Date: 29/3/1974 Revocation Date: 17/7/1996
55 K	200.0	S	499250 105340	Address: Slate Barn, Slate Barn, Binsted Lane, Binsted, Nr Arundel, West Sussex, BN18 0LQ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P05199 Permit Version: 1	Receiving Water: Into Land Status: Post Nra Legislation Where Issue Date > 31-aug-89 (historic Only) Issue date: 23/2/1994 Effective Date: 23/2/1994 Revocation Date: -

ID	Distance	Direction	NGR	Details	
56	202.0	S	500520 105160	Address: East Side Of Ford Road, East Side Of Ford Road, New England College, Tortington Park, Arundel, West Sussex Effluent Type: Sewage Discharges - Unspecified - Not Water Company Permit Number: P02069 Permit Version: 1	Receiving Water: Saline Estuary Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 16/2/1989 Effective Date: 16/2/1989 Revocation Date: 28/2/1997
57 L	204.0	N	501930 107000	Address: Town Quay Pumping Station, Town Quay Pumping Station, High Street, Arundel, Sussex, BN16 9AD Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: A00833 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 20/9/2002 Effective Date: 20/9/2002 Revocation Date: -
58 L	212.0	N	501920 107010	Address: Cso At Town Quay Ps Arundel, Town Quay Ps, High Street, Arundel, West Sussex Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: A00860 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: - Effective Date: - Revocation Date: -
59	258.0	S	502676 105529	Address: Broomhurst Barn, Broomhurst Barn, Lyminster Road, Lyminster, Little Hampton, BN17 7QQ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: NPSWQD004536 Permit Version: 1	Receiving Water: River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 21/1/2009 Effective Date: 21/1/2009 Revocation Date: -
60	275.0	N	501230 107240	Address: Chalk Spring Fisheries, Chalk Spring Fisheries, Park Bottom, Arundel, West Sussex Effluent Type: Agriculture - Fish Farming - Not Water Company Permit Number: P06714 Permit Version: 1	Receiving Water: Unnamed Trib Of River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 8/7/1997 Effective Date: 8/7/1997 Revocation Date: -
61	283.0	S	500633 105077	Address: The Lodge, Tortington, Arundel, The Lodge, Tortington Manor, Tortington, Arundel, West Sussex, BN18 0FA Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P12455 Permit Version: 1	Receiving Water: River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 8/7/2005 Effective Date: 8/7/2005 Revocation Date: -
62 M	301.0	NE	500330 107490	Address: Park Farm, Park Farm, Chichester Rd, Arundel, Westsussex Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P09683 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 8/3/2001 Effective Date: 8/3/2001 Revocation Date: -
63 M	317.0	NE	500330 107510	Address: Park Farm, Park Farm, Arundel, West Sussex Effluent Type: Trade Discharges - Process Effluent - Not Water Company Permit Number: N02114 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 19/3/1974 Effective Date: 19/3/1974 Revocation Date: -
64	457.0	S	500320 104930	Address: S.t.w. Church Cottage, S.t.w. Church Cottage, Manor Farm, Tortington Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: N02724 Permit Version: 1	Receiving Water: Freshwater River Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 30/1/1985 Effective Date: 30/1/1985 Revocation Date: 31/3/1997
65 N	467.0	SW	498090 106270	Address: Church Farm, Church Farm, Binsted, Arundel, West Sussex Effluent Type: Trade Discharges - Process Effluent - Not Water Company Permit Number: P11076 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 2/1/1985 Effective Date: 2/1/1985 Revocation Date: 20/3/1996

ID	Distance	Direction	NGR	Details	
66 N	476.0	SW	498080 106270	Address: Church Farm, Church Farm, Binstead, West Sussex Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: S01123 Permit Version: 1	Receiving Water: Freshwater River Status: Pre Nra Legislation Where Issue Date < 01-sep-89 (historic Only) Issue date: 28/9/1962 Effective Date: 28/9/1962 Revocation Date: 11/5/1995
67	490.0	SE	503320 105480	Address: Calceto Farm, Lyminster, Calceto Farm, Lyminster Road, Lyminster, West Sussex, BN18 9PT Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: P12028 Permit Version: 1	Receiving Water: Drainage Ditch To River Arun Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 6/2/2004 Effective Date: 6/2/2004 Revocation Date: -

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

0

Database searched and no data found.

1.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site: 0

Database searched and no data found.

1.3 Environment Agency Recorded Pollution Incidents

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

13

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

ID	Distance	Direction	NGR	Details	
1A	0.0	On Site	500822 106987	Incident Date: 16/06/2001 Incident Identification: 9602 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2A	0.0	On Site	500822 106987	Incident Date: 16/06/2001 Incident Identification: 9602 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3B	0.0	On Site	499370 106233	Incident Date: 13/09/2002 Incident Identification: 107687 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Distance	Direction	NGR	Details	
4B	0.0	On Site	499370 106240	Incident Date: 13/09/2002 Incident Identification: 107689 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
5G	0.0	On Site	500311 106296	Incident Date: 17/01/2003 Incident Identification: 131696 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
6B	0.0	On Site	499374 106239	Incident Date: 11/09/2002 Incident Identification: 107154 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
7	0.0	On Site	499180 107360	Incident Date: 22/04/2003 Incident Identification: 152942 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
8	0.0	On Site	499319 107207	Incident Date: 02/05/2003 Incident Identification: 155608 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)
9	0.0	On Site	499460 106430	Incident Date: 21/08/2002 Incident Identification: 102019 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
10	62.0	S	500460 105310	Incident Date: 17/07/2001 Incident Identification: 16885 Pollutant: Sewage Materials Pollutant Description: Sludge	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
11	138.0	N	501622 106987	Incident Date: 10/10/2001 Incident Identification: 35733 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12L	231.0	N	501923 107029	Incident Date: 16/06/2001 Incident Identification: 9623 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
13	279.0	N	502066 107050	Incident Date: 22/08/2003 Incident Identification: 184421 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

1

The following NIRS List 1 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR	Details	
14	0.0	On Site		Incident Date: 03-Jul-1999 Incident Identification: 6233.0 Catchments Name: GUC Water Description: RIVER STRETCH (FRESHWATER) Water Course: HERTFORD UNION Incident Substantiated: N/A	Priority Description: Immediate (2 Hours) Waste Description: Not Available Water Impact: Major (Persistent, Extensive) Impact Land Impact: No Impact Air Impact: No Impact Pollutant:

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

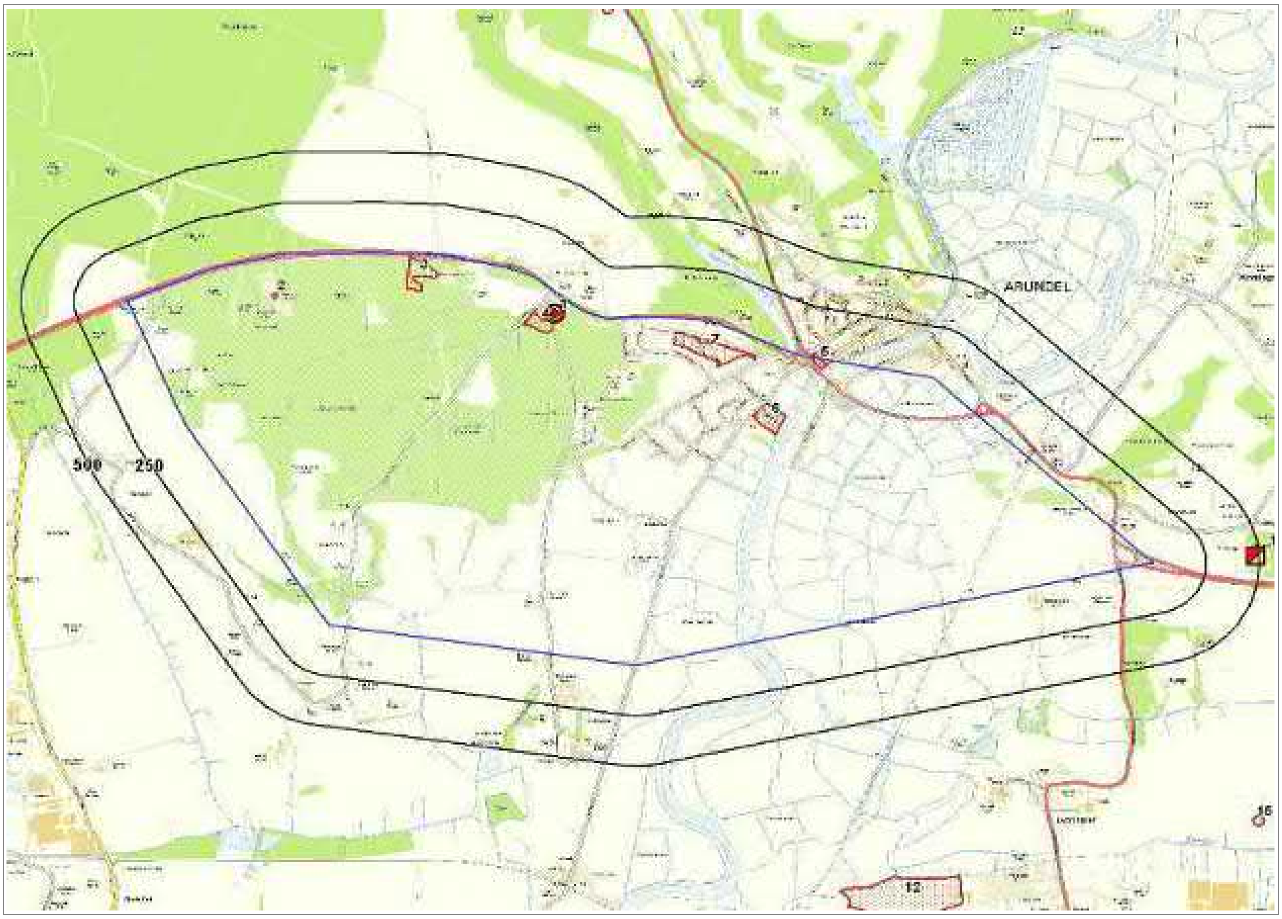
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site? 0

Database searched and no data found.

2. Landfill and Other Waste Sites Map

NW N NE

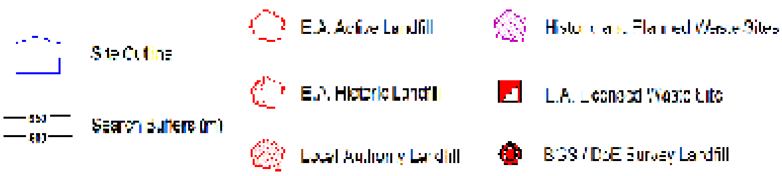
W E



SW S SE

Landfill and Other Waste Sites Legend

Mapping sourced from Ordnance Survey



Report Reference: GS-2047498
Client Reference: PO86494

2. Landfill and Other Waste Sites

2.1 Landfill Sites

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

0

Database searched and no data found.

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

16

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	
2	0.0	On Site	498800 107100	Site Address: Havenwood Caravan Park, Tortington, Sussex Waste Licence: Yes Site Reference: WD27/217, WD27/018, WD13/5/14 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -
3	0.0	On Site	499500 107200	Site Address: Arundale, Chichester Road, Tortington, Sussex Waste Licence: Yes Site Reference: WD27/018 Waste Type: Inert Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -
4	0.0	On Site	500100 107000	Site Address: Tortington Common Landfill, Tortington, Sussex Waste Licence: Yes Site Reference: 5-041, WD27/218 Waste Type: Inert Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: Arundel Borough Council
5	0.0	On Site	501400 106800	Site Address: Fagins Den, Arundel, Sussex Waste Licence: Yes Site Reference: WD27/085 Waste Type: Inert Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -

ID	Distance (m)	Direction	NGR	Details	
6	0.0	On Site	501200 106500	Site Address: Penfold Works, Ford Road, Arundel, Sussex Waste Licence: Yes Site Reference: WD27/075 Waste Type: Inert Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -
7	0.0	On Site	500900 106900	Site Address: Canada Road, Arundel, Sussex Waste Licence: Yes Site Reference: WD27/017, 1-328 Waste Type: Inert Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	832.0	W	497200 107100	Site Address: Slindon, Slindon, Sussex Waste Licence: Yes Site Reference: 7-058, WD27/191, WD13/34 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 10-Sep-1985 Licence Surrendered: 05-Sep-1987 Licence Hold Address: - Operator: -
Not shown	877.0	W	497100 107300	Site Address: Mill Farm, Mill Road, Slindon, Sussex Waste Licence: Yes Site Reference: WD27/190 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1080.0	E	504300 105700	Site Address: Westlands Copse Landfill Site, Poling, Arundel, Sussex Waste Licence: Yes Site Reference: WD27/260, WD13/163 Waste Type: Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 17-Jun-1992 Licence Surrendered: 31-Mar-1993 Licence Hold Address: - Operator: -
Not shown	1188.0	W	496800 106800	Site Address: Days, Fontwell, Sussex Waste Licence: Yes Site Reference: WD27/110, WA/10/87 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 27-Apr-1988 Licence Surrendered: 30-Sep-1988 Licence Hold Address: - Operator: -
12	1276.0	S	501800 104200	Site Address: Old Mead Road Tip, Littlehampton, Sussex Waste Licence: Yes Site Reference: 27-329, WD27/151, WD13/12, WD13/79 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge, Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 13-Jun-1977 Licence Surrendered: 13-Oct-1984 Licence Hold Address: - Operator: -
13	1343.0	N	500400 108600	Site Address: Cricket Hill Farm, Arundel, Sussex Waste Licence: - Site Reference: WD27/301 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1343.0	W	496700 107200	Site Address: Woodlands Farm, Slindon, Sussex Waste Licence: - Site Reference: WD27/192 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -

ID	Distance (m)	Direction	NGR	Details	
15	1347.0	S	503500 104500	Site Address: Fargro, Toddington Lane, Littlehampton Waste Licence: Yes Site Reference: WD27/255, WD13/5/36 Waste Type: Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 11-Apr-1980 Licence Surrendered: 17-Nov-1980 Licence Hold Address: - Operator: -
Not shown	1402.0	W	496800 106700	Site Address: Hooe Farm, Tye Lane, Walberton, Sussex Waste Licence: Yes Site Reference: WD27/223 Waste Type: Inert Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1470.0	S	500000 103900	Site Address: Newhouse Farm, Ford, Sussex Waste Licence: Yes Site Reference: WD27/115, WD13/14 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 18-Aug-1985 Licence Surrendered: 30-Sep-1986 Licence Hold Address: - Operator: -

2.1.3 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	0.0	On Site	500200.0 107100.0	Address: Sheppeys Lane, Tartinton, Arundel, W Sussex BGS Number: 2562.0	Risk: No risk to aquifer Waste Type: N/A

2.1.4 Records of Local Authority landfill sites within 1500m of the study site:

0

Database searched and no data found.

2.2 Other Waste Sites

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

0

Database searched and no data found.

2.2.2 Records of Environment Agency licensed waste sites within 1500m 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:

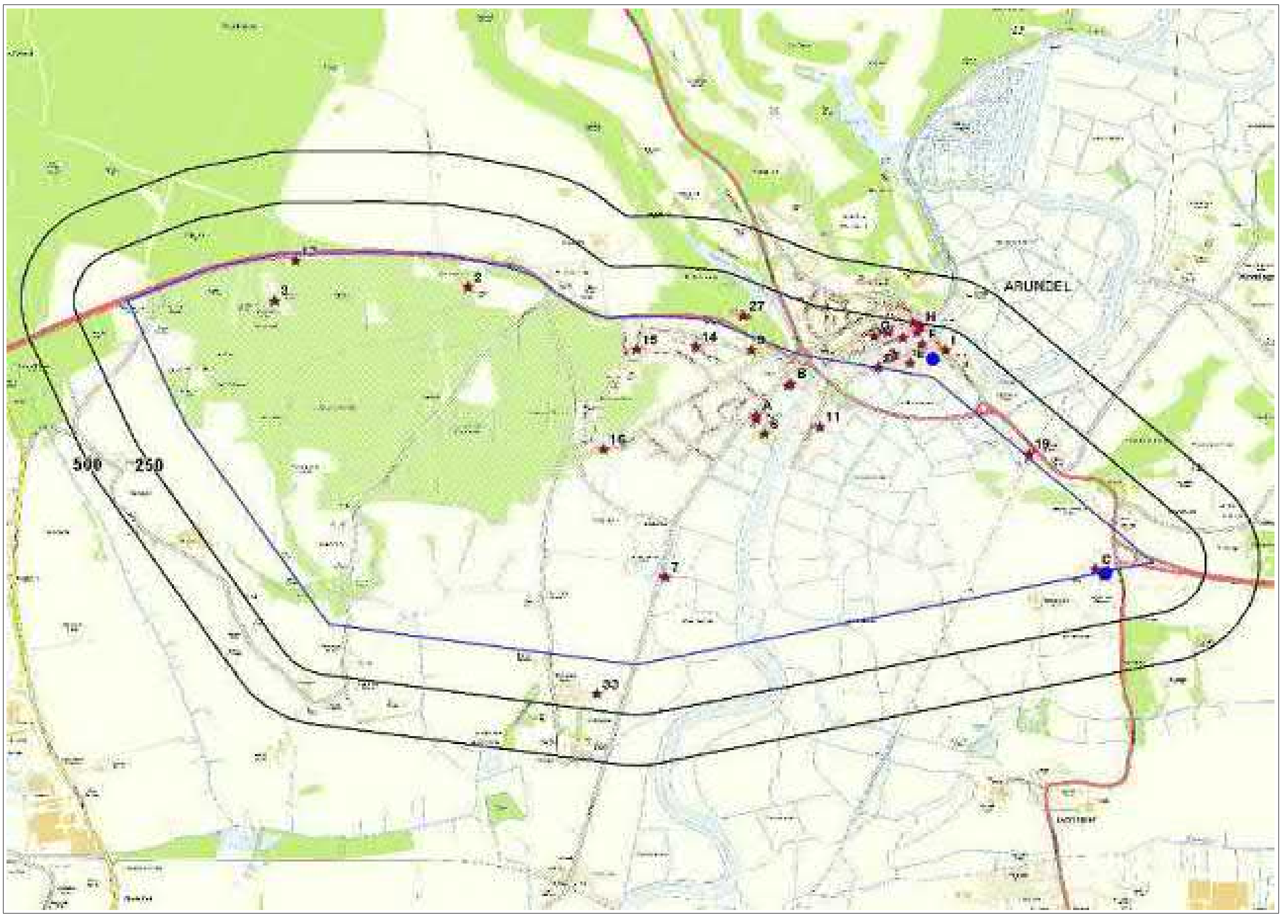
ID	Distance (m)	Direction	NGR	Details	
18	486.0	E	503500 105900	Site Address: Stubbs Copse Wood Yard, Crossbush, Arundel, West Sussex, BN18 9PL Type: Composting Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ROB001 EPR reference: EA/EPR/FP3894HS/V002 Operator: Robinson D J Waste Management licence No: 19666 Annual Tonnage: 4500.0	Issue Date: 31/03/1994 Effective Date: - Modified: 25/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Stubbs Copse Wood Yard Correspondence Address: -, -

Groundsure
LOCATION INTELLIGENCE

3. Current Land Use Map

NW N NE

W



E

SW S SE

Current Land Use Legend

Mapping sourced from Ordnance Survey

Site Outline

Search Buffers (m)

Current Industrial Sites

Petrol & Fuel Sites

Underground High Pressure Oil & Fuel Pipelines

Groundsure
LOCATION INTELLIGENCE

3. Current Land Uses

3.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 39

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1A	0.0	On Site	Arundel Fire Station	501151 106592	Arundel Fire Station, Ford Road, Arundel, BN18 9EB	Fire Brigade Stations	Central and Local Government
2	0.0	On Site	Arundel Arboretum	107229	Scotland Barn, Chichester Road, Arundel, BN18 0AD	Industrial Repairs and Servicing	Repair and Servicing
3	0.0	On Site	Pumping House		BN18	Water Pumping Stations	Industrial Features
4B	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
5A	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
6	0.0	On Site	Pumping Station		BN18	Water Pumping Stations	Industrial Features
7	0.0	On Site	Gas Valve Compound		BN18	Gas Features	Infrastructure and Facilities
8C	0.0	On Site	Electricity Sub Station		BN17	Electrical Features	Infrastructure and Facilities
9	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
10B	0.0	On Site	Gas Valve Compound		BN18	Gas Features	Infrastructure and Facilities
11	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
12D	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
13	0.0	On Site	Mast		BN18	Telecommunications Features	Infrastructure and Facilities
14	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
15	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
16	0.0	On Site	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
17C	0.0	On Site	BP Service Station	502801 105823	Crossbush Service Station, Lyminster Road, Lyminster, Littlehampton, BN17 7QQ	Petrol and Fuel Stations	Road and Rail
18C	0.0	On Site	Snax 24 Arundel	502801 105823	Crossbush Service Station, Lyminster Road, Lyminster, Littlehampton, BN17 7QQ	Petrol and Fuel Stations	Road and Rail
19	13.0	NE	Arundel Rail Station		BN18	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
20C	20.0	S	Snax 24 Crossbush		Crossbush Service Station, Lyminster Road, Lyminster, Littlehampton, BN17 7QQ	Vehicle Cleaning Services	Personal, Consumer and Other Services
21E	46.0	N	Telephone Exchange		BN18	Telecommunications Features	Infrastructure and Facilities
22D	56.0	N	Enterprise Garage	501769 106878	Unit 1-2, Fitzalan Road, Arundel, BN18 9JS	Vehicle Repair, Testing and Servicing	Repair and Servicing
23E	71.0	N	Industrial Estate		BN18	Business Parks and Industrial Estates	Industrial Features
24D	75.0	N	Arun Microelectronics Ltd	501788 106893	Fitzalan Road, Arundel, BN18 9JP	Measurement and Inspection Equipment	Industrial Products
25D	75.0	N	Craig Whitsey Gunmakers Ltd	501796 106892	Unit D/1 10-12, Fitzalan Road, Arundel, BN18 9JS	Arms and Ammunition	Industrial Products
26D	77.0	N	John Wilkes		10-12, Fitzalan Road, Arundel, BN18 9JS	Arms and Ammunition	Industrial Products
27	79.0	N	Arundel & District Community Hospital	501086 107087	Chichester Road, Arundel, BN18 0AB	Hospitals	Health Practitioners and Establishments
28E	111.0	N	Works		BN18	Unspecified Works Or Factories	Industrial Features
29I	145.0	NE	Strap I T		4, Queen Street, Arundel, BN18 9JG	Packaging	Industrial Products
30F	151.0	N	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
31G	153.0	N	Warehouse		BN18	Container and Storage	Transport, Storage and Delivery
32F	169.0	N	Slipway		BN18	Moorings and Unloading Facilities	Water
33	169.0	S	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
34G	183.0	N	Gennor UK Ltd	501770 107006	15, Nineveh Shipyard, Arundel, BN18 9SU	Paints, Varnishes and Lacquers	Industrial Products
35G	185.0	N	Electricity Sub Station		BN18	Electrical Features	Infrastructure and Facilities
36F	205.0	N	Wake Marine Ltd	501904 107005	Quay House Town Quay, River Road, Arundel, BN18 9DF	Distribution and Haulage	Transport, Storage and Delivery
37G	207.0	N	Nineveh Shipyard		BN18	Marine Equipment Including Boats and Ships	Industrial Products
38H	234.0	N	Designscene Business Centre	501918 107032	Old Bank House 1, High Street, Arundel, BN18 9AD	Business Parks and Industrial Estates	Industrial Features
39H	247.0	N	Arundel Trophies Jewellers & Engravers	501884 107051	31, High Street, Arundel, BN18 9AG	Medals, Trophies, Ceremonial and Religious Goods	Consumer Products

3.2 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
40C	7.0	S	502789 105809	BP	Snax 24 Crossbush, Lyminster Road, Lyminster Road, A27, Lyminster, Littlehampton, West Sussex, BN17 7QQ	No	Open
41I	87.0	N	501978 106873	Texaco	Arundel Service Station, Queen Street, Queen Street, Arundel, West Sussex, BN18 9JG	Not Applicable	Obsolete

3.3 Underground High Pressure Oil and Gas Pipelines

Records of high pressure underground pipelines within 500m of the study site: 0

Database searched and no data found.

4. Geology

4.1 Artificial Ground and Made Ground

Database searched and no data found.

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

4.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
HEAD	HEAD	GRAVEL, SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RTDU	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
HEAD	HEAD	GRAVEL, SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RBD2	RAISED BEACH DEPOSITS, 2	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
ALV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RBD1	RAISED BEACH DEPOSITS, 1	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RTDU	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
RMD	RAISED MARINE DEPOSITS	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

Lex Code	Description	Rock Type
AR4	ARUN TERRACE DEPOSITS, 4 MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
AR4	ARUN TERRACE DEPOSITS, 4 MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
RBD1	RAISED BEACH DEPOSITS, 1	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

4.3 Bedrock and Solid Geology

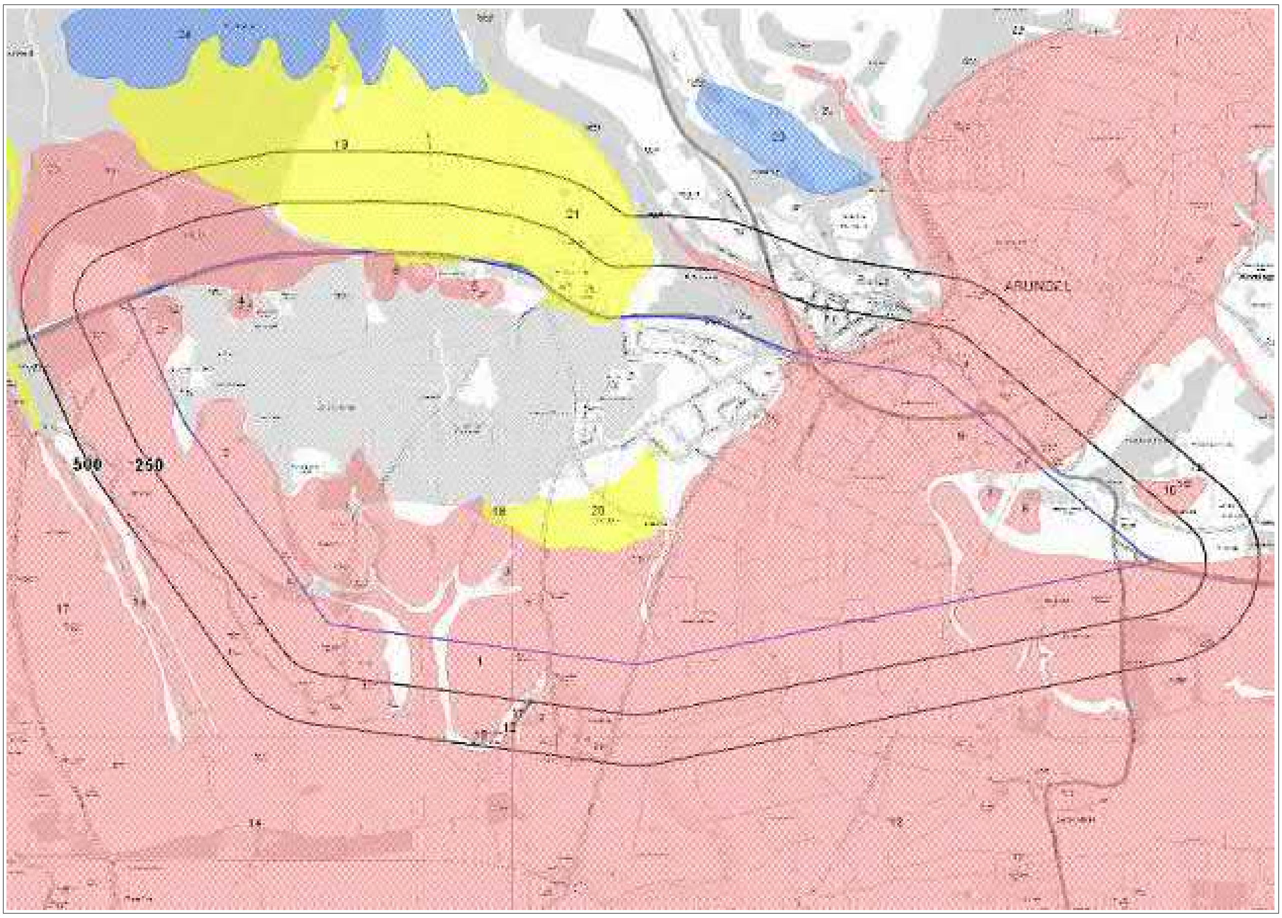
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LMBE-CLSISA	LAMBETH GROUP	CLAY, SILT AND SAND
LC-CLSISA	LONDON CLAY FORMATION	CLAY, SILT AND SAND
SPCH-CHLK	SPETISBURY CHALK MEMBER	CHALK
TACH-CHLK	TARRANT CHALK MEMBER	CHALK
LPCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION, NEWHAVEN CHALK FORMATION, CULVER CHALK FORMATION AND PORTSDOWN CHALK FORMATION (UNDIFFERENTIATED)	CHALK
LMBE-CLSISA	LAMBETH GROUP	CLAY, SILT AND SAND
LC-CLSISA	LONDON CLAY FORMATION	CLAY, SILT AND SAND

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

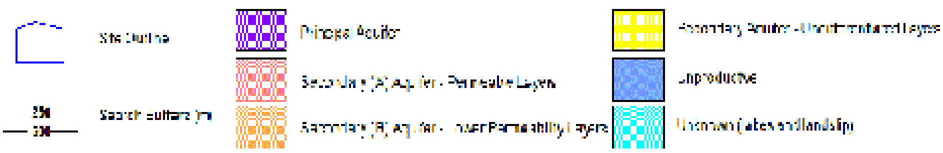
5. Hydrogeology and Hydrology

5a. Aquifer Within Superficial Geology



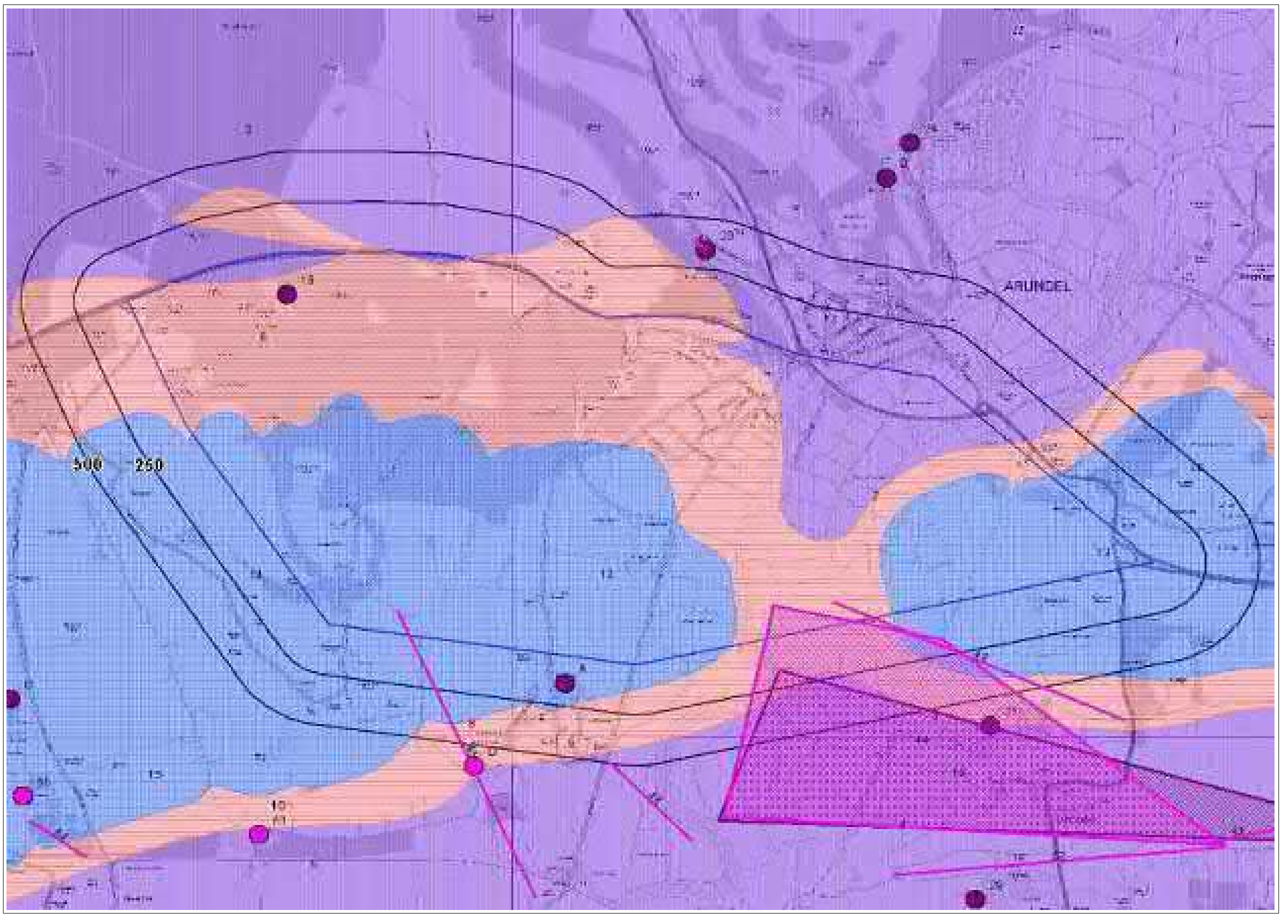
Aquifer Within Superficial Geology

Mapping sourced from Ordnance Survey



5b. Aquifer Within Bedrock Geology and Abstraction Licenses

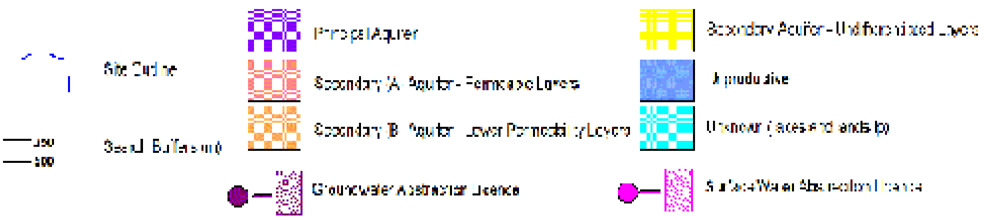
NW N NE

W  E

SW S SE

Aquifer Within Bedrock Geology and Abstraction Licenses

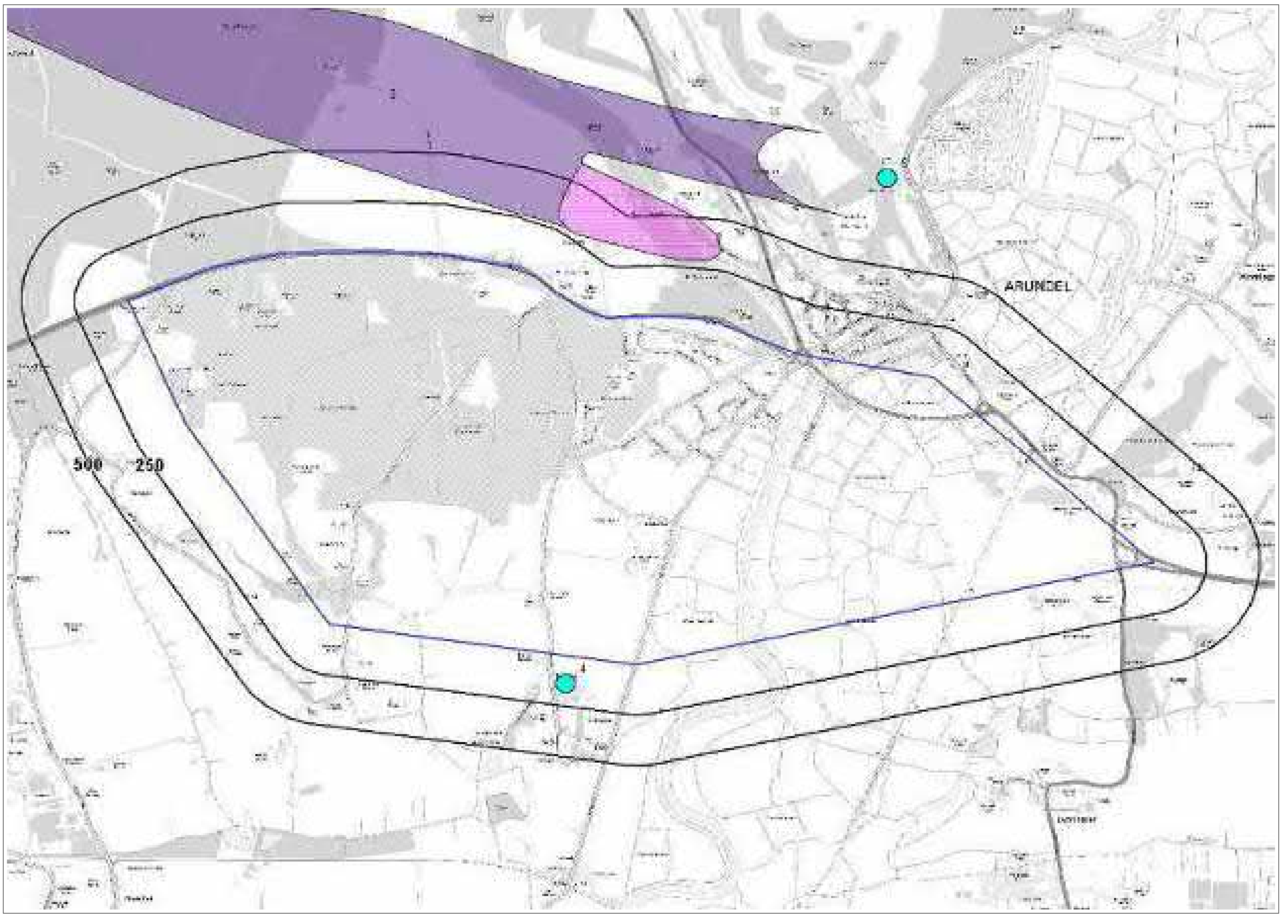
Mapping sourced from Ordnance Survey



5c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses

NW N NE

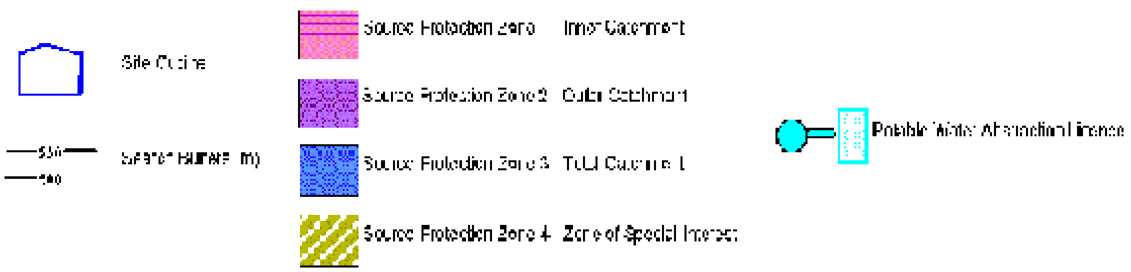
W E



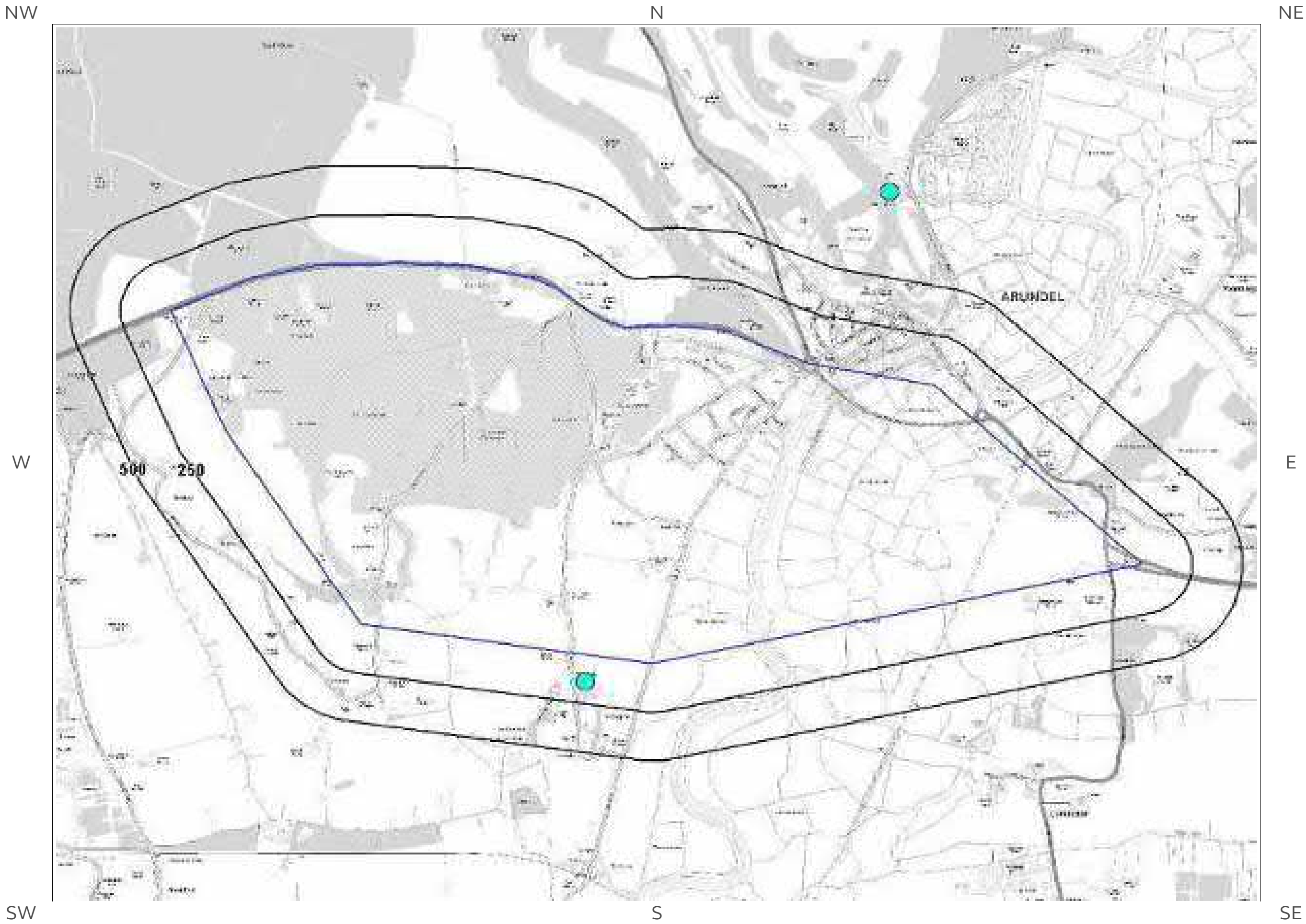
SW S SE

Map LegendSource Protection Zonesand PotableWater Abstraction Licenses

Mapping sourced from Ordnance Survey®



5d. Hydrology Source Protection Zones within confined aquifer



Hydrology Source Protection Zones

Mapping sourced from Ordnance Survey

Site Outline

Search Buffers (m)

Source Protection Zone 1C - Inner Catchment within Confined Aquifer

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

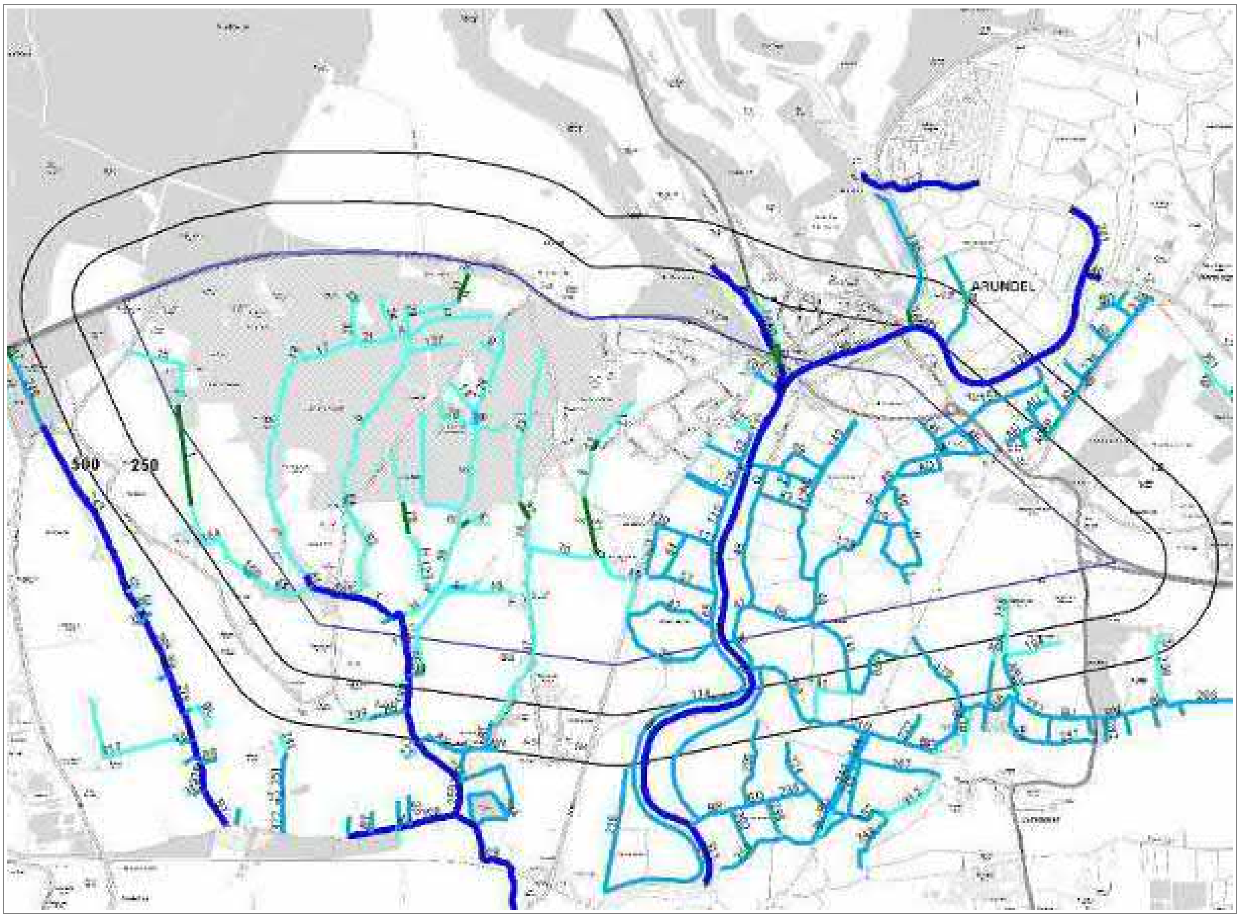
Source Protection Zone 3C - Total Catchment within Confined Aquifer

Potable Water Abstraction Licence

5e. Hydrology – Detailed River Network and River Quality

NW N NE

W



E

SW S SE

Hydrology – Detailed River Network and River Quality

Mapping sourced from Ordnance Survey

Site Outline

Search Buffers (m)

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 Rewen)

Underground River (local knowledge)

Groundsure
LOCATION INTELLIGENCE

5. Hydrogeology and Hydrology

5.1 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 (5a):

ID	Distance (m)	Direction	Designation	Description
1	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
3	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
9	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
18	0.0	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

ID	Distance (m)	Direction	Designation	Description
19	0.0	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
20	0.0	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
21	0.0	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
10	194.0	NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
11	239.0	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
12	350.0	S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
13	355.0	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
14	433.0	S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
15	443.0	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

5.2 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 (5b):

ID	Distance (m)	Direction	Designation	Description
1	0.0	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
2	0.0	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

ID	Distance (m)	Direction	Designation	Description
6	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
12	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
13	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
14	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
3	212.0	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
8	293.0	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
9	355.0	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
4	388.0	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
10	433.0	S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
15	496.0	S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

5.3 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 (5b):

ID	Distance (m)	Direction	NGR	Details	
16	0.0	On Site	498940 107190	Licence No: 10/41/412201 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: Havenwood Caravan Park, Paines Wood, Binsted Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 169/0171 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 15/6/2001 Version End Date:
17A	140.0	S	500250 105260	Licence No: 10/41/411009 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Tortington Park, Arundel Data Type: Point	Annual Volume (m^3): 2850 Max Daily Volume (m^3): 21 Original Application No: WR.0591 Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 8/6/2009 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
18A	140.0	S	500250 105260	Licence No: 10/41/411009 Details: Water Bottling Direct Source: Southern Region Groundwater Point: Tortington Park, Arundel Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0591 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 18/1/1999 Version End Date:
19	163.0	S	501260 105330	Licence No: 10/41/411010 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Church Farm Lyminster Data Type: Region	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0612 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 18/7/1979 Version End Date:
20	341.0	N	500910 107410	Licence No: 27/181 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: Borehole At Chalk Springs Fishery, Arundel Data Type: Point	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2900 Original Application No: 169/0921 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 16/6/2009 Version End Date:
21	639.0	S	502250 105050	Licence No: 24/060 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Groundwater Point: Knucker Hole Fish Farm Data Type: Point	Annual Volume (m^3): 332000 Max Daily Volume (m^3): 907 Original Application No: 169/1026 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 12/6/2009 Version End Date:
22B	933.0	N	501760 107770	Licence No: 10/41/310210 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: Arundel Ps Data Type: Point	Annual Volume (m^3): 26000000 Max Daily Volume (m^3): 114000 Original Application No: WR.0611 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 8/6/2009 Version End Date:
23B	933.0	N	501760 107770	Licence No: 10/41/310210 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: Arundel Ps Data Type: Point	Annual Volume (m^3): 26000000 Max Daily Volume (m^3): 114000 Original Application No: WR.0611 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 11/12/2009 Version End Date:
24	1119.0	N	501870 107940	Licence No: 10/41/413003 Details: Lake & Pond Throughflow Direct Source: Southern Region Groundwater Point: Arundel Wildfowl Reserve Data Type: Point	Annual Volume (m^3): 1991148 Max Daily Volume (m^3): 5455.2 Original Application No: WR.0293 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 8/6/2009 Version End Date:
Not shown	1353.0	W	496840 107170	Licence No: 10/41/542212 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Point A At Woodlands Farm, Slindon Data Type: Point	Annual Volume (m^3): 22730 Max Daily Volume (m^3): 2909.4 Original Application No: 169/281 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 10/6/2009 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1438.0	SE	504270 105160	Licence No: 10/41/411101 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: Ex-radar Site At Poling Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0115 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 2/4/1987 Version End Date:
27C	1451.0	SW	497640 105180	Licence No: 27/194A Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Point A At Walberton Nurseries, Walberton Data Type: Point	Annual Volume (m^3): 42000 Max Daily Volume (m^3): 288 Original Application No: NPS/WR/015686 Original Start Date: 10/10/2005 Expiry Date: 31/3/2016 Issue No: 2 Version Start Date: 17/4/2014 Version End Date:
28C	1451.0	SW	497640 105180	Licence No: 27/194 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Point A At Walberton Nurseries, Walberton Data Type: Point	Annual Volume (m^3): 42000 Max Daily Volume (m^3): 288 Original Application No: 169/1629 Original Start Date: - Expiry Date: 1/4/2008 00 Issue No: 100 Version Start Date: 2/4/1998 Version End Date:
29	1467.0	S	502180 104190	Licence No: 24/059 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: Glenvilla Lyminster Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 169/1177 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 21/5/1992 Version End Date:
Not shown	1594.0	SW	497610 104970	Licence No: 10/41/412006 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: Todhurst Barn, Yapton Lane, Walberton Data Type: Point	Annual Volume (m^3): 4546 Max Daily Volume (m^3): 90.9 Original Application No: NPS/WR/015212 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 24/1/2014 Version End Date:
Not shown	1597.0	S	502240 104070	Licence No: 24/062 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Sandfield Nursery Data Type: Point	Annual Volume (m^3): 4200 Max Daily Volume (m^3): 25 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 103 Version Start Date: 16/6/2009 Version End Date:
Not shown	1605.0	S	499330 103910	Licence No: 10/41/412004 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: Wicks Farm, Yapton Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0113 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 2/4/1987 Version End Date:
Not shown	1623.0	S	502320 104060	Licence No: 24/064 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: Marina House Data Type: Point	Annual Volume (m^3): 5966 Max Daily Volume (m^3): 25 Original Application No: 169/1449 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1662.0	S	502320 104020	Licence No: 24/065 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: Torri House Data Type: Point	Annual Volume (m^3): 5966 Max Daily Volume (m^3): 25 Original Application No: 169/1450 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:
Not shown	1665.0	S	498790 103930	Licence No: 10/41/412007 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Wicks Farm, Ford Data Type: Point	Annual Volume (m^3): 15000 Max Daily Volume (m^3): 120 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 8/6/2009 Version End Date:
Not shown	1731.0	S	503090 104110	Licence No: 24/067 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Borehole At Point 'a' At Kirin Agribo Toddington Nurseries Data Type: Point	Annual Volume (m^3): 24338 Max Daily Volume (m^3): 228 Original Application No: 169S/0010 Original Start Date: 15/9/2005 Expiry Date: 31/3/2016 Issue No: 1 Version Start Date: 16/6/2009 Version End Date:
Not shown	1770.0	S	502560 103960	Licence No: 10/41/411012 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Borehole At Sandfield Nurseries Data Type: Point	Annual Volume (m^3): 16800 Max Daily Volume (m^3): 96 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 13/11/2006 Version End Date:
Not shown	1780.0	S	502560 103950	Licence No: 10/41/411012 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Borehole At Sandfield Nurseries Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0138 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 1/11/1999 Version End Date:
Not shown	1790.0	S	502660 103960	Licence No: 10/41/411012 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Sandfield Nurseries Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0138 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 1/11/1999 Version End Date:
Not shown	1794.0	S	501720 103760	Licence No: 10/41/411003 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: Court Wick Park Littlehampton Data Type: Point	Annual Volume (m^3): 9100 Max Daily Volume (m^3): 45 Original Application No: WR.0050 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:
Not shown	1801.0	NW	497320 108740	Licence No: 10/41/412102 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: Baycombe Wood, Dale Park, Madehurst Data Type: Point	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 27.3 Original Application No: WR.0105 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1902.0	NW	496510 108050	Licence No: 10/41/542210 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: Point A At Gaston Farm,slindon Data Type: Point	Annual Volume (m^3): 13638 Max Daily Volume (m^3): 272.7 Original Application No: 169/0164 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/6/2009 Version End Date:
Not shown	1965.0	S	502080 103660	Licence No: 10/41/411004 Details: Animal Watering & General Use in non Farming situations Direct Source: Southern Region Groundwater Point: Normans Nurseries Courtwick Lane Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0190 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 6/10/2003 Version End Date:

5.4 Surface Water Abstraction Licences

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

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (5b):

ID	Distance (m)	Direction	NGR	Details	
44	0.0	On Site	501230 105650	Licence No: 10/41/411010 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Church Farm Lyminster Data Type: Region	Annual Volume (m^3): 13638 Max Daily Volume (m^3): 654.62 Application No: WR.0612 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 8/6/2009 Version End Date:
45	0.0	On Site	499460 105630	Licence No: 10/41/411020 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Binsted Rife Nr Priory Farm Data Type: Line	Annual Volume (m^3): 2500 Max Daily Volume (m^3): 181.8 Application No: 169/0513 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 8/6/2009 Version End Date:
46	0.0	On Site	501510 105670	Licence No: 10/41/411102 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Broomhurst Farm Data Type: Line	Annual Volume (m^3): 25003 Max Daily Volume (m^3): 458.24 Application No: WR.0311 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 8/6/2009 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
47	352.0	N	500850 107460	Licence No: 27/183 Details: Fish Farm/Cress Pond Throughflow Direct Source: Southern Region Surface Waters Point: Springs From The Waterwoods, Park Bottom, Arundel Data Type: Line	Annual Volume (m^3): 2624000 Max Daily Volume (m^3): 15800 Application No: 169/1453 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 16/6/2009 Version End Date:
48	497.0	S	500460 104870	Licence No: 10/41/411020 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Internal Ditches At Tortington Data Type: Line	Annual Volume (m^3): 2500 Max Daily Volume (m^3): 181.8 Application No: 169/0513 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 8/6/2009 Version End Date:
49D	606.0	S	499820 104850	Licence No: 10/41/411022CA Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Drainage Ditches At Tortington Data Type: Point	Annual Volume (m^3): 12274 Max Daily Volume (m^3): 54.6 Application No: 169/0658CA Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 19/8/1985 Version End Date:
50D	606.0	S	499820 104850	Licence No: 10/41/411022 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Tortington Drainage Ditches Data Type: Point	Annual Volume (m^3): 12274 Max Daily Volume (m^3): 54.5 Application No: 169/0658CA Original Start Date: 1/4/2007 Expiry Date: - Issue No: 1 Version Start Date: 8/6/2009 Version End Date:
51	1098.0	S	498810 104510	Licence No: 27/190 Details: Spray Irrigation - Storage Direct Source: Southern Region Surface Waters Point: Point A On Binstead Rife, Wicks Farm, Yapton Data Type: Point	Annual Volume (m^3): 100000 Max Daily Volume (m^3): 1200 Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 16/6/2009 Version End Date:
52	1270.0	S	501790 104310	Licence No: 10/41/414020 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Black Ditch At Church Farm Lyminster Data Type: Line	Annual Volume (m^3): 9092 Max Daily Volume (m^3): 654.62 Application No: WR.0158 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 8/6/2009 Version End Date:
53	1419.0	S	503250 104460	Licence No: 10/41/414014 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Black Ditch At Manor Farm Data Type: Line	Annual Volume (m^3): 20548 Max Daily Volume (m^3): 916.5 Application No: WR.0114 Original Start Date: - Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 1/4/2006 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
54	1623.0	SW	497730 104580	Licence No: 10/41/412002 Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: Todhurst Rife At Yapton Lane, Walberton Data Type: Line	Annual Volume (m^3): - Max Daily Volume (m^3): - Application No: WR.0755 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 29/6/1998 Version End Date:
55	1671.0	SW	497700 104700	Licence No: 27/176 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Southern Region Surface Waters Point: Todhurst Rife At Star Nurseries, Barnham Data Type: Point	Annual Volume (m^3): 20000 Max Daily Volume (m^3): 214 Application No: 169/1113 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 16/6/2009 Version End Date:

5.5 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 (5c):

ID	Distance (m)	Direction	NGR	Details	
4	140.0	S	500250 105260	Licence No: 10/41/411009 Details: Water Bottling Direct Source: Southern Region Groundwater Point: Tortington Park, Arundel Data Type: Point	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WR.0591 Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
5	933.0	N	501760 107770	Licence No: 10/41/310210 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: Arundel Ps Data Type: Point	Annual Volume (m^3): 26000000 Max Daily Volume (m^3): 114000 Original Application No: WR.0611 Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: Version End Date:

5.6 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 (5c):

ID	Distance (m)	Direction	Type	Description
2	268.0	N	2	Outer catchment
1	281.0	NE	1	Inner catchment
3	368.0	N	2	Outer catchment

5.7 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.

5.8 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	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
0	On Site	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
0	On Site	Minor Aquifer/Low Leaching Potential	L	Soils in which pollutants are unlikely to penetrate the soil layer because either water movement is largely horizontal, or they have the ability to attenuate diffuse pollutants.
0	On Site	Minor Aquifer/Low Leaching Potential	L	Soils in which pollutants are unlikely to penetrate the soil layer because either water movement is largely horizontal, or they have the ability to attenuate diffuse pollutants.
0	On Site	Minor Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Minor Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
0	On Site	Minor Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Minor Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
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	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
61	SW	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
230	S	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
304	N	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
470	S	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.

5.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site? No

5.9.1 Biological Quality:

Database searched and no data found.

5.9.2 Chemical Quality:

Database searched and no data found.

5.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site?	Yes

The following Detailed River Network records are represented on the Hydrology Map (5e):

ID	Distance (m)	Direction	Details	
1	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
2	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
3R	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
4	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
5	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
6	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
7	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
8	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
9	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
10	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
11	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
12	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
13 B	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
14	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
15	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
16 M	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
17	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
18	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
19 S	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
20	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
21	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
22 A	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
23	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
24	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
25 A	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
26 C	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
27 B	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
28	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
29	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
30 C	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
31	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
32 D	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
33 D	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
34	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
35 K	0.0	On Site	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
36	0.0	On Site	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
37	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
38	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
39	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
40 U	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

Groundsure
LOCATION INTELLIGENCE

ID	Distance (m)	Direction	Details	
41	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
42	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
43 T	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
44	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
45	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
46 N	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
47	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
48	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
49	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
50	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
51 Z	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
52 E	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
53 E	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
54	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
55 E	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
56 F	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
57	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
58 F	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
59	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
60 E	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
61	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
62	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
63J	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
64	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
65	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
66	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
67 W	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
68 G	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
69 G	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
70	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
71	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
72 X	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
73I	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
74 H	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
75 H	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
76	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
77I	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
78	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
79	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
80	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
81	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
82	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
83	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
84	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
85 Y	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
86	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
87 P	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
88J	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
89	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
90 K	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
91 K	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
92	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
93 L	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
94 L	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
95 M	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
96	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
97 V	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
98 M	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
99 N	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
10 0O	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
10 1O	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
10 2Q	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
10 3P	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
10 4Q	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
10 5Q	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
10 6R	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
10 7	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
10 8S	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
10 9K	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 0K	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 1T	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
11 2U	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 3V	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 4	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 5	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 6F	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 7A	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
11 8W	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
11 9L	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
12 0A C	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
121	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
122X	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
123	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
124Y	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
125	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
126	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
127	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
128	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
129AB	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
130	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
131F	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
132	0.0	On Site	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
133Z	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
134AA	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
135AA	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
136K	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
137AB	0.0	On Site	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
138AD	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
139J	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
140	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
141	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
142	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
143AC	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
144AD	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
145	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
146AA	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
147AA	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
148AA	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
149AE	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
150AE	0.0	On Site	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
151	0.0	On Site	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
152AG	28.0	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
153AF	45.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
154AF	45.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
155	45.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
156AF	46.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
157AG	58.0	N	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
158	65.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
159AH	92.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
160	132.0	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
161AH	137.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
162	137.0	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
163AI	137.0	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
164	140.0	SW	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
165AJ	142.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
166AI	146.0	N	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
167AM	146.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
168	155.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
169AJ	155.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
170	158.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
171AK	158.0	S	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
172AH	165.0	NE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
173AK	171.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
174AL	177.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
175AL	177.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
176	184.0	NE	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
177AM	185.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
178	195.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
179AM	215.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
180	215.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
18 1A O	228.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18 2A N	246.0	N	River Name: River Arun Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
18 3A N	246.0	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18 4A N	247.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18 5A O	255.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18 6A P	255.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18 7A P	269.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18 8	270.0	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
18 9	291.0	NE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19 0A U	292.0	NE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19 1	315.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
19 2A Q	320.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
19 3A Q	320.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
19 4	331.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
19 5	336.0	N	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19 6A Q	338.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19 7A R	338.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19 8A R	351.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19 9A S	358.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
20 0A S	358.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
201AT	369.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
202AT	370.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
203AU	380.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
204AV	391.0	NE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
205AU	391.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
206	410.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
207AV	411.0	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
208	414.0	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
209	428.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
210	468.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
211AY	477.0	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
212AW	496.0	S	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined

5.11 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
0.0	On Site
0.0	On Site
170.0	NE
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
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0.0	On Site

Distance (m)	Direction
0.0	On Site
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Distance (m)	Direction
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0.0	On Site

Distance (m)	Direction
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
5.0	NE
28.0	N
41.0	SW
44.0	NE
45.0	S
45.0	S
46.0	S
53.0	SW
58.0	N
65.0	S
72.0	S
74.0	NE
77.0	SW
78.0	N
81.0	NE
81.0	NE
82.0	SW
89.0	NE
91.0	NE
96.0	NE
105.0	NE
110.0	N
119.0	NE
140.0	SW
146.0	N
154.0	S
157.0	S
171.0	S
171.0	S
174.0	N
175.0	S
177.0	S
177.0	S
184.0	NE
185.0	SW
187.0	NE
207.0	NE
209.0	N
210.0	NE
216.0	S
216.0	S
220.0	NE
228.0	S

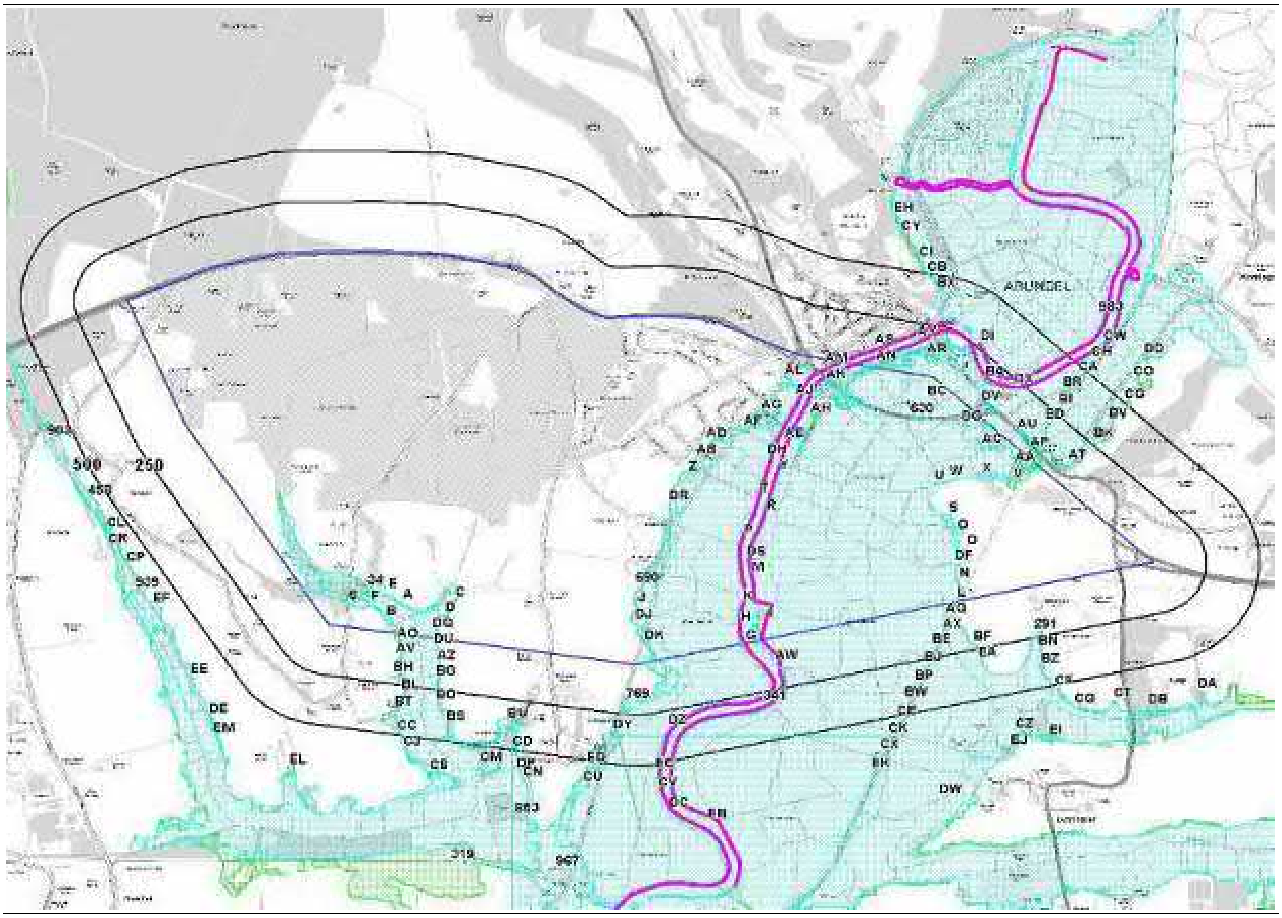
Distance (m)	Direction
228.0	NE
233.0	S
247.0	NE
247.0	S
250.0	N

Groundsure
LOCATION INTELLIGENCE

6. Environment Agency Flood Map for planning (from rivers and the sea)

NW N NE

W E



SW S SE

Environment Agency Flood Map for planning (from rivers and the sea)

Mapping sourced from Ordnance Survey

Site Outline

Search Buffers (m)

Zone 2 Floodplain

Zone 3 Floodplain

Flood Storage Area

Area Benefiting from Flood Defences

Flood Defences

6. Flooding

6.1 Zone 2 Flooding

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 1 – Environment Agency Flood Map for Planning:

Is the site within 250m of an Environment Agency Zone 2 floodplain? Yes

The following floodplain records are represented as green shading on the Flood Map:

ID	Distance (m)	Direction	Update	Type
1E	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
2F	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
3A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
4A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
5A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
6	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
7A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
8B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
9C	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
10B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
11C	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
12C	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
13DO	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
14D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
15D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
16D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
17D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
18D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
19E	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
20DQ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
21B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
22D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
23A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
24B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
25B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
26A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
27DP	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
28B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
29B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
30C	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
31B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
32B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
33E	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
34	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
35F	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
36B	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
37C	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
38BC	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
39DK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
40G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
41G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
42DJ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
43H	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
44H	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
45G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
46I	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
47I	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
48K	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
49J	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
50J	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
51J	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
52L	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
53K	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
54K	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
55L	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
56L	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
57L	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
58L	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
59DM	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
60N	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
61M	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
62M	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
63N	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
64N	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
65DS	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
66DF	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
67O	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
68O	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
69DN	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
70P	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
71Q	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
72P	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
73DR	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
74Q	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
75Q	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
76S	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
77R	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
78R	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
79R	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
80S	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
81R	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
82T	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
83T	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
84T	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
85V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
86T	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
87U	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
88U	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
89W	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
90Z	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
91V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
92X	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
93W	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
94X	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
95V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
96Y	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
97V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
98AA	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
99X	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
100V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
101V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
102Y	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
103Y	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
104V	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
105Z	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
106AA	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
107AB	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
108A A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
109A A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
110Y	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
111Y	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
112A A	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
113D H	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
114DL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
115AB	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
116AC	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
117AC	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
118AE	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
119A D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
120A D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
121A D	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
122AE	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
123AE	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
124AF	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
125AF	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
126AF	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
127AF	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
128D G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
129A H	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
130A G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
131A G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
132A G	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
133AJ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
134AI	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
135A H	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
136AI	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
137AJ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
138AJ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
139AJ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
140AI	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
141AI	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
142AJ	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
143AI	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
144AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
145AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
146AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
147AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
148AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
149AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
150AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
151AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
152AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
153AN	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
154AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
155AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
156AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
157AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
158AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
159AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
160AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
161AK	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
162AM	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
163AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
164AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
165AL	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
166AM	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
167AM	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
168AM	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
169AC	0.0	On Site	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
170L	4.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
171AN	10.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
172L	11.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
173AN	18.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
174AN	20.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
175L	21.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
176AN	21.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
177AN	23.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
178AN	25.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
179AN	28.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
180AN	28.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
181G	29.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
182AA	31.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
183AP	32.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
184AO	34.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
185AO	35.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
186AN	36.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
187AN	38.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
188AP	40.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
189AP	41.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
190AP	41.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
191AP	42.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
192AN	44.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
193DU	45.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
194L	49.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
195AN	50.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
196AZ	50.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
197AP	50.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
198AN	52.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
199AU	52.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
200AP	53.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
201AO	54.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
202AP	54.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
203AN	56.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
204AP	59.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
205AP	60.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
206AP	62.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
207AO	63.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
208AP	65.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
209AQ	66.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
210AR	67.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
211AP	70.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
212AP	70.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
213AQ	75.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
214AQ	76.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
215DW	80.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
216AR	82.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
217AN	87.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
218AS	88.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
219AR	89.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
220AT	93.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
221AQ	93.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
222AS	96.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
223AR	97.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
224AR	101.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
225AO	103.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
226AQ	106.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
227AS	110.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
228AR	111.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
229AQ	111.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
230AS	111.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
231AS	112.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
232AS	113.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
233AV	114.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
234AP	115.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
235AR	116.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
236AR	118.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
237AW	118.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
238AT	122.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
239AU	124.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
240AS	125.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
241AR	125.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
242AV	126.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
243AX	132.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
244AW	133.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
245AR	135.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
246AX	137.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
247AX	139.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
248AU	139.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
249AV	144.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
250AX	146.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
251BA	146.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
252AS	149.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
253AR	150.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
254AV	151.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
255AX	151.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
256AY	157.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
257AU	159.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
258BB	159.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
259AY	166.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
260AZ	167.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
261AU	170.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
262AY	170.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
263BA	170.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
264AX	171.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
265AX	173.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
266AY	175.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
267AT	177.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
268AZ	177.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
269BB	178.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
270AY	179.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
271BC	179.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
272AX	180.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
273BC	181.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
274AY	181.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
275BD	183.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
276BC	186.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
277AX	186.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
278AX	192.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
279BH	192.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
280BD	192.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
281BG	197.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
282AX	202.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
283AX	203.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
284BE	204.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
285BC	205.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
286AY	208.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
287DX	210.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
288AX	214.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
289AX	216.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
290BD	216.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
291	220.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
292BE	221.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
293BD	222.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
294BE	223.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
295BE	226.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
296BA	228.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
297BF	228.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
298BC	230.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
299BE	230.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
300BC	232.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
301BC	235.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
302BC	235.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
303BC	235.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
304BC	236.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
305BC	237.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
306BC	238.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
307BC	239.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
308BE	239.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
309BD	240.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

ID	Distance (m)	Direction	Update	Type
310BD	240.0	NE	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
311BF	242.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
312BC	246.0	N	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
313BG	248.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
314BH	249.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)
315BE	250.0	S	10-Feb-2015	Zone 2 - (Fluvial / Tidal Models)

6.2 Zone 3 Flooding

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 1 – Environment Agency Flood Map for Planning.

Is the site within 250m of an Environment Agency Zone 3 floodplain? Yes

The following floodplain records are represented as blue shading on the Flood Map:

ID	Distance (m)	Direction	Update	Type
597L	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
598N	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
599N	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
600N	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
601DF	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
602O	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
603O	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
604Q	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
605Q	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
606Q	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
607S	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
608S	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
609Y	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
610U	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
611U	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
612X	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
613W	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
614AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
615AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
616AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
617V	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
618Y	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
619Y	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
620AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
621AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
622AH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
623DG	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
624DG	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
625AD	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
626AF	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
627AF	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
628AF	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
629DG	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
630	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
631AH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
632AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
633AH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
634AH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
635AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
636AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
637AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
638AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
639AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
640AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
641AJ	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
642AF	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
643AF	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
644AE	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
645AC	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
646AD	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
647AC	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
648AE	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
649DH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
650AC	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
651AE	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
652DH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
653DH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
654AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
655DH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
656DH	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
657AA	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
658AJ	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
659AJ	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
660AB	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
661Z	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
662AL	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
663AI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
664AL	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
665AM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
666AM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
667AM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
668AM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
669AM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
670AN	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
671AM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
672AN	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
673DI	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
674D	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
675AO	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
676B	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
677A	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
678A	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
679A	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
680A	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
681A	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
682B	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
683DJ	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
684DJ	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
685DK	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
686DK	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
687DK	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
688J	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
689DL	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
690	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
691DM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
692DM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
693DM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
694DM	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
695DN	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
696DO	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
697DP	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
698C	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
699DQ	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
700DN	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
701DN	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
702DN	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
703DR	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
704DR	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
705G	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
706Z	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
707H	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
708M	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
709T	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
710T	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
711R	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
712T	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
713R	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
714R	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
715DT	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
716P	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
717DS	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
718I	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
719DT	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
720M	0.0	On Site	10-Feb-2015	Zone 3 - (Fluvial Models)
721AN	6.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
722AS	10.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
723AQ	11.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
724AS	18.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
725AR	18.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
726AN	21.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
727DQ	21.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
728AS	23.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
729AR	25.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
730G	29.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
731AS	29.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
732AO	34.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
733AS	34.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
734DV	36.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
735AS	36.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
736AS	44.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
737DU	45.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
738DV	48.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
739AS	50.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
740DU	50.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
741AU	52.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
742AS	56.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
743AV	59.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
744AV	63.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
745AS	64.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
746AR	67.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
747AS	68.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
748AR	76.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
749AR	79.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
750DW	80.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
751AS	81.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
752AQ	82.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
753AS	82.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
754AS	83.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
755AR	90.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
756AR	90.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
757BD	90.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
758AR	97.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
759AQ	102.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
760AS	110.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
761AS	112.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
762AV	113.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
763AQ	113.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
764AR	116.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
765AW	118.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
766BG	118.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
767AW	121.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
768AR	125.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
769	130.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
770DX	139.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
771AX	139.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
772AY	140.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
773AY	146.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
774BE	146.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
775BC	149.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
776DX	151.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
777AV	151.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
778AY	153.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
779AS	155.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
780	159.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
781AU	161.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
782BA	164.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
783BG	167.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
784DX	170.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
785DI	171.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
786AY	172.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
787AU	175.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
788DI	177.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
789BB	178.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
790DI	180.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
791BF	180.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
792BH	192.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
793DI	206.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
794AY	208.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
795BF	216.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
796DI	222.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
797BJ	226.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
798DX	228.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
799BN	228.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
800BC	230.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
801BF	230.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)
802DI	232.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
803DI	239.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
804BI	240.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
805DI	246.0	NE	10-Feb-2015	Zone 3 - (Fluvial Models)
806BC	249.0	N	10-Feb-2015	Zone 3 - (Fluvial Models)
807BJ	250.0	S	10-Feb-2015	Zone 3 - (Fluvial Models)

6.3 Flood Defences

Are there any Flood Defences within 250m of the study site? Yes

The following flood defence records are represented as lines on the Flood Map:

ID	Distance (m)	Direction	Update
987	0.0	On Site	31-Oct-2014
988	0.0	On Site	31-Oct-2014
989	0.0	On Site	31-Oct-2014
990	157.0	S	31-Oct-2014
991	164.0	NE	31-Oct-2014
992	201.0	N	31-Oct-2014
993	205.0	NE	31-Oct-2014
994	242.0	N	31-Oct-2014

6.4 Areas benefiting from Flood Defences

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

6.5 Areas benefiting from Flood Storage

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

6.6 Groundwater Flooding Susceptibility Areas

6.6.1 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? Superficial Deposits 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).

6.6.2 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.

6.7 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.

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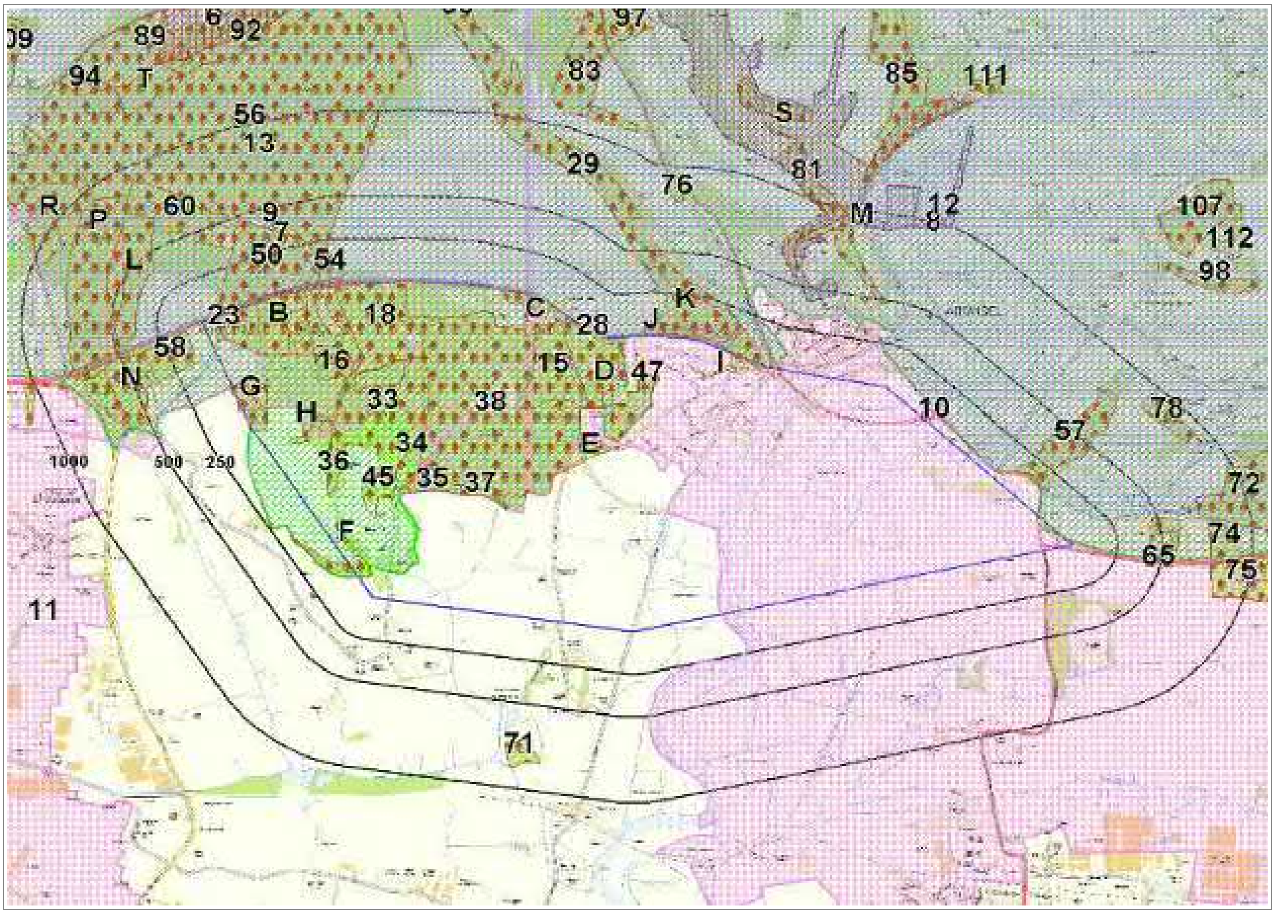
7. Designated Environmentally Sensitive Sites Map



Designated Environmentally Sensitive Sites Map

Mapping sourced from Ordnance Survey

Groundsure
LOCATION INTELLIGENCE

7. Designated Environmentally Sensitive Sites

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

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

5

The following Site of Special Scientific Interest (SSSI) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SSSI Name	Data Source
1S	427.0	N	Arundel Park	Natural England
2O	652.0	N	Arundel Park	Natural England
3M	902.0	N	Arundel Park	Natural England
4	903.0	N	Arundel Park	Natural England
5U	1465.0	N	Fairmile Bottom	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

101

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
14G	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
15	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
16	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
17A	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
18	0.0	On Site	UNKNOWN	Ancient Replanted Woodland
19A	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
20B	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
21B	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
22B	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
23	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
24C	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
25C	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
26C	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
27E	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
28	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
29	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
30D	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
31D	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
32E	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
33	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
34	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
35	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
36	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
37	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
38	0.0	On Site	UNKNOWN	Ancient Replanted Woodland
39F	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
40F	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
41G	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
42H	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
43H	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
44H	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
45	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
46D	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
47	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
48I	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
49I	0.0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
50	9.0	N	UNKNOWN	Ancient Replanted Woodland
51	10.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
52J	10.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
53J	11.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
54	16.0	N	UNKNOWN	Ancient Replanted Woodland
55K	60.0	N	UNKNOWN	Ancient Replanted Woodland
56	98.0	N	UNKNOWN	Ancient Replanted Woodland
57	101.0	NE	UNKNOWN	Ancient and Semi-Natural Woodland
58	102.0	SW	UNKNOWN	Ancient and Semi-Natural Woodland
59K	155.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
60	341.0	N	UNKNOWN	Ancient Replanted Woodland
61N	367.0	SW	UNKNOWN	Ancient and Semi-Natural Woodland
62L	367.0	W	UNKNOWN	Ancient Replanted Woodland
63L	385.0	W	UNKNOWN	Ancient and Semi-Natural Woodland
64	423.0	E	UNKNOWN	Ancient and Semi-Natural Woodland
65	427.0	E	UNKNOWN	Ancient and Semi-Natural Woodland

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
66L	460.0	W	UNKNOWN	Ancient Replanted Woodland
67M	474.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
68N	556.0	SW	UNKNOWN	Ancient and Semi-Natural Woodland
69O	593.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
70N	611.0	SW	UNKNOWN	Ancient and Semi-Natural Woodland
71	708.0	S	UNKNOWN	Ancient and Semi-Natural Woodland
72	720.0	E	UNKNOWN	Ancient Replanted Woodland
73P	731.0	NW	UNKNOWN	Ancient Replanted Woodland
74	757.0	E	UNKNOWN	Ancient and Semi-Natural Woodland
75	771.0	E	UNKNOWN	Ancient and Semi-Natural Woodland
76	794.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
77	820.0	SW	UNKNOWN	Ancient and Semi-Natural Woodland
78	849.0	NE	UNKNOWN	Ancient and Semi-Natural Woodland
79R	888.0	NW	UNKNOWN	Ancient Replanted Woodland
80P	897.0	NW	UNKNOWN	Ancient Replanted Woodland
81	902.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
82Q	1022.0	NW	UNKNOWN	Ancient and Semi-Natural Woodland
83	1087.0	N	UNKNOWN	Ancient Replanted Woodland
84Q	1116.0	NW	UNKNOWN	Ancient Replanted Woodland
85	1141.0	N	UNKNOWN	Ancient Replanted Woodland
86	1159.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
87R	1232.0	NW	UNKNOWN	Ancient and Semi-Natural Woodland
88T	1271.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
89	1276.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
90S	1366.0	N	UNKNOWN	Ancient Replanted Woodland
91S	1370.0	N	UNKNOWN	Ancient Replanted Woodland
92	1375.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
93T	1406.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
94	1456.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
95U	1469.0	N	UNKNOWN	Ancient Replanted Woodland
96	1471.0	N	UNKNOWN	Ancient Replanted Woodland
97	1507.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
98	1544.0	NE	UNKNOWN	Ancient and Semi-Natural Woodland
99V	1556.0	N	UNKNOWN	Ancient Replanted Woodland
100V	1579.0	N	UNKNOWN	Ancient Replanted Woodland
101	1605.0	N	UNKNOWN	Ancient Replanted Woodland
Not shown	1613.0	NW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1616.0	W	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1639.0	W	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1644.0	E	UNKNOWN	Ancient Replanted Woodland
Not shown	1659.0	W	UNKNOWN	Ancient and Semi-Natural Woodland
107	1666.0	NE	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1691.0	N	UNKNOWN	Ancient Replanted Woodland
109	1753.0	NW	UNKNOWN	Ancient Replanted Woodland
Not shown	1791.0	N	UNKNOWN	Ancient Replanted Woodland
111	1801.0	N	UNKNOWN	Ancient Replanted Woodland

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
112	1810.0	NE	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1891.0	N	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1900.0	NW	UNKNOWN	Ancient Replanted Woodland

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

1

The following Local Nature Reserve (LNR) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	LNR Name	Data Source
6	1465.0	N	Fairmile Bottom	Natural England

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

0

Database searched and no data found.

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

2

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

ID	Distance (m)	Direction	ESA Name	Data Source
12	0.0	On Site	South Downs	Natural England
13	12.0	N	South Downs	Natural England

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

0

Database searched and no data found.

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

2

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

ID	Distance (m)	Direction	SSSI Name	Data Source
7	0.0	On Site	South Downs	Natural England
8	0.0	On Site	South Downs	Natural England

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

0

Database searched and no data found.

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

3

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
9	0.0	On Site	Existing	DEFRA
10	0.0	On Site	Existing	DEFRA
11	787.0	SW	Existing	DEFRA

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

0

Database searched and no data found.

8. Natural Hazards Findings

8.1 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:

8.1.1 Shrink Swell

What is the maximum Shrink-Swell** 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
Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. 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 probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.

8.1.2 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 -consider the potential and consequences of ground movement during excavations, or consequence of changes to loading or drainage. For existing property -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.

8.1.3 Soluble Rocks

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

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 high possibility of localised subsidence occurring naturally or in adverse conditions such as high surface or subsurface water flow. Obtain specialist advice to advise on need for stabilisation work and/or land management plan to maintain stability. Do not dispose of drainage into the ground. For new build - a specialist land stability assessment is necessary. Investigation, remediation and/or mitigation works may be necessary to stabilise the area. Construction work may cause subsidence. Surface drainage must not affect the karst system or groundwater. Increased construction costs are likely. For existing property - increase in insurance risk due to potential soluble rocks hazards. Potential of groundwater pollution.

8.1.4 Compressible Ground

What is the maximum Compressible Ground* 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 compressibility problems. Avoid large differential loadings of ground. Do not drain or de-water ground near the property without technical advice. For new build - consider possibility of compressible ground in ground investigation, construction and building design. Consider effects of groundwater changes. Extra construction costs are likely. For existing property - possible increase in insurance risk from compressibility, especially if water conditions or loading of the ground change significantly.

8.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* 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
Slight possibility for collapsible deposit problems after major changes in loading or groundwater conditions. Normal maintenance to avoid large amounts of water entering the ground through pipe leakage or soak-aways should reduce the likelihood of problems due to collapsible deposits. For new build, assess the possibility of collapsible (loessic) deposits in ground investigation. For existing property, no significant increase in insurance risk from collapsible deposits is likely.

8.1.6 Running Sand

What is the maximum Running Sand** 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
Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build - consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property - no significant increase in insurance risk due to running sand problems is likely.

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

9. Mining

9.1 Coal Mining

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

Database searched and no data found.

9.2 Shallow Mining

What is the subsidence hazard relating to shallow mining on-site*? Low

*Please note this data is searched with a 150m buffer.

9.3 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: enquiries@bgs.ac.uk
Web:www.bgs.ac.uk
BGS Geological Hazards Reports and general geological enquiries

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
https://www.gov.uk/government/organisations/public-health-england
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: Arun District Council
Phone: 01903 737 500
Web: http://www.arun.gov.uk/
Address: Maltavers Road, Littlehampton, West Sussex, BN17 5LF

Gemapping PLC

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

Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England who retain the Copyright and Intellectual Property Rights for the data.

This report has been prepared in accordance with the Groundsure Ltd standard Terms and Conditions of business for work of this nature.

Standard Terms and Conditions

1 Definitions

In 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 (www.Groundsure.com) 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.

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.

Groundsure
LOCATION INTELLIGENCE

Parsons Brinckerhoff

OXFORD HOUSE PARSONS BRINCKERHOFF LTD, OXFORD ROAD,
MANCHESTER, M1 7ED

Groundsure Reference:	GS-2047499
Your Reference:	PO86494
Report Date	29 Apr 2015
Report Delivery Method:	Email - pdf

Groundsure Geoinsight

Address: ARUNDEL,

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Geoinsight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Geoinsight

Groundsure Geoinsight

Address: ARUNDEL,

Date: 29 Apr 2015

Reference: GS-2047499

Client: Parsons Brinckerhoff

Aerial Photograph Capture date: 13-Sep-2012

Grid Reference: 500066,106343

Site Size: 624.09ha

Contents Page

Overview of Findings

The Groundsure Geoinsight provides high quality geo-environmental information that allows geo-environmental professionals and their clients to make informed decisions and be forewarned of potential ground instability problems that may affect the ground investigation, foundation design and possibly remediation options that could lead to possible additional costs.

The report is based on the BGS 1:50,000 Digital Geological Map of Great Britain, BGS Geosure data; BRITPITS database; Shallow Mining data and Borehole Records, Coal Authority data including brine extraction areas, PBA non-coal mining and natural cavities database, Johnson Poole and Bloomer mining data and Groundsure's unique database including historical surface ground and underground workings.

For further details on each dataset, please refer to each individual section in the 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:Geology		
1.1 Artificial Ground	1.1.1 Is there any Artificial Ground/ Made Ground present beneath the study site?	No
	1.1.2 Are there any records relating to permeability of artificial ground within the study site* boundary?	No
1.2 Superficial Geology and Landslips	1.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site?	Yes
	1.2.2 Are there any records relating to permeability of superficial geology within the study site boundary?	Yes
	1.2.3 Are there any records of landslip within 500m of the study site boundary?	Yes
	1.2.4 Are there any records relating to permeability of landslips within the study site boundary?	Yes
1.3 Bedrock, Solid Geology & Faults	1.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	1.3.2 Are there any records relating to permeability of bedrock within the study site boundary?	Yes
	1.3.3 Are there any records of faults within 500m of the study site boundary?	Yes
1.4 Radon data	1.4.1 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 in a Radon Affected Area, as between 5 and 10% of properties are above the Action Level
	1.4.2 Is the property in an area where Radon Protection Measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	Basic radon protective measures are necessary

Section 2:Ground Workings	On-site	0-50m	51-250	251-500	501-1000
2.1 Historical Surface Ground Working Features from Small Scale Mapping	101	10	38	Not Searched	Not Searched
2.2 Historical Underground Workings from Small Scale Mapping	0	0	0	0	0
2.3 Current Ground Workings	7	1	2	3	11

Section 3:Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
3.1 Historical Mining	0	0	0	0	0
3.2 Coal Mining	0	0	0	0	0
3.3 Johnson Poole and Bloomer Mining Area	0	0	0	0	0
3.4 Non-Coal Mining	15	1	7	24	28
3.5 Non-Coal Mining Cavities	0	0	0	0	0
3.6 Natural Cavities	1	0	0	1	0
3.7 Brine Extraction	0	0	0	0	0
3.8 Gypsum Extraction	0	0	0	0	0
3.9 Tin Mining	0	0	0	0	0
3.10 Clay Mining	0	0	0	0	0

Section 4:Natural Ground Subsidence	On-site
4.1 Shrink Swell Clay	Moderate-High
4.2 Landslides	Moderate-High
4.3 Ground Dissolution of Soluble Rocks	Moderate-High
4.4 Compressible Deposits	Moderate-High
4.5 Collapsible Deposits	Low
4.6 Running Sand	Low

Section 5:Borehole Records	On-site	0-50m	51-250
5 BGS Recorded Boreholes	148	19	44

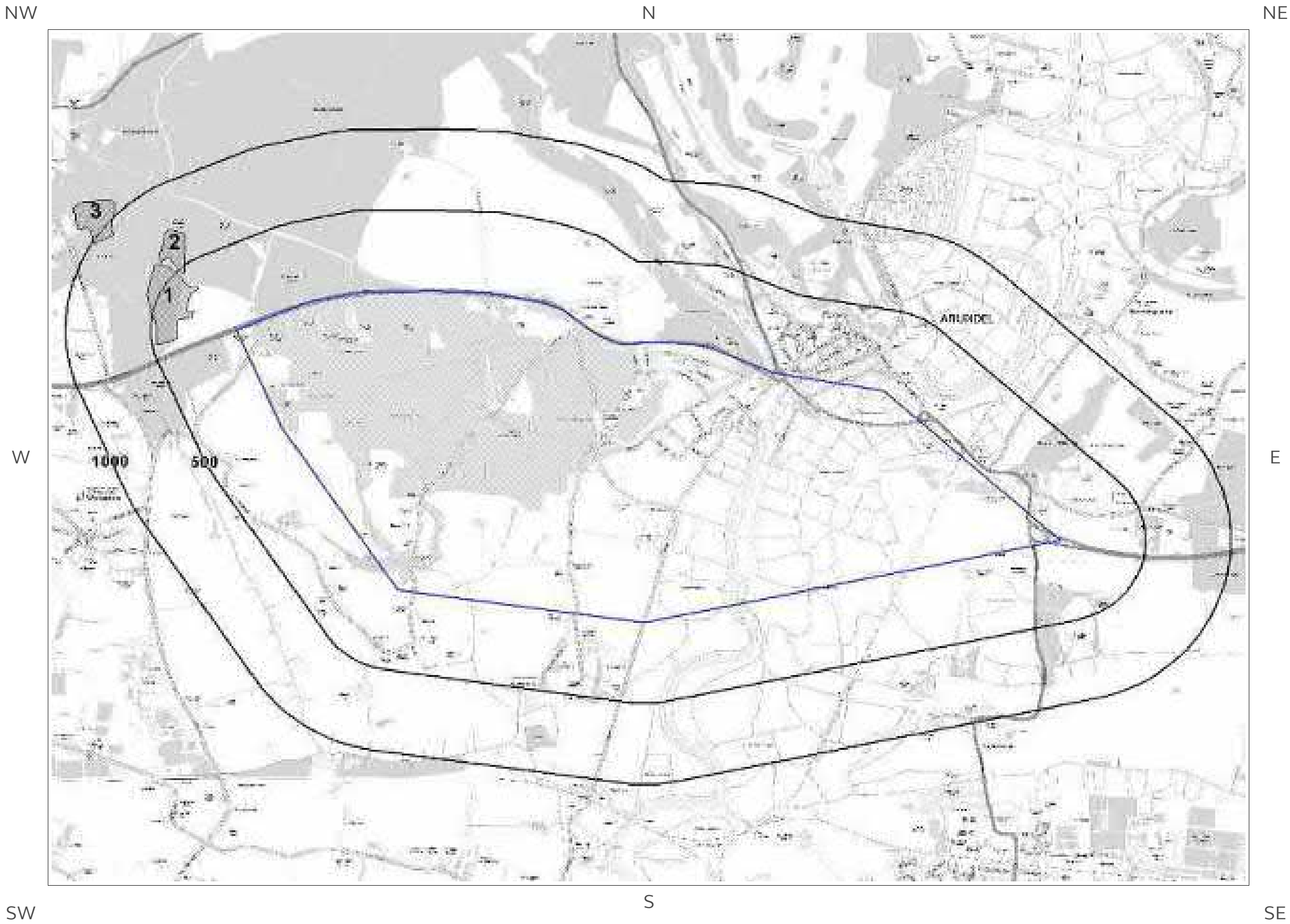
Section 6:Estimated Background Soil Chemistry	On-site	0-50m	51-250
6 Records of Background Soil Chemistry	186	17	69

Section 7:Railways and Tunnels	On-site	0-50m	51-250	251-500
7.1 Tunnels	0	0	0	Not Searched
7.2 Historical Railway and Tunnel Features	14	0	4	Not Searched
7.3 Historical Railways	0	0	0	Not Searched
7.4 Active Railways	5	0	1	Not Searched

Section 7:Railways and Tunnels	On-site	0-50m	51-250	251-500
7.5 Railway Projects	0	0	0	0

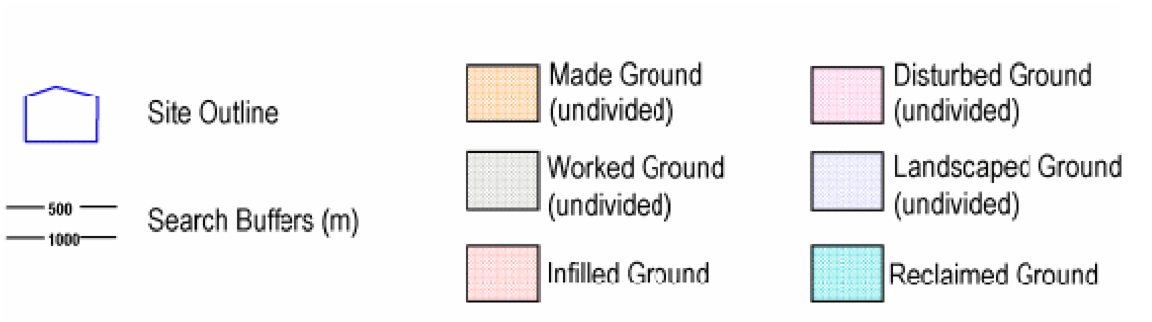
1 Geology

1.1 Artificial Ground Map



Artificial Ground Legend

Mapping sourced from Ordnance Survey



Groundsure
LOCATION INTELLIGENCE

1 Geology

1.1 Artificial Ground

1.1.1Artificial/ Made Ground

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:317

Are there any records of Artificial/Made Ground within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	273.0	NW	WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID
2	470.0	NW	WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID

1.1.2 Permeability of Artificial Ground

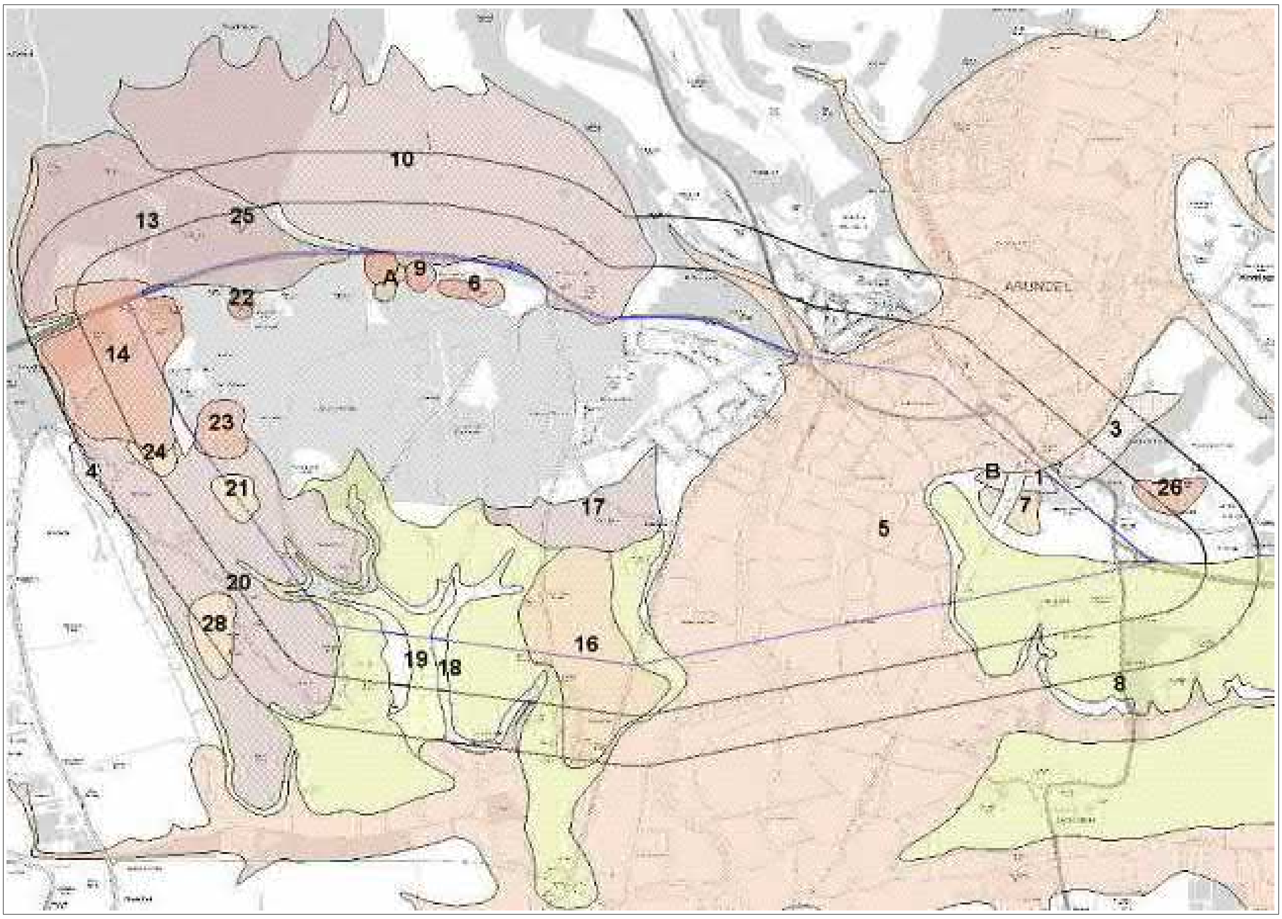
Are there any records relating to permeability of artificial ground within the study site boundary? No

Database searched and no data found.

1.2 Superficial Deposits and Landslips Map

NW N NE

W



E

SW S SE

Superficial Deposits and Landslips Legend

Mapping sourced from Ordnance Survey

Site Outline

500
1000
Search Buffers (m)

1.2 Superficial Deposits and Landslips

1.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
5	0.0	On Site	RMD	RAISED MARINE DEPOSITS	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
6	0.0	On Site	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
7	0.0	On Site	AR4	ARUN TERRACE DEPOSITS, 4 MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
8	0.0	On Site	RBD1	RAISED BEACH DEPOSITS, 1	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
9	0.0	On Site	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
10	0.0	On Site	HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
11A	0.0	On Site	RBD2	RAISED BEACH DEPOSITS, 2	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
12A	0.0	On Site	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
13	0.0	On Site	HEAD	HEAD	GRAVEL, SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
14	0.0	On Site	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
15B	0.0	On Site	AR4	ARUN TERRACE DEPOSITS, 4 MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
16	0.0	On Site	RTDU	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
17	0.0	On Site	HEAD	HEAD	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
18	0.0	On Site	RBD1	RAISED BEACH DEPOSITS, 1	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
19	0.0	On Site	ALV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
20	0.0	On Site	HEAD	HEAD	GRAVEL, SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
21	0.0	On Site	RTDU	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
22	0.0	On Site	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
23	0.0	On Site	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
24	106.0	SW	RTDU	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]
25	150.0	N	RSB1	RAISED STORM BEACH DEPOSITS, 1	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
26	194.0	NE	RSB2	RAISED STORM BEACH DEPOSITS, 2	GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
27	250.0	SW	RBD2	RAISED BEACH DEPOSITS, 2	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
28	304.0	SW	RTDU	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND, SILT AND CLAY [UNLITHIFIED DEPOSITS CODING SCHEME]

1.2.2 Permeability of Superficial Ground

Are there any records relating to permeability of superficial ground within the study site boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Intergranular	Very High	Very High
0.0	On Site	Intergranular	Very High	Very High
0.0	On Site	Intergranular	Very High	Very High
0.0	On Site	Intergranular	High	Low
0.0	On Site	Intergranular	High	Low
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Mixed	High	Very Low
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	Very High
0.0	On Site	Intergranular	Very High	Very High
0.0	On Site	Intergranular	Very High	Very High
0.0	On Site	Intergranular	High	Very Low

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	High	Very Low
0.0	On Site	Mixed	High	Very Low
0.0	On Site	Mixed	High	Very Low
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	High
0.0	On Site	Intergranular	Very High	Low
0.0	On Site	Intergranular	Very High	Low
0.0	On Site	Mixed	High	Very Low

1.2.3 Landslip

Are there any records of Landslip within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	SLIP/STMD	LANDSLIDE DEPOSITS	SANDSTONE AND MUDSTONE
2B	0.0	On Site	SLIP/STMD	LANDSLIDE DEPOSITS	SANDSTONE AND MUDSTONE
3	17.0	NE	SLIP/STMD	LANDSLIDE DEPOSITS	SANDSTONE AND MUDSTONE
4	455.0	SW	SLIP/STMD	LANDSLIDE DEPOSITS	SANDSTONE AND MUDSTONE

This Geology shows the main components as discrete layers, these are: Artificial / Made Ground, Superficial / Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.2.4 Landslip Permeability

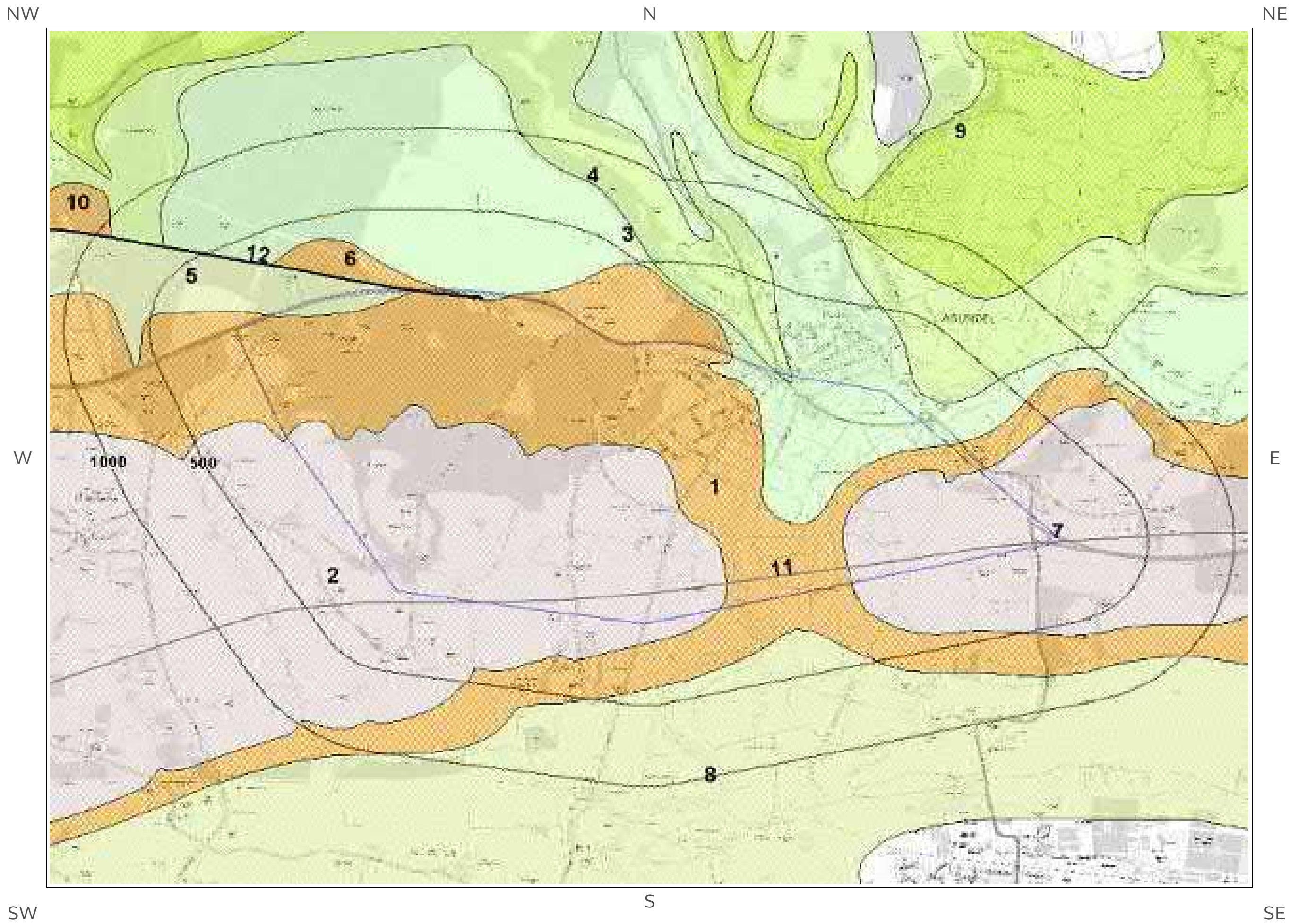
Are there any records relating to permeability of landslips within the study site** boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	High	Low
0.0	On Site	Mixed	High	Low
17.0	NE	Mixed	High	Low

* This includes an automatically generated 50m buffer zone around the site

Groundsure
LOCATION INTELLIGENCE

1.3 Bedrock and Faults Map



Bedrock and Faults Legend

Mapping sourced from Ordnance Survey

Site Outline

Search Buffers (m)

Groundsure
LOCATION INTELLIGENCE

1.3 Bedrock, Solid Geology & Faults

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:317

1.3.1 Bedrock/ Solid Geology

Records of Bedrock/ Solid Geology within 500m of the study site boundary:

ID	Distance (m)	Direction	LEX Code	Description	Rock Age
1	0.0	On Site	LMBE-CLSISA	Lambeth Group - Clay, Silt And Sand	No Details
2	0.0	On Site	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	No Details
3	0.0	On Site	SPCH-CHLK	Spetisbury Chalk Member - Chalk	Campanian
4	0.0	On Site	TACH-CHLK	Tarrant Chalk Member - Chalk	Campanian
5	0.0	On Site	LPCK-CHLK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown C	Campanian / Turonian
6	0.0	On Site	LMBE-CLSISA	Lambeth Group - Clay, Silt And Sand	No Details
7	0.0	On Site	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	No Details
8	212.0	S	LPCK-CHLK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown C	Campanian / Turonian

1.3.2 Permeability of Bedrock Ground

Are there any records relating to permeability of bedrock ground within the study site* boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	Moderate	Very Low
0.0	On Site	Fracture	Very High	Very High
0.0	On Site	Mixed	Moderate	Very Low
0.0	On Site	Mixed	Moderate	Very Low
0.0	On Site	Mixed	Moderate	Very Low
0.0	On Site	Fracture	Very High	Very High
0.0	On Site	Fracture	Very High	Very High
0.0	On Site	Fracture	Very High	Very High
0.0	On Site	Mixed	Moderate	Very Low

* This includes an automatically generated 50m buffer zone around the site

1.3.3 Faults

Are there any records of Faults within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	Category Description	Feature Description
11	0.0	On Site	FOLD_AXIS	Axial plane trace of major syncline
12	0.0	On Site	FAULT	Fault, inferred, displacement unknown

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/ Solid Geology and linear features such as Faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.4 Radon Data

1.4.1 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 in a Radon Affected Area, as between 5 and 10% of properties are above the Action Level

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1.4.2 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? Basic radon protective measures are necessary

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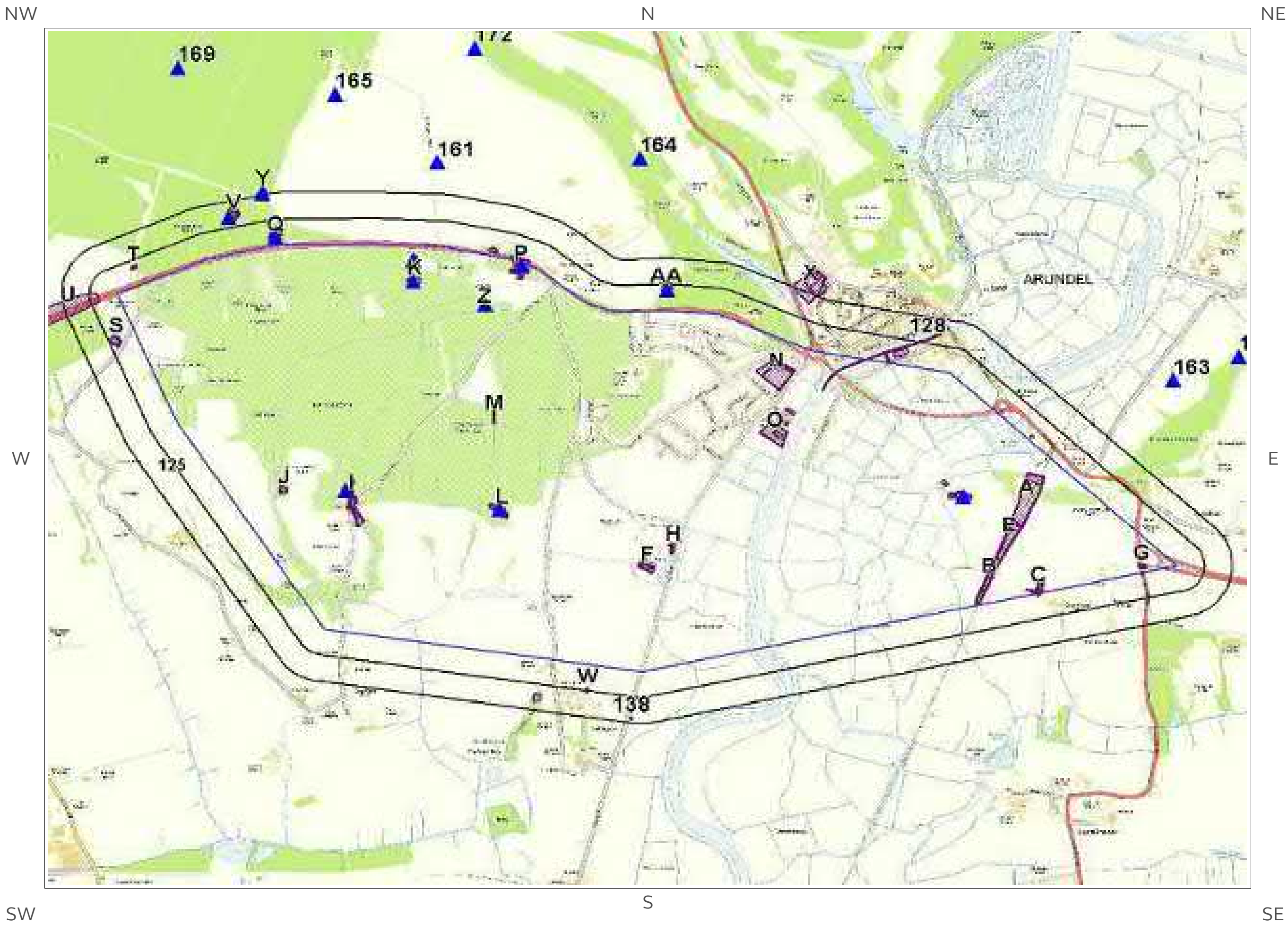
2 Ground Workings Map



Ground Workings Legend

Mapping sourced from Ordnance Survey

Site Outline

Search Buffers (m) 125 250

Historic Surface Ground Workings

Historic Underground Workings

Current Ground Workings

2 Ground Workings

2.1 Historical Surface Ground Working Features derived from Historical Mapping

This dataset is based on Groundsure's unique Historical Land Use Database derived from 1:10,560 and 1:10,000 scale historical mapping.

Are there any Historical Surface Ground Working Features within 250m of the study site boundary? Yes

The following Historical Surface Ground Working Features are provided by Groundsure:

ID	Distance (m)	Direction	NGR	Use	Date
1A	0.0	On Site	502328 106168	Cuttings	1896
2A	0.0	On Site	502302 106100	Cuttings	1946
3A	0.0	On Site	502302 106100	Cuttings	1910
4A	0.0	On Site	502277 106036	Cuttings	1876
5E	0.0	On Site	502250 105990	Cuttings	1896
6B	0.0	On Site	502157 105796	Cuttings	1910
7B	0.0	On Site	502157 105796	Cuttings	1946
8B	0.0	On Site	502144 105770	Cuttings	1896
9C	0.0	On Site	502385 105754	Ponds	1910
10D	0.0	On Site	501984 106187	Unspecified Ground Workings	1957
11C	0.0	On Site	502385 105754	Ponds	1946
12C	0.0	On Site	502382 105760	Ponds	1896
13D	0.0	On Site	502030 106189	Old Gravel Pit	1896
14C	0.0	On Site	502387 105752	Ponds	1876
15E	0.0	On Site	502251 105980	Cuttings	1957
16B	0.0	On Site	502154 105790	Cuttings	1957
17C	0.0	On Site	502385 105751	Ponds	1957
18G	0.0	On Site	502854 105859	Pond	1876
19F	0.0	On Site	500598 105849	Ponds	1876
20F	0.0	On Site	500604 105852	Ponds	1974

ID	Distance (m)	Direction	NGR	Use	Date
21F	0.0	On Site	500601 105855	Ponds	1946
22F	0.0	On Site	500601 105855	Ponds	1910
23F	0.0	On Site	500601 105855	Ponds	1896
24G	0.0	On Site	502856 105861	Pond	1910
25H	0.0	On Site	500720 105945	Pond	1946
26H	0.0	On Site	500720 105945	Pond	1910
27H	0.0	On Site	500722 105947	Pond	1974
28G	0.0	On Site	502856 105861	Pond	1946
29G	0.0	On Site	502856 105861	Pond	1896
30A	0.0	On Site	502333 106175	Cuttings	1974
31A	0.0	On Site	502333 106175	Cuttings	1957
32D	0.0	On Site	502030 106189	Unspecified Pit	1946
33D	0.0	On Site	502030 106189	Unspecified Pit	1910
34D	0.0	On Site	501956 106259	Unspecified Heap	1946
35D	0.0	On Site	501956 106259	Unspecified Heap	1896
36C	0.0	On Site	502393 105768	Pond	1974
37L	0.0	On Site	499938 106125	Unspecified Pit	1876
38I	0.0	On Site	499258 106200	Fish Ponds	1896
39I	0.0	On Site	499257 106185	Fish Pond	1950
40I	0.0	On Site	499257 106185	Fish Pond	1910
41D	0.0	On Site	501956 106259	Unspecified Heap	1910
42I	0.0	On Site	499264 106209	Water Body	1876
43J	0.0	On Site	498952 106221	Unspecified Pit	1896
44J	0.0	On Site	498948 106224	Unspecified Pit	1957
45I	0.0	On Site	499221 106217	Unspecified Pit	1957
46J	0.0	On Site	498950 106226	Unspecified Pit	1950
47I	0.0	On Site	499226 106219	Gravel Pit	1896
48J	0.0	On Site	498949 106229	Unspecified Pit	1910

ID	Distance (m)	Direction	NGR	Use	Date
49R	0.0	On Site	501503 106811	Unspecified Wharfs	1896
50A	0.0	On Site	502277 106036	Cuttings	1876
51G	0.0	On Site	502854 105859	Pond	1876
52F	0.0	On Site	500601 105856	Ponds	1957
53H	0.0	On Site	500720 105941	Pond	1957
54C	0.0	On Site	502387 105752	Ponds	1876
55I	0.0	On Site	499264 106209	Water Body	1876
56F	0.0	On Site	500598 105849	Ponds	1876
57E	0.0	On Site	502219 105914	Cuttings	1974
58B	0.0	On Site	502129 105737	Cuttings	1974
59I	0.0	On Site	499289 106088	Pond	1950
60I	0.0	On Site	499292 106099	Pond	1876
61Z	0.0	On Site	499863 107088	Clay Pit	1896
62K	0.0	On Site	499544 107221	Unspecified Pit	1957
63K	0.0	On Site	499536 107221	Clay Pit	1896
64K	0.0	On Site	499545 107223	Unspecified Pit	1910
65K	0.0	On Site	499545 107223	Unspecified Pit	1950
66P	0.0	On Site	500026 107281	Brick Works	1910
67L	0.0	On Site	499931 106126	Unspecified Pit	1910
68K	0.0	On Site	499542 107325	Unspecified Pit	1950
69K	0.0	On Site	499542 107325	Chalk Pit	1896
70K	0.0	On Site	499542 107325	Unspecified Pits	1910
71K	0.0	On Site	499543 107328	Unspecified Pit	1957
72L	0.0	On Site	499931 106126	Old Gravel Pit	1896
73L	0.0	On Site	499931 106126	Unspecified Pit	1950
74L	0.0	On Site	499930 106125	Unspecified Pit	1957
75I	0.0	On Site	499268 106165	Pond	1990
76I	0.0	On Site	499268 106165	Pond	1977

ID	Distance (m)	Direction	NGR	Use	Date
77M	0.0	On Site	499908 106574	Pond	1990
78M	0.0	On Site	499908 106574	Pond	1977
79N	0.0	On Site	501188 106772	Cemetery	1974
80N	0.0	On Site	501201 106768	Cemetery	1946
81N	0.0	On Site	501201 106768	Cemetery	1910
82N	0.0	On Site	501233 106814	Mortuary	1974
83O	0.0	On Site	501180 106494	Sewage Works	1974
84O	0.0	On Site	501180 106488	Sewage Works	1896
85O	0.0	On Site	501180 106488	Sewage Works	1946
86O	0.0	On Site	501180 106488	Sewage Works	1910
87O	0.0	On Site	501198 106492	Ponds	1946
88O	0.0	On Site	501198 106492	Ponds	1896
89O	0.0	On Site	501198 106492	Ponds	1910
90O	0.0	On Site	501220 106557	Pond	1910
91O	0.0	On Site	501199 106489	Ponds	1957
92N	0.0	On Site	501201 106799	Cemetery	1957
93I	0.0	On Site	499259 106182	Fish Pond	1957
94P	0.0	On Site	500027 107289	Brick Yard	1876
95O	0.0	On Site	501255 106598	Ponds	1876
96L	0.0	On Site	499938 106125	Unspecified Pit	1876
97I	0.0	On Site	499292 106099	Pond	1876
98I	0.0	On Site	499289 106088	Fish Pond	1896
99I	0.0	On Site	499289 106088	Fish Pond	1910
100P	0.0	On Site	500027 107289	Brick Yard	1876
101O	0.0	On Site	501255 106598	Ponds	1876
102Q	8.0	N	498918 107433	Unspecified Pit	1910
103Q	8.0	N	498918 107433	Unspecified Pit	1950
104Q	12.0	N	498904 107430	Gravel Pit	1896

ID	Distance (m)	Direction	NGR	Use	Date
105Q	12.0	N	498918 107435	Unspecified Pit	1957
106P	15.0	N	499904 107370	Unspecified Pit	1957
107P	18.0	N	499904 107372	Unspecified Pit	1910
108P	18.0	N	499904 107372	Unspecified Pit	1950
109Q	25.0	N	498903 107444	Unspecified Pits	1876
110Q	25.0	N	498903 107444	Unspecified Pits	1876
111R	35.0	N	501758 106883	Unspecified Pit	1896
112S	74.0	SW	498189 106944	Pond	1876
113S	74.0	SW	498189 106944	Pond	1876
114AA	75.0	N	500694 107186	Old Gravel Pit	1896
115T	78.0	N	498266 107289	Unspecified Pit	1957
116S	78.0	SW	498186 106933	Pond	1977
117S	78.0	SW	498186 106933	Pond	1990
118S	78.0	SW	498186 106933	Pond	1957
119T	79.0	N	498266 107288	Unspecified Pit	1910
120T	79.0	N	498266 107288	Unspecified Pit	1950
121T	83.0	N	498273 107296	Unspecified Pit	1876
122T	83.0	N	498273 107296	Unspecified Pit	1876
123S	84.0	SW	498182 106937	Pond	1910
124S	84.0	SW	498182 106937	Pond	1896
125S	84.0	SW	498182 106937	Pond	1950
126U	86.0	SW	497942 107071	Cuttings	1977
127U	86.0	SW	497942 107071	Cuttings	1990
128	104.0	N	501876 106949	Unspecified Wharf	1896
129W	112.0	S	500332 105265	Pool	1974
130V	143.0	N	498721 107536	Unspecified Pit	1957
131V	144.0	N	498722 107540	Gravel Pit	1950
132V	153.0	N	498722 107532	Gravel Pit	1910

ID	Distance (m)	Direction	NGR	Use	Date
133V	155.0	N	498694 107523	Old Gravel Pit	1896
134V	163.0	N	498709 107533	Unspecified Pit	1876
135V	163.0	N	498709 107533	Unspecified Pit	1876
136W	170.0	S	500104 105230	Ponds	1974
137X	201.0	N	501341 107194	Cemetery	1974
138	223.0	S	500529 105131	Filter Bed	1974
139X	238.0	N	501367 107205	Cemetery	1957
140V	239.0	N	498852 107645	Unspecified Pit	1950
141V	239.0	N	498845 107641	Old Gravel Pit	1896
142V	239.0	N	498845 107641	Unspecified Pit	1910
143X	241.0	N	501382 107200	Burial Ground	1876
144X	241.0	N	501382 107200	Burial Ground	1876
145V	241.0	N	498850 107647	Unspecified Pit	1957
146X	245.0	N	501363 107212	Cemetery	1910
147X	245.0	N	501363 107212	Cemetery	1946
148Y	248.0	N	498856 107650	Unspecified Pit	1876
149Y	248.0	N	498856 107650	Unspecified Pit	1876

2.2 Historical Underground Working Features derived from Historical Mapping

This data is derived from the Groundsure unique Historical Land Use Database. It contains data derived from 1:10,000 and 1:10,560 historical Ordnance Survey Mapping and includes some natural topographical features (Shake Holes for example) as well as manmade features that may have implications for ground stability. Underground and mining features have been identified from surface features such as shafts. The distance that these extend underground is not shown.

Are there any Historical Underground Working Features within 1000m of the study site boundary? No

Database searched and no data found.

2.3 Current Ground Workings

This dataset is derived from the BGS BRITPITS database covering active; inactive mines; quarries; oil wells; gas wells and mineral wharves; and rail deposits throughout the British Isles.

Are there any BGS Current Ground Workings within 1000m of the study site boundary? Yes

The following Current Ground Workings information is provided by British Geological Survey:

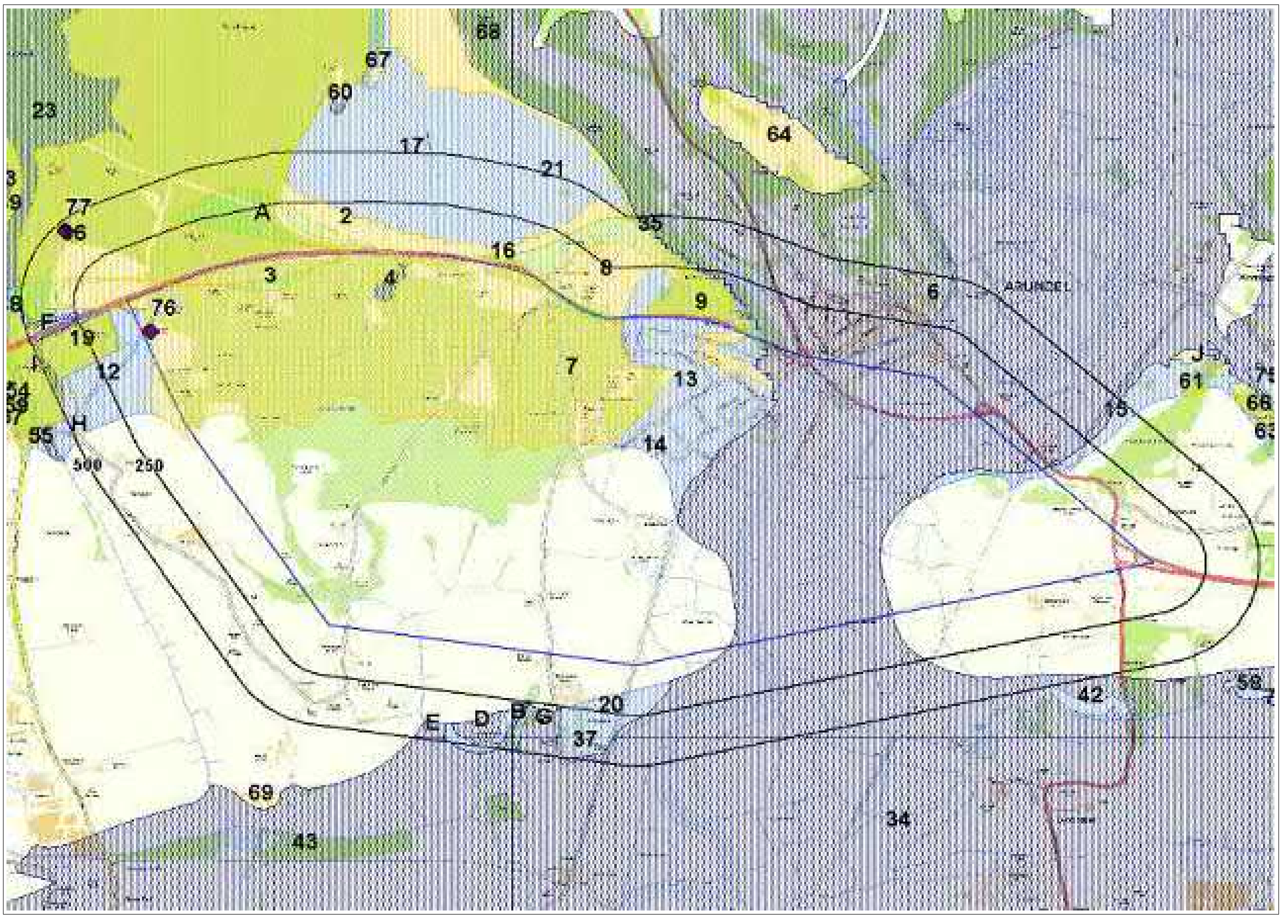
ID	Distance (m)	Direction	NGR	Commodity Produced	Pit Name	Type of working	Status
150P	0.0	On Site	500033 107300	Clay & Shale	Crossbush Brick Yard	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
151K	0.0	On Site	499537 107327	Chalk	Park Farm Cottages Chalk Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
152K	0.0	On Site	499539 107223	Clay & Shale	Park Farm Cottages Clay Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
153I	0.0	On Site	499233 106223	Sand & Gravel	Binsted House Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
154Z	0.0	On Site	499867 107110	Clay & Shale	Park Farm Cottages Clay Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
155L	0.0	On Site	499931 106132	Sand & Gravel	Binsted House Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
156D	0.0	On Site	502040 106191	Sand & Gravel	Arundel Station Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
157Q	39.0	N	498911 107434	Sand & Gravel	Goblestubb's Copse Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
158AA	100.0	N	500694 107186	Sand & Gravel	The Waterwoods Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
159V	174.0	N	498698 107528	Sand & Gravel	Goblestubb's Copse Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
160Y	257.0	N	498853 107645	Sand & Gravel	Goblestubb's Copse Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
161	400.0	N	499648 107792	Chalk	Park Farm Cottages Chalk Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	455.0	W	497750 107270	Sand & Gravel	Slindon Common	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
163	646.0	NE	502993 106748	Sand & Gravel	Warningcamp Gravel Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
164	703.0	NE	500571 107812	Chalk	Parkbottom Barn Chalk Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
165	716.0	N	499185 108117	Chalk	Rewell Barn Chalk Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased

ID	Distance (m)	Direction	NGR	Commodity Produced	Pit Name	Type of working	Status
Not shown	758.0	W	497472 107398	Sand & Gravel	Danes Wood Gravel Pits	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	833.0	W	497417 107468	Sand & Gravel	Danes Wood Gravel Pits	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	856.0	NW	497857 107952	Chalk	Madehurst Wood Chalk Pits	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
169	922.0	N	498470 108245	Flint	Spur Street	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
170	928.0	NE	503293 106859	Chalk	Warningcamp	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	952.0	NW	497820 108041	Chalk	Madehurst Wood Chalk Pits	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
172	961.0	N	499821 108340	Chalk	Screen Wood Chalk Pit	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased
Not shown	975.0	NW	497405 107740	Sand & Gravel	Slindon Common	A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Ceased

3 Mining, Extraction & Natural Cavities Map

NW N NE

W



E

SW S SE

Mining, Extraction and Natural Cavities Legend

Mapping sourced from Ordnance Survey

3 Mining, Extraction & Natural Cavities

3.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? No

The following information provided by JPB is not represented on mapping: Database searched and no data found.

3.4 Non-Coal Mining

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? Yes

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

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
1C	0.0	On Site	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
2	0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
3	0.0	On Site	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
4	0.0	On Site	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
5A	0.0	On Site	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
6	0.0	On Site	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
7	0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
8	0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
9	0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
10	0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
11	0.0	On Site	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
12	0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
13	0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
14	0.0	On Site	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
15	0.0	On Site	Not available	Chalk	Rare and localised small scale mining may have occurred.
16	27.0	N	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
17	59.0	N	Not available	Chalk	Rare and localised small scale mining may have occurred.
18	68.0	N	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
19	102.0	SW	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
20	111.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
21	121.0	N	Not available	Chalk	Rare and localised small scale mining may have occurred.
22A	150.0	N	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
23	250.0	SW	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
24B	254.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
25B	255.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
26G	257.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
27B	266.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
28F	271.0	W	Not available	Chalk	Rare and localised small scale mining may have occurred.
29B	293.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
30D	300.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
31C	318.0	W	Not available	Chalk	Rare and localised small scale mining may have occurred.
32C	334.0	W	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
33D	350.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
34	355.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
35	365.0	N	Not available	Chalk	Rare and localised small scale mining may have occurred.
36	365.0	NW	Not available	Chalk	Rare and localised small scale mining may have occurred.
37	365.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
38E	400.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
39E	407.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
40F	411.0	W	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
41G	427.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
42	432.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
43	433.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
44D	437.0	S	Not available	Chalk	Rare and localised small scale mining may have occurred.
45D	443.0	S	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
46I	449.0	W	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
47H	450.0	SW	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
48	531.0	W	Not available	Chalk	Rare and localised small scale mining may have occurred.
49	584.0	W	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
50H	593.0	SW	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
51I	604.0	SW	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
Not shown	623.0	W	Not available	Chalk	Rare and localised small scale mining may have occurred.
53	632.0	W	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
54	635.0	W	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
55	642.0	SW	Not available	Chalk	Rare and localised small scale mining may have occurred.
Not shown	671.0	SW	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
57	676.0	SW	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
58	677.0	SE	Not available	Chalk	Rare and localised small scale mining may have occurred.
59	677.0	SW	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
60	690.0	N	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
61	698.0	NE	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
Not shown	735.0	W	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
63	762.0	NE	Not available	Chalk	Rare and localised small scale mining may have occurred.
64	767.0	N	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
65J	811.0	NE	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
66	811.0	NE	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
67	822.0	N	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
68	843.0	N	Not available	Chalk	Occasional minor mining may have occurred but of restricted extent.
69	853.0	S	Not available	Chalk	Small scale mining may have occurred but restricted in extent.
70J	874.0	NE	Not available	Chalk	Rare and localised small scale mining may have occurred.
71	897.0	SE	Not available	Chalk	Rare and localised small scale mining may have occurred.

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
Not shown	916.0	NW	Not available	Chalk	Underground mining is known or considered likely to have occurred within or close to the area. The location extent and nature of past mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
Not shown	932.0	W	Not available	Chalk	Rare and localised small scale mining may have occurred.
74J	965.0	NE	Not available	Chalk	Rare and localised small scale mining may have occurred.
75	975.0	NE	Not available	Chalk	Rare and localised small scale mining may have occurred.

3.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled "Review of mining instability in Great Britain, 1990" PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.6 Natural Cavities

This dataset provides information based on Peter Brett Associates natural cavities database.

Are there any Natural Cavities within 1000m of the study site boundary? Yes

The following Natural Cavities information provided by Peter Brett Associates:

ID	Distance (m)	Direction	NGR	Superficial Deposits	Bedrock Deposits	Cavity Type and Number
76	0.0	On Site	498300 107000	-	Chalk Group, Lambeth Group	Sinkhole x 1, Solution Pipe x 1
77	445.0	NW	497900 107500	-	Chalk Group, Lambeth Group	Solution Pipe x 3

3.7 Brine Extraction

This data provides information from the Coal Authority issued on behalf of the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.9 Tin Mining

This dataset provides information on tin mining areas and is derived from tin mining records. This search is based upon postcode information to a sector level.

Are there any Tin Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.10 Clay Mining

This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

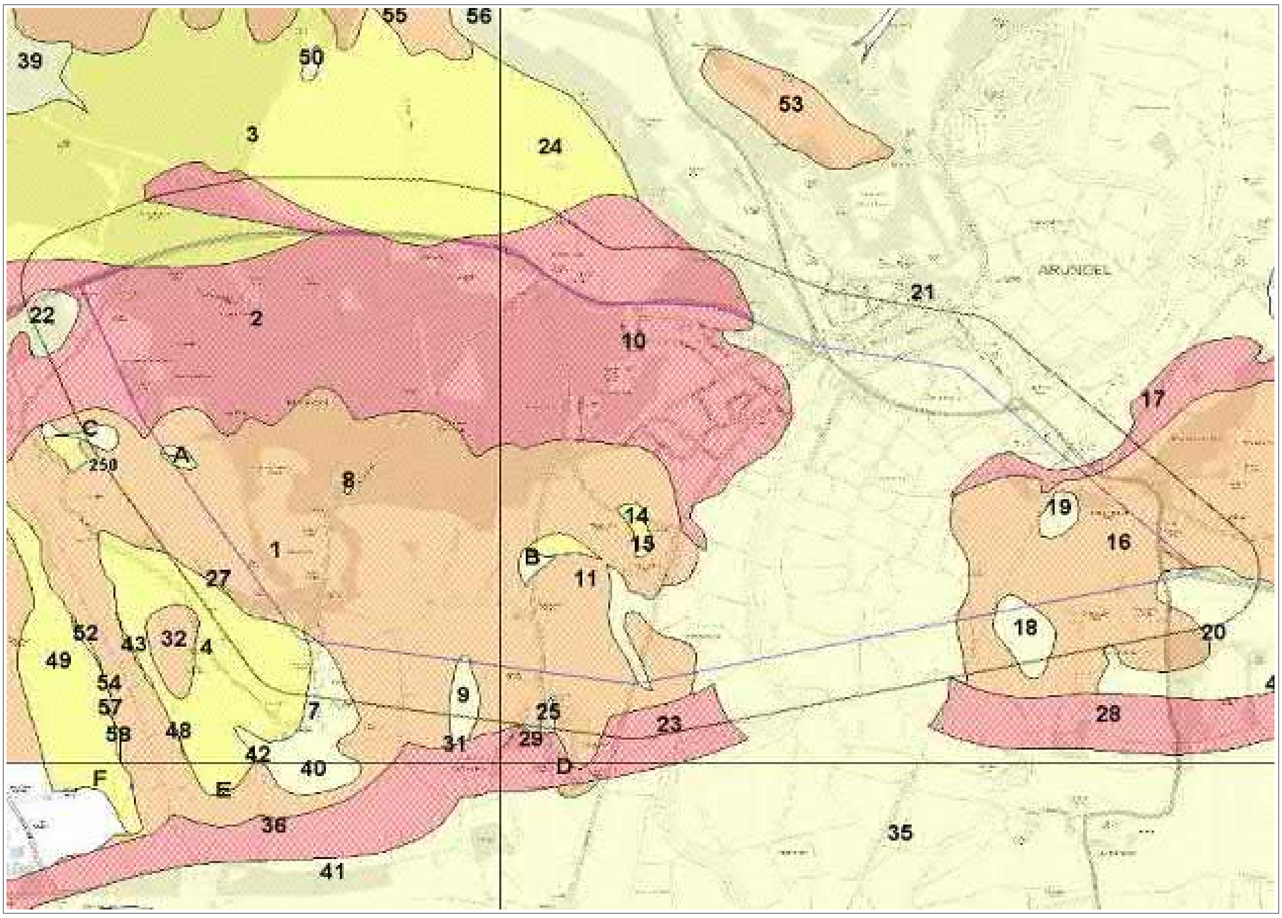
Are there any Clay Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

Groundsure
LOCATION INTELLIGENCE

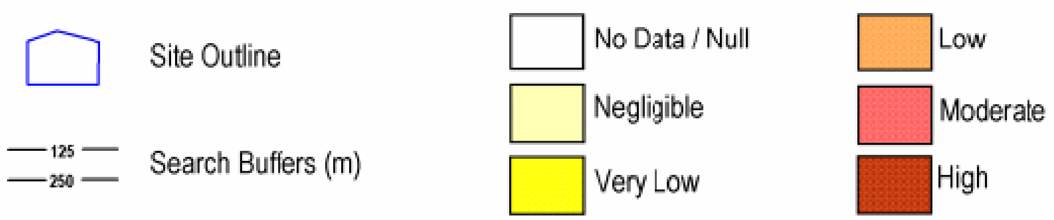
4 Natural Ground Subsidence

4.1 Shrink-Swell Clay Map



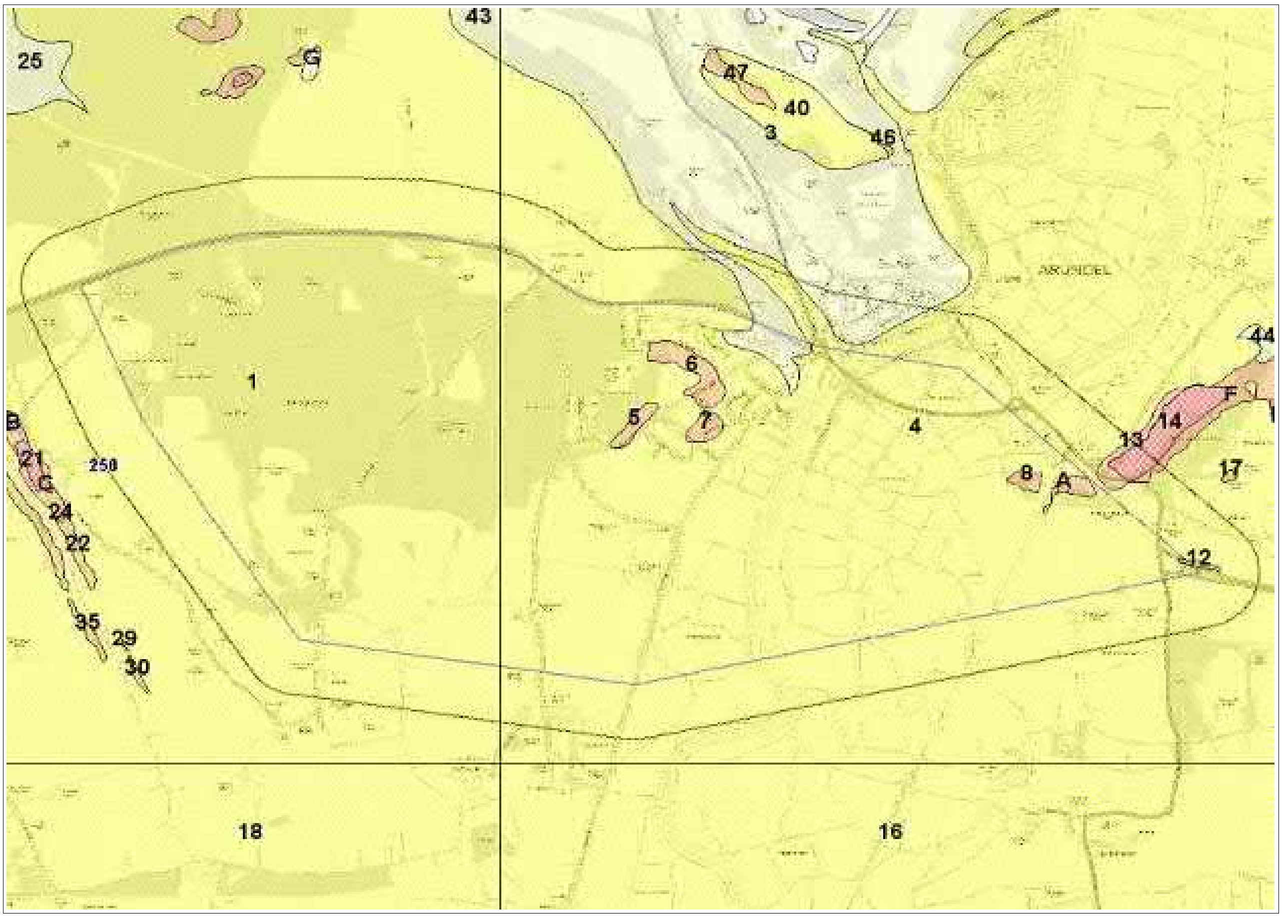
Shrink Swell Clay Legend

Mapping sourced from Ordnance Survey



4.2 Landslides Map

NW N NE

W  E

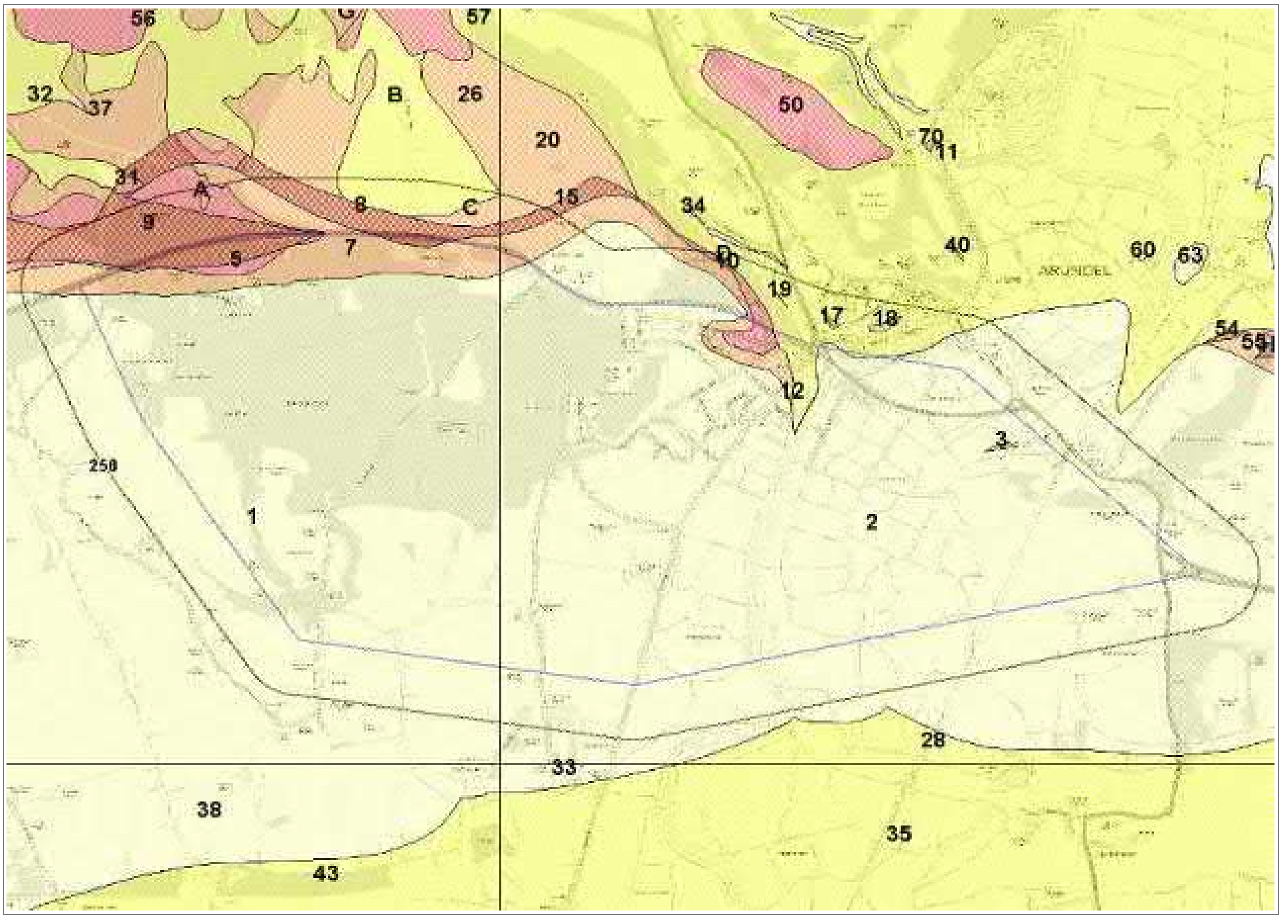
SW S SE

Landslides Legend

4.3 Ground Dissolution Soluble Rocks Map

NW N NE

W

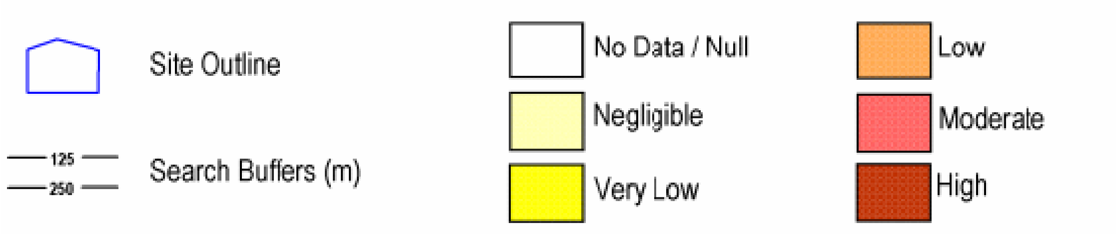


E

SW S SE

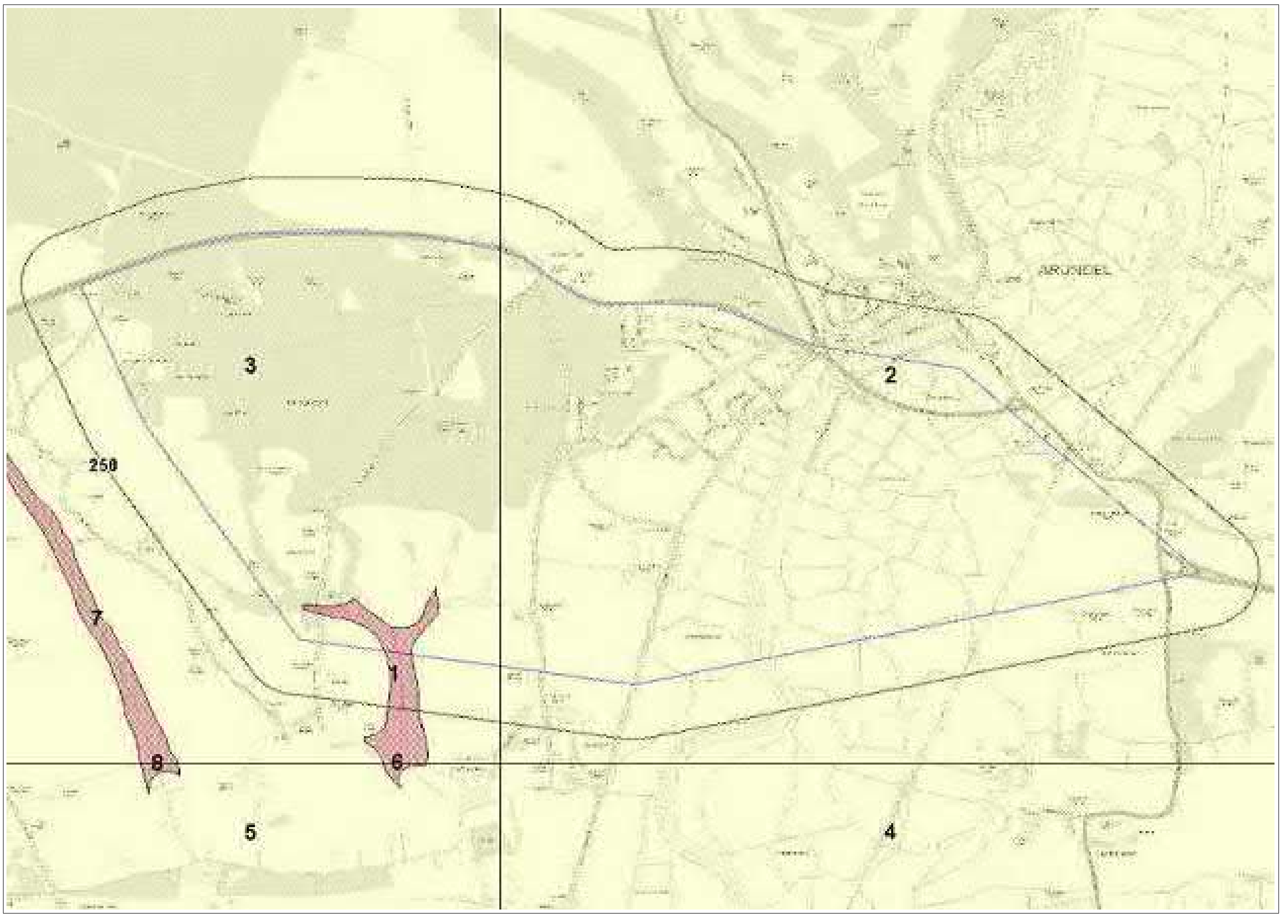
Ground Dissolution Soluble Rocks Legend

Mapping sourced from Ordnance Survey



4.4 Compressible Deposits Map

NW N NE



W E

SW S SE

Compressible Deposits Legend

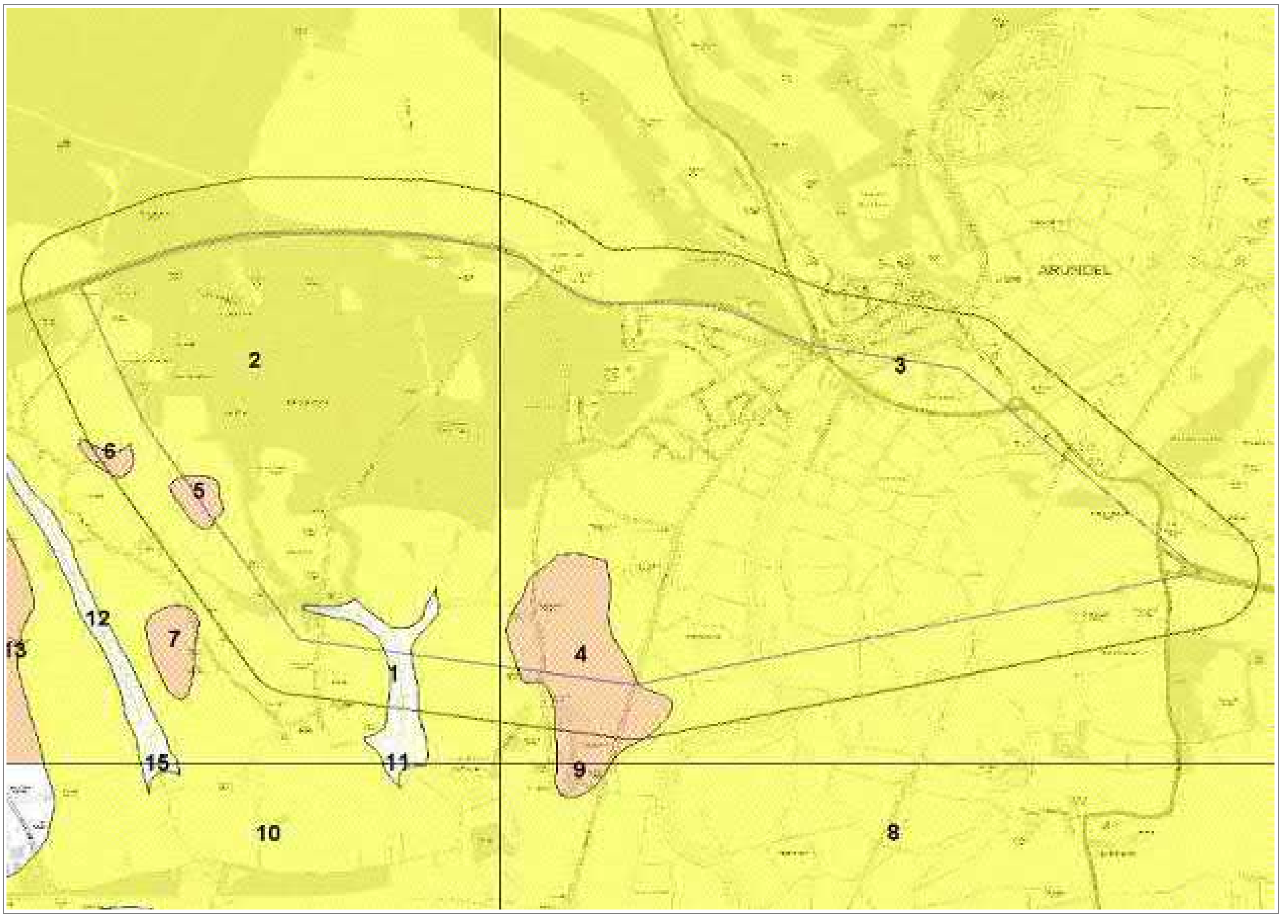
Mapping sourced from Ordnance Survey

Site Outline	No Data / Null	Low
Search Buffers (m) 125 250	Negligible	Moderate
	Very Low	High

4.5 Collapsible Deposits Map

NW N NE

W E



SW S SE

Collapsible Deposits Legend

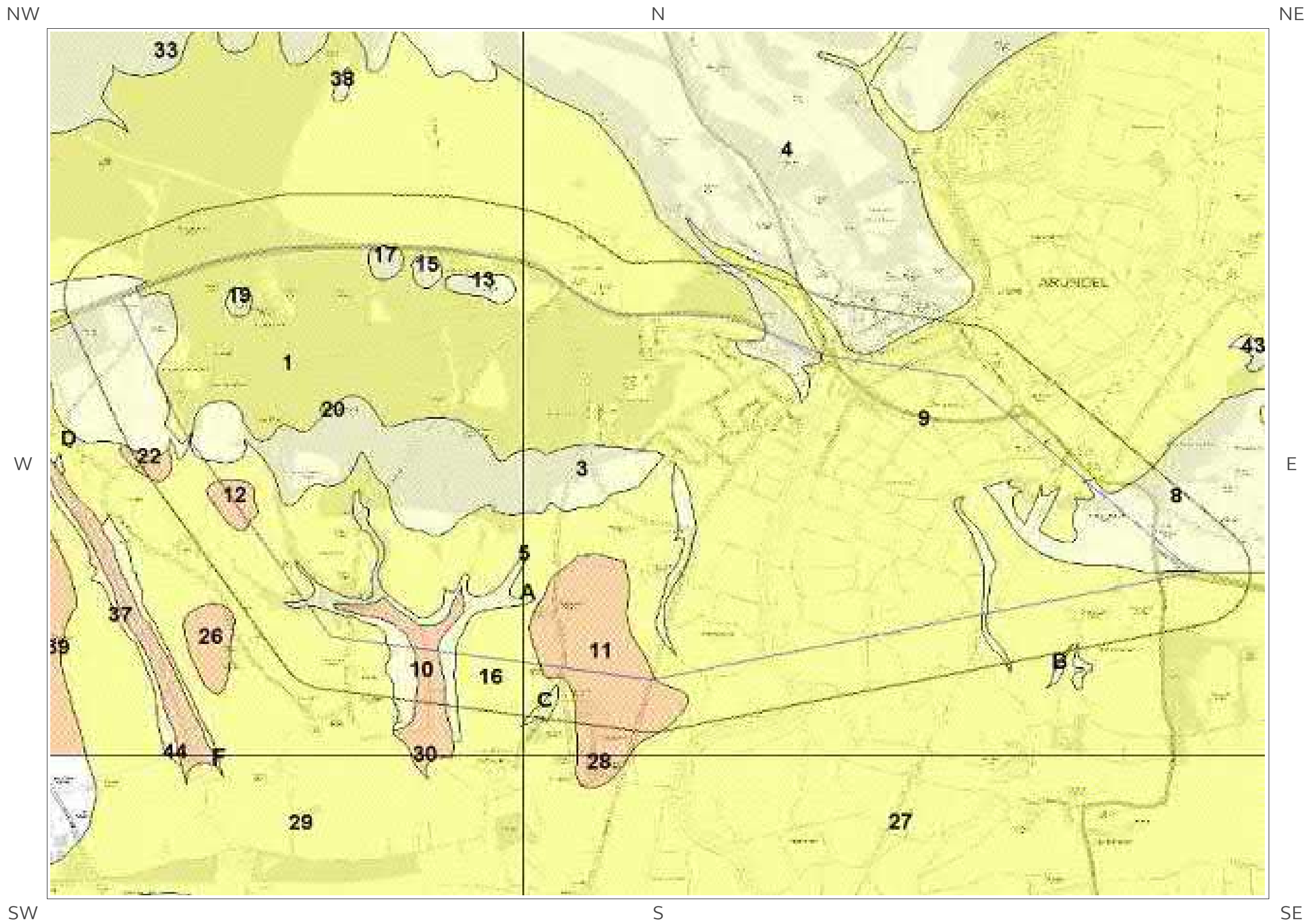
Mapping sourced from Ordnance Survey

Site Outline

125
250
Search Buffers (m)

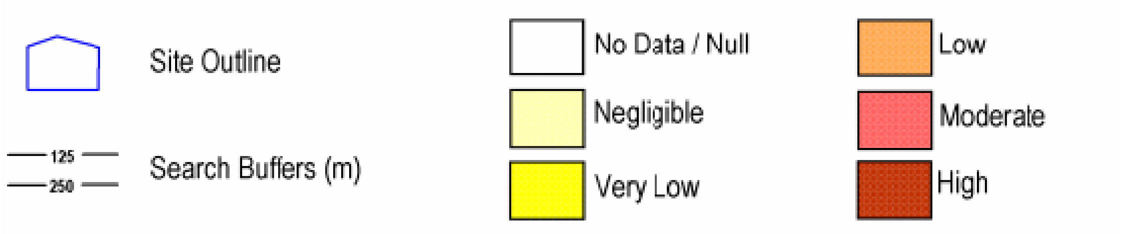
No Data / Null
Negligible
Very Low
Low
Moderate
High

4.6 Running Sand Map



Running Sand Legend

Mapping sourced from Ordnance Survey



4 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site** boundary? Moderate-High

4.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Low	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.
2	0.0	On Site	Moderate-High-Moderate-High	Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. 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 probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.
3	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
4	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
5A	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
6A	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
7	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

* This includes an automatically generated 50m buffer zone around the site

ID	Distance (m)	Direction	Hazard Rating	Details
8	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
9	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
10	0.0	On Site	Moderate-High-Moderate-High	Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. 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 probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.
11	0.0	On Site	Low	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.
12B	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
13B	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
14	0.0	On Site	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
15	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
16	0.0	On Site	Low	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.
17	0.0	On Site	Moderate-High-Moderate-High	Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. 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 probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.
18	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
19	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

ID	Distance (m)	Direction	Hazard Rating	Details
20	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
21	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.
22	33.0	SW	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

4.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.
2A	0.0	On Site	Moderate-High	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 cut or place material on slopes without technical advice. For new build, consider the potential and consequences of ground movement during excavations, or consequence of changes to loading or drainage. For existing property, 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.
3	0.0	On Site	Negligible	No indicators for slope instability identified. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.
4	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.
5	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
6	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
7	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.

ID	Distance (m)	Direction	Hazard Rating	Details
8	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
9A	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
10A	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
11A	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
12	0.0	On Site	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.
13	17.0	NE	Low	Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to the ground, such as drainage or excavations, take place. Possible increase in construction cost to reduce potential slope stability problems. For existing property, no significant increase in insurance risk due to natural slope instability problems.

4.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.
2	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.
3	0.0	On Site	Very Low	Significant soluble rocks are present. Problems unlikely except with considerable surface or subsurface water flow. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, or increased construction costs are likely. An increase in financial risk due to potential problems with soluble rocks is unlikely.

ID	Distance (m)	Direction	Hazard Rating	Details
4	0.0	On Site	Moderate-High	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, specialist site investigation and stability assessment may be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property, probable increase in insurance risk due to soluble rocks.
5	0.0	On Site	Moderate-High	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, specialist site investigation and stability assessment may be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property, probable increase in insurance risk due to soluble rocks.
6A	0.0	On Site	Moderate-High	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, specialist site investigation and stability assessment may be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property, probable increase in insurance risk due to soluble rocks.
7	0.0	On Site	Low	Significant soluble rocks are present. Low possibility of subsidence occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow. Consider implications for stability when changes to drainage or new construction are planned. For new build, site investigation should consider potential for dissolution problems on the site and its surroundings. Care should be taken with local drainage into the bedrock. Some possibility groundwater pollution. For existing property, possible increase in insurance risk due to soluble rocks.
8	0.0	On Site	Moderate-High	Very significant soluble rocks are present, with a high possibility of localised subsidence occurring naturally or in adverse conditions such as high surface or subsurface water flow. Obtain specialist advice to advise on need for stabilisation work and/or land management plan to maintain stability. Do not dispose of drainage into the ground. For new build - a specialist land stability assessment is necessary. Investigation, remediation and/or mitigation works may be necessary to stabilise the area. Construction work may cause subsidence. Surface drainage must not affect the karst system or groundwater. Increased construction costs are likely. For existing property - increase in insurance risk due to potential soluble rocks hazards. Potential of groundwater pollution.
9	0.0	On Site	Moderate-High	Very significant soluble rocks are present, with a high possibility of localised subsidence occurring naturally or in adverse conditions such as high surface or subsurface water flow. Obtain specialist advice to advise on need for stabilisation work and/or land management plan to maintain stability. Do not dispose of drainage into the ground. For new build - a specialist land stability assessment is necessary. Investigation, remediation and/or mitigation works may be necessary to stabilise the area. Construction work may cause subsidence. Surface drainage must not affect the karst system or groundwater. Increased construction costs are likely. For existing property - increase in insurance risk due to potential soluble rocks hazards. Potential of groundwater pollution.
10	0.0	On Site	Low	Significant soluble rocks are present. Low possibility of subsidence occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow. Consider implications for stability when changes to drainage or new construction are planned. For new build, site investigation should consider potential for dissolution problems on the site and its surroundings. Care should be taken with local drainage into the bedrock. Some possibility groundwater pollution. For existing property, possible increase in insurance risk due to soluble rocks.

ID	Distance (m)	Direction	Hazard Rating	Details
11	0.0	On Site	Very Low	Significant soluble rocks are present. Problems unlikely except with considerable surface or subsurface water flow. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, or increased construction costs are likely. An increase in financial risk due to potential problems with soluble rocks is unlikely.
12	0.0	On Site	Moderate-High	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, specialist site investigation and stability assessment may be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property, probable increase in insurance risk due to soluble rocks.
13	0.0	On Site	Moderate-High	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, specialist site investigation and stability assessment may be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property, probable increase in insurance risk due to soluble rocks.

4.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Moderate-High	Significant potential for compressibility problems. Do not drain, load or de-water ground near the property without technical advice. For new build, consider possibility of compressible ground in ground investigation, construction and building design. Consider effects of groundwater changes. Extra construction costs are likely. For existing property, possible increase in insurance risk from compressibility, especially if water conditions or loading of the ground change significantly.
2	0.0	On Site	Negligible	No indicators for compressible ground identified. No special actions required to avoid problems due to compressible ground. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible ground.
3	0.0	On Site	Negligible	No indicators for compressible ground identified. No special actions required to avoid problems due to compressible ground. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible ground.

4.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for collapsible deposits identified. No actions required to avoid problems due to collapsible deposits. No special ground investigation required, or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

ID	Distance (m)	Direction	Hazard Rating	Details
2	0.0	On Site	Very Low	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.
3	0.0	On Site	Very Low	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.
4	0.0	On Site	Low	Slight possibility for collapsible deposit problems after major changes in loading or groundwater conditions. Normal maintenance to avoid large amounts of water entering the ground through pipe leakage or soak-aways should reduce the likelihood of problems due to collapsible deposits. For new build, assess the possibility of collapsible (loessic) deposits in ground investigation. For existing property, no significant increase in insurance risk from collapsible deposits is likely.
5	0.0	On Site	Low	Slight possibility for collapsible deposit problems after major changes in loading or groundwater conditions. Normal maintenance to avoid large amounts of water entering the ground through pipe leakage or soak-aways should reduce the likelihood of problems due to collapsible deposits. For new build, assess the possibility of collapsible (loessic) deposits in ground investigation. For existing property, no significant increase in insurance risk from collapsible deposits is likely.

4.6 Running Sands

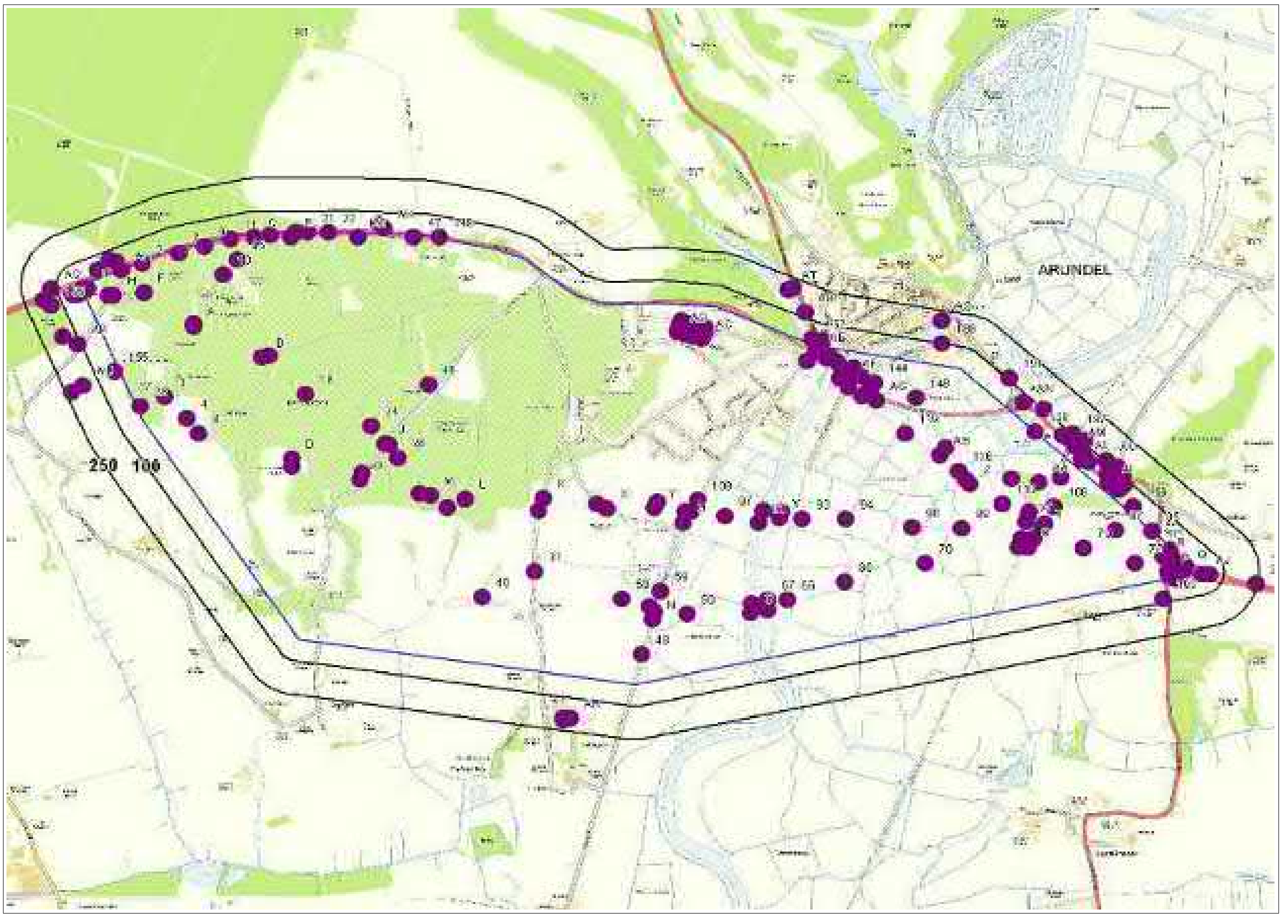
The following Running Sands information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	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.
2A	0.0	On Site	Negligible	No indicators for running sand identified. 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.
3	0.0	On Site	Negligible	No indicators for running sand identified. 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.
4	0.0	On Site	Negligible	No indicators for running sand identified. 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.
5	0.0	On Site	Negligible	No indicators for running sand identified. 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.
6	0.0	On Site	Negligible	No indicators for running sand identified. 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.
7	0.0	On Site	Negligible	No indicators for running sand identified. 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.
8	0.0	On Site	Negligible	No indicators for running sand identified. 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.

ID	Distance (m)	Direction	Hazard Rating	Details
9	0.0	On Site	Very Low	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.
10	0.0	On Site	Low	Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build, consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property, no significant increase in insurance risk due to running sand problems is likely.
11	0.0	On Site	Low	Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build, consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property, no significant increase in insurance risk due to running sand problems is likely.
12	0.0	On Site	Low	Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build, consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property, no significant increase in insurance risk due to running sand problems is likely.
13	0.0	On Site	Negligible	No indicators for running sand identified. 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.
14A	0.0	On Site	Very Low	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.
15	0.0	On Site	Negligible	No indicators for running sand identified. 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.
16	0.0	On Site	Very Low	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.
17	0.0	On Site	Negligible	No indicators for running sand identified. 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.
18	0.0	On Site	Negligible	No indicators for running sand identified. 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.
19	0.0	On Site	Negligible	No indicators for running sand identified. 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.

ID	Distance (m)	Direction	Hazard Rating	Details
20	0.0	On Site	Negligible	No indicators for running sand identified. 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.

5 Borehole Records Map



Borehole Records Legend

Mapping sourced from Ordnance Survey

Site Outline

Borehole Locations

125
250
Search Buffers (m)

Groundsure
LOCATION INTELLIGENCE

5 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary: 211

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1F	0.0	On Site	498468 107128	SU90NE140	3.0	A27 ARUNDEL BYPASS
2	0.0	On Site	498460 107260	SU90NE5	5.0	A27 FOLKSTONE HONITON ARUNDEL SUSSEX
3	0.0	On Site	498558 106655	SU90NE130	6.0	A27 ARUNDEL BYPASS
4	0.0	On Site	498654 106556	SU90NE131	6.0	A27 ARUNDEL BYPASS
5A	0.0	On Site	498683 106977	SU90NE118	6.0	A27 ARUNDEL BYPASS
6A	0.0	On Site	498683 106988	SU90NE142	2.0	A27 ARUNDEL BYPASS
7	0.0	On Site	498620 107310	SU90NE6	3.0	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 3
8	0.0	On Site	498703 106490	SU90NE103	6.5	A27 ARUNDEL BYPASS
9	0.0	On Site	498730 107340	SU90NE7	3.0	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 4
10	0.0	On Site	498810 107210	SU90NE19	45.72	CAMPING SITE BUNSTEAD TORTINGTON SUSSEX
11	0.0	On Site	498840 107370	SU90NE8	3.0	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 5
12B	0.0	On Site	498974 106837	SU90NE119	14.0	A27 ARUNDEL BYPASS
13B	0.0	On Site	499006 106843	SU90NE120	12.0	A27 ARUNDEL BYPASS
14C	0.0	On Site	498940 107380	SU90NE9	5.0	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 6
15C	0.0	On Site	499010 107390	SU90NE10	6.1	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 9
16D	0.0	On Site	499105 106375	SU90NE137	3.0	A27 ARUNDEL BYPASS
17D	0.0	On Site	499103 106339	SU90NE104	8.0	A27 ARUNDEL BYPASS
18	0.0	On Site	499164 106667	SU90NE121	6.0	A27 ARUNDEL BYPASS
19E	0.0	On Site	499100 107380	SU90NE11	12.2	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 11
20E	0.0	On Site	499120 107400	SU90NE12	13.1	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 11A
21	0.0	On Site	499170 107400	SU90NE13	5.0	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 12
22	0.0	On Site	499260 107400	SU90NE14	4.0	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 13
23	0.0	On Site	499390 107380	SU90NE15	3.0	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 14

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
24	0.0	On Site	499443 106526	SU90NE122	8.0	A27 ARUNDEL BYPASS
25G	0.0	On Site	499398 106283	SU90NE105	12.0	A27 ARUNDEL BYPASS
26F	0.0	On Site	498467 107129	SU90NE117	6.0	A27 ARUNDEL BYPASS
27G	0.0	On Site	499407 106312	SU90NE138	2.0	A27 ARUNDEL BYPASS
28	0.0	On Site	498451 106614	SU90NE102	6.0	A27 ARUNDEL BYPASS
29H	0.0	On Site	498336 107117	SU90NE100	6.0	A27 ARUNDEL BYPASS
30J	0.0	On Site	499504 106445	SU90NE106	9.0	A27 ARUNDEL BYPASS
31H	0.0	On Site	498317 107117	SU90NE139	3.0	A27 ARUNDEL BYPASS
32I	0.0	On Site	498228 107148	SU90NE116	20.0	A27 ARUNDEL BYPASS
33I	0.0	On Site	498205 107147	SU90NE115	25.0	A27 ARUNDEL BYPASS
34AH	0.0	On Site	498370 107230	SU90NE4	5.0	A27 FOLKSTONE HONITON ARUNDEL SUSSEX 1
35J	0.0	On Site	499520 106437	SU90NE141	3.0	A27 ARUNDEL BYPASS
36	0.0	On Site	499558 106378	SU90NE123	6.0	A27 ARUNDEL BYPASS
37	0.0	On Site	500147 105865	TQ00NW135	6.5	A27 ARUNDEL BYPASS 117
38K	0.0	On Site	500187 106197	TQ00NW117	12.0	A27 ARUNDEL BYPASS 56
39K	0.0	On Site	500165 106140	TQ00NW116	12.0	A27 ARUNDEL BYPASS 55
40	0.0	On Site	499920 105750	SU90NE46	10.0	KNOWLES BARN
41L	0.0	On Site	499851 106192	SU90NE108	6.0	A27 ARUNDEL BYPASS
42L	0.0	On Site	499771 106153	SU90NE125	8.0	A27 ARUNDEL BYPASS
43M	0.0	On Site	499701 106208	SU90NE124	6.0	A27 ARUNDEL BYPASS
44M	0.0	On Site	499655 106215	SU90NE107	6.0	A27 ARUNDEL BYPASS
45	0.0	On Site	498870 107280	SU90NE151	45.73	HAVENWOOD CARAVAN PARK
46	0.0	On Site	499690 106710	SU90NE45	2.5	TORTINGTON COMMON
47	0.0	On Site	499630 107380	SU90NE17	4.0	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 16
48	0.0	On Site	500609 105490	TQ00NW141	10.0	A27 ARUNDEL BYPASS 124
49N	0.0	On Site	500654 105646	TQ00NW140	15.0	A27 ARUNDEL BYPASS 122
50	0.0	On Site	500806 105671	TQ00NW142	15.0	A27 ARUNDEL BYPASS 125
51N	0.0	On Site	500664 105682	TQ00NW139	20.0	A27 ARUNDEL BYPASS 121

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
52O	0.0	On Site	501076 105676	TQ00NW144	25.0	A27 ARUNDEL BYPASS 127
53N	0.0	On Site	500643 105705	TQ00NW138	20.0	A27 ARUNDEL BYPASS 120
54O	0.0	On Site	501149 105690	TQ00NW146	40.0	A27 ARUNDEL BYPASS 129
55O	0.0	On Site	501080 105720	TQ00NW143	25.0	A27 ARUNDEL BYPASS 126
56	0.0	On Site	501234 105735	TQ00NW147	31.05	A27 ARUNDEL BYPASS 130
57	0.0	On Site	501150 105736	TQ00NW145	32.0	A27 ARUNDEL BYPASS 128
58	0.0	On Site	500524 105741	TQ00NW136	10.5	A27 ARUNDEL BYPASS 118
59	0.0	On Site	500691 105774	TQ00NW137	15.2	A27 ARUNDEL BYPASS 119
60	0.0	On Site	501481 105815	TQ00NW148	20.5	A27 ARUNDEL BYPASS 131
61P	0.0	On Site	502870 105860	TQ00NW105	16.0	A27 CROSSBUSH BYPASS BH14
62P	0.0	On Site	502945 105873	TQ00NW206	1.0	A27 CROSSBUSH INTERCHANGE WS3F
63Q	0.0	On Site	502939 105874	TQ00NW204	3.3	A27 CROSSBUSH INTERCHANGE WS3D
64P	0.0	On Site	502887 105880	TQ00NW198	6.0	A27 CROSSBUSH INTERCHANGE WS2A
65P	0.0	On Site	502888 105883	TQ00NW199	3.5	A27 CROSSBUSH INTERCHANGE WS2B
66P	0.0	On Site	502926 105884	TQ00NW202	3.0	A27 CROSSBUSH INTERCHANGE WS3B
67P	0.0	On Site	502888 105886	TQ00NW200	3.7	A27 CROSSBUSH INTERCHANGE WS2C
68P	0.0	On Site	502890 105887	TQ00NW194	1.2	A27 CROSSBUSH INTERCHANGE TP2
69Q	0.0	On Site	502947 105889	TQ00NW205	1.2	A27 CROSSBUSH INTERCHANGE WS3E
70	0.0	On Site	501827 105903	TQ00NW149	13.3	A27 ARUNDEL BYPASS 132
71Q	0.0	On Site	502942 105890	TQ00NW203	3.5	A27 CROSSBUSH INTERCHANGE WS3C
72P	0.0	On Site	502926 105896	TQ00NW201	4.05	A27 CROSSBUSH INTERCHANGE WS3A
73	0.0	On Site	502730 105900	TQ00NW103	8.0	A27 CROSSBUSH BYPASS BH12
74Q	0.0	On Site	502883 105916	TQ00NW193	1.2	A27 CROSSBUSH INTERCHANGE TP1
75Q	0.0	On Site	502885 105917	TQ00NW197	3.5	A27 CROSSBUSH INTERCHANGE WS1C
76Q	0.0	On Site	502886 105923	TQ00NW196	3.0	A27 CROSSBUSH INTERCHANGE WS1B
77Q	0.0	On Site	502887 105927	TQ00NW195	3.5	A27 CROSSBUSH INTERCHANGE WS1A
78R	0.0	On Site	502850 105930	TQ00NW104	16.0	A27 CROSSBUSH BYPASS BH13
79	0.0	On Site	502510 105970	TQ00NW102	8.0	A27 CROSSBUSH BYPASS BH11

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
80R	0.0	On Site	502880 105960	TQ00NW106	16.0	A27 CROSSBUSH BYPASS BH15
81S	0.0	On Site	502270 105973	TQ00NW151	16.0	A27 ARUNDEL BYPASS 134
82S	0.0	On Site	502226 105976	TQ00NW150	15.0	A27 ARUNDEL BYPASS 133
83S	0.0	On Site	502295 106013	TQ00NW134	16.0	A27 ARUNDEL BYPASS 98
84S	0.0	On Site	502239 106013	TQ00NW133	15.0	A27 ARUNDEL BYPASS 97
85	0.0	On Site	502802 106045	TQ00NW50	10.0	A27 CROSSBUSH DIVERSION 21
86U	0.0	On Site	500789 106086	TQ00NW120	13.0	A27 ARUNDEL BYPASS 80
87	0.0	On Site	502647 106050	TQ00NW48	10.0	A27 CROSSBUSH DIVERSION 19
88	0.0	On Site	501984 106060	TQ00NW132	16.5	A27 ARUNDEL BYPASS 93
89T	0.0	On Site	502330 106060	TQ00NW101	19.0	A27 CROSSBUSH BYPASS BH10
90	0.0	On Site	501773 106065	TQ00NW131	20.0	A27 ARUNDEL BYPASS 92
91	0.0	On Site	501110 106087	TQ00NW124	35.0	A27 ARUNDEL BYPASS 84
92T	0.0	On Site	502342 106079	TQ00NW47	14.0	A27 CROSSBUSH DIVERSION 18
93	0.0	On Site	501300 106102	TQ00NW128	30.0	A27 ARUNDEL BYPASS 88
94	0.0	On Site	501487 106104	TQ00NW130	20.0	A27 ARUNDEL BYPASS 91
95V	0.0	On Site	501200 106105	TQ00NW127	35.0	A27 ARUNDEL BYPASS 87
96W	0.0	On Site	502260 106090	TQ00NW99	19.0	A27 CROSSBUSH BYPASS BH8
97	0.0	On Site	500968 106115	TQ00NW129	10.0	A27 ARUNDEL BYPASS 90
98U	0.0	On Site	500821 106136	TQ00NW122	30.5	A27 ARUNDEL BYPASS 82
99V	0.0	On Site	501211 106136	TQ00NW126	35.0	ARUNDEL BYPASS 86
100U	0.0	On Site	500797 106138	TQ00NW121	20.0	A27 ARUNDEL BYPASS 81
101W	0.0	On Site	502270 106120	TQ00NW100	19.0	A27 CROSSBUSH BYPASS BH9
102X	0.0	On Site	500457 106149	TQ00NW152	2.0	A27 ARUNDEL BYPASS TP 7
103V	0.0	On Site	501133 106141	TQ00NW125	32.0	ARUNDEL BYPASS 85
104Y	0.0	On Site	500664 106155	TQ00NW119	8.0	A27 ARUNDEL BYPASS 72
105W	0.0	On Site	502273 106137	TQ00NW46	12.0	A27 CROSSBUSH DIVERSION 17
106X	0.0	On Site	500416 106172	TQ00NW118	10.0	A27 ARUNDEL BYPASS 71
107Y	0.0	On Site	500676 106180	TQ00NW153	1.4	A27 ARUNDEL BYPASS TP 7A

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
108	0.0	On Site	502381 106158	TQ00NW45	15.0	A27 CROSSBUSH DIVERSION 16
109	0.0	On Site	500853 106187	TQ00NW123	13.0	A27 ARUNDEL BYPASS 83
110	0.0	On Site	502160 106170	TQ00NW98	7.0	A27 CROSSBUSH BYPASS BH7
111Z	0.0	On Site	502020 106260	TQ00NW97	10.0	A27 CROSSBUSH BYPASS BH6
112A A	0.0	On Site	502319 106268	TQ00NW44	10.0	A27 CROSSBUSH DIVERSION 15
113Z	0.0	On Site	502000 106280	TQ00NW96	10.0	A27 CROSSBUSH BYPASS BH5B
114A A	0.0	On Site	502198 106286	TQ00NW52	10.0	A27 CROSSBUSH DIVERSION 24
115A A	0.0	On Site	502410 106290	TQ00NW61	60.96	ARUNDEL RAILWAY STATION
116	0.0	On Site	501970 106320	TQ00NW95	10.0	A27 CROSSBUSH BYPASS BH5A
117A B	0.0	On Site	501890 106390	TQ00NW93	26.5	A27 CROSSBUSH BYPASS BH4
118A B	0.0	On Site	501918 106427	TQ00NW51	31.1	A27 CROSSBUSH DIVERSION 22
119	0.0	On Site	501740 106490	TQ00NW94	10.0	A27 CROSSBUSH BYPASS BH5
120	0.0	On Site	502300 106500	TQ00NW76	45.72	RAILWAY HOTEL ARUNDEL
121A C	0.0	On Site	500870 106920	TQ00NW167	9.0	CANADA ROAD ARUNDEL BH12
122A C	0.0	On Site	500830 106930	TQ00NW166	8.0	CANADA ROAD ARUNDEL BH11+A
123A C	0.0	On Site	500800 106940	TQ00NW165	9.0	CANADA ROAD ARUNDEL BH10
124A D	0.0	On Site	500760 106950	TQ00NW164	9.0	CANADA ROAD ARUNDEL BH9
125A C	0.0	On Site	500880 106950	TQ00NW163	9.0	CANADA ROAD ARUNDEL BH8
126A C	0.0	On Site	500840 106960	TQ00NW162	11.0	CANADA ROAD ARUNDEL BH7
127A C	0.0	On Site	500880 106970	TQ00NW159	11.0	CANADA ROAD ARUNDEL BH4
128A C	0.0	On Site	500800 106970	TQ00NW161	14.0	CANADA ROAD ARUNDEL BH6
129A D	0.0	On Site	500770 106980	TQ00NW160	12.0	CANADA ROAD ARUNDEL BH5
130A D	0.0	On Site	500850 106980	TQ00NW158	10.0	CANADA ROAD ARUNDEL BH3
131A D	0.0	On Site	500810 106990	TQ00NW157	6.0	CANADA ROAD ARUNDEL BH2
132A D	0.0	On Site	500780 107000	TQ00NW156	10.0	CANADA ROAD ARUNDEL BH1
133A E	0.0	On Site	501360 106860	TQ00NW90	10.0	A27 CROSSBUSH BYPASS BH1B
134A E	0.0	On Site	501400 106830	TQ00NW88	27.45	A27 CROSSBUSH BYPASS BH1
135A F	0.0	On Site	501500 106740	TQ00NW91	34.5	A27 CROSSBUSH BYPASS BH2

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
136AG	0.0	On Site	501620 106640	TQ00NW92	10.0	A27 CROSSBUSH BYPASS BH3
137AE	0.0	On Site	501420 106840	TQ00NW21	31.08	ARUNDEL A27 F
138AE	0.0	On Site	501320 106820	TQ00NW5	13.41	ARUNDEL A27 BH1B
139AE	0.0	On Site	501450 106810	TQ00NW3	30.25	ARUNDEL A27 BH1
140AF	0.0	On Site	501520 106790	TQ00NW17	12.19	ARUNDEL A27 B
141AF	0.0	On Site	501490 106770	TQ00NW6	30.78	ARUNDEL A27 BH2
142AF	0.0	On Site	501550 106750	TQ00NW19	14.02	ARUNDEL A27 D
143AF	0.0	On Site	501460 106740	TQ00NW16	12.19	ARUNDEL A27 A
144	0.0	On Site	501610 106720	TQ00NW7	35.66	ARUNDEL A27 BH3
145AF	0.0	On Site	501500 106700	TQ00NW18	13.41	ARUNDEL A27 C
146AF	0.0	On Site	501590 106690	TQ00NW20	12.19	ARUNDEL A27 E
147AG	0.0	On Site	501560 106660	TQ00NW8	33.52	ARUNDEL A27 BH3
148	0.0	On Site	501790 106650	TQ00NW9	31.08	ARUNDEL A27 BH5
149	3.0	N	499740 107380	SU90NE18	3.0	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 17
150Q	9.0	S	502900 105830	TQ00NW107	16.0	A27 CROSSBUSH BYPASS BH16
151AJ	14.0	S	503020 105850	TQ00NW171	7.0	LYMINSTER BH2
152	20.0	N	501340 106920	TQ00NW89	9.45	A27 CROSSBUSH BYPASS BH1A
153AK	22.0	N	499500 107420	SU90NE16	3.0	A27 FOLKESTONE HONITON ARUNDEL SUSSEX 15
154AE	22.0	N	501390 106910	TQ00NW4	29.26	ARUNDEL A27 BH1A
155	24.0	SW	498340 106771	SU90NE129	6.0	A27 ARUNDEL BYPASS
156	26.0	NE	502723 106159	TQ00NW49	10.0	A27 CROSSBUSH DIVERSION 20
157I	27.0	SW	498183 107120	SU90NE114	13.0	A27 ARUNDEL BYPASS
158AH	32.0	N	498270 107230	SU90NE27	38.1	CHICHESTER ROAD BINSTED TORTINGTON
159AL	35.0	NE	502500 106370	TQ00NW29	8.0	A27 STATION OVERBRIDGE ARUNDEL BH1
160AI	36.0	NE	502617 106266	TQ00NW178	14.5	A27 STATION HILL ARUNDEL 3
161AI	36.0	NE	502652 106235	TQ00NW180	20.2	A27 STATION HILL ARUNDEL 5
162AJ	37.0	E	503050 105850	TQ00NW108	8.0	A27 CROSSBUSH BYPASS BH17

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
163AH	39.0	N	498350 107270	SU90NE145	38.0	TORTINGTON LAYBY
164AI	41.0	NE	502662 106233	TQ00NW53	10.0	A27 CROSSBUSH DIVERSION 25
165AK	41.0	N	499480 107440	SU90NE44	2.9	PARK FARM COTTAGES
166I	45.0	SW	498163 107122	SU90NE113	20.0	A27 ARUNDEL BYPASS
167AL	48.0	NE	502530 106360	TQ00NW30	8.0	A27 STATION OVERBRIDGE ARUNDEL BH2
168AI	52.0	NE	502641 106267	TQ00NW187	1.2	A27 STATION HILL ARUNDEL TP3
169AH	59.0	N	498320 107280	SU90NE47	120.0	TORTINGTON
170AM	60.0	NE	502470 106430	TQ00NW33	8.0	A27 STATION OVERBRIDGE ARUNDEL BH6
171AI	61.0	NE	502610 106306	TQ00NW185	1.2	A27 STATION HILL ARUNDEL TP1
172AN	63.0	NE	502250 106630	TQ00NW10	19.66	ARUNDEL A27 BH9
173AL	64.0	NE	502510 106400	TQ00NW31	3.0	A27 STATION OVERBRIDGE ARUNDEL BH3
174AM	65.0	NE	502421 106480	TQ00NW41	34.0	A27 CROSSBUSH DIVERSION 12
175AI	67.0	NE	502651 106278	TQ00NW54	10.0	A27 CROSSBUSH DIVERSION 26
176AM	68.0	NE	502470 106440	TQ00NW32	3.0	A27 STATION OVERBRIDGE ARUNDEL BH5
177AI	70.0	NE	502655 106278	TQ00NW182	19.3	A27 STATION HILL ARUNDEL 7
178AM	70.0	NE	502440 106470	TQ00NW35	8.0	A27 STATION OVERBRIDGE ARUNDEL BH8
179AI	71.0	NE	502682 106255	TQ00NW183	14.0	A27 STATION HILL ARUNDEL 8
180AI	71.0	NE	502628 106304	TQ00NW186	3.2	A27 STATION HILL ARUNDEL TP2
181AI	75.0	NE	502676 106266	TQ00NW190	1.2	A27 STATION HILL ARUNDEL TP6
182AI	76.0	NE	502626 106312	TQ00NW179	14.55	A27 STATION HILL ARUNDEL 4
183	87.0	S	502850 105740	TQ00NW170	5.0	LYMINSTER BH1
184AI	87.0	NE	502647 106308	TQ00NW181	19.5	A27 STATION HILL ARUNDEL 6
185AI	89.0	NE	502655 106303	TQ00NW189	3.1	A27 STATION HILL ARUNDEL TP5
186AI	94.0	NE	502647 106317	TQ00NW188	1.2	A27 STATION HILL ARUNDEL TP4
187	98.0	NE	502460 106490	TQ00NW34	3.0	A27 STATION OVERBRIDGE ARUNDEL BH7
188AN	98.0	NE	502337 106600	TQ00NW40	15.0	A27 CROSSBUSH DIVERSION 11

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
189	100.0	N	501900 106900	TQ00NW2	50.0	ARUNDEL RIVER BRIDGE TRIAL BH2
190AO	104.0	NE	502609 106365	TQ00NW43	10.0	A27 CROSSBUSH DIVERSION 14
191	105.0	NE	502190 106740	TQ00NW68	25.6	STATION ROAD ARUNDEL
192AI	105.0	NE	502679 106304	TQ00NW192	1.2	A27 STATION HILL ARUNDEL TP8
193AM	110.0	NE	502513 106459	TQ00NW42	30.0	A27 CROSSBUSH DIVERSION 13
194AO	113.0	NE	502666 106326	TQ00NW191	1.2	A27 STATION HILL ARUNDEL TP7
195AO	116.0	NE	502659 106336	TQ00NW184	14.7	A27 STATION HILL ARUNDEL 9
196AP	119.0	SW	498183 106893	SU90NE128	14.0	A27 ARUNDEL BYPASS
197	120.0	N	501310 107040	TQ00NW11	21.49	ARUNDEL A27 BH10
198AQ	125.0	W	498070 107144	SU90NE112	7.0	A27 ARUNDEL BYPASS
199	151.0	SW	498070 107070	SU90NE153	-1.0	TORTINGTON TRIAL (C32)
200AP	164.0	SW	498118 106928	SU90NE127	6.0	A27 ARUNDEL BYPASS
201AQ	172.0	SW	498035 107097	SU90NE111	18.0	A27 ARUNDEL BYPASS
202AU	173.0	SW	498206 106706	SU90NE101	6.0	A27 ARUNDEL BYPASS
203AT	186.0	N	501240 107140	TQ00NW13	10.36	ARUNDEL A27 BH11A
204AR	193.0	S	500300 105200	TQ00NW60	60.96	TORTINGTON HOUSE ARUNDEL
205AR	197.0	S	500270 105200	TQ00NW59/A	51.81	TORTINGTON HOUSE ARUNDEL
206AS	199.0	N	501900 107000	TQ00NW67	19.12	COAL YARD ARUNDEL
207AS	199.0	N	501900 107000	TQ00NW1	9.14	ARUNDEL RIVER BRIDGE TRIAL BH1
208AT	203.0	N	501260 107150	TQ00NW12	12.19	ARUNDEL A27 BH11
209AR	207.0	S	500270 105190	TQ00NW59/B	60.96	TORTINGTON HOUSE ARUNDEL
210AU	230.0	SW	498157 106677	SU90NE136	3.0	A27 ARUNDEL BYPASS
211	241.0	E	503250 105810	TQ00NW109	7.0	A27 CROSSBUSH BYPASS BH18

Additional online information is available for the following boreholes listed above:

#1F: scans.bgs.ac.uk/sobi_scans/boreholes/434210
#2: scans.bgs.ac.uk/sobi_scans/boreholes/434075
#3: scans.bgs.ac.uk/sobi_scans/boreholes/434200
#4: scans.bgs.ac.uk/sobi_scans/boreholes/434201
#5A: scans.bgs.ac.uk/sobi_scans/boreholes/434188
#6A: scans.bgs.ac.uk/sobi_scans/boreholes/434212
#7: scans.bgs.ac.uk/sobi_scans/boreholes/434076

#8: scans.bgs.ac.uk/sobi_scans/boreholes/434173
#9: scans.bgs.ac.uk/sobi_scans/boreholes/434077
#10: scans.bgs.ac.uk/sobi_scans/boreholes/434089
#11: scans.bgs.ac.uk/sobi_scans/boreholes/434078
#12B: scans.bgs.ac.uk/sobi_scans/boreholes/434189
#13B: scans.bgs.ac.uk/sobi_scans/boreholes/434190
#14C: scans.bgs.ac.uk/sobi_scans/boreholes/434079
#15C: scans.bgs.ac.uk/sobi_scans/boreholes/434080
#16D: scans.bgs.ac.uk/sobi_scans/boreholes/434207
#17D: scans.bgs.ac.uk/sobi_scans/boreholes/434174
#18: scans.bgs.ac.uk/sobi_scans/boreholes/434191
#19E: scans.bgs.ac.uk/sobi_scans/boreholes/434081
#20E: scans.bgs.ac.uk/sobi_scans/boreholes/434082
#21: scans.bgs.ac.uk/sobi_scans/boreholes/434083
#22: scans.bgs.ac.uk/sobi_scans/boreholes/434084
#23: scans.bgs.ac.uk/sobi_scans/boreholes/434085
#24: scans.bgs.ac.uk/sobi_scans/boreholes/434192
#25G: scans.bgs.ac.uk/sobi_scans/boreholes/434175
#26F: scans.bgs.ac.uk/sobi_scans/boreholes/434187
#27G: scans.bgs.ac.uk/sobi_scans/boreholes/434208
#28: scans.bgs.ac.uk/sobi_scans/boreholes/434172
#29H: scans.bgs.ac.uk/sobi_scans/boreholes/434170
#30J: scans.bgs.ac.uk/sobi_scans/boreholes/434176
#31H: scans.bgs.ac.uk/sobi_scans/boreholes/434209
#32I: scans.bgs.ac.uk/sobi_scans/boreholes/434186
#33I: scans.bgs.ac.uk/sobi_scans/boreholes/434185
#34AH: scans.bgs.ac.uk/sobi_scans/boreholes/434074
#35J: scans.bgs.ac.uk/sobi_scans/boreholes/434211
#36: scans.bgs.ac.uk/sobi_scans/boreholes/434193
#37: scans.bgs.ac.uk/sobi_scans/boreholes/569614
#38K: scans.bgs.ac.uk/sobi_scans/boreholes/569596
#39K: scans.bgs.ac.uk/sobi_scans/boreholes/569595
#40: scans.bgs.ac.uk/sobi_scans/boreholes/434116
#41L: scans.bgs.ac.uk/sobi_scans/boreholes/434178
#42L: scans.bgs.ac.uk/sobi_scans/boreholes/434195
#43M: scans.bgs.ac.uk/sobi_scans/boreholes/434194
#44M: scans.bgs.ac.uk/sobi_scans/boreholes/434177
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#51N: scans.bgs.ac.uk/sobi_scans/boreholes/569618
#52O: scans.bgs.ac.uk/sobi_scans/boreholes/569623
#53N: scans.bgs.ac.uk/sobi_scans/boreholes/569617
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#63Q: scans.bgs.ac.uk/sobi_scans/boreholes/18827035
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#96W: scans.bgs.ac.uk/sobi_scans/boreholes/569578
#97: scans.bgs.ac.uk/sobi_scans/boreholes/569608
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#103V: scans.bgs.ac.uk/sobi_scans/boreholes/569604
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#126AC: scans.bgs.ac.uk/sobi_scans/boreholes/569641
#127AC: scans.bgs.ac.uk/sobi_scans/boreholes/569638
#128AC: scans.bgs.ac.uk/sobi_scans/boreholes/569640
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#136AG: scans.bgs.ac.uk/sobi_scans/boreholes/569571
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#140AF: scans.bgs.ac.uk/sobi_scans/boreholes/569489
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#143AF: scans.bgs.ac.uk/sobi_scans/boreholes/569488
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#178AM: scans.bgs.ac.uk/sobi_scans/boreholes/569507
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#181AI: scans.bgs.ac.uk/sobi_scans/boreholes/18815361
#182AI: scans.bgs.ac.uk/sobi_scans/boreholes/18815349
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#192AI: scans.bgs.ac.uk/sobi_scans/boreholes/18815364
#193AM: scans.bgs.ac.uk/sobi_scans/boreholes/569514
#194AO: scans.bgs.ac.uk/sobi_scans/boreholes/18815363
#195AO: scans.bgs.ac.uk/sobi_scans/boreholes/18815355
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#202AU: scans.bgs.ac.uk/sobi_scans/boreholes/434171
#203AT: scans.bgs.ac.uk/sobi_scans/boreholes/569485
#204AR: scans.bgs.ac.uk/sobi_scans/boreholes/569534
#205AR: scans.bgs.ac.uk/sobi_scans/boreholes/569532
#206AS: scans.bgs.ac.uk/sobi_scans/boreholes/569545
#207AS: scans.bgs.ac.uk/sobi_scans/boreholes/569473
#208AT: scans.bgs.ac.uk/sobi_scans/boreholes/569484
#209AR: scans.bgs.ac.uk/sobi_scans/boreholes/569533
#210AU: scans.bgs.ac.uk/sobi_scans/boreholes/434206
#211: scans.bgs.ac.uk/sobi_scans/boreholes/569588

6 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary: 272

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geoinsight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
2.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
3.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
6.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
6.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
7.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
15.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
15.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
15.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
19.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
21.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
27.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
27.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
34.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
37.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
45.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
46.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
46.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
51.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
58.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
61.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
64.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
68.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
68.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
70.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
82.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
92.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
97.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
97.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
99.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
100.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
100.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
101.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
102.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
106.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
111.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
113.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
113.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
114.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
120.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
127.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
130.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
132.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
134.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
139.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
144.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
146.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
146.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
148.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
148.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
150.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
151.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
170.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
171.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
171.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
175.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
175.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
179.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
179.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
193.0	W	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
193.0	W	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
194.0	NE	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

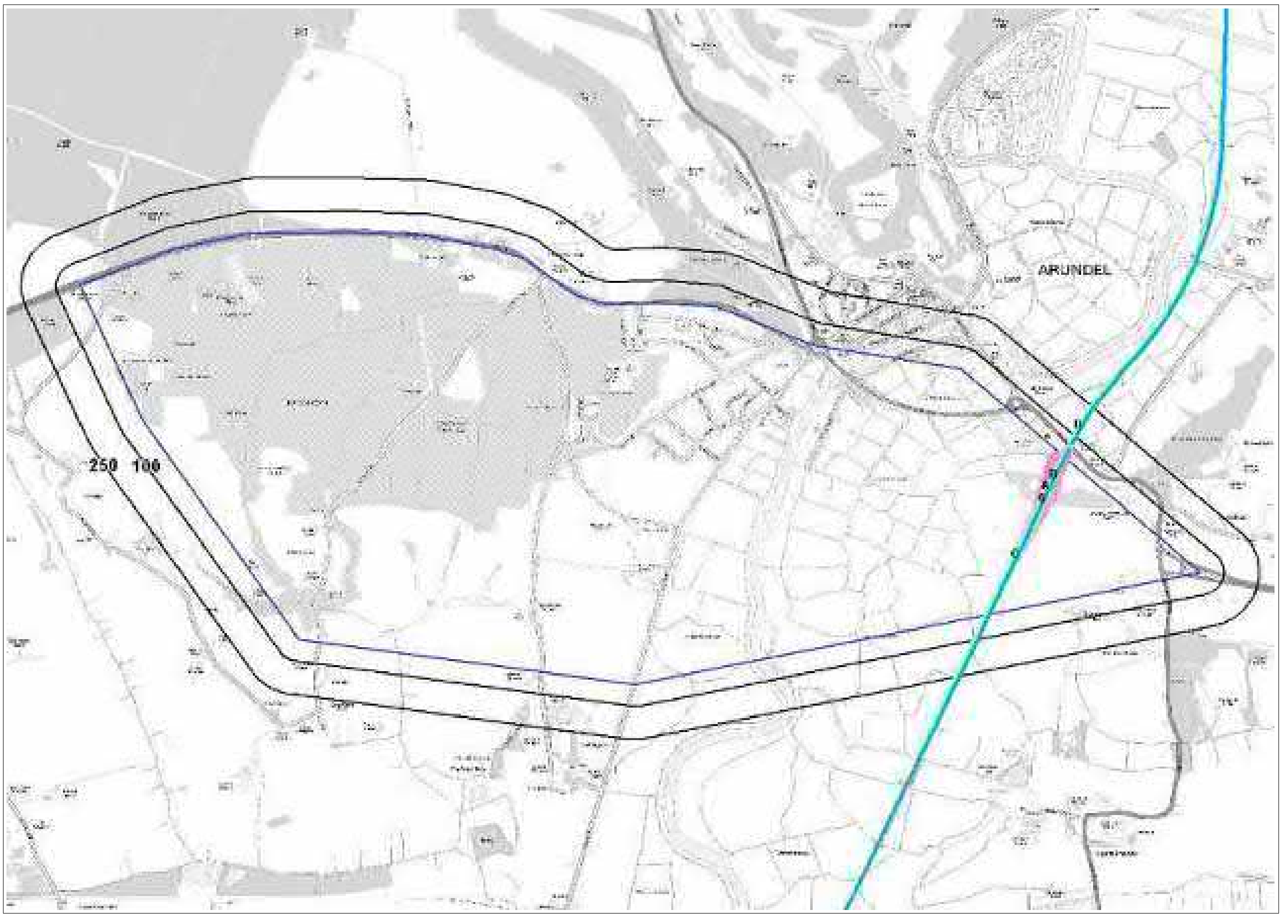
Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
194.0	NE	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
197.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
208.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
211.0	NW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
211.0	NW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
212.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
212.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
212.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
216.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
216.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
218.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
221.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
223.0	S	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
224.0	NW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
224.0	NW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
225.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
225.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
237.0	N	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
239.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
239.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
243.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
243.0	SW	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
247.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
248.0	S	Sediment	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
250.0	NE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

7 Railways and Tunnels Map

NW N NE

W E



SW S SE

Railways and Tunnels Legend

Mapping sourced from Ordnance Survey

- Site Outline
- Search Buffers (m)
- Underground or Partially Underground Railway / Subway System
- Railway Tunnel (OS Mapping)
- Abandoned or Dismantled Railway (OpenStreetMap)
- Railway Track (OS Mapping)
- Railway Track (OpenStreetMap)
- High Speed 2
- Crossrail
- Railways and/or Tunnel Feature from Historical Mapping

Groundsure LOCATION INTELLIGENCE

7 Railways and Tunnels

7.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

7.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? Yes

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
1A	0	On Site	502299 106140	Railway Sidings	1946
2A	0	On Site	502299 106140	Railway Sidings	1938
3A	0	On Site	502303 106125	Railway Sidings	1957
4B	0	On Site	502394 106307	Railway Sidings	1896
5B	0	On Site	502396 106298	Railway Sidings	1974
6	0	On Site	502315 106124	Railway Sidings	1957

ID	Distance (m)	Direction	NGR	Details	Date
7B	0	On Site	502363 106312	Railway Sidings	1876
8C	0	On Site	502212 105924	Railway Sidings	1994
9C	0	On Site	502212 105926	Railway Sidings	1971
10A	0	On Site	502305 106127	Railway Sidings	1912
11A	0	On Site	502304 106127	Railway Sidings	1897
12A	0	On Site	502391 106291	Railway Sidings	1940
13A	0	On Site	502340 106186	Railway Sidings	1876
14A	0	On Site	502392 106278	Railway Sidings	1972
15D	107	NE	502486 106519	Railway Sidings	1878
16D	107	NE	502486 106519	Railway Sidings	1897
17D	107	NE	502486 106519	Railway Sidings	1937
18D	107	NE	502486 106519	Railway Sidings	1912

Any records that have been identified are represented on the Railways and Tunnels Map.

7.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Note: multiple sections of the same track may be listed in the detail above

Any records that have been identified are represented on the Railways and Tunnels Map.

7.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? Yes

Have any active railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Name	Type
0	On Site	Not given	Rail
0	On Site	Not given	Rail

Distance (m)	Direction	Name	Type
0	On Site	Not given	Rail
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
59	NE	Not given	Multi Track

Note: multiple sections of the same track may be listed in the detail above

Any records that have been identified are represented on the Railways and Tunnels Map.

7.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail.

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail rail project? No

Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail Report.

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:**enquiries@bgs.ac.uk**
Web:**www.bgs.ac.uk**
BGS Geological Hazards Reports and general geological enquiries

British Gypsum

British Gypsum Ltd
East Leake
Loughborough
Leicestershire
LE12 6HX

The Coal Authority

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

Public Health England

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

Johnson Poole & Bloomer Limited

Harris and Pearson Building, Brettel Lane
Brierley Hill, West Midlands
DY5 3LH
Tel: +44 (0) 1384 262 000
Email:**enquiries.gs@jpb.co.uk**
Website: **www.jpb.co.uk**

Ordnance Survey

Adanac Drive, Southampton
SO16 0AS

Tel: 08456 050505
Website: http://www.ordnancesurvey.co.uk/

Mapping sourced from Ordnance Survey

Getmapping PLC

Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444
Website:**http://www1.getmapping.com/**

Peter Brett Associates

Caversham Bridge House
Waterman Place
Reading
Berkshire RG1 8DN
Tel: +44 (0)118 950 0761 E-mail:**reading@pba.co.uk**
Website:**http://www.peterbrett.com/home**

Contact Details

Acknowledgements: Ordnance Survey © Crown Copyright and/or Database Right. All Rights Reserved. Licence Number [03421028].

Standard Terms and Conditions

1 Definitions

In 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 (www.Groundsure.com) 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.

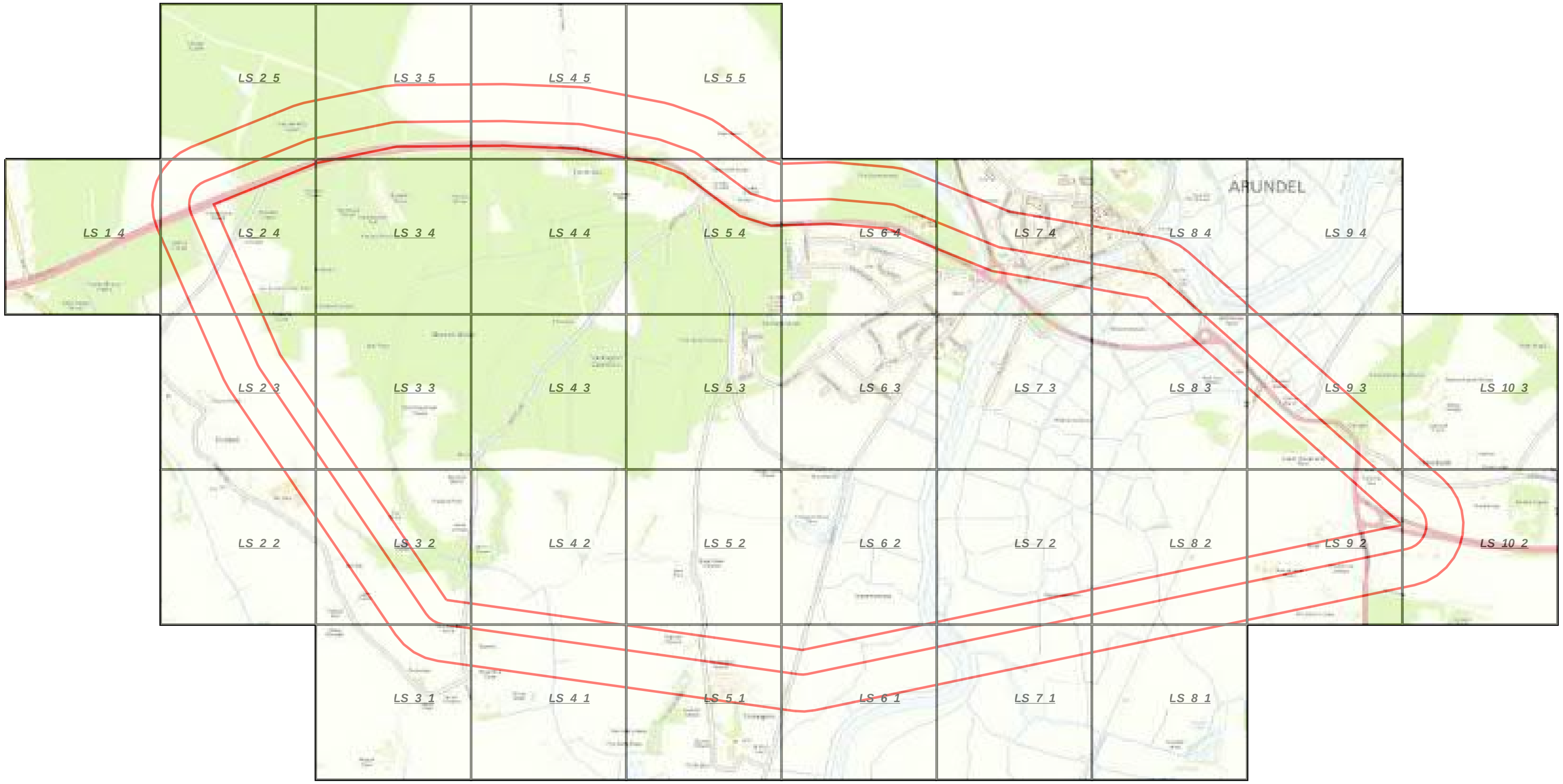
12.11 Each of the provisions of the Contract is severable and distinct from the others and if one or more provisions is or should become invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions shall not in any way be tainted or impaired.

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.

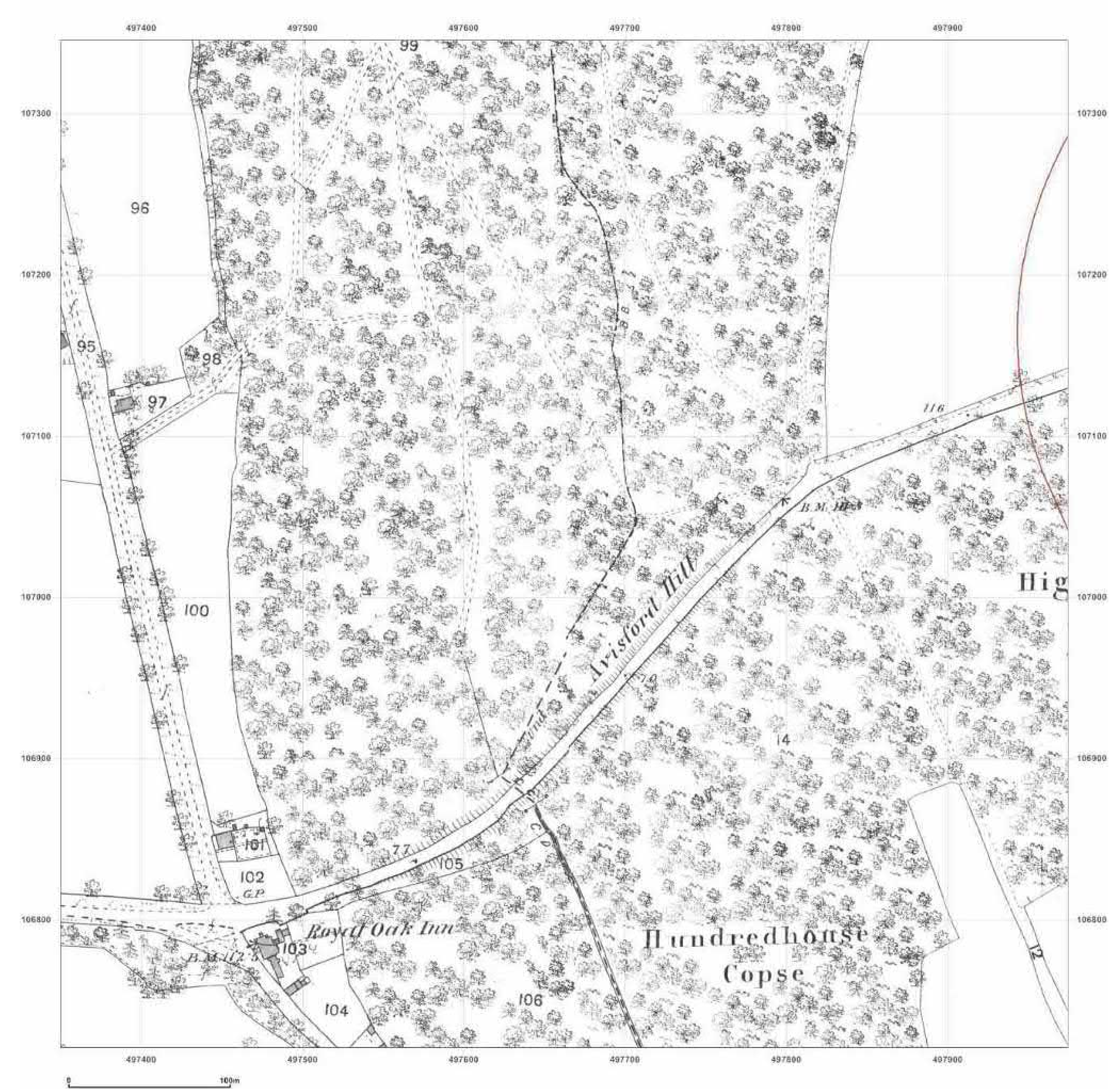
12.13 Groundsure is an executive member of the Council of Property Search Organisation (CoPSO) and has signed up to the Search Code administered by the Property Codes Compliance Board (PCCB). All Risk Screening Reports shall be supplied in accordance with the provisions of the Search Code.

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.

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



1:2500 Scale Grid Index



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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Production date: 29 April 2015

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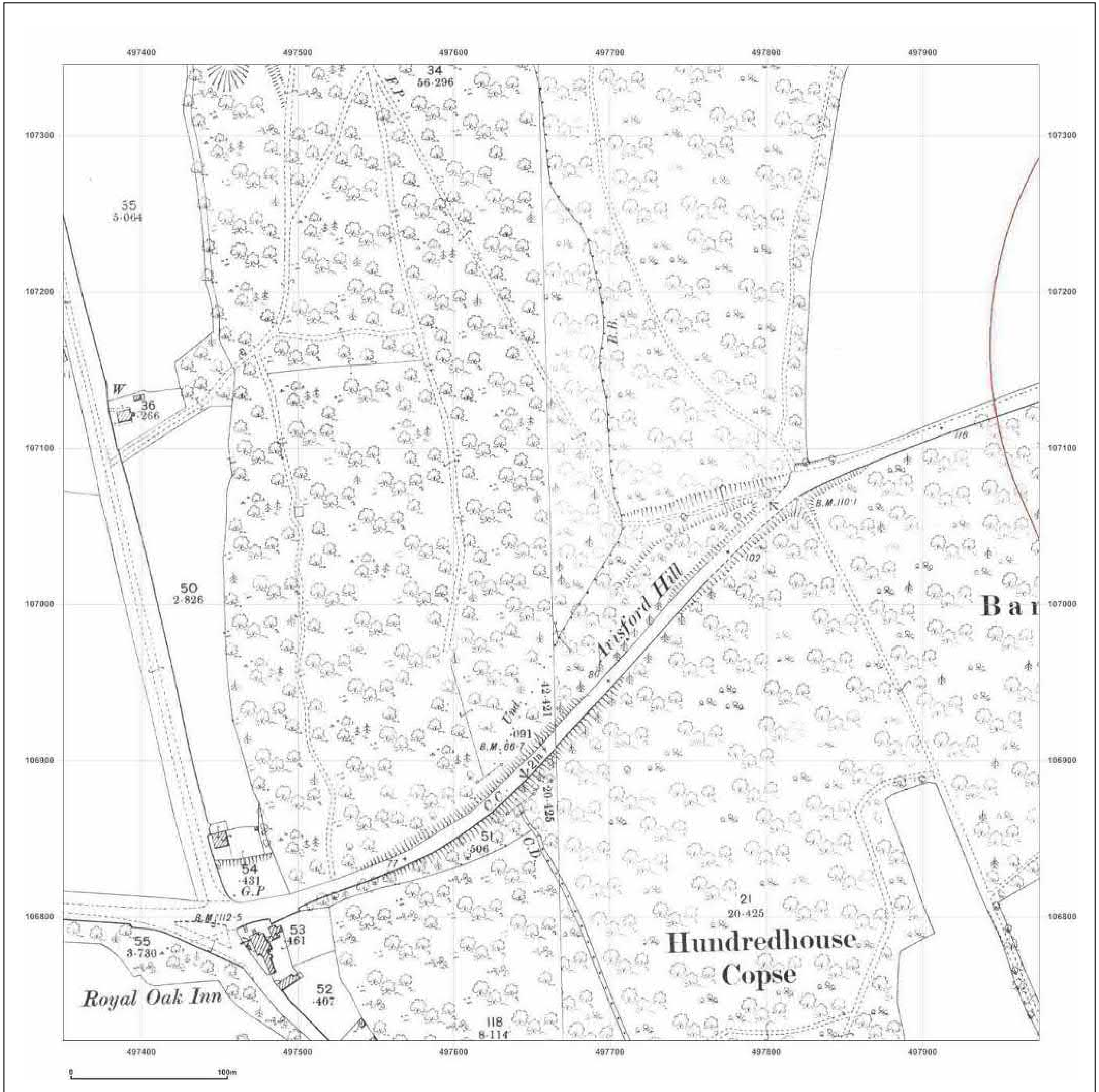


Groundsure INSIGHTS

Site Details:

ARUNDEL

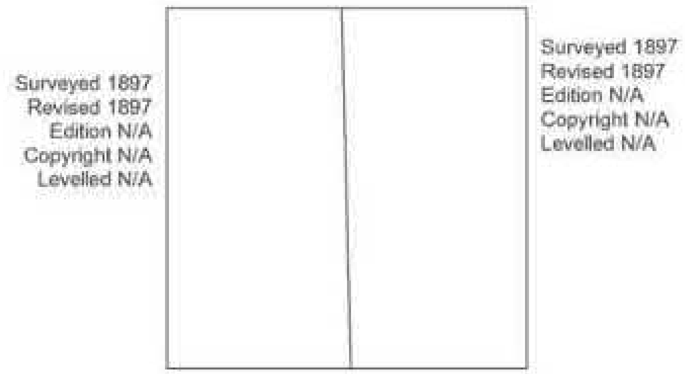
Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: County Series

Map date: 1897

Scale: 1:2,500

Printed at: 1:2,500



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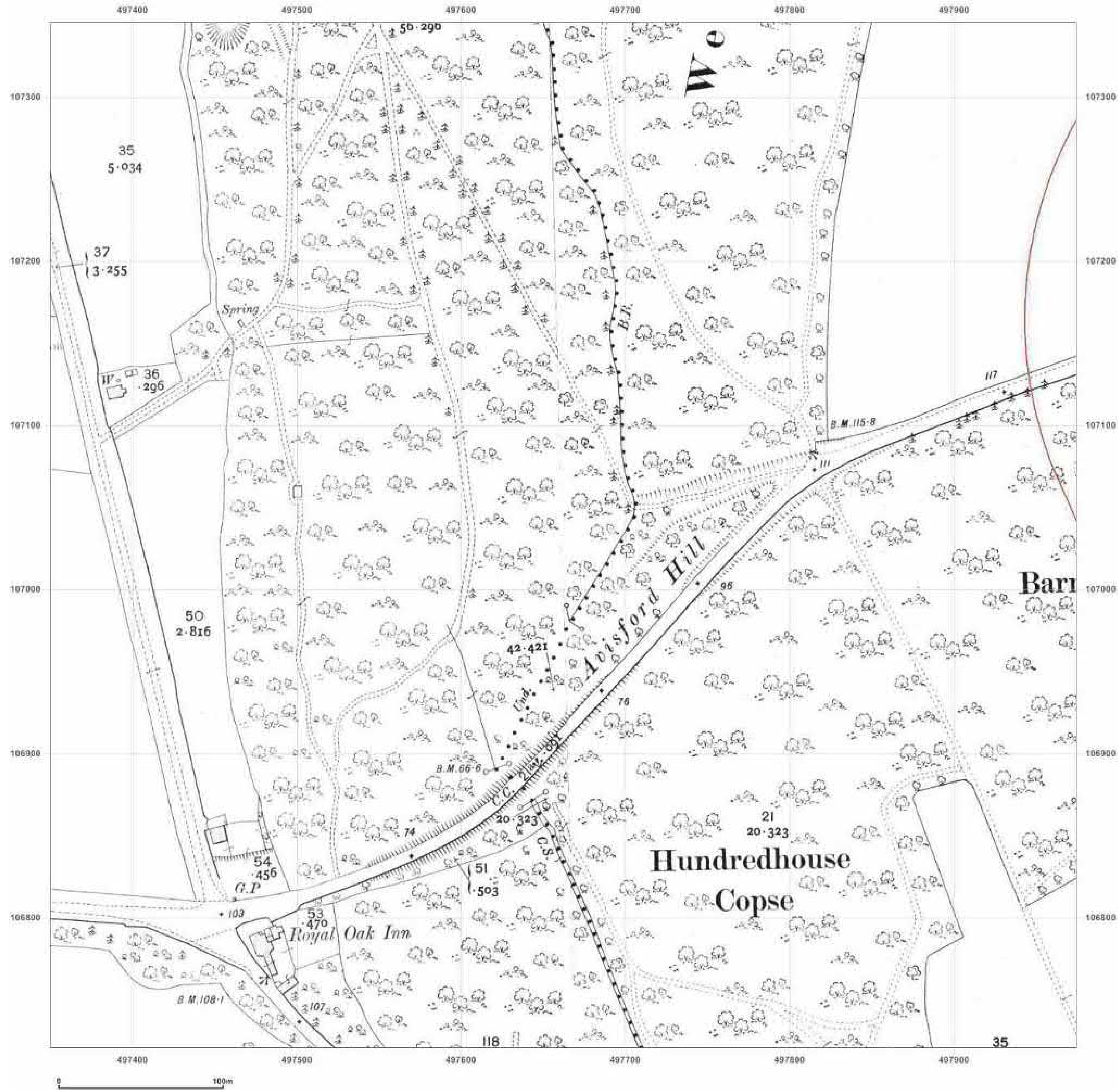

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: County Series

Map date: **1912**

Scale: 1:2,500

Printed at: 1:2,500

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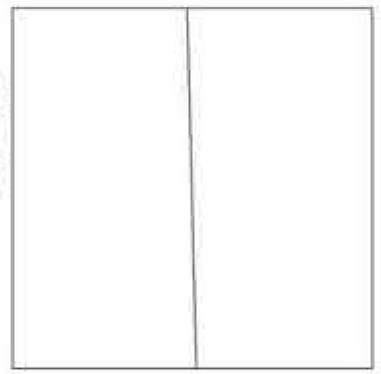

Surveyed 1912
Revised 1912
Edition N/A
Copyright N/A
Levelled N/A

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Edition N/A
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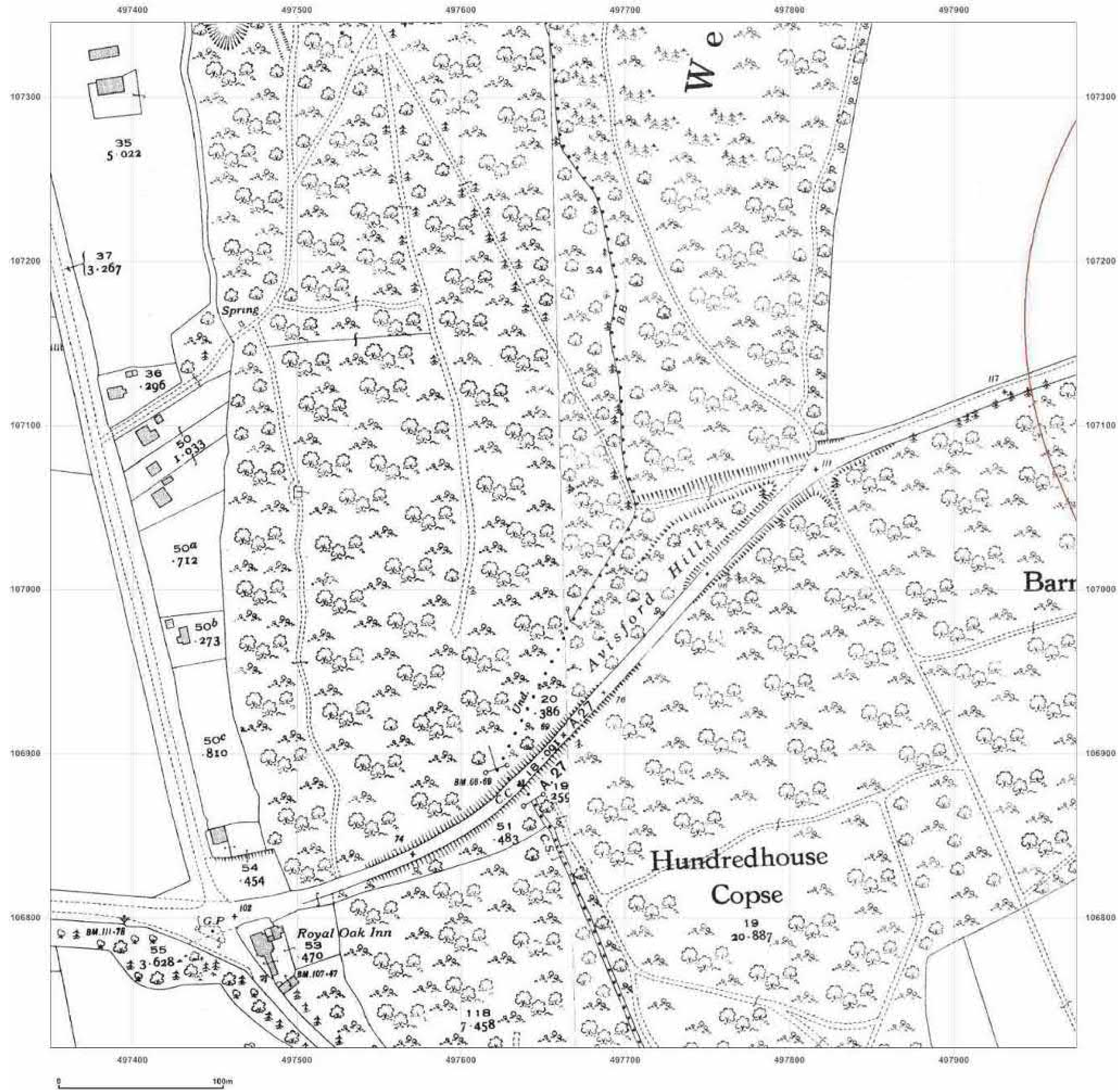

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: County Series

Map date: **1938-1939**

Scale: 1:2,500

Printed at: 1:2,500

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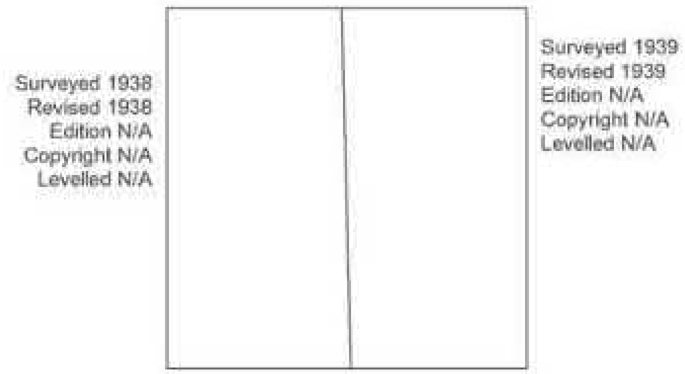

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1953

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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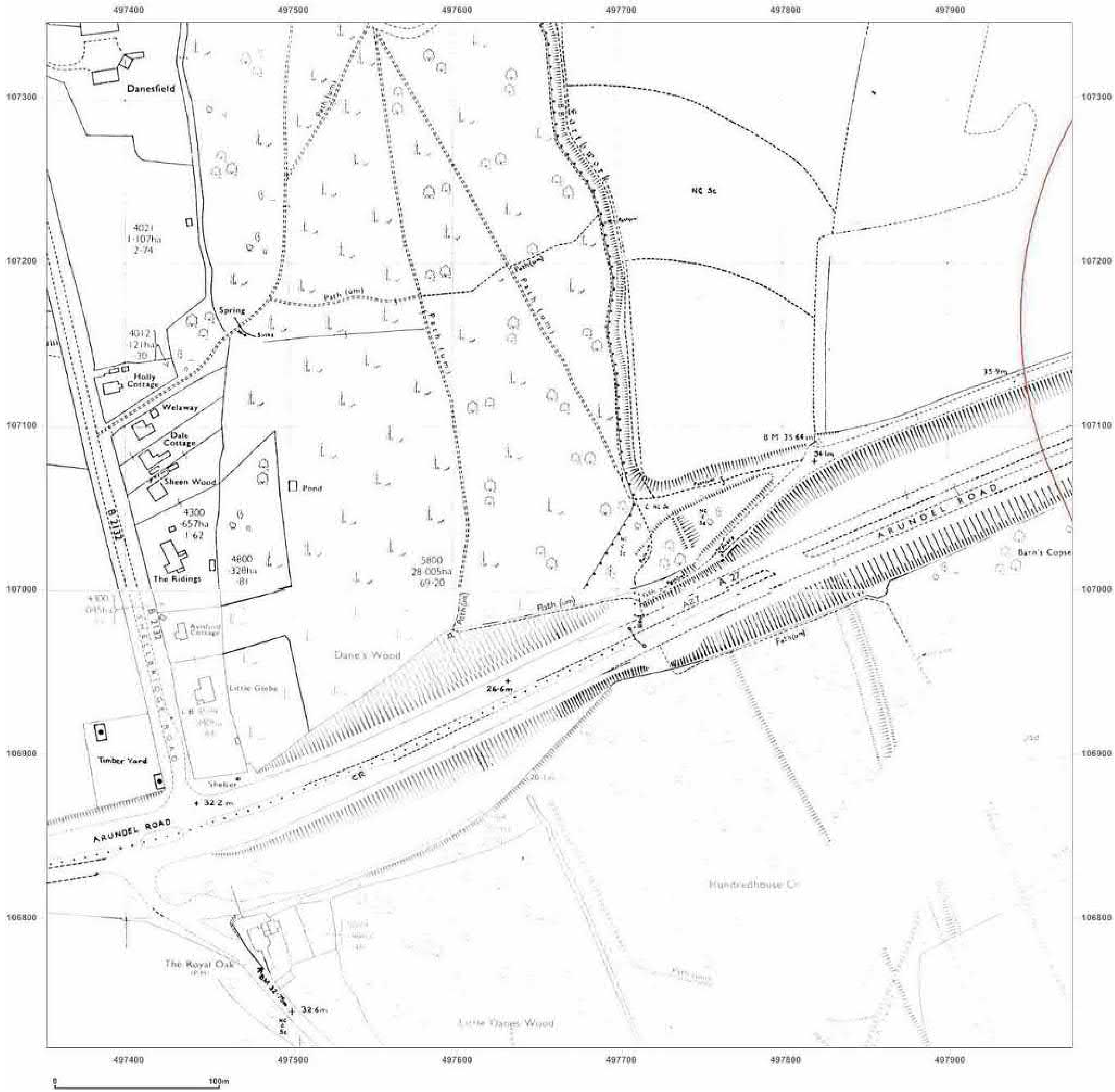

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: National Grid

Map date: **1985-1989**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1975
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Edition N/A
Copyright 1985
Levelled 1975

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

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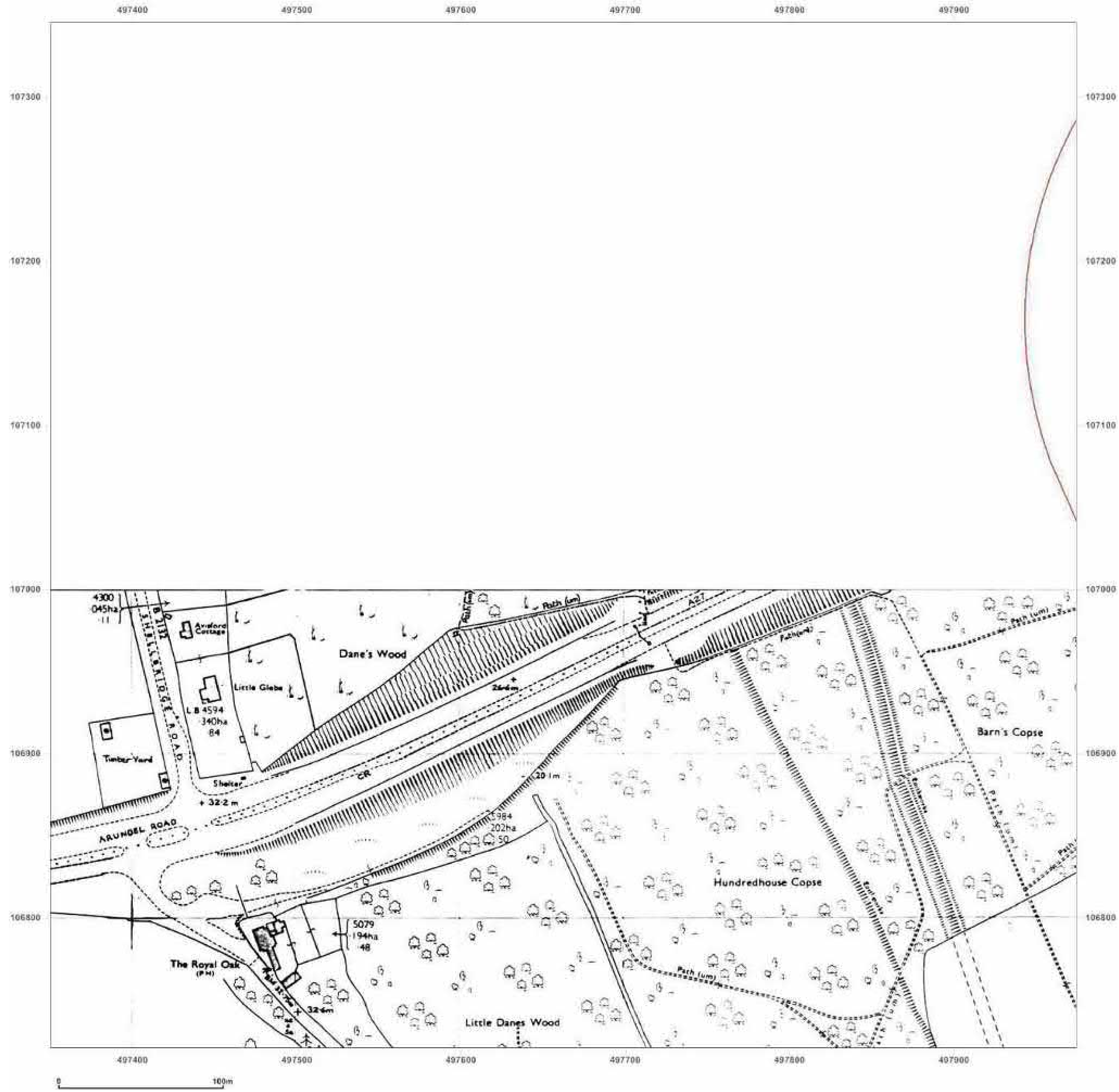

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref:	PO86494
Report Ref:	GS-2047500_LS_1_4
Grid Ref:	497662, 107033

Map Name:	National Grid
Map date:	**1990**
Scale:	1:2,500
Printed at:	1:2,500

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

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Production date: 29 April 2015

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Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_1_4
Grid Ref: 497662, 107033

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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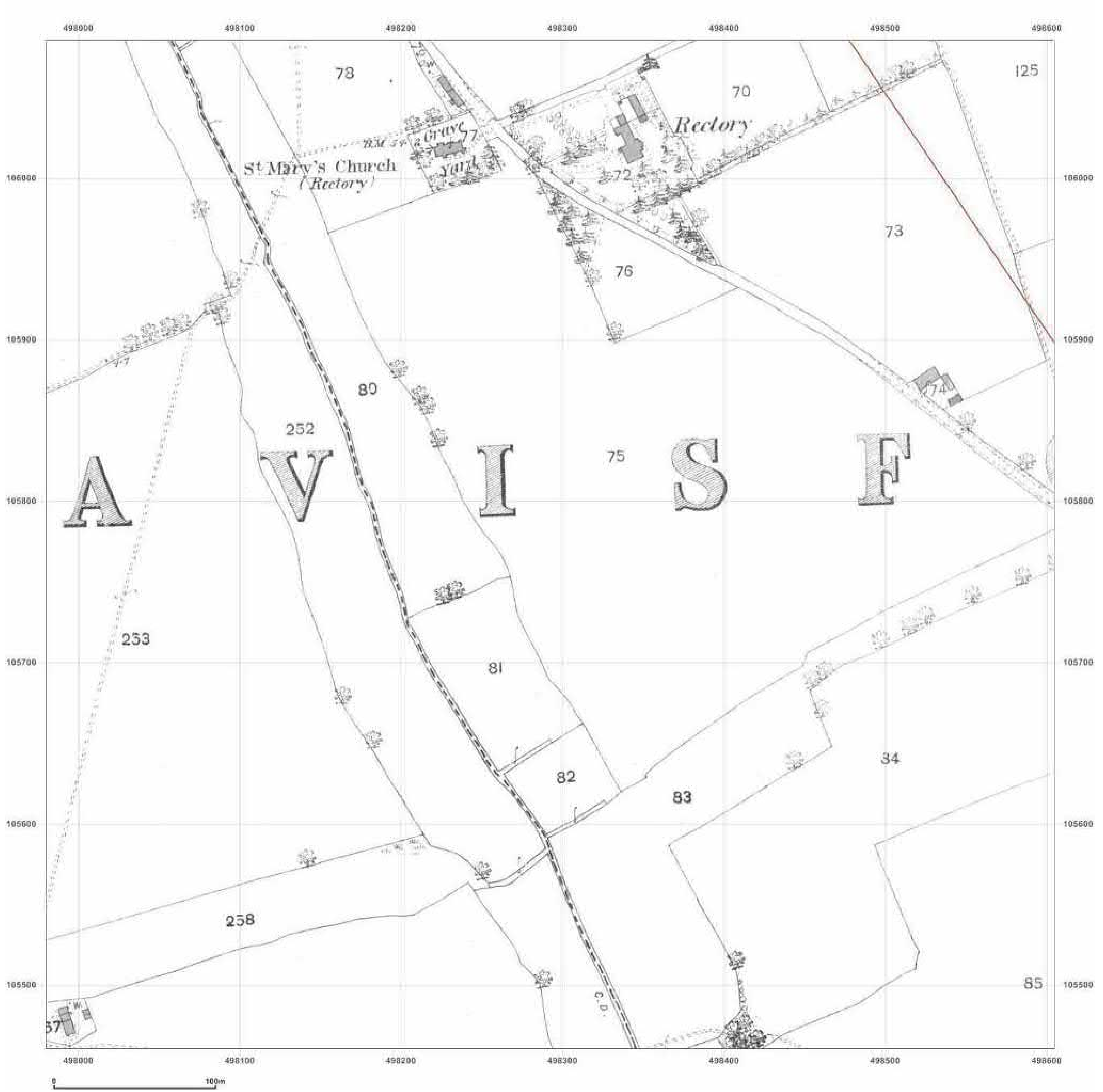

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_2
Grid Ref: 498292, 105773

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1876
Revised 1876
Edition N/A
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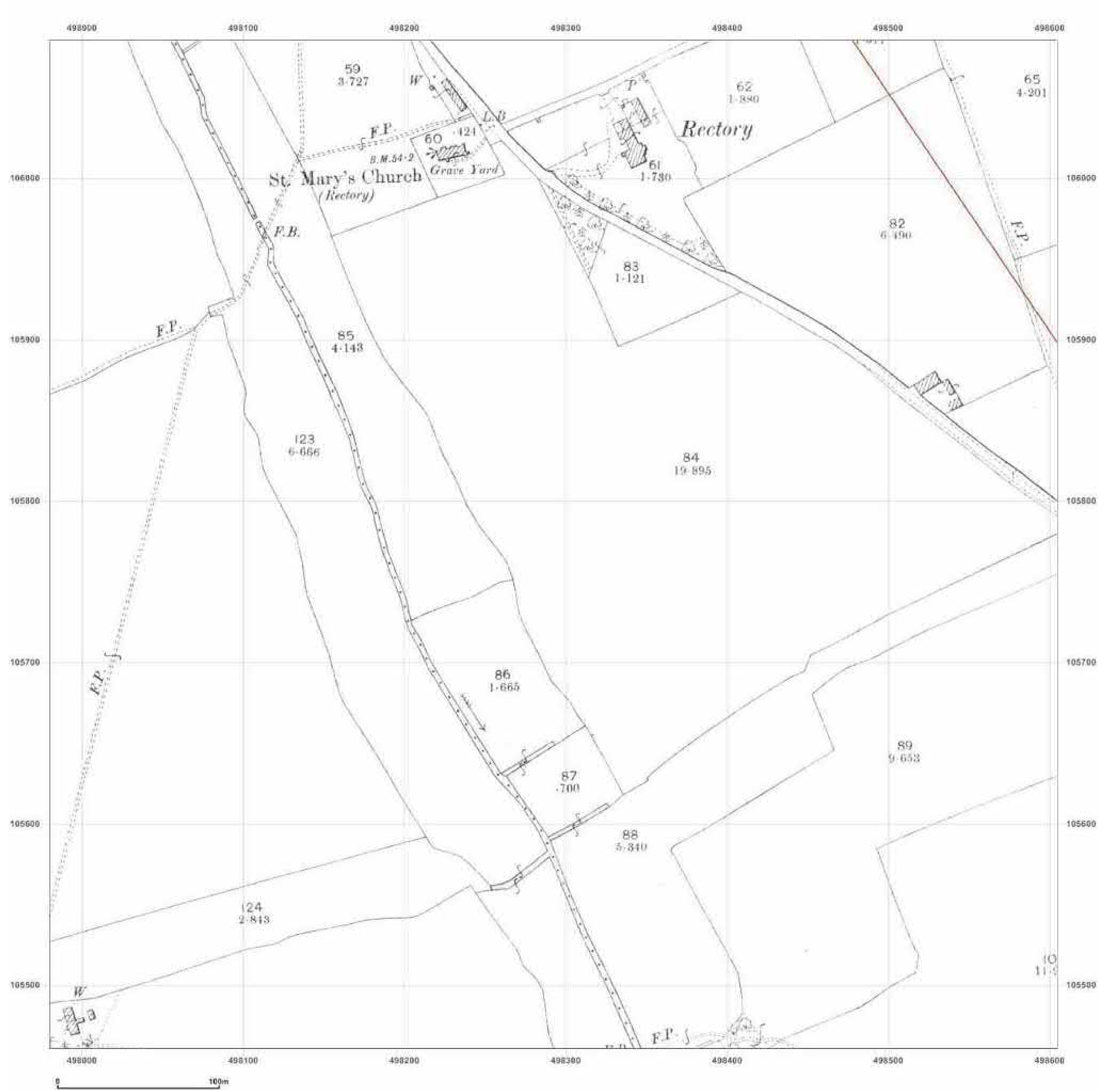

GROUNDSURE INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_2
Grid Ref: 498292, 105773

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1897
Revised 1897
Edition N/A
Copyright N/A
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Production date: 29 April 2015

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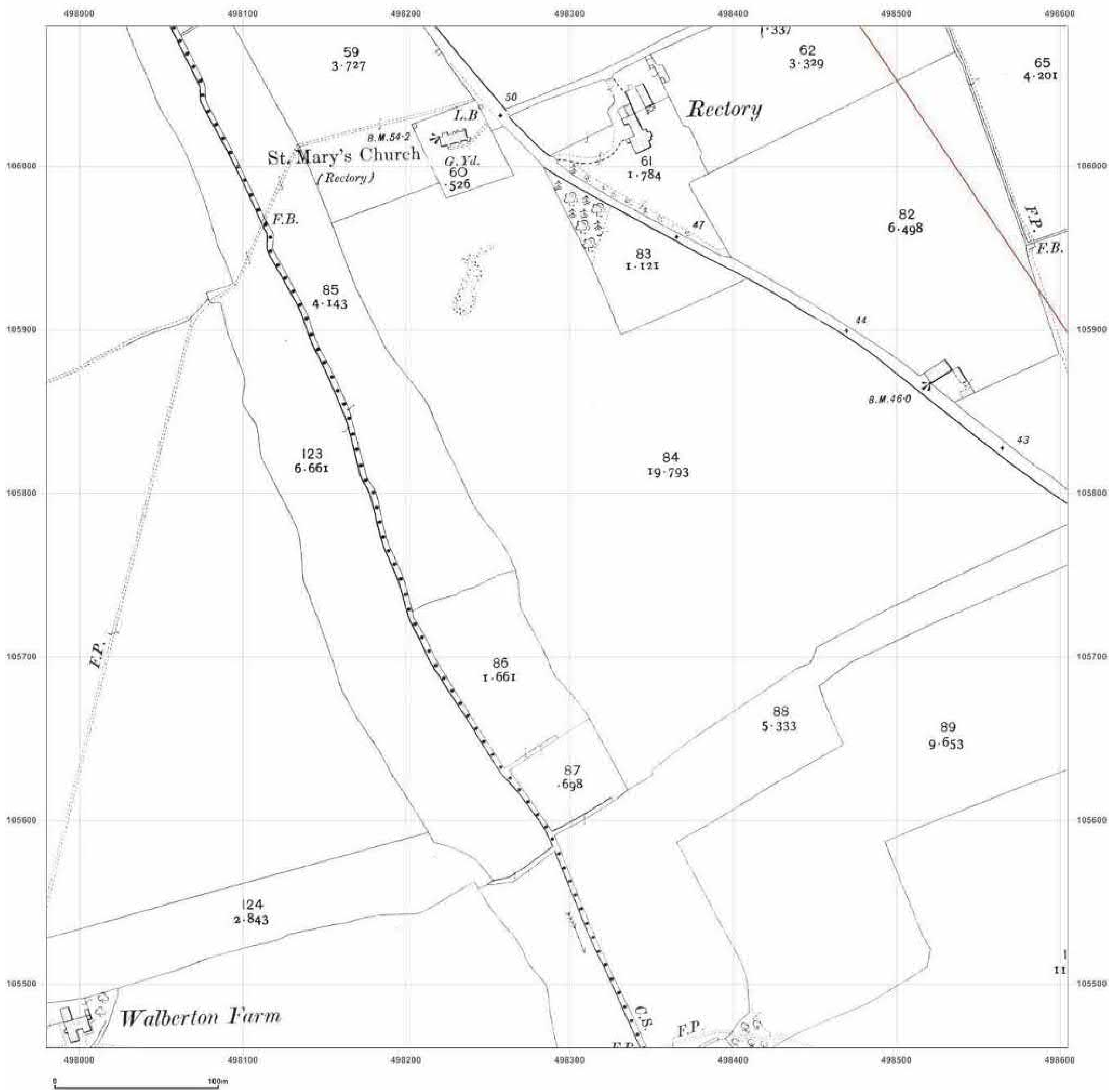

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_2
Grid Ref: 498292, 105773

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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

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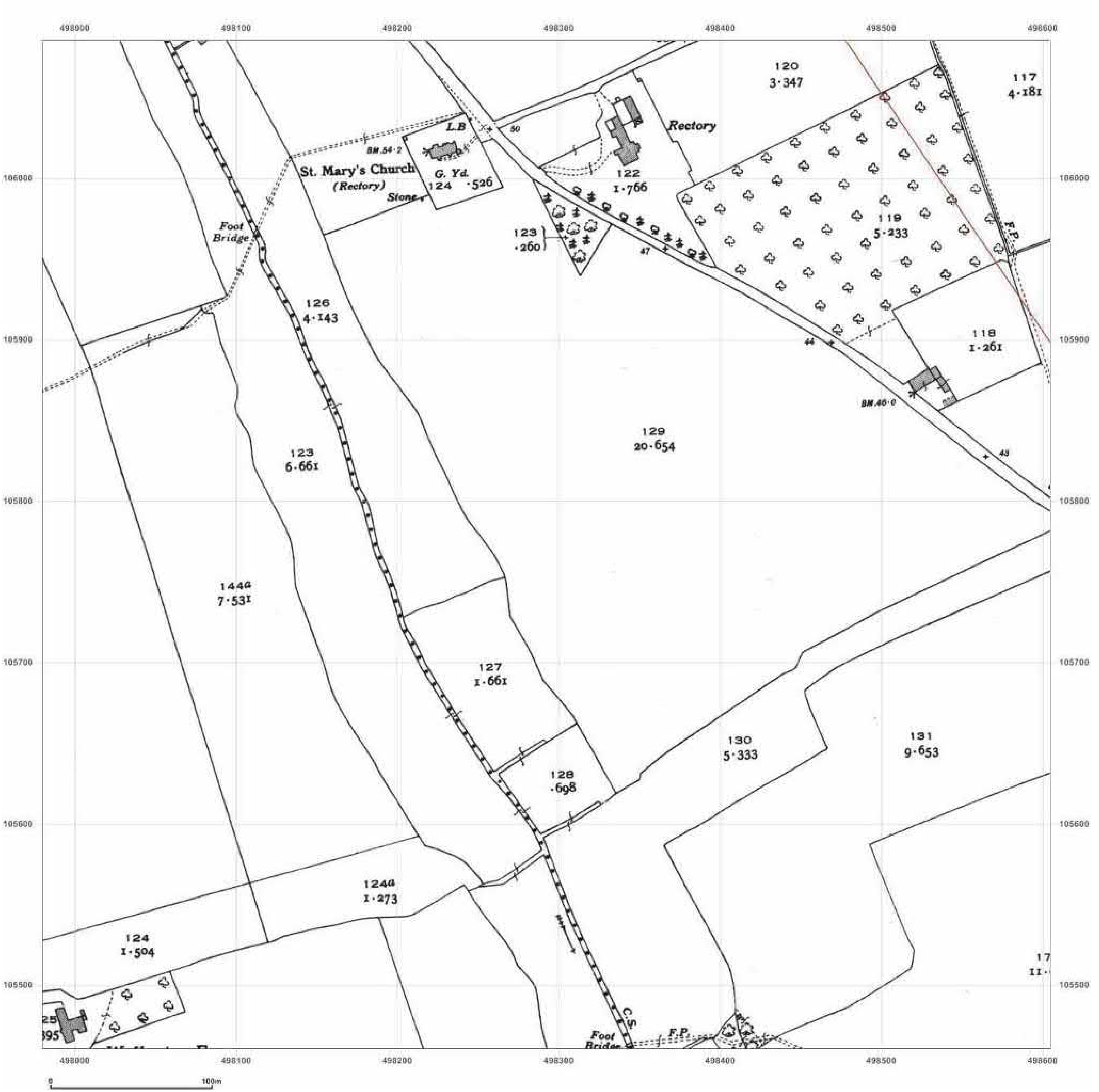

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_2
Grid Ref: 498292, 105773

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1939
Revised 1939
Edition N/A
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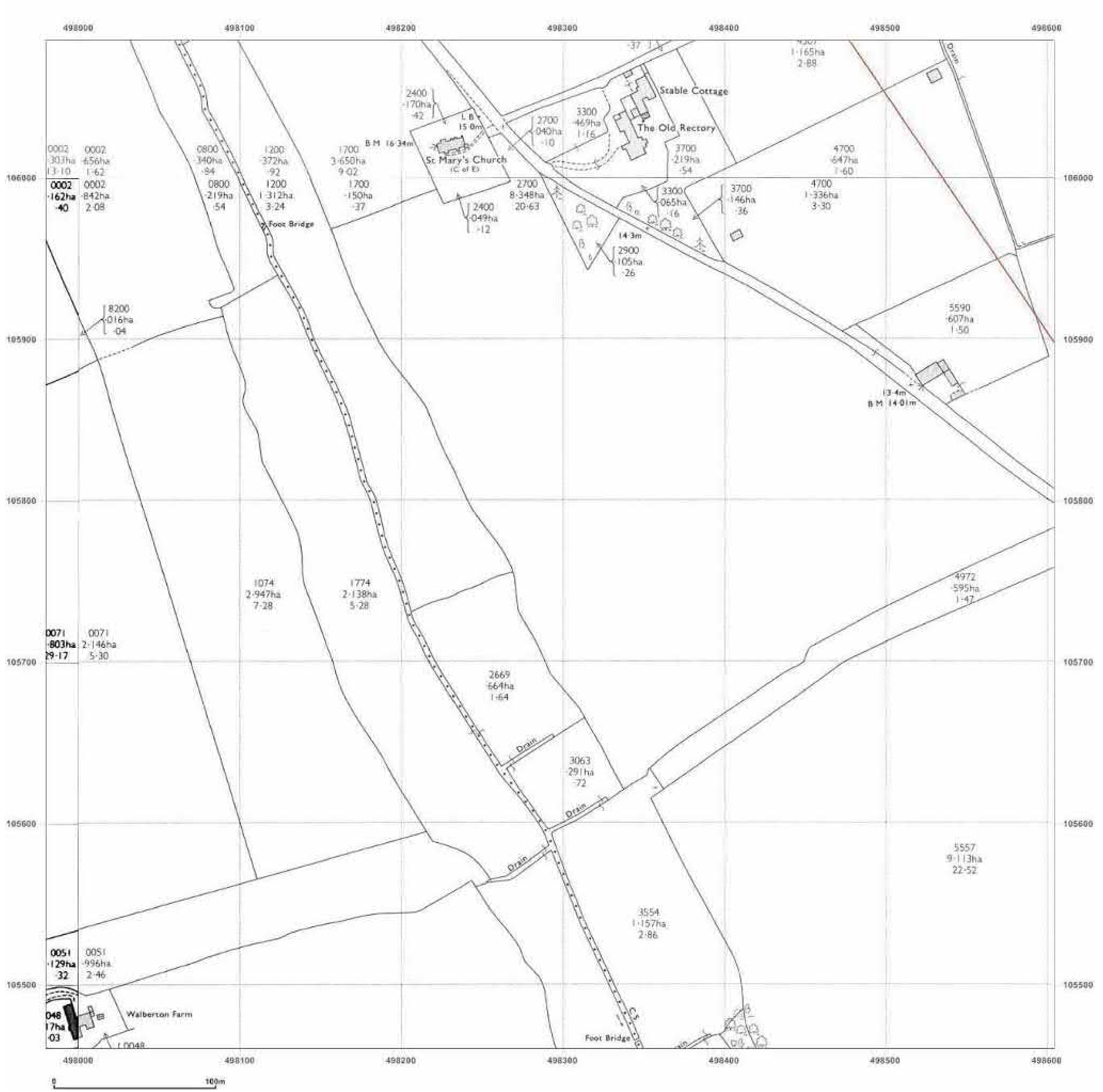

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_2
Grid Ref: 498292, 105773

Map Name: National Grid

Map date: **1973-1974**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1973 Revised 1973 Edition N/A Copyright 1974 Levelled 1950	Surveyed 1973 Revised 1973 Edition N/A Copyright 1974 Levelled 1950
Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1973 Revised 1973 Edition N/A Copyright 1974 Levelled 1950

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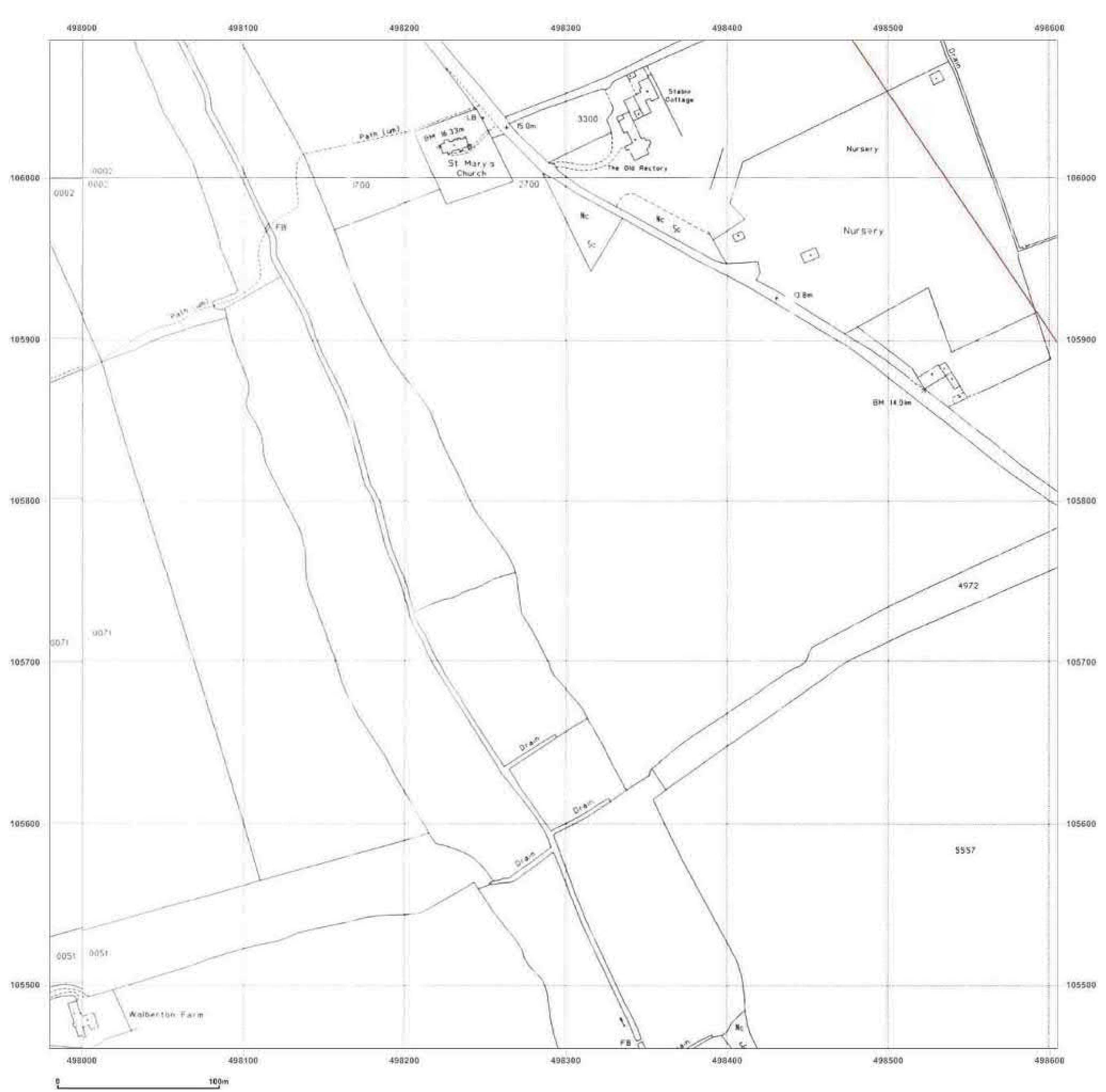

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_2
Grid Ref: 498292, 105773

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:2,500

Printed at: 1:2,500

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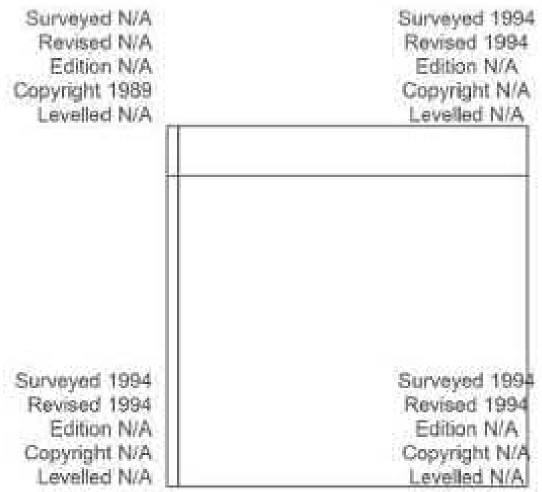

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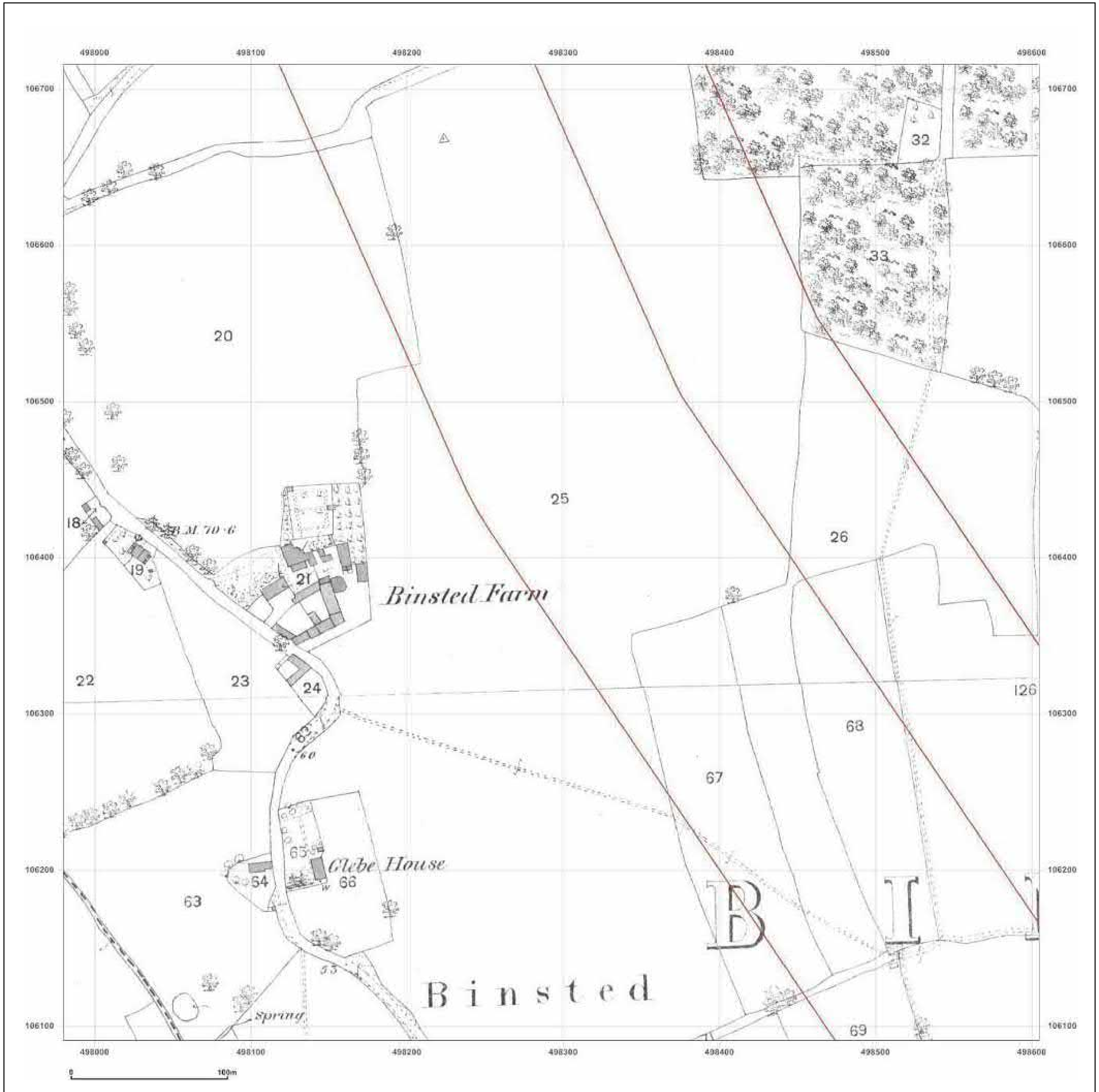

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_3
Grid Ref: 498292, 106403

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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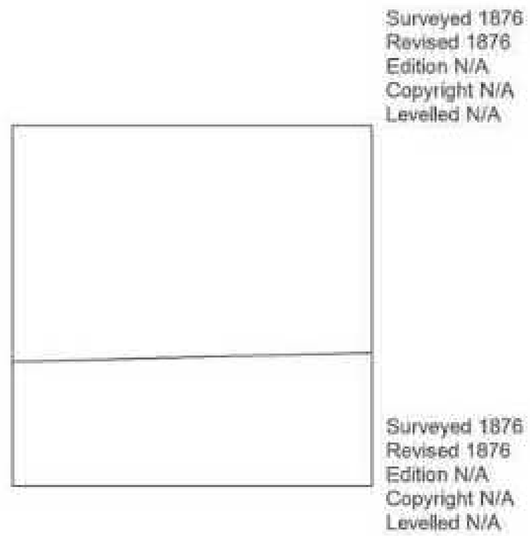

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Production date: 29 April 2015

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_3
Grid Ref: 498292, 106403

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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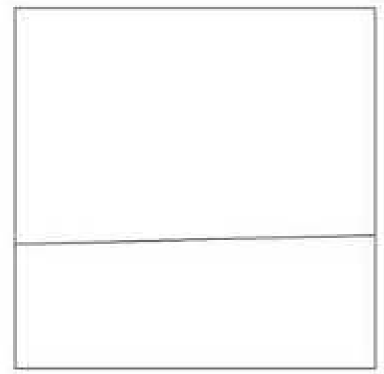

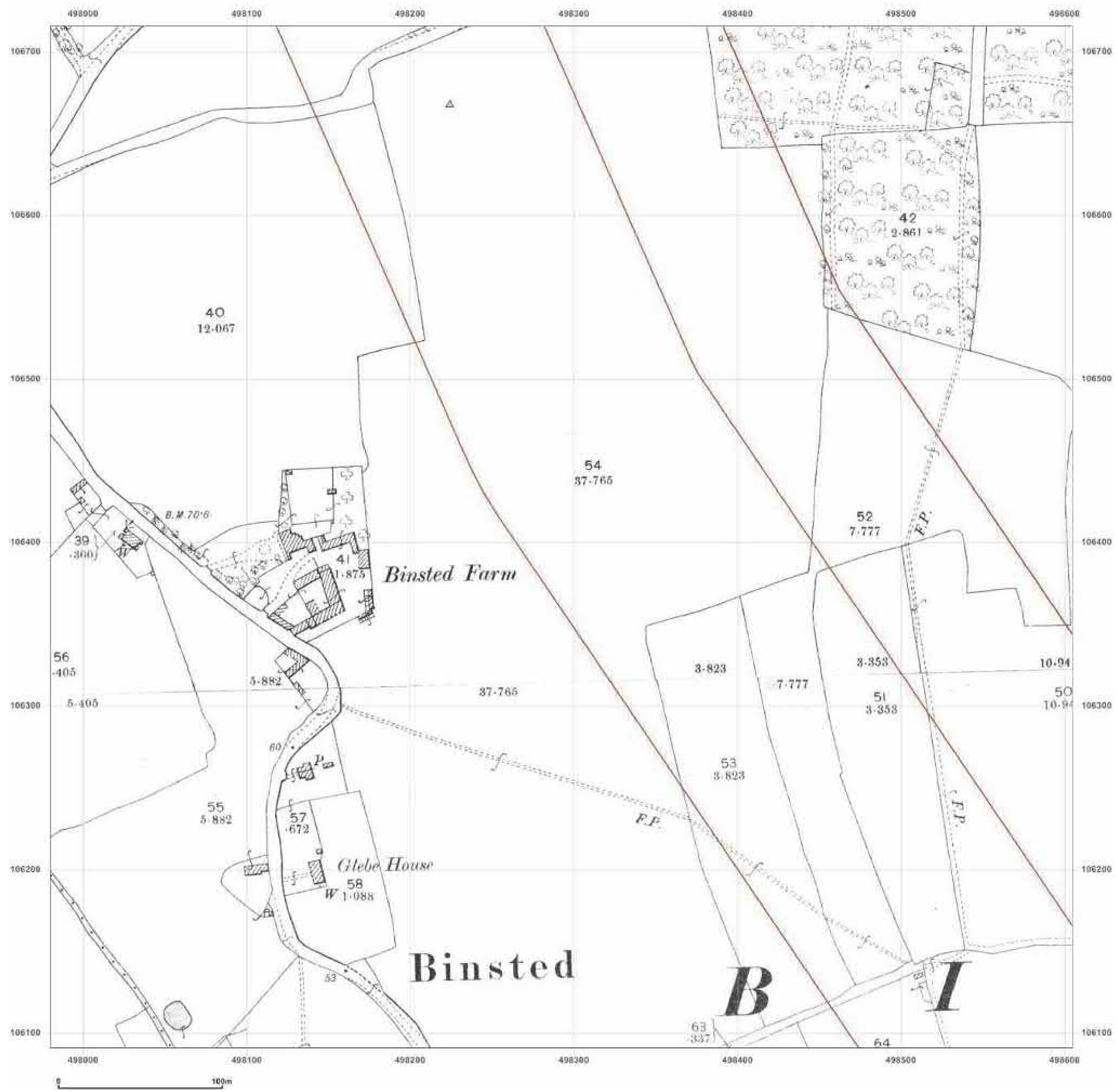

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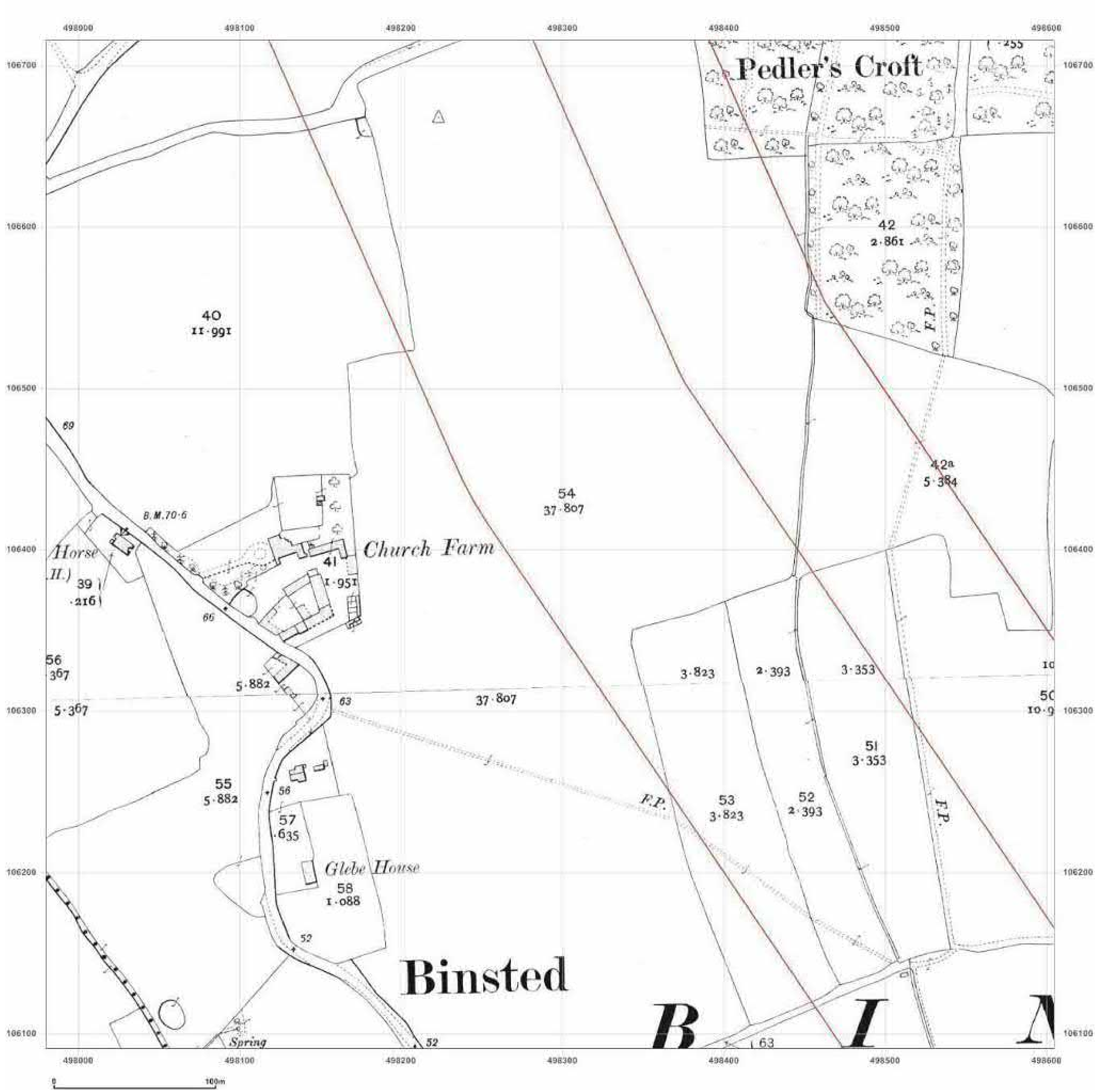


Groundsure INSIGHTS

Site Details:

ARUNDEL

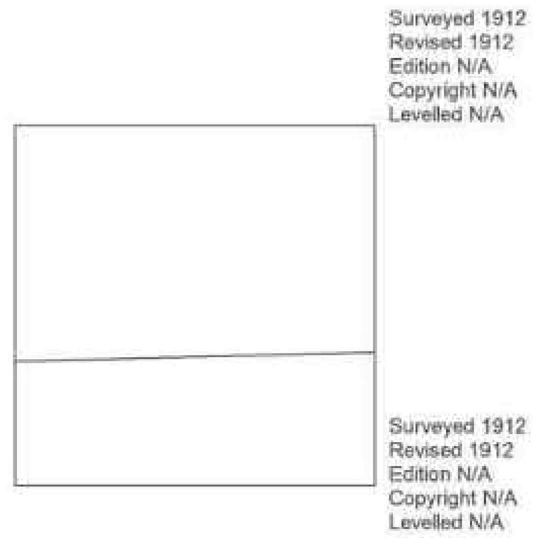
Client Ref: PO86494
Report Ref: GS-2047500_LS_2_3
Grid Ref: 498292, 106403

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500



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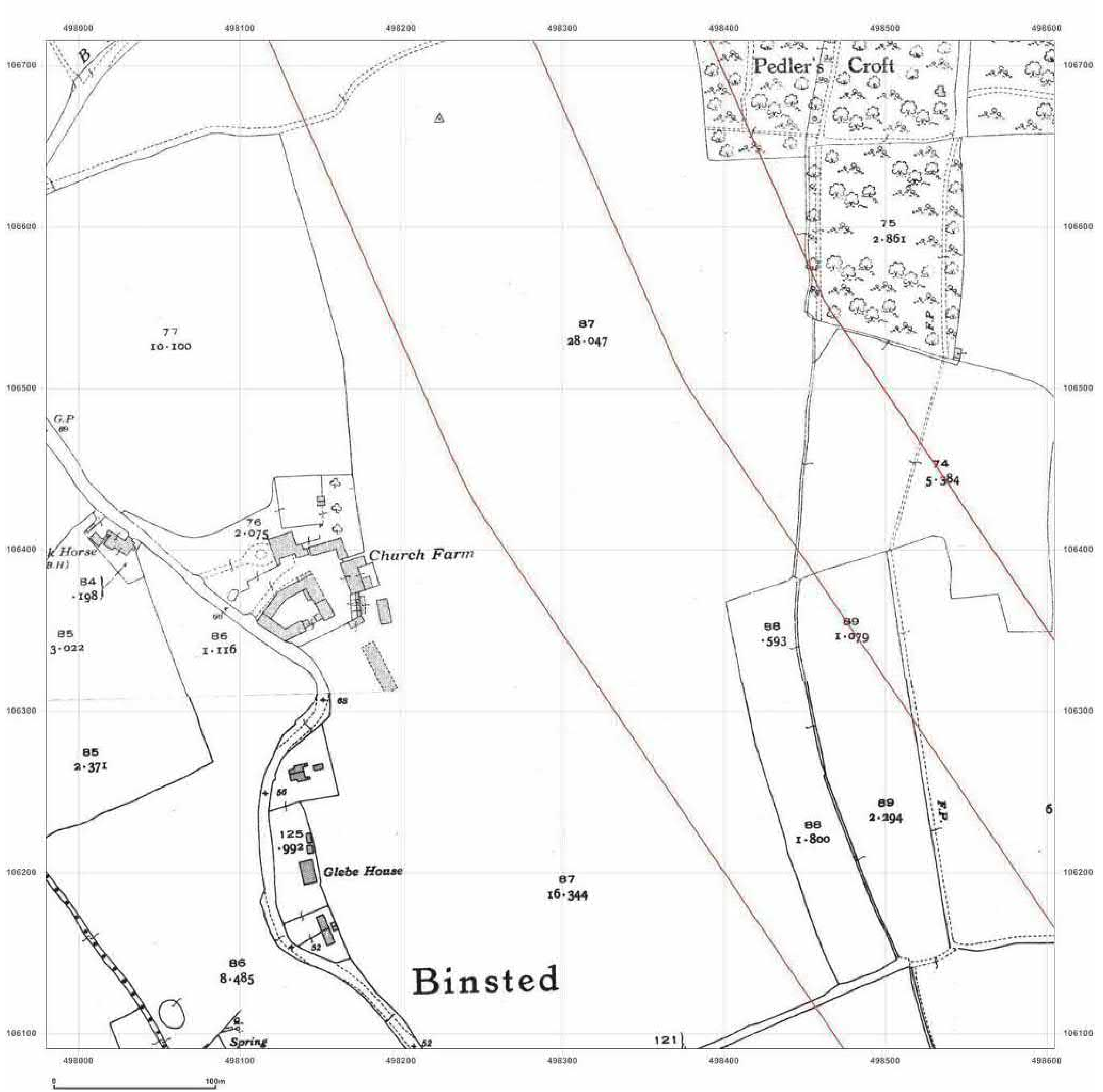

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_3
Grid Ref: 498292, 106403

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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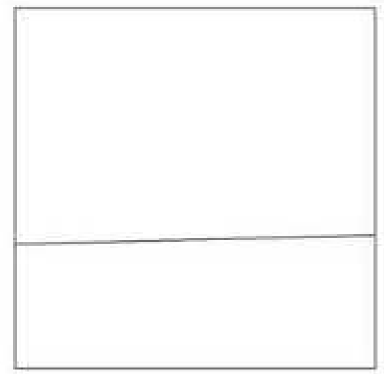

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Production date: 29 April 2015

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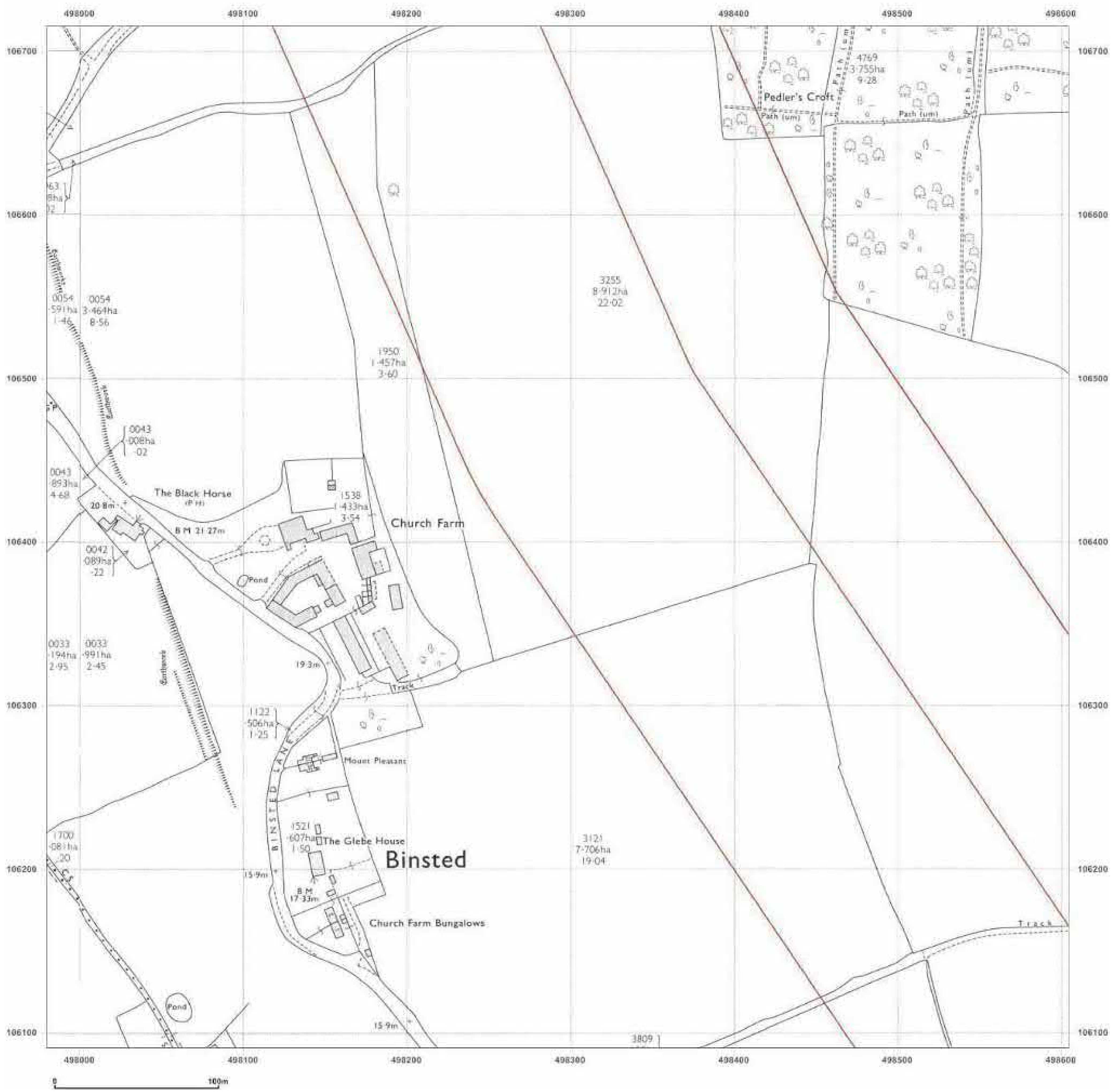

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_3
Grid Ref: 498292, 106403

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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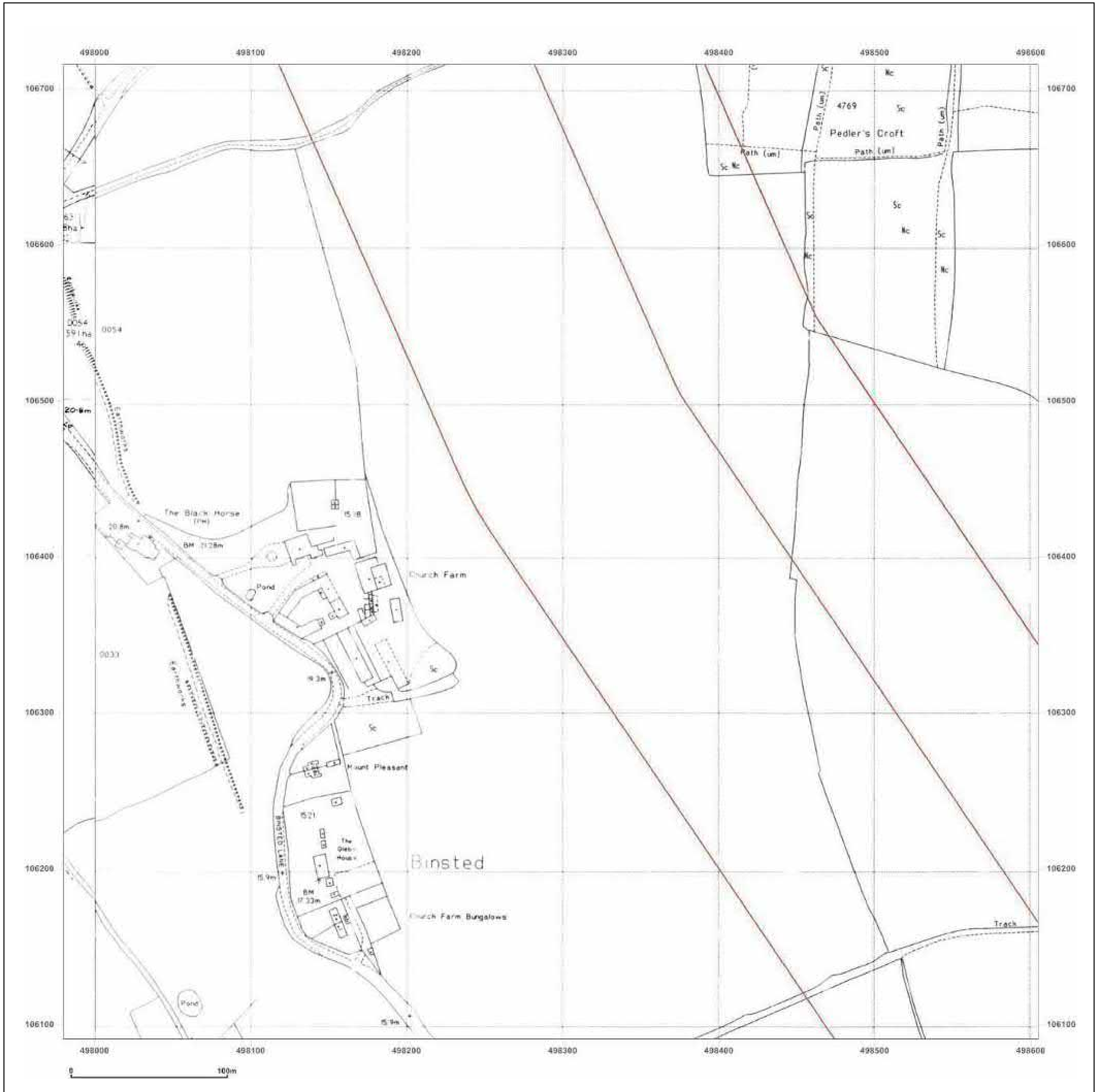

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_3
Grid Ref: 498292, 106403

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:2,500

Printed at: 1:2,500

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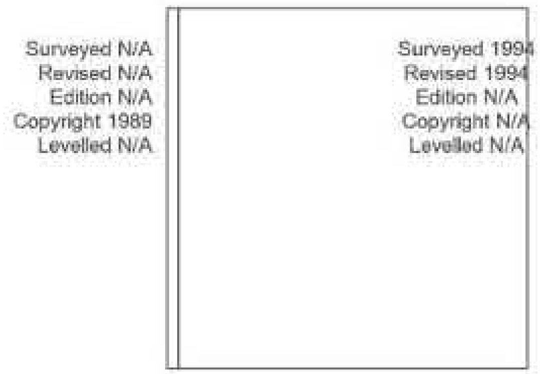

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Production date: 29 April 2015

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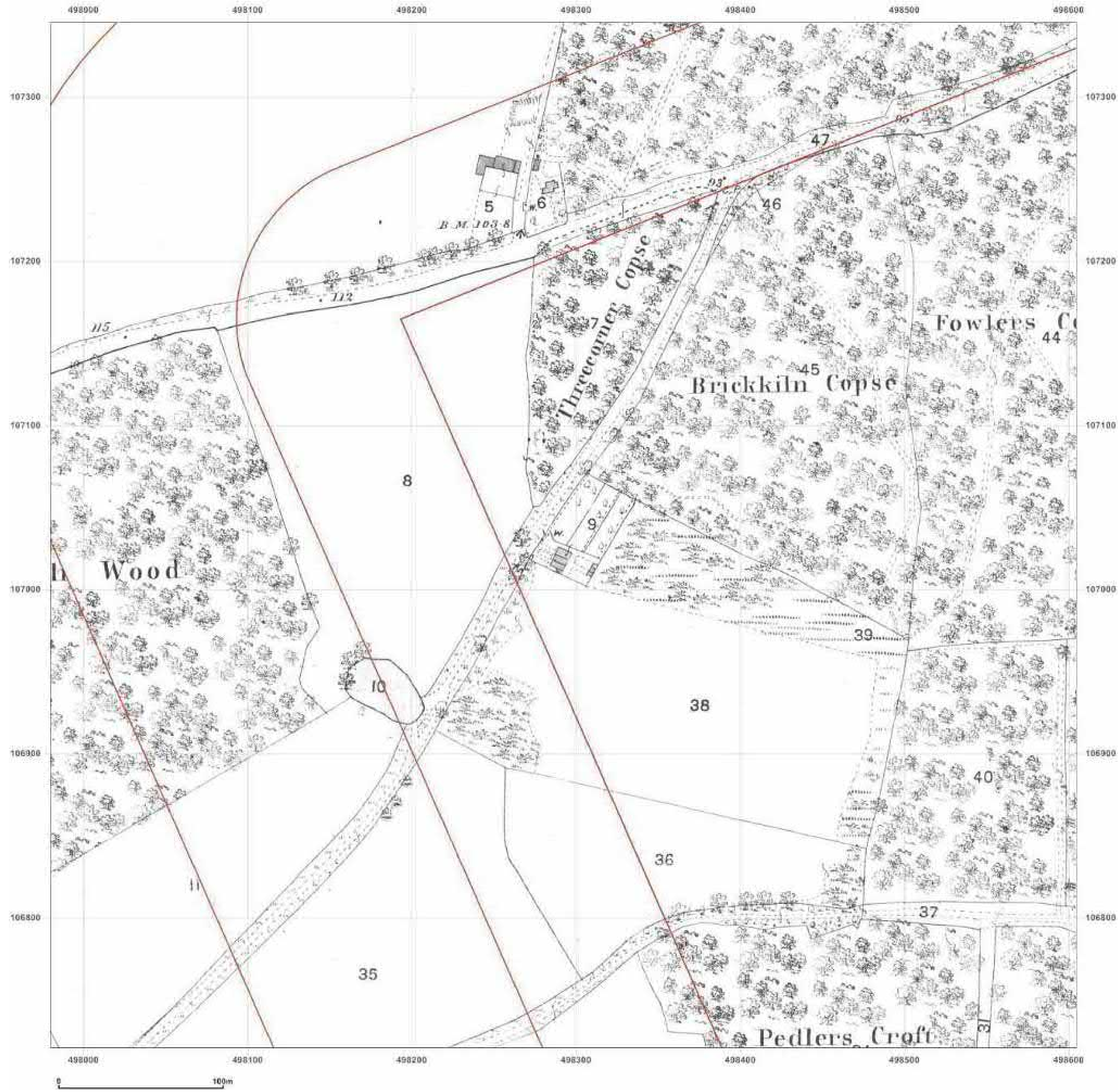

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_4
Grid Ref: 498292, 107033

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
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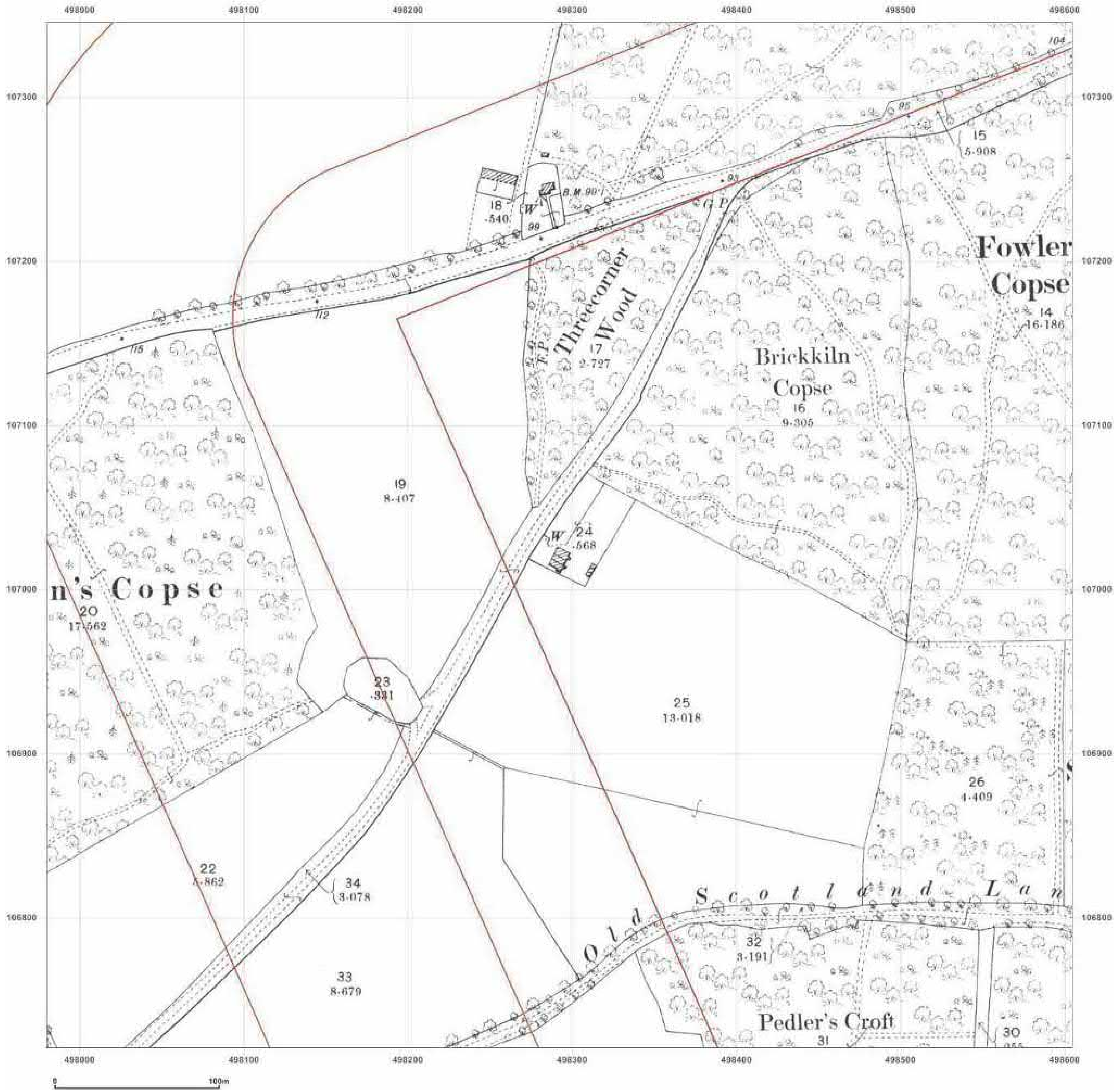
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_4
Grid Ref: 498292, 107033

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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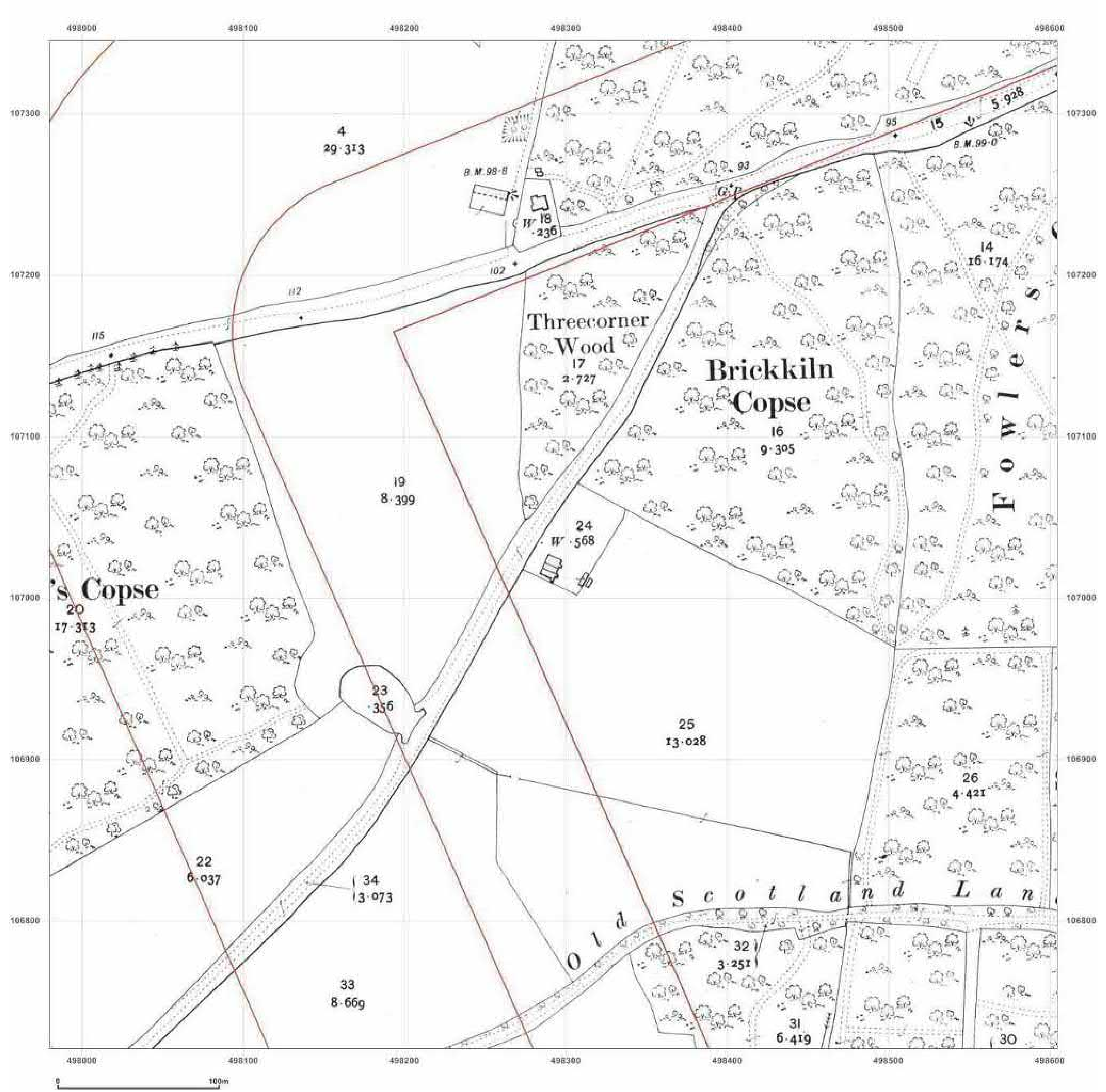

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_4
Grid Ref: 498292, 107033

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

N W E S

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

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Production date: 29 April 2015

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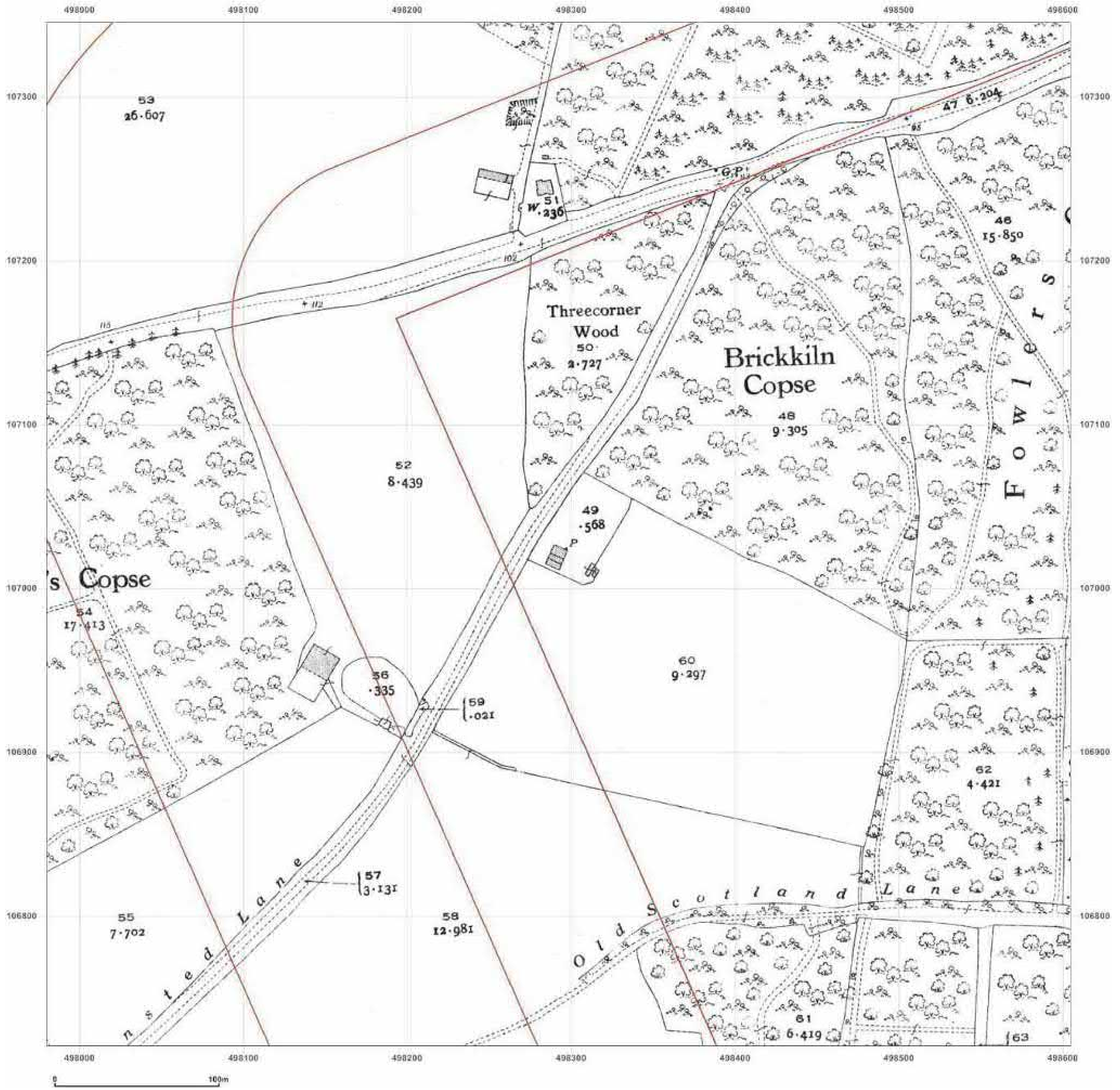

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_4
Grid Ref: 498292, 107033

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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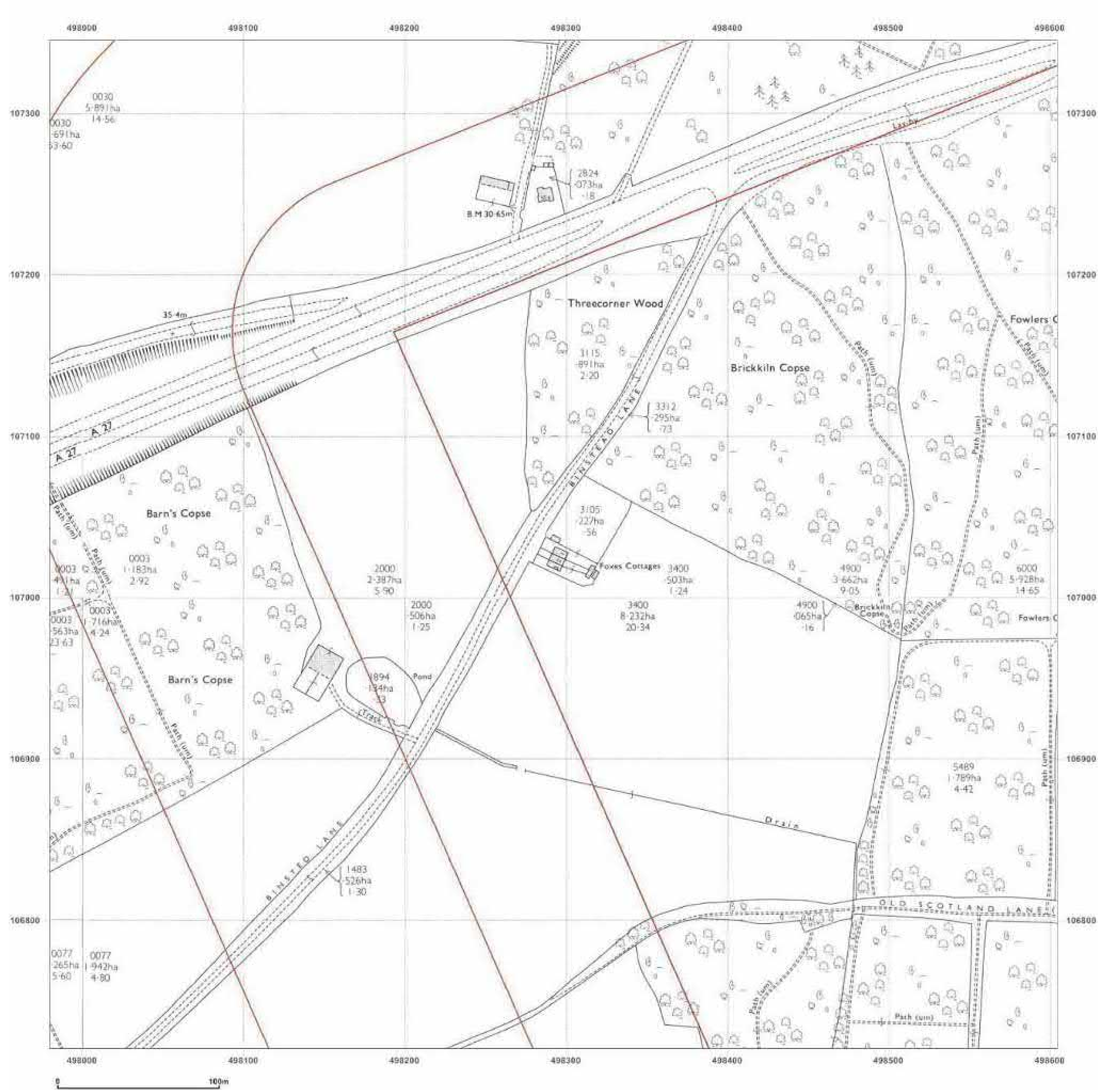

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_4
Grid Ref: 498292, 107033

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
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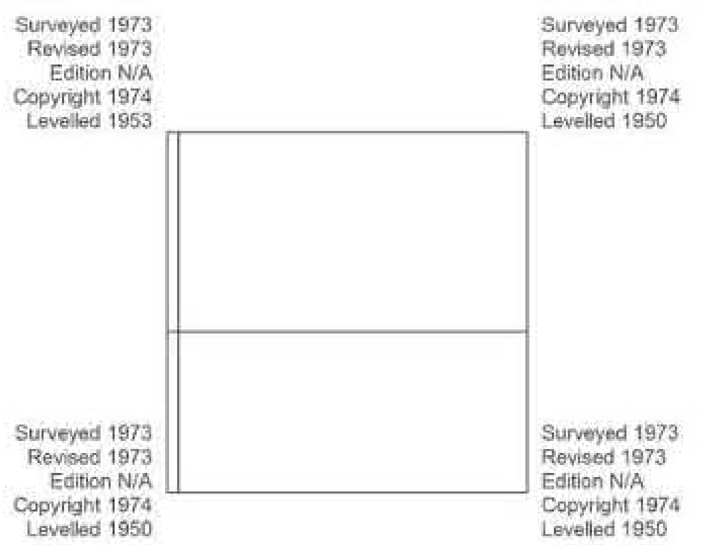

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Production date: 29 April 2015

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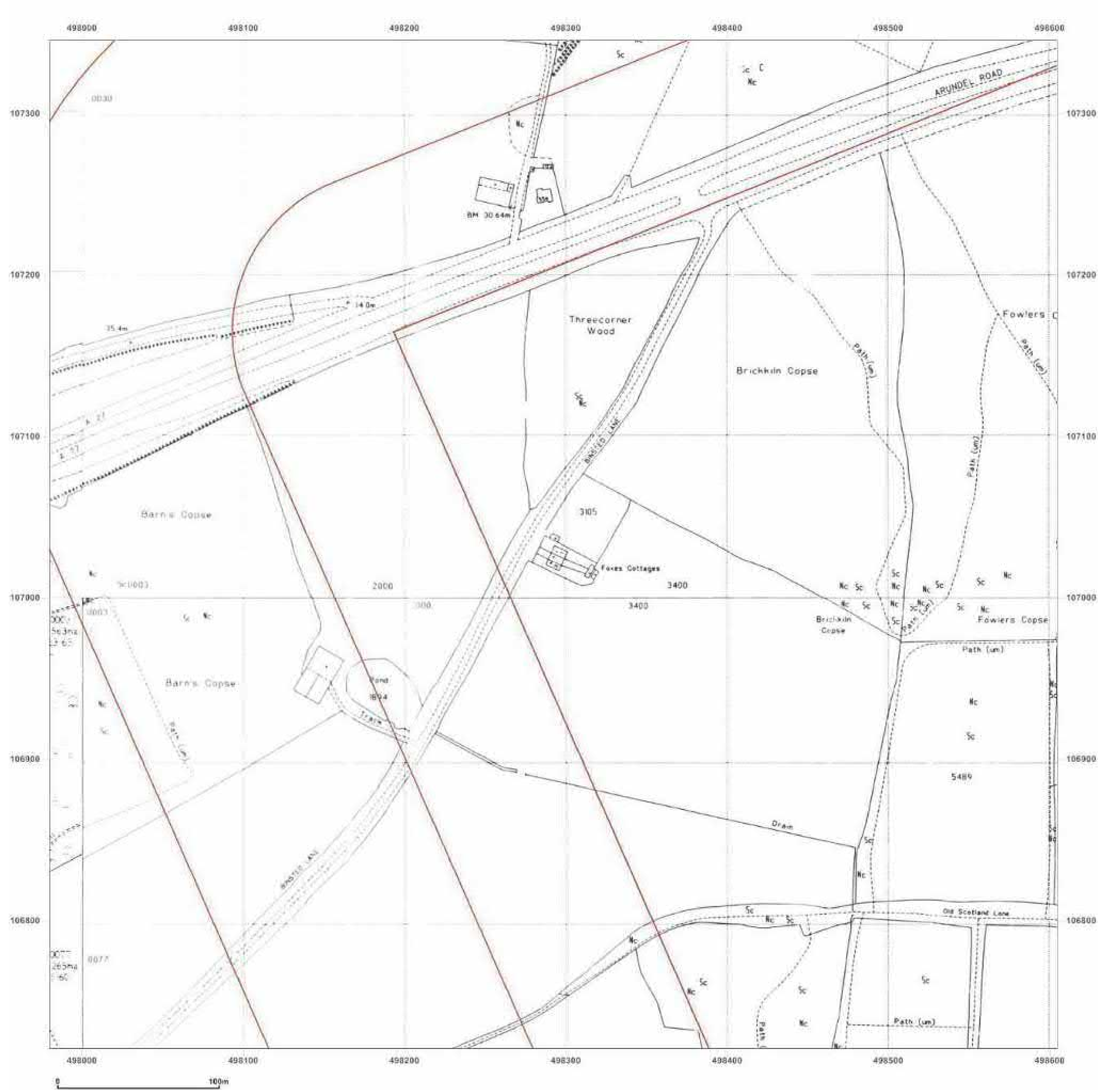

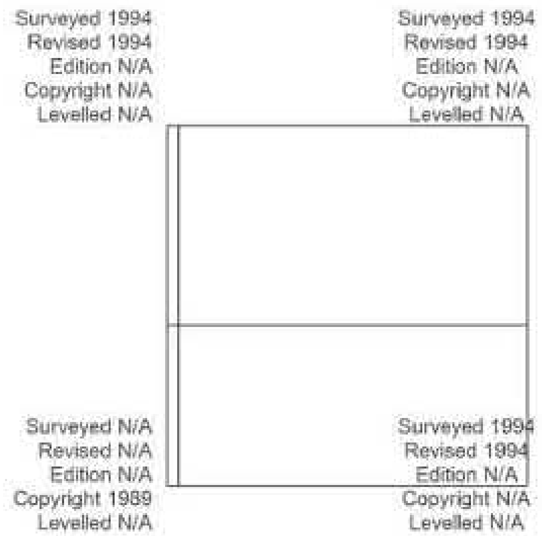

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_4
Grid Ref: 498292, 107033

Map Name: National Grid

Map date: **1989-1994**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

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Production date: 29 April 2015

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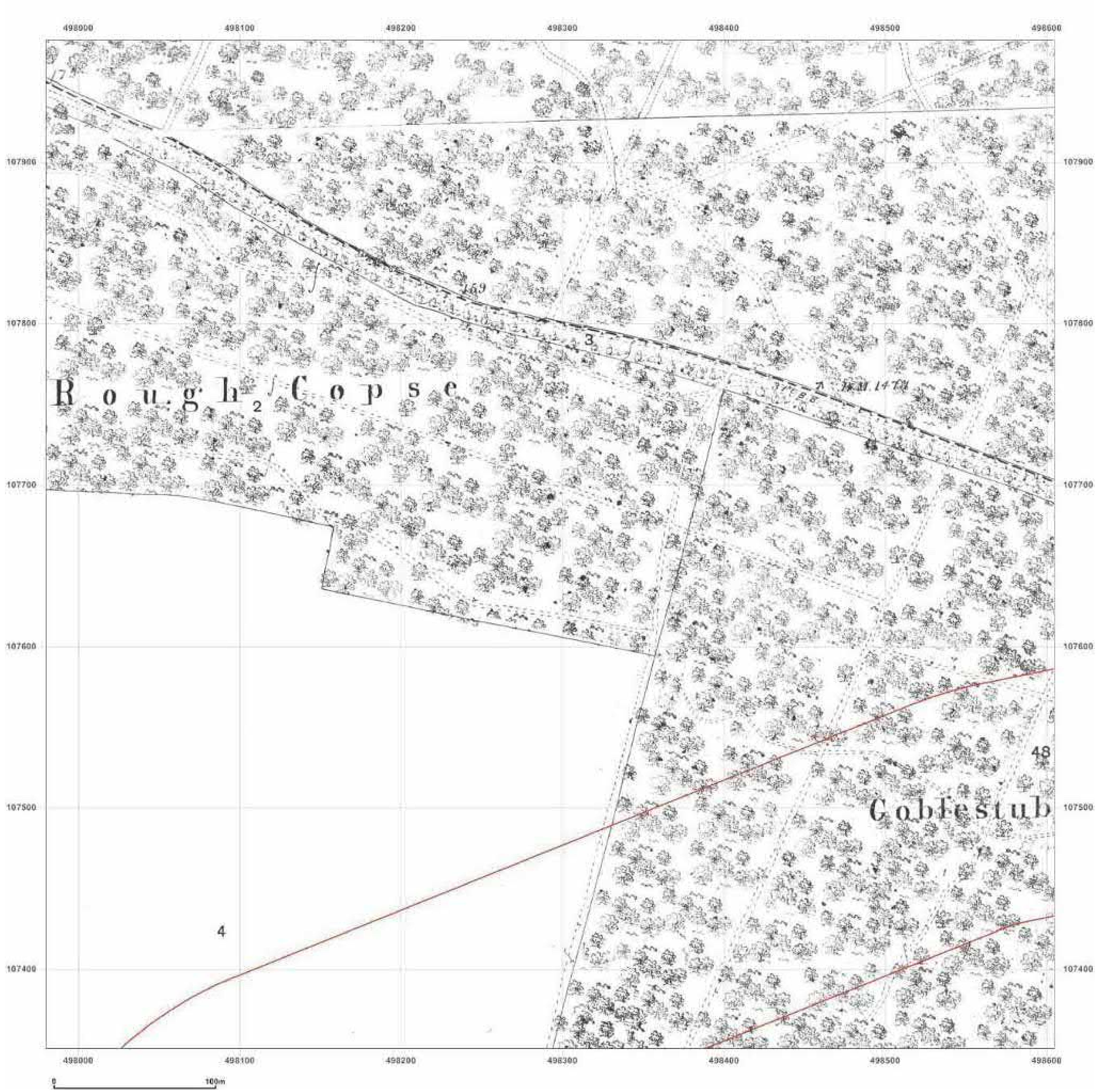

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_5
Grid Ref: 498292, 107663

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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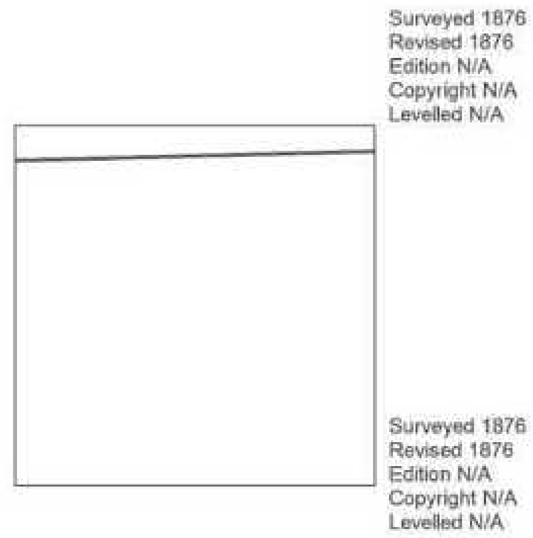

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Production date: 29 April 2015

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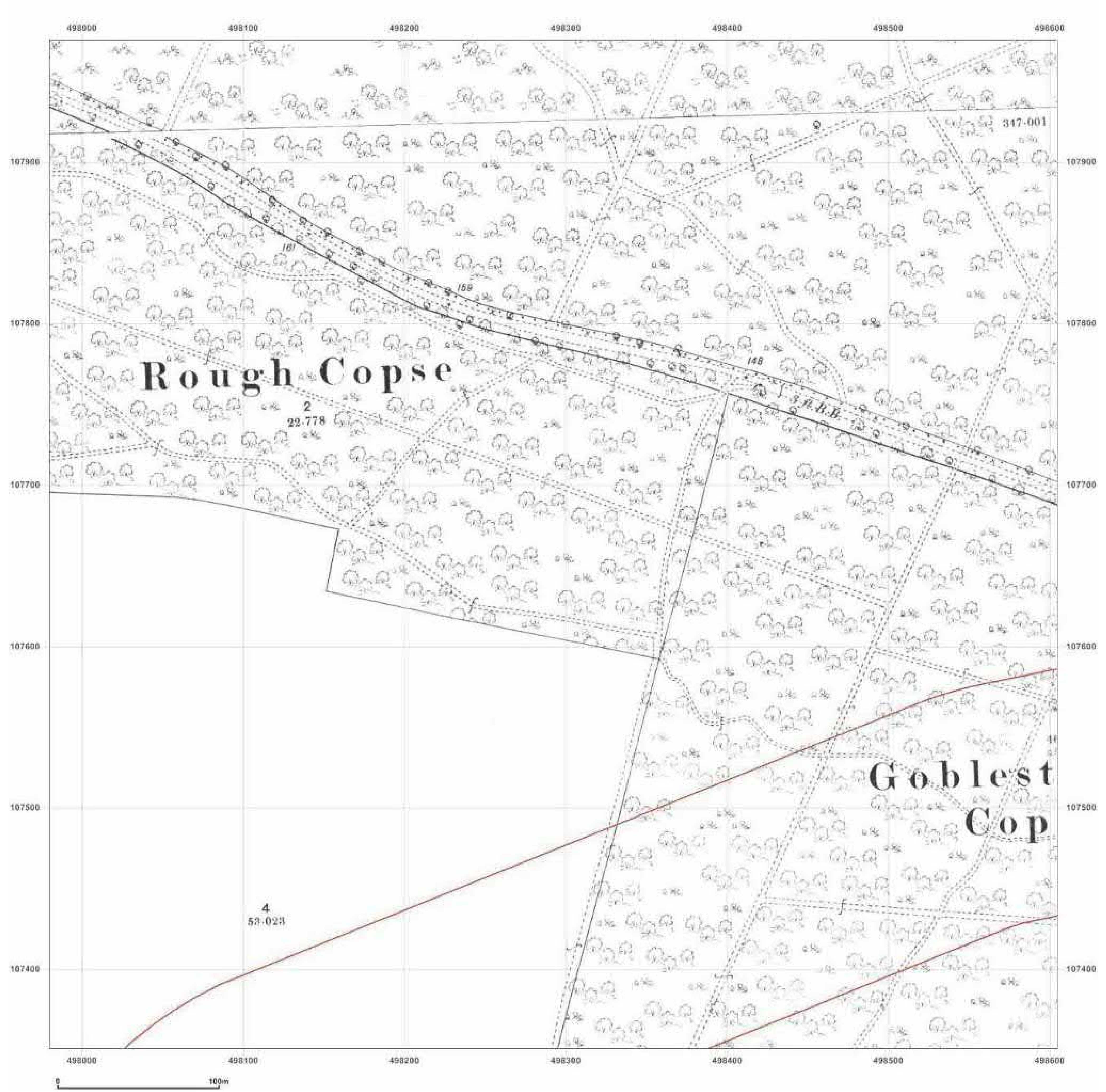

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_5
Grid Ref: 498292, 107663

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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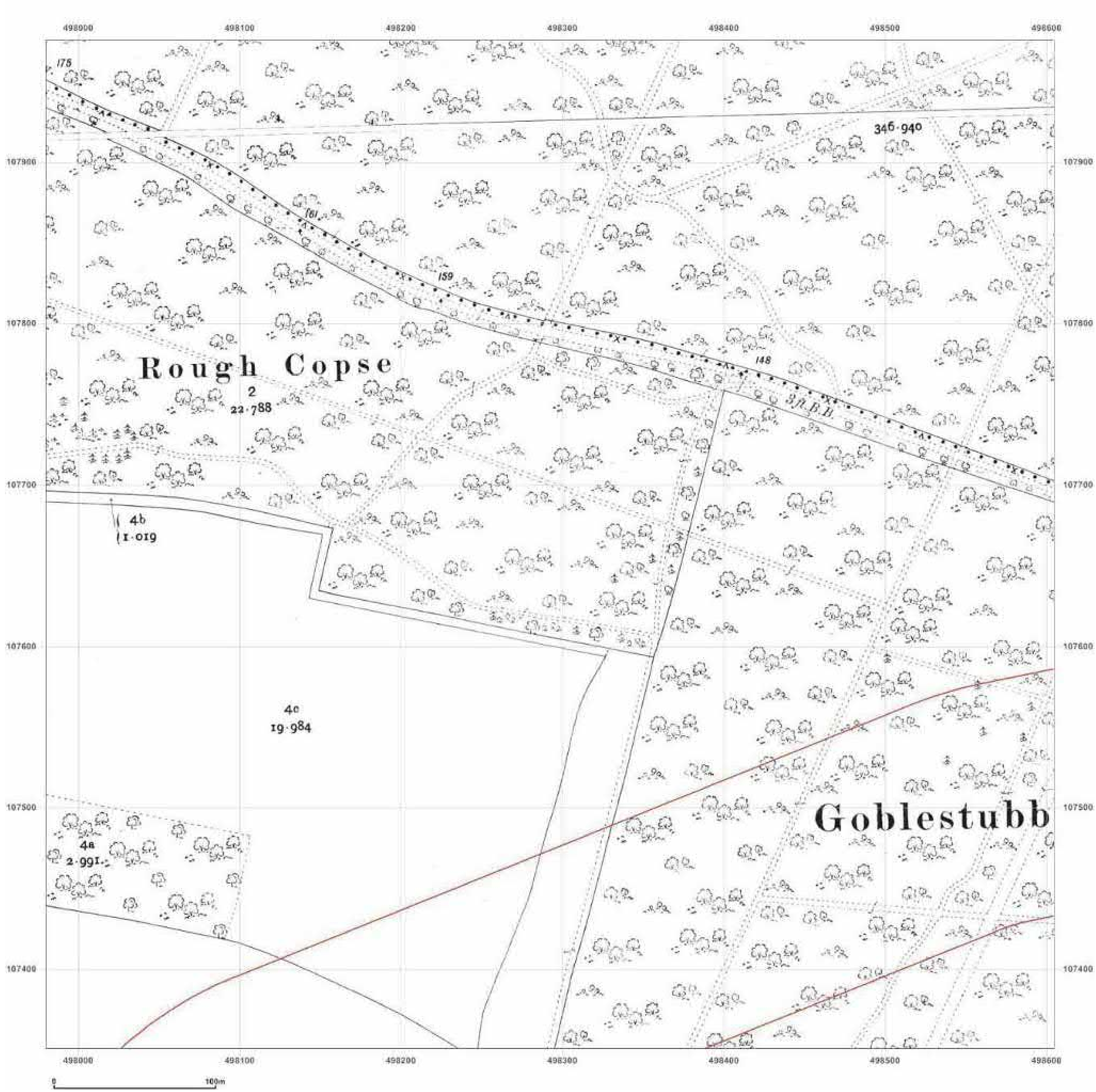
Production date: 29 April 2015

To view map legend click here *Legend*

Groundsure INSIGHTS



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_5
Grid Ref: 498292, 107663

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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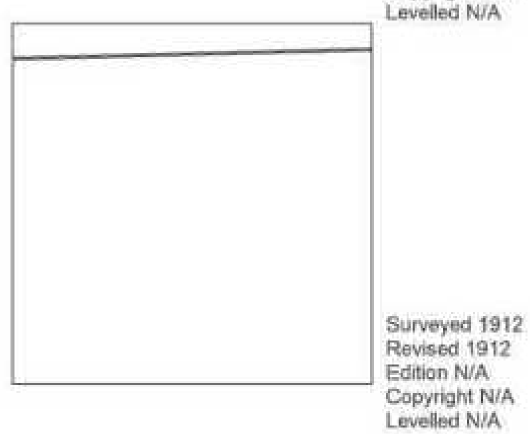

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Production date: 29 April 2015

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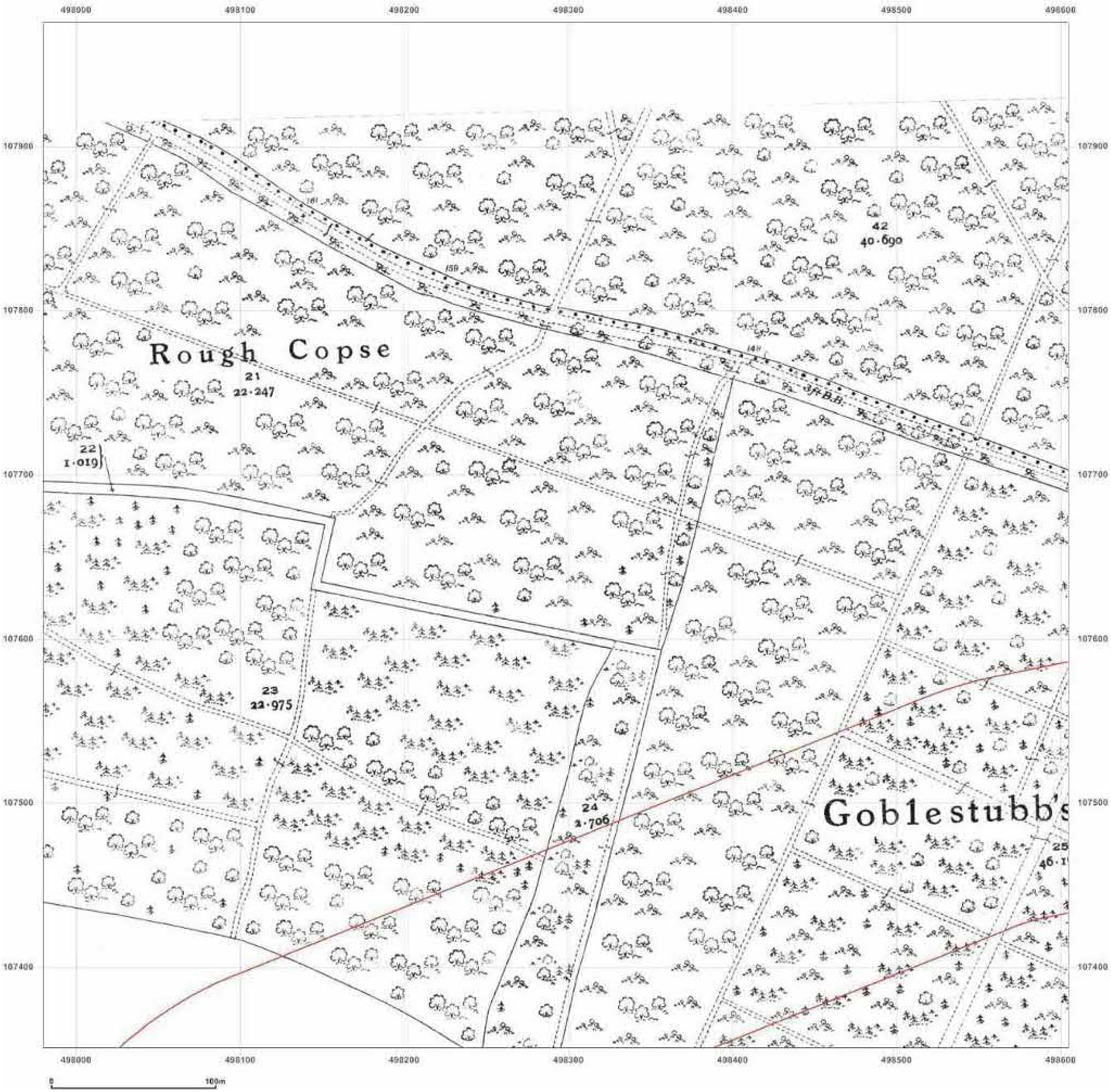

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_5
Grid Ref: 498292, 107663

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
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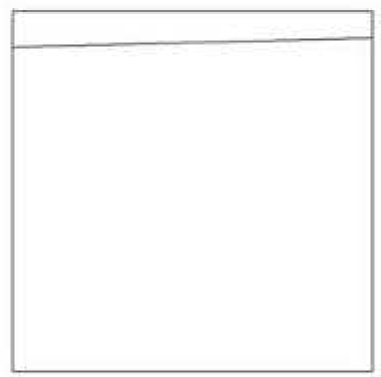

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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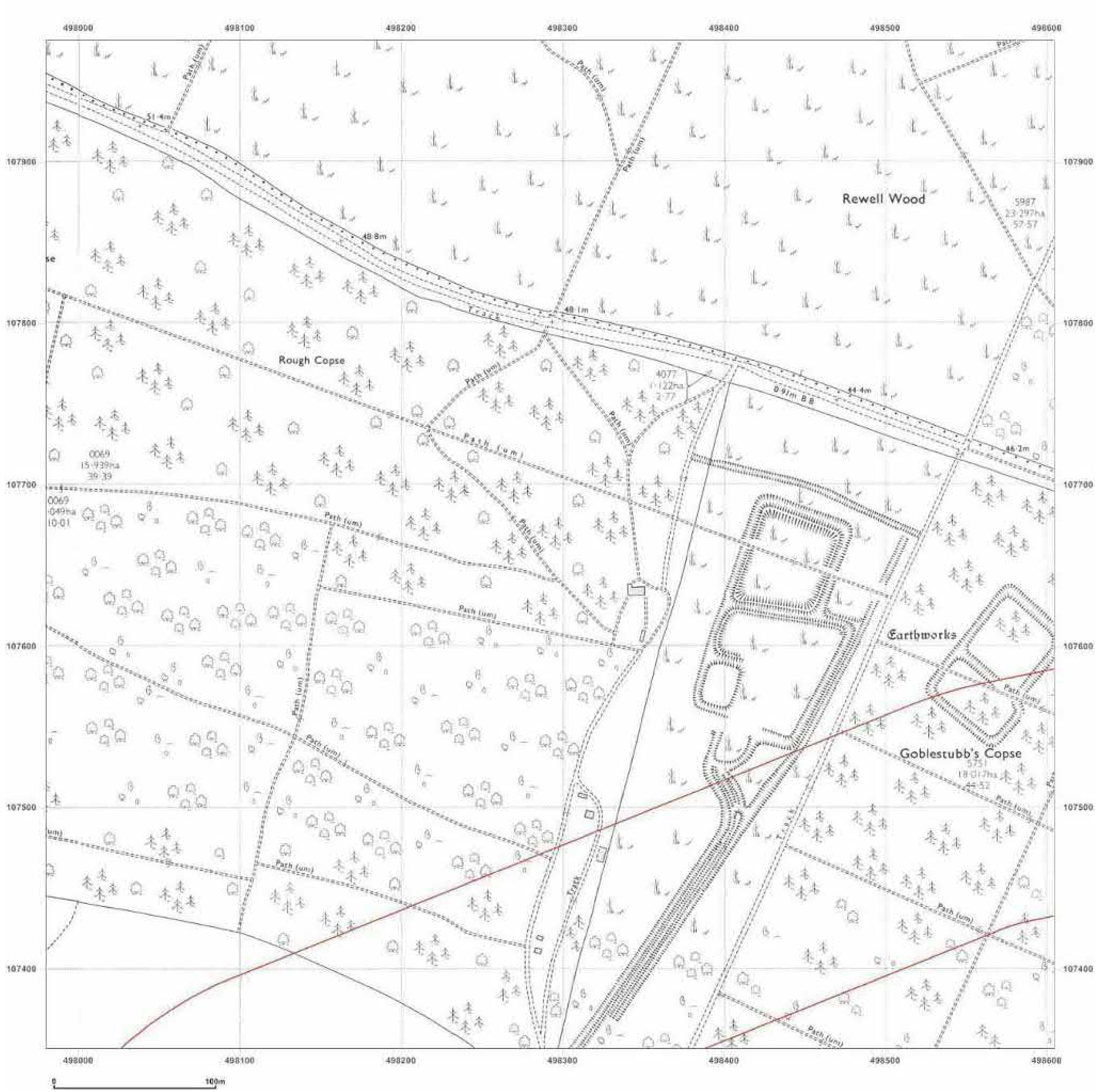

Groundsure INSIGHTS

Site Details:
ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_5
Grid Ref: 498292, 107663

Map Name: National Grid
Map date: **1973**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1953

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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Production date: 29 April 2015

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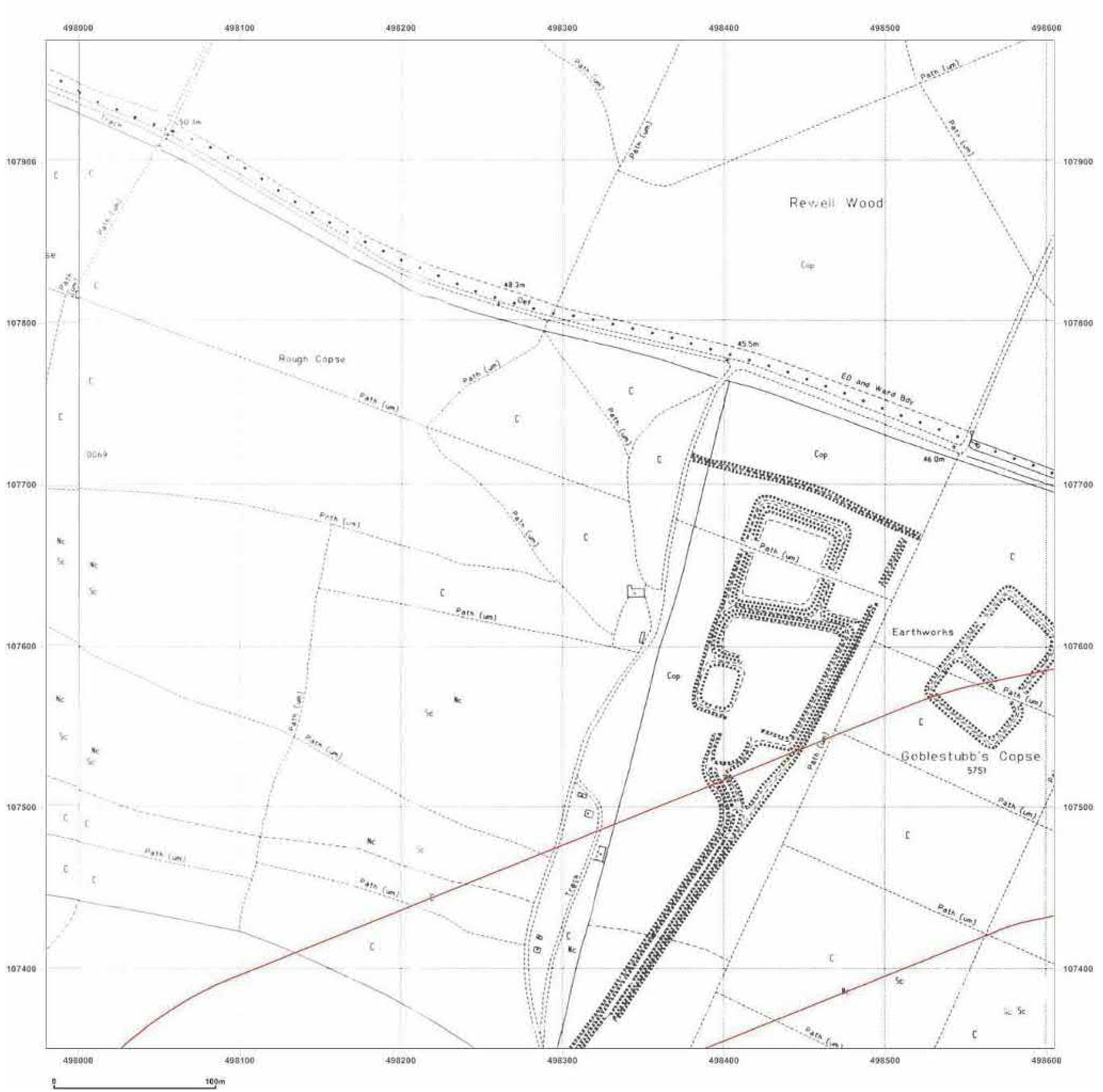

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_2_5
Grid Ref: 498292, 107663

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

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Production date: 29 April 2015

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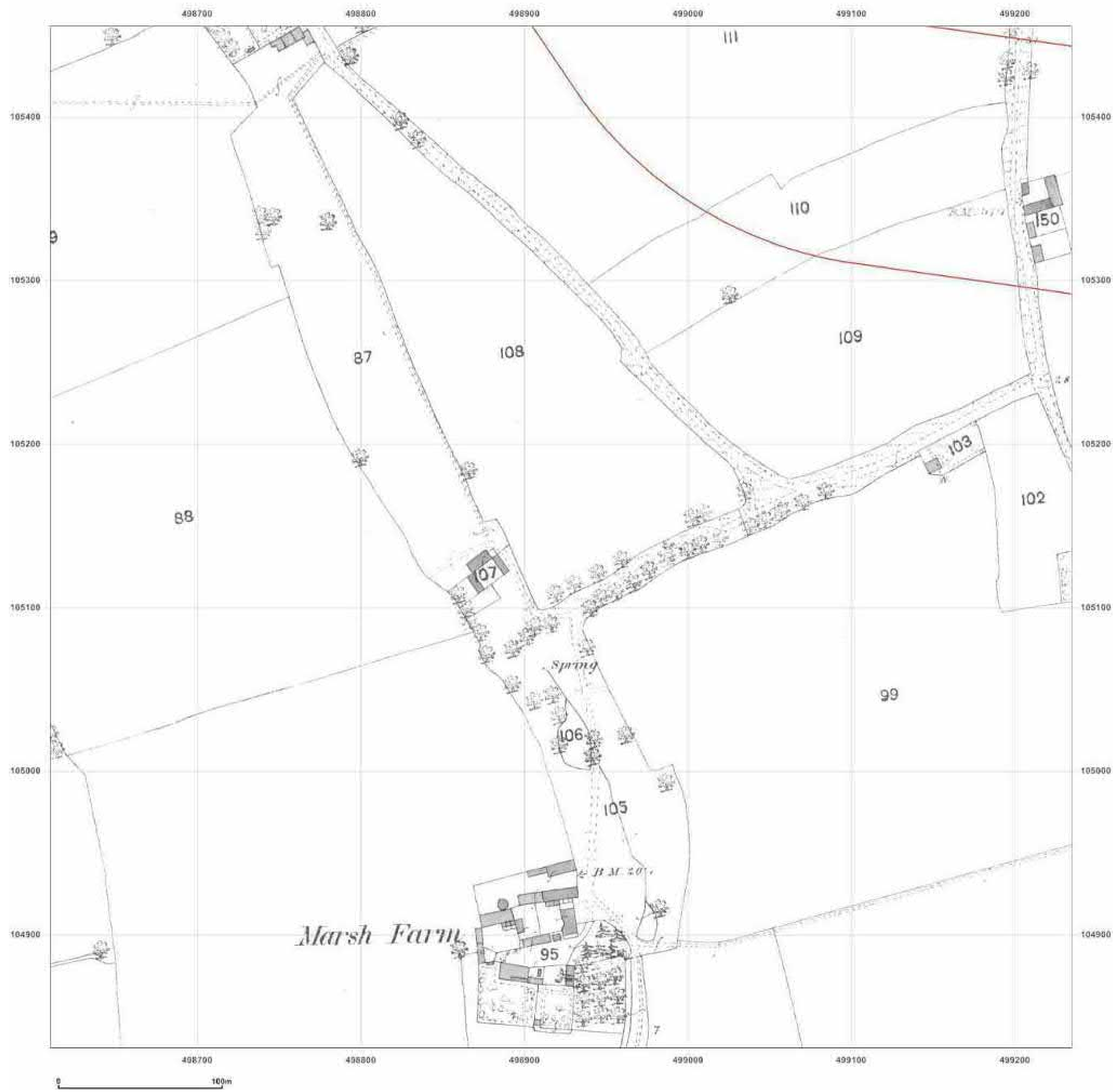

Groundsure
INSIGHTS

Site Details:
ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: County Series
Map date: **1876**
Scale: 1:2,500
Printed at: 1:2,500

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

Produced by
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Production date: 29 April 2015

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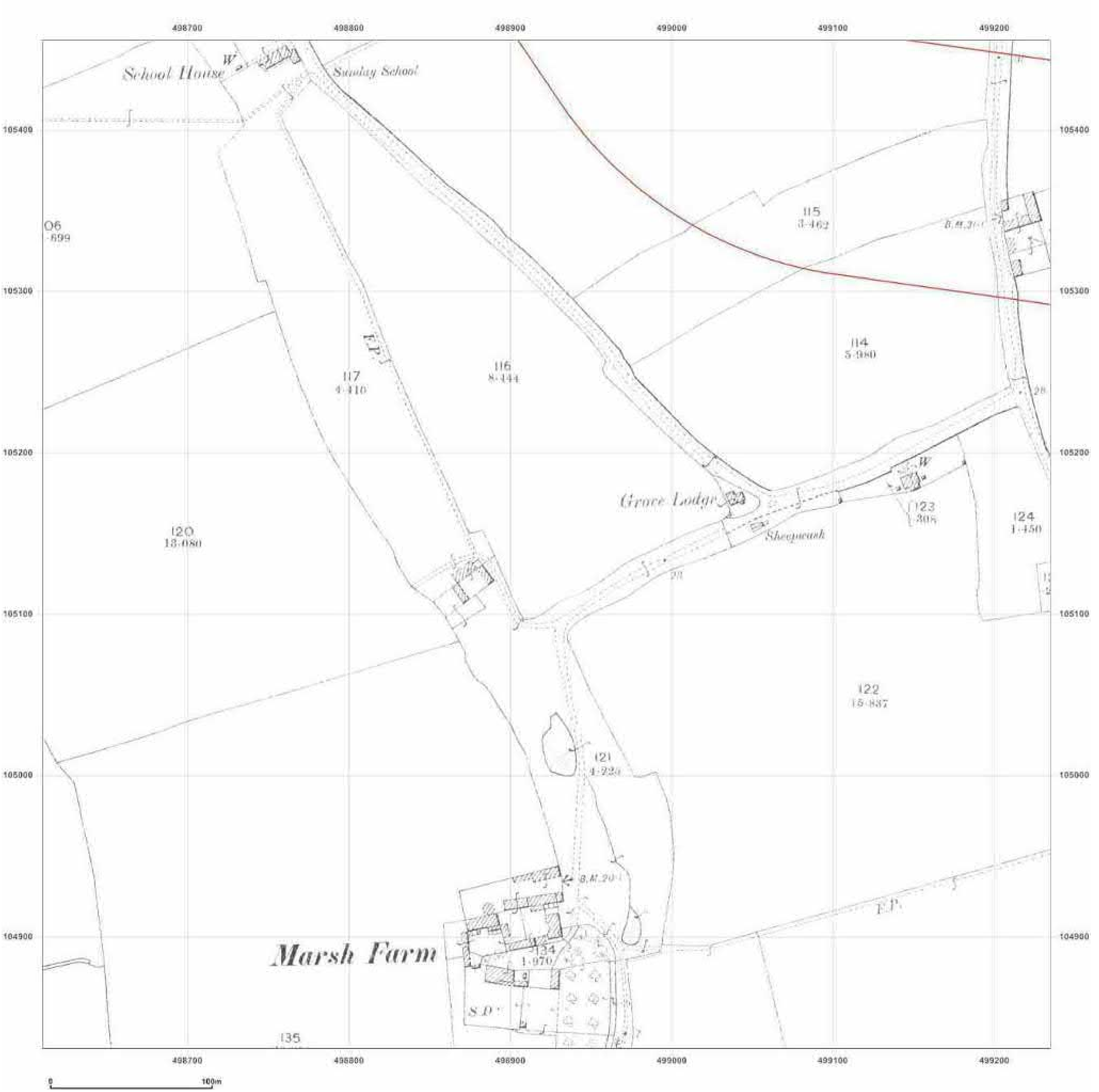

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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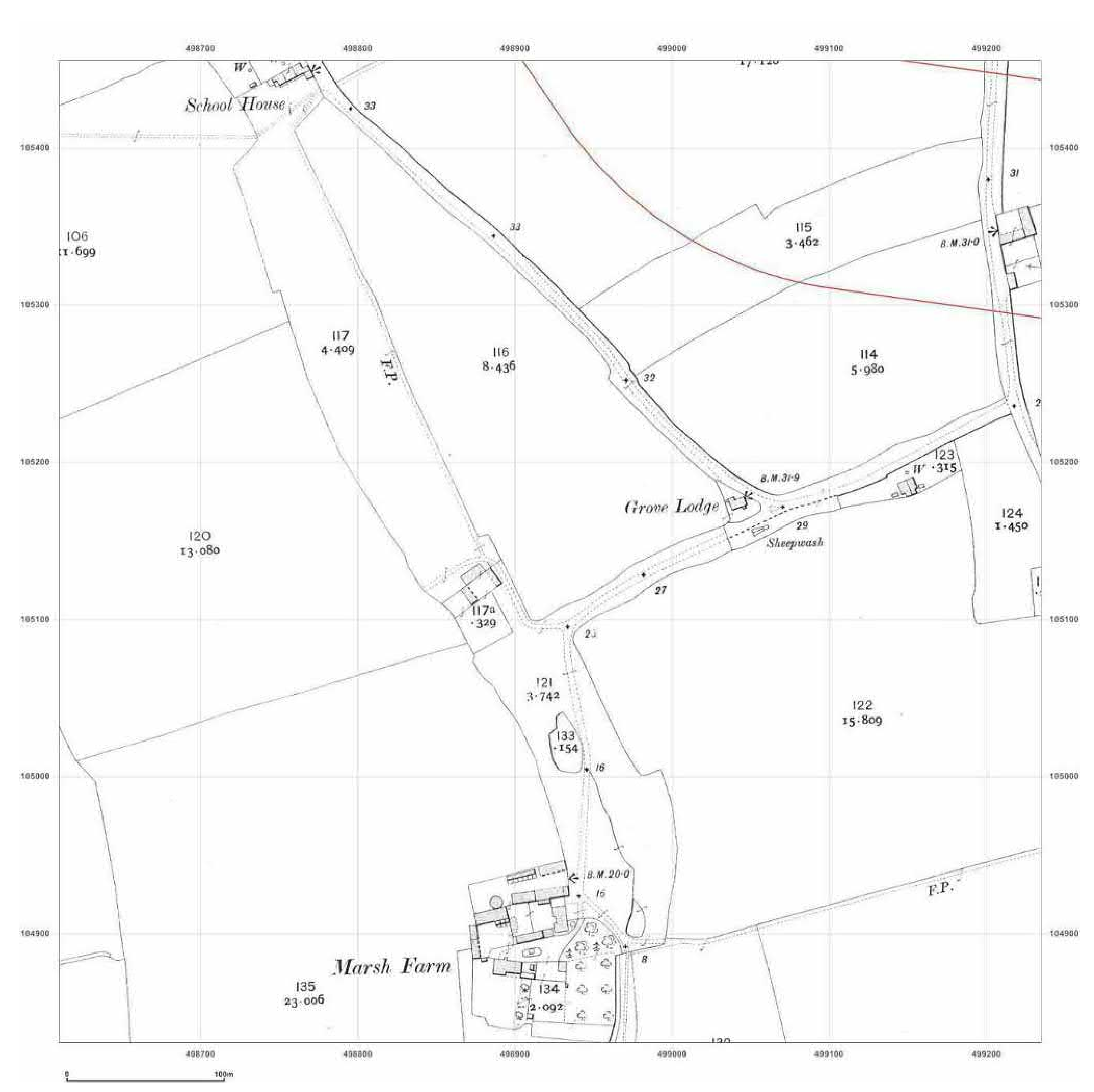

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: County Series

Map date: **1912**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

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

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Production date: 29 April 2015

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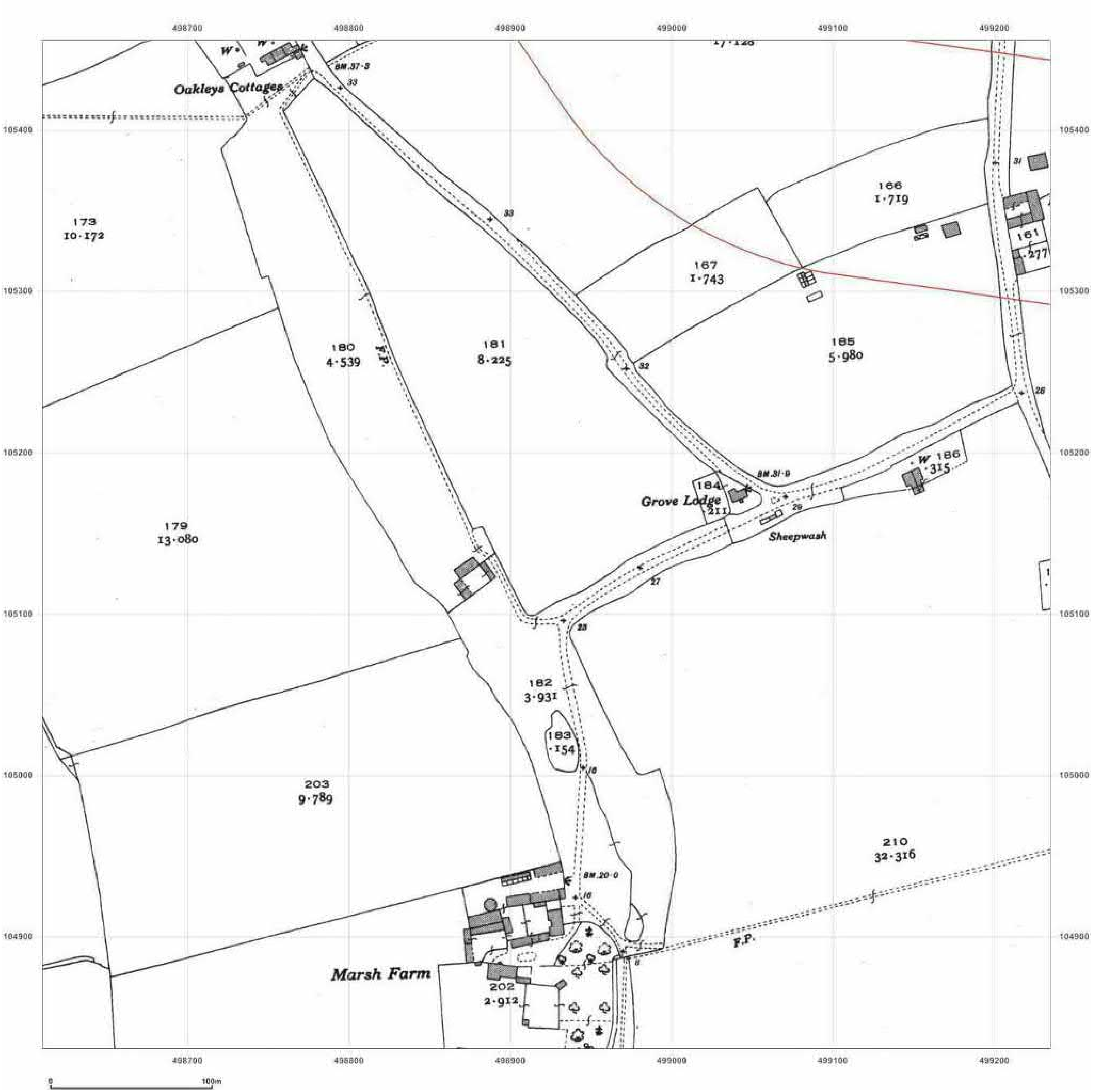

Groundsure INSIGHTS

Site Details:
ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: County Series
Map date: 1939
Scale: 1:2,500
Printed at: 1:2,500

N
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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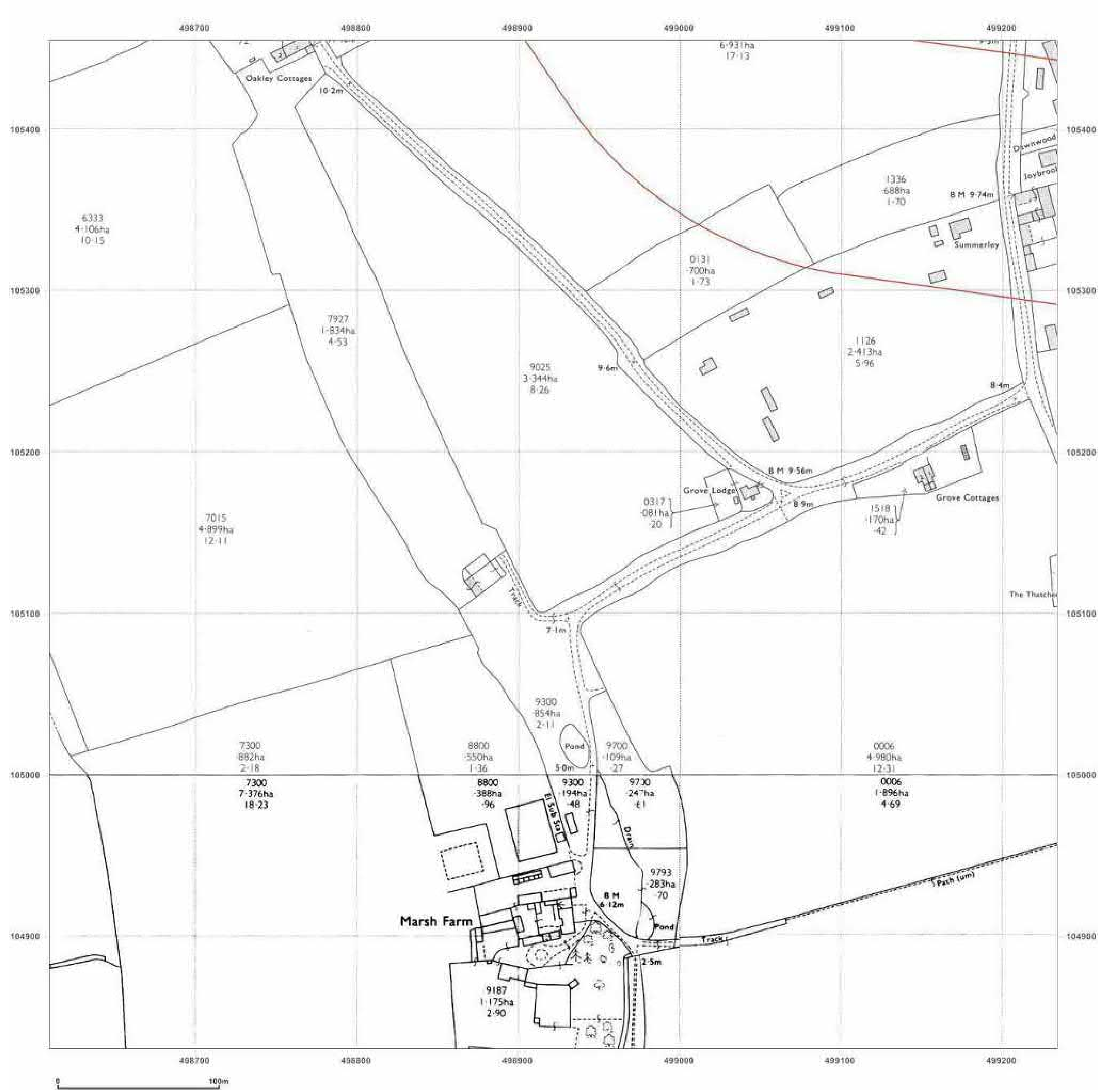

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: National Grid

Map date: **1973-1974**

Scale: 1:2,500

Printed at: 1:2,500

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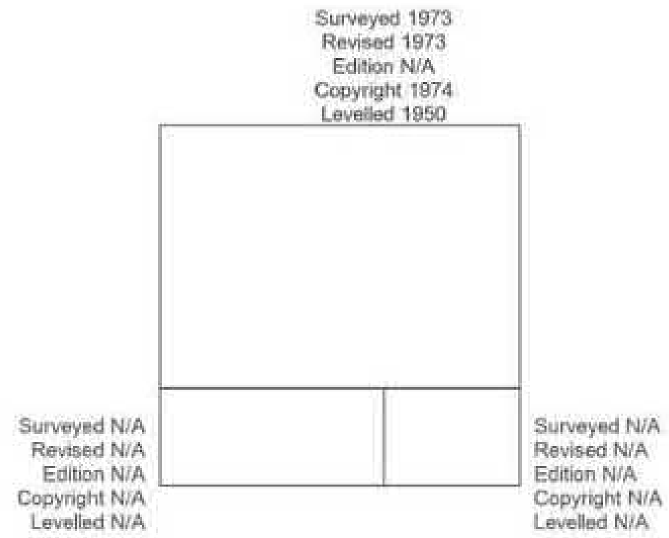

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Production date: 29 April 2015

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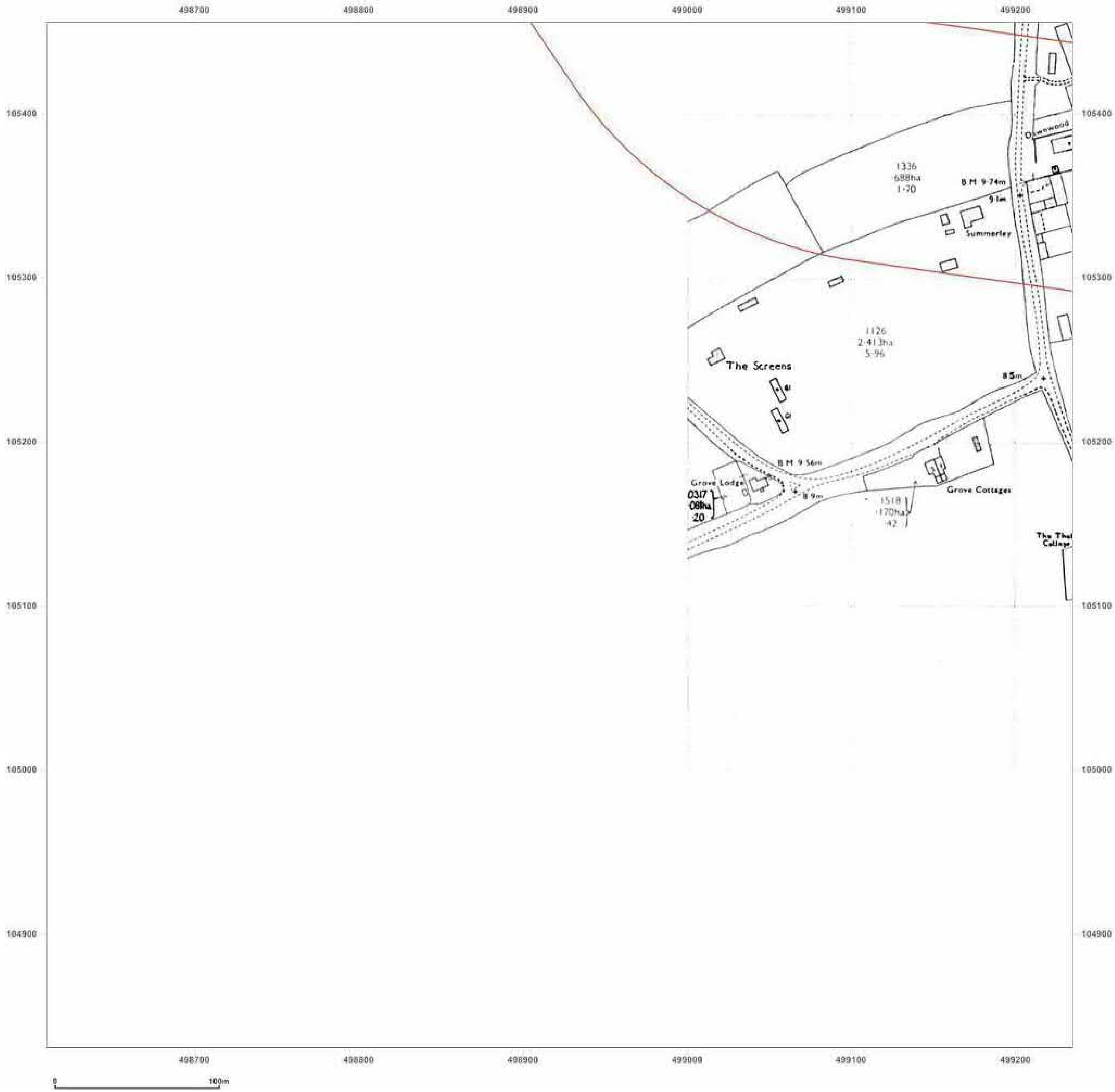

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: National Grid

Map date: **1982**

Scale: 1:2,500

Printed at: 1:2,500

N
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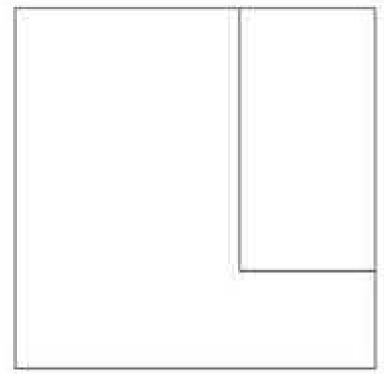
Surveyed 1975
Revised 1982
Edition N/A
Copyright 1982
Levelled 1975



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W: www.groundsure.com

Production date: 29 April 2015

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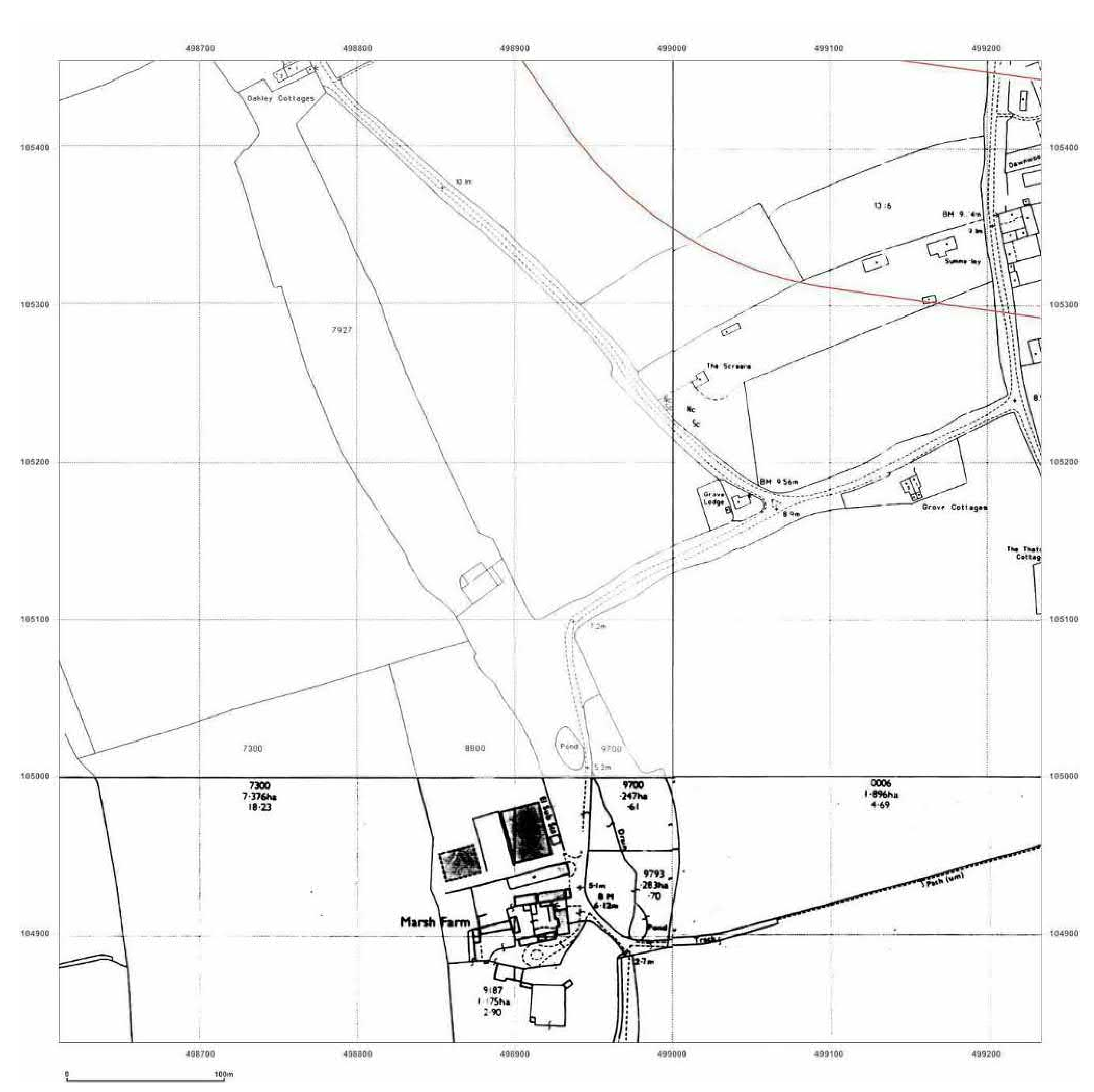

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_1
Grid Ref: 498922, 105143

Map Name: National Grid

Map date: **1990-1994**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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

Surveyed 1975
Revised 1990
Edition N/A
Copyright 1990
Levelled 1975

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Production date: 29 April 2015

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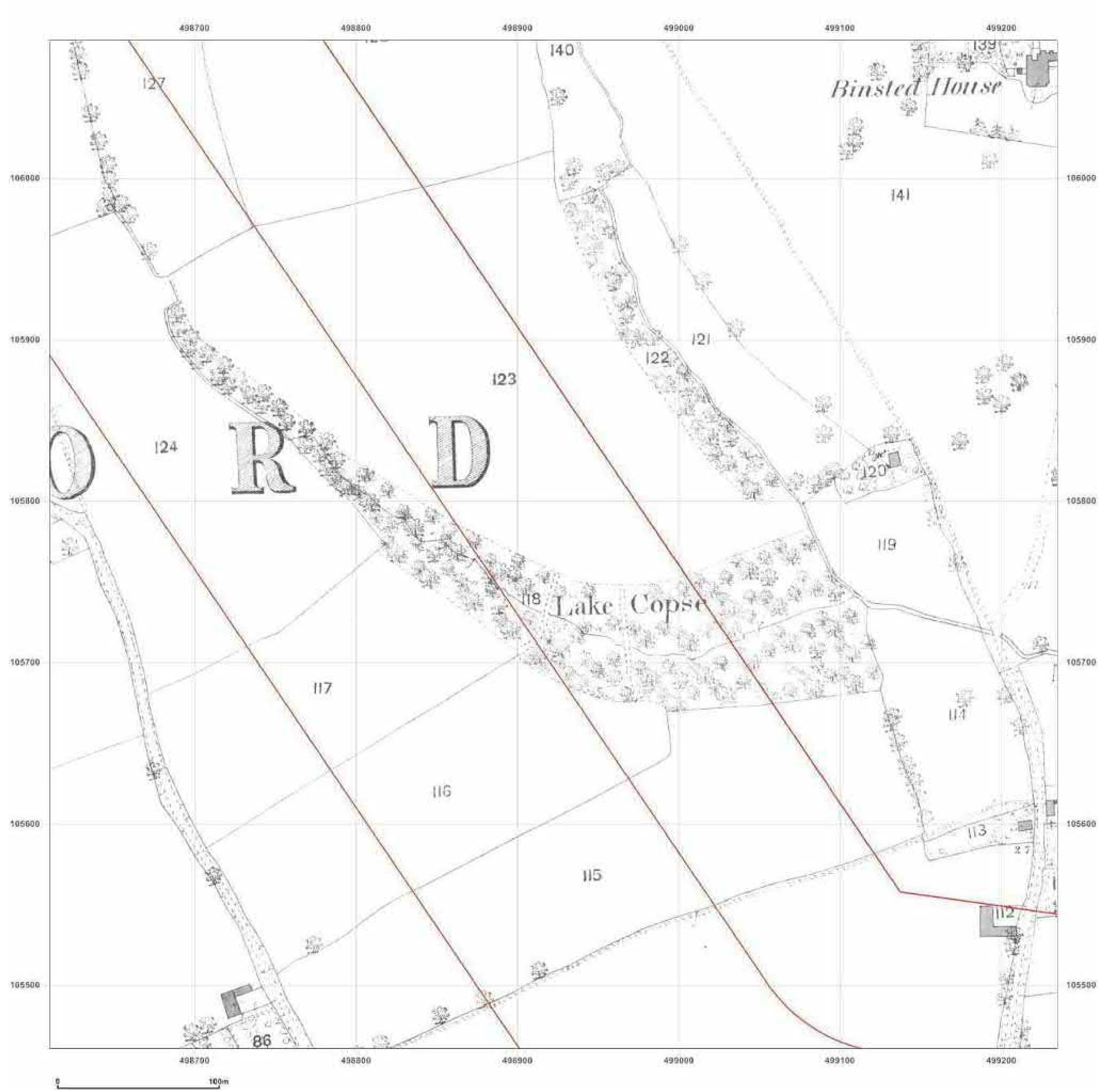

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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

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W: www.groundsure.com

Production date: 29 April 2015

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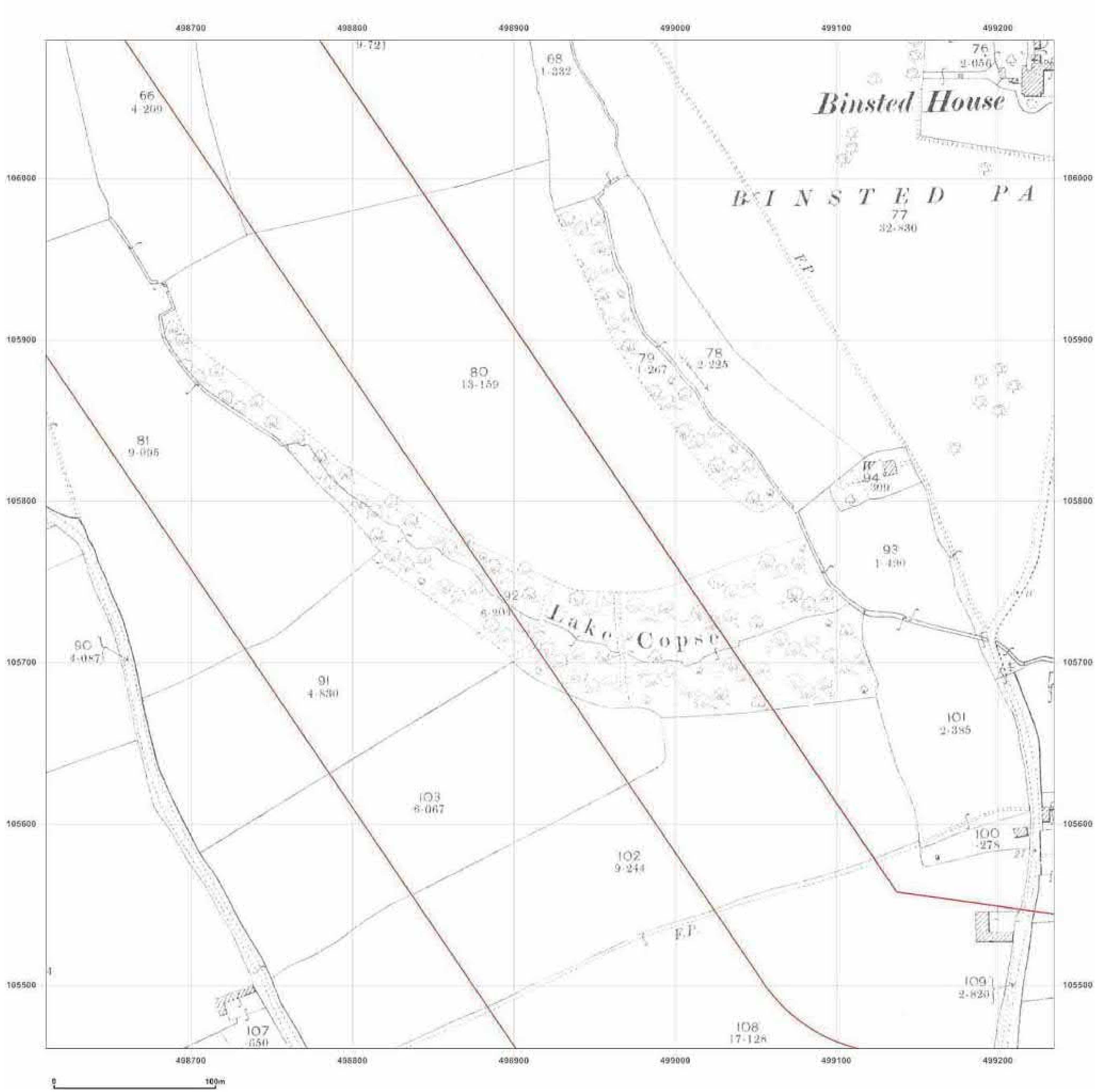

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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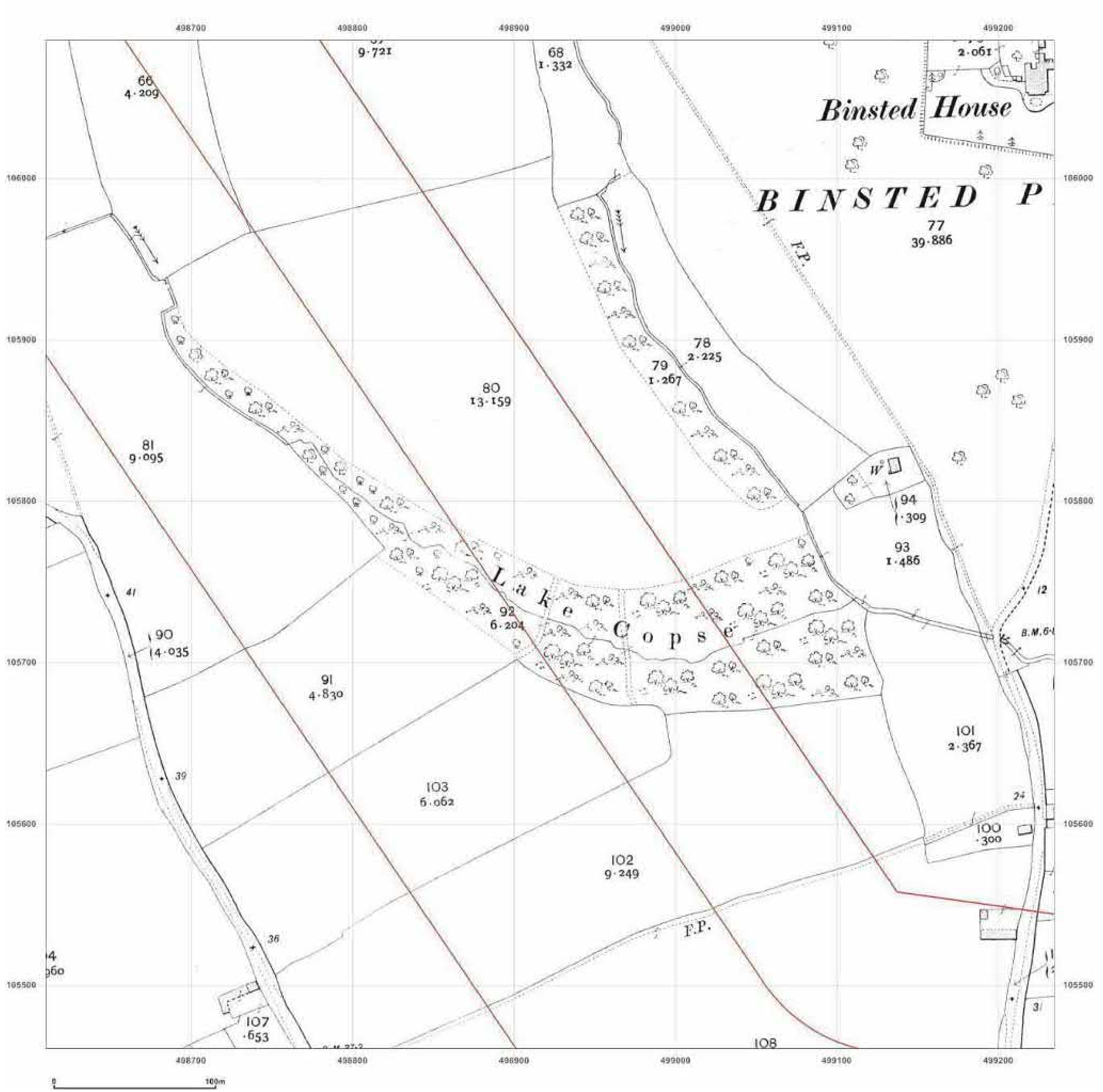
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

N
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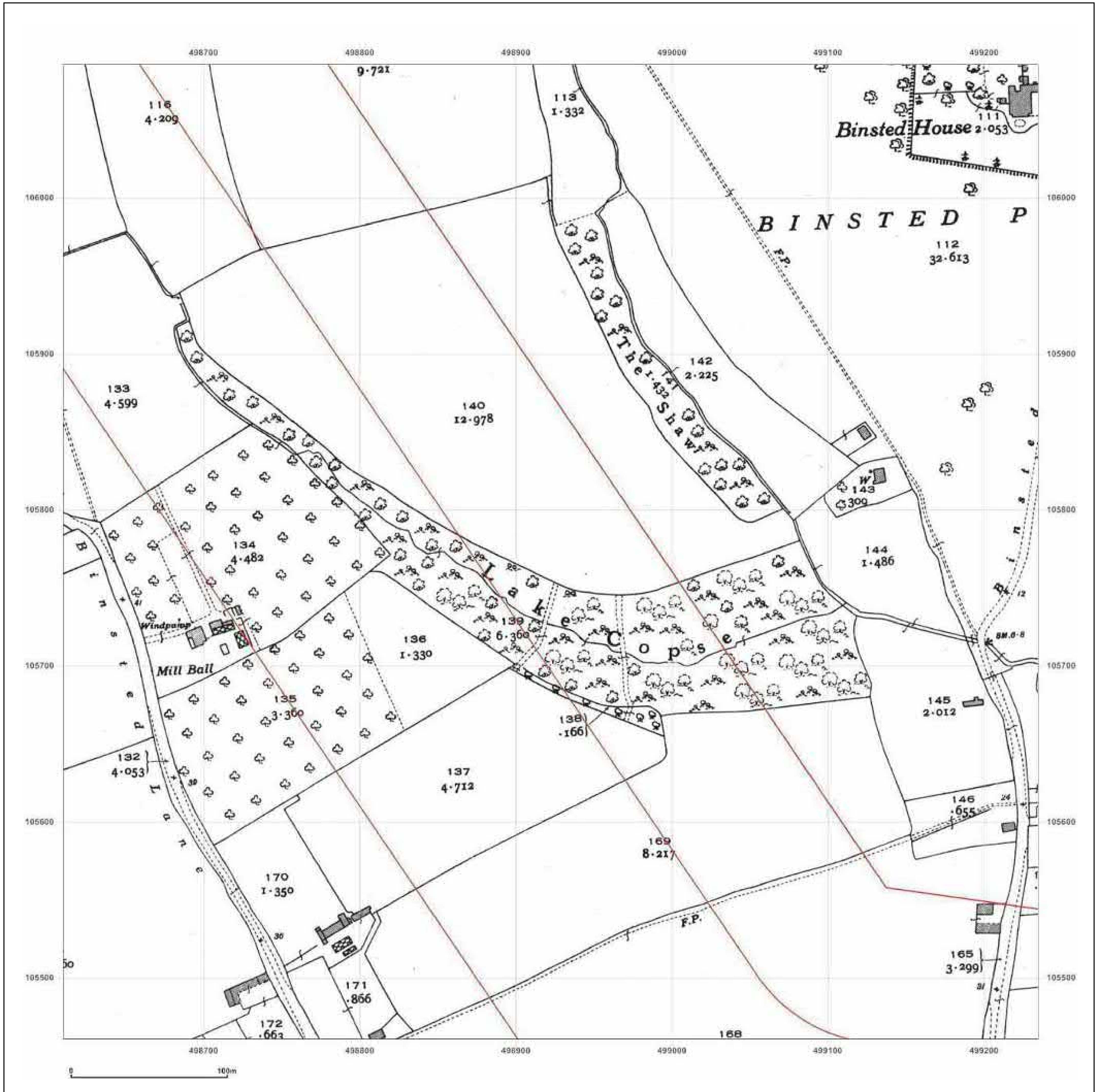
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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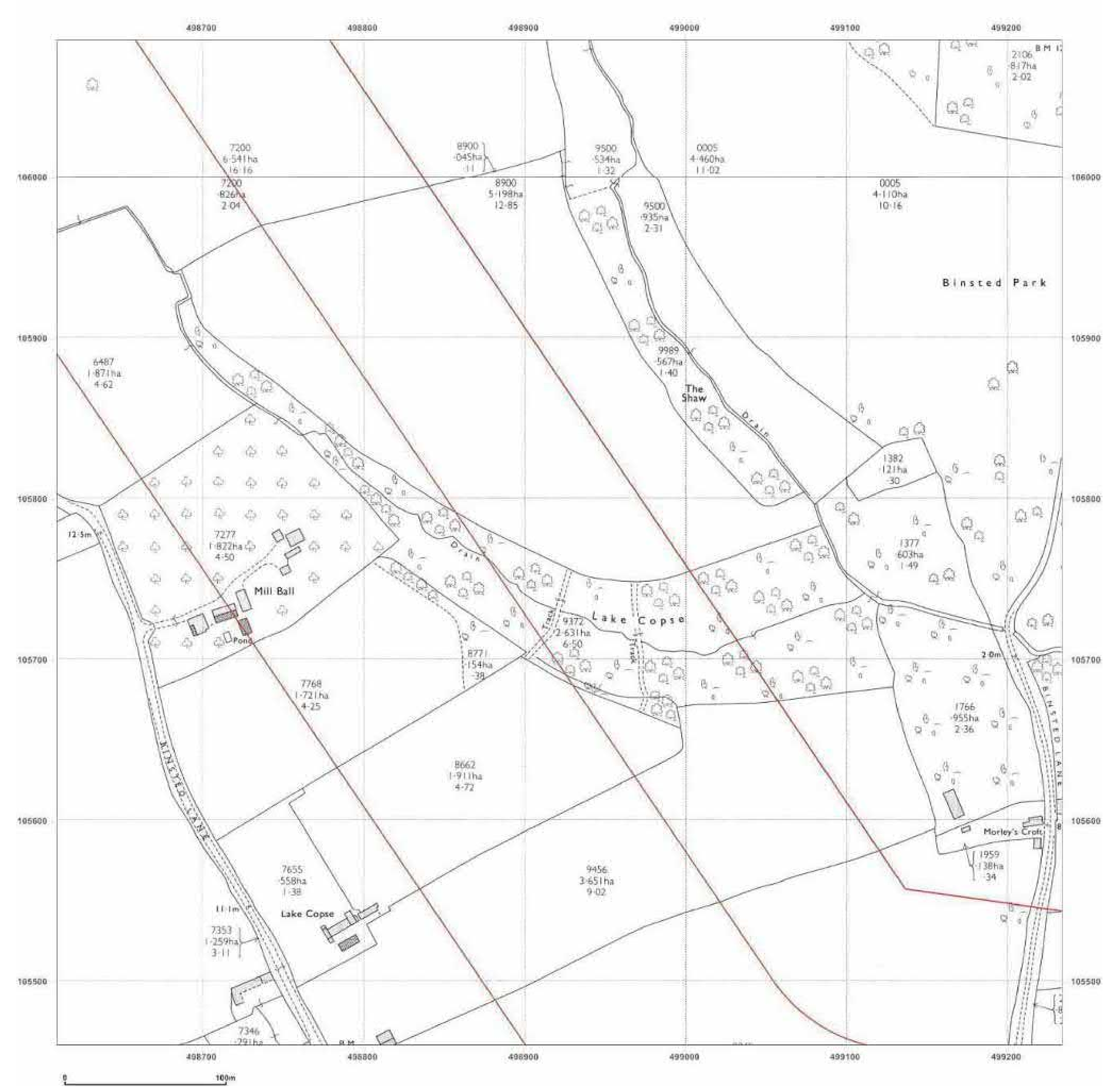
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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Production date: 29 April 2015

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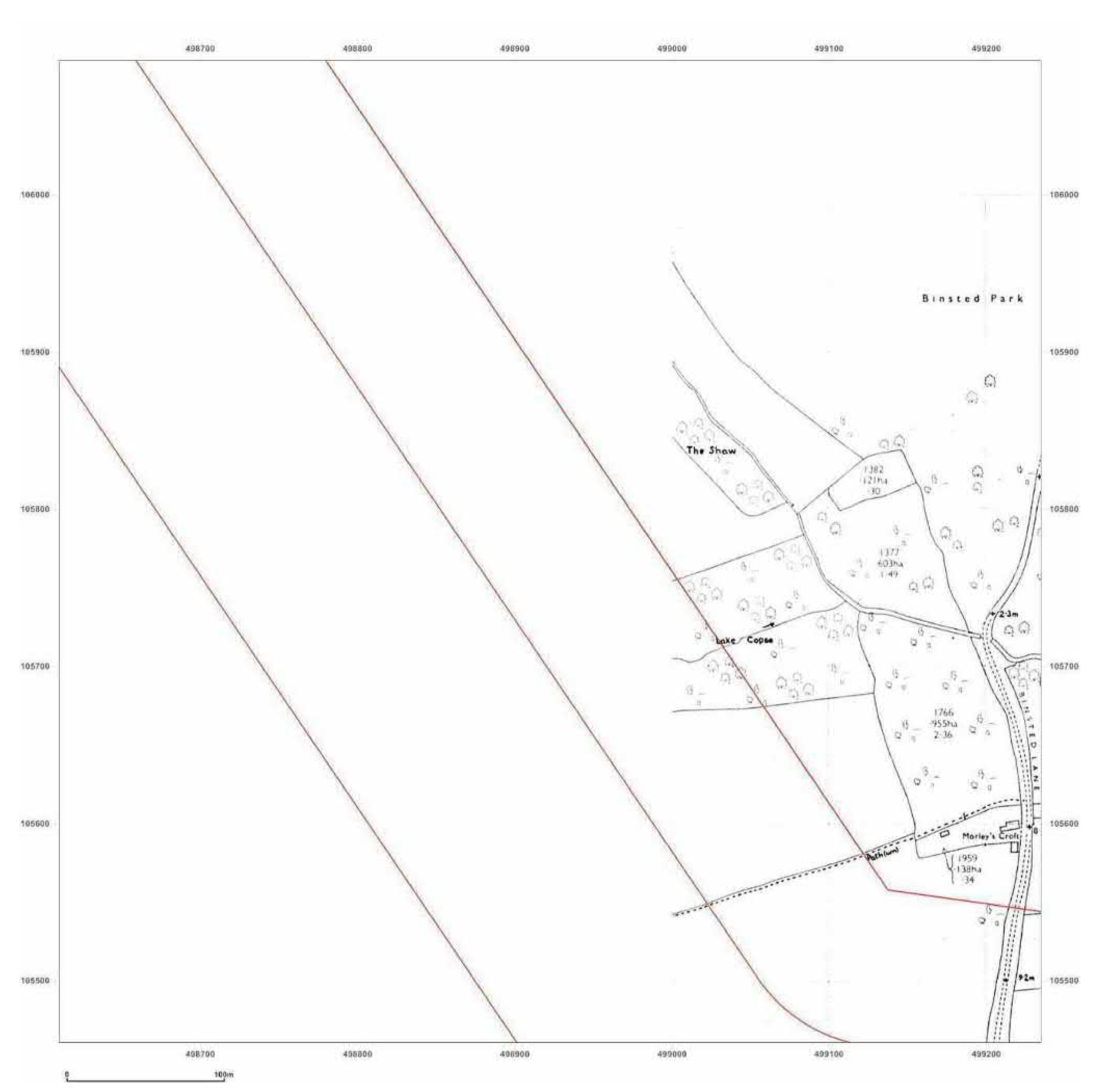


Groundsure INSIGHTS

Site Details:

ARUNDEL

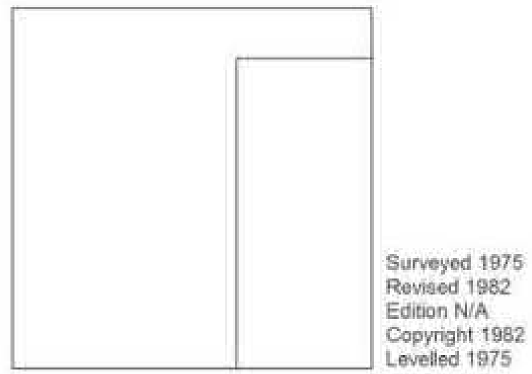
Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: National Grid

Map date: **1982**

Scale: 1:2,500

Printed at: 1:2,500



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Production date: 29 April 2015

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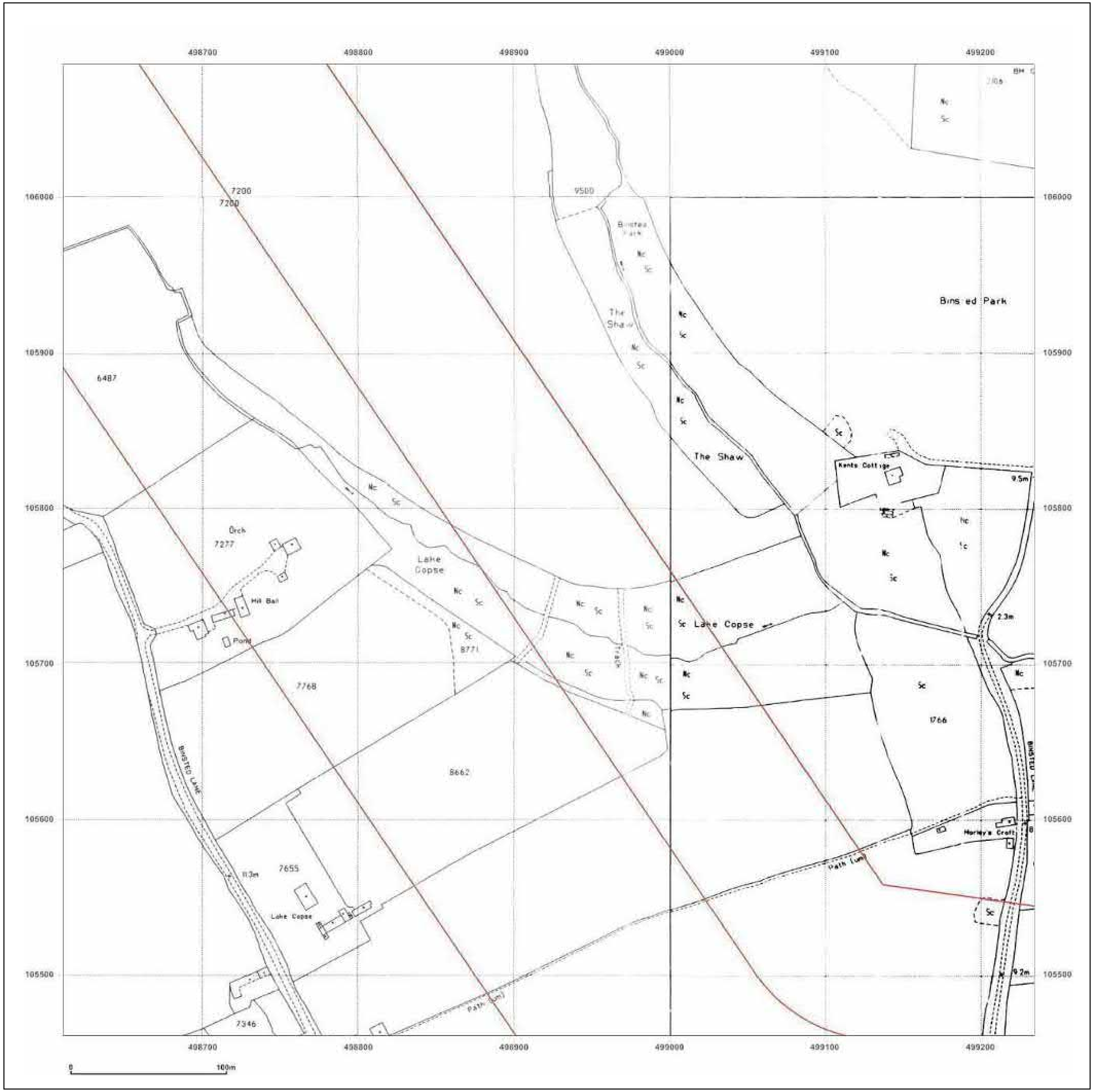

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_2
Grid Ref: 498922, 105773

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

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

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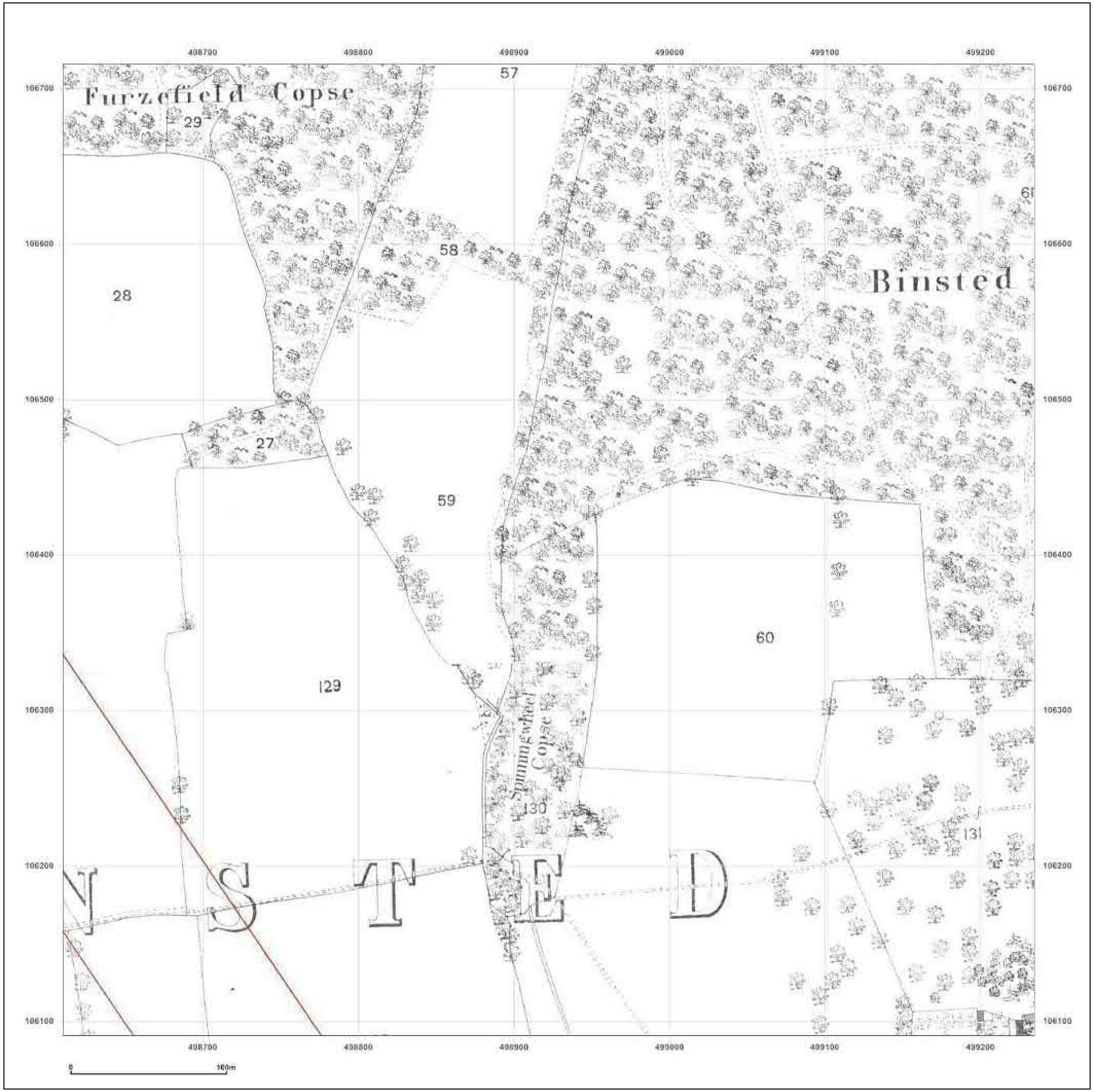


Groundsure
INSIGHTS

Site Details:

ARUNDEL

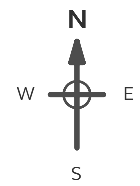
Client Ref: PO86494
Report Ref: GS-2047500_LS_3_3
Grid Ref: 498922, 106403

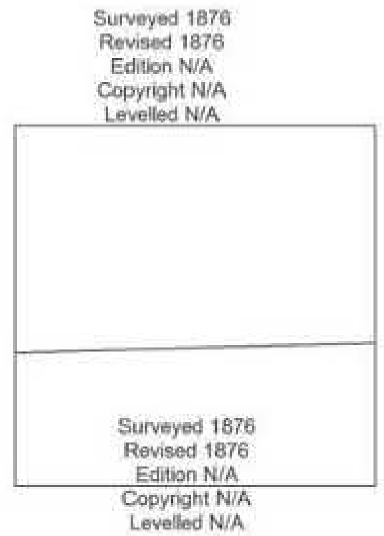
Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500





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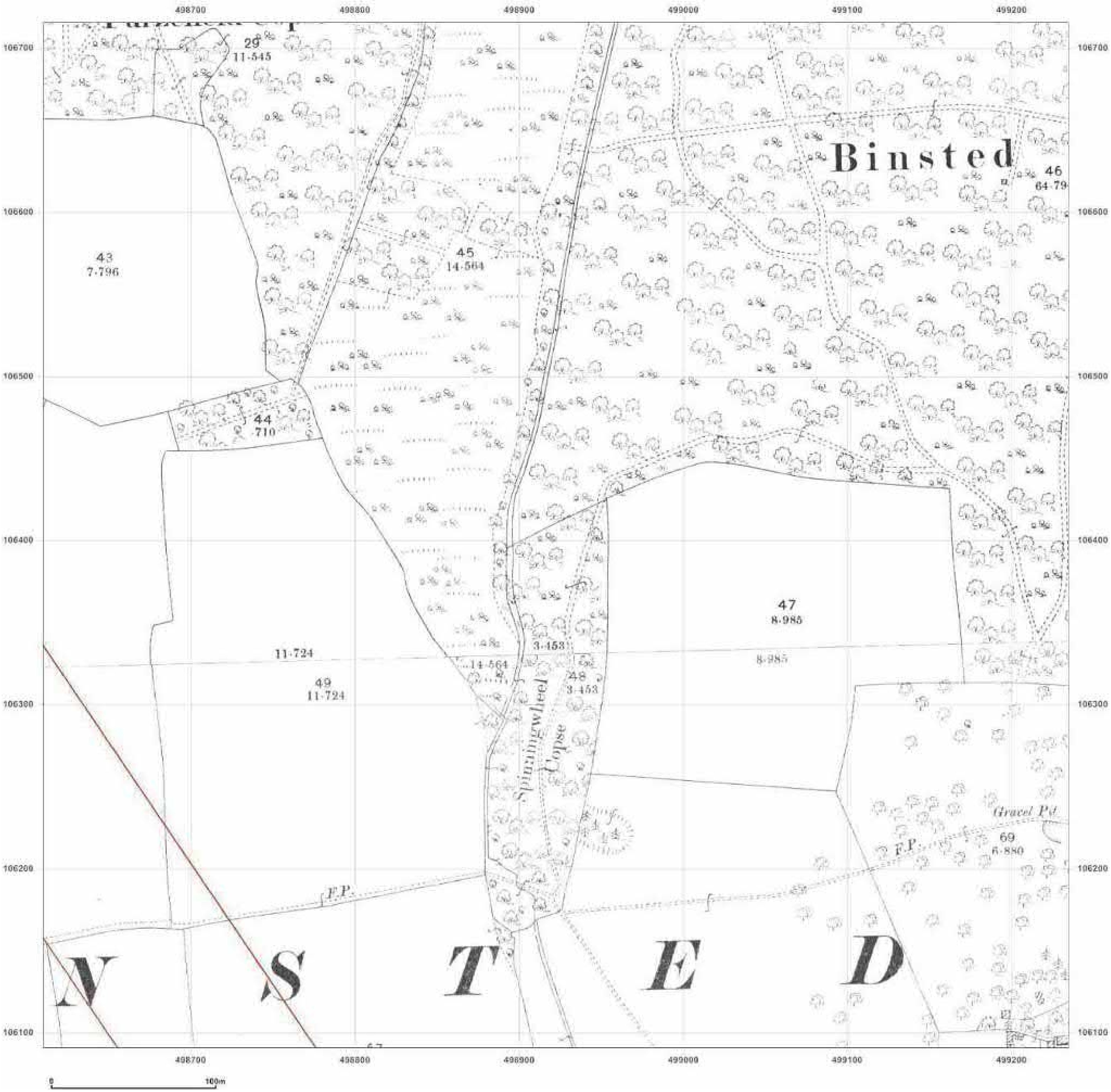


Site Details:

ARUNDEL

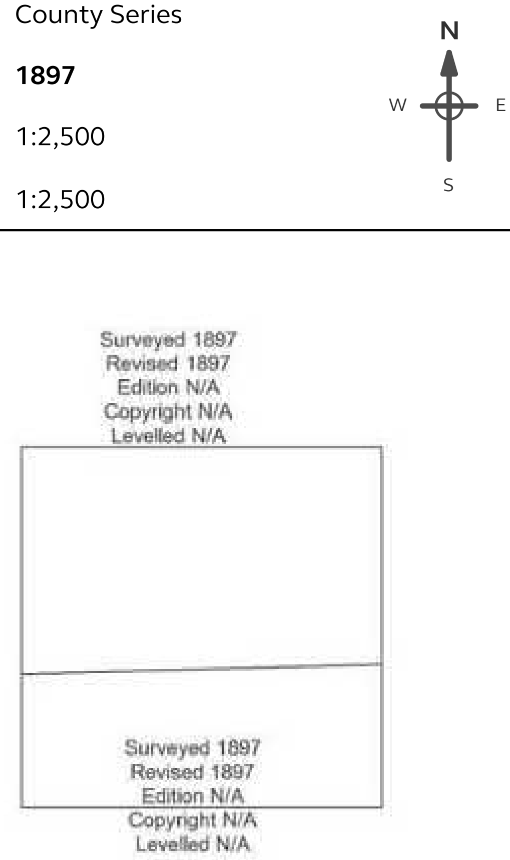
Client Ref: PO86494
Report Ref: GS-2047500_LS_3_3
Grid Ref: 498922, 106403

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500



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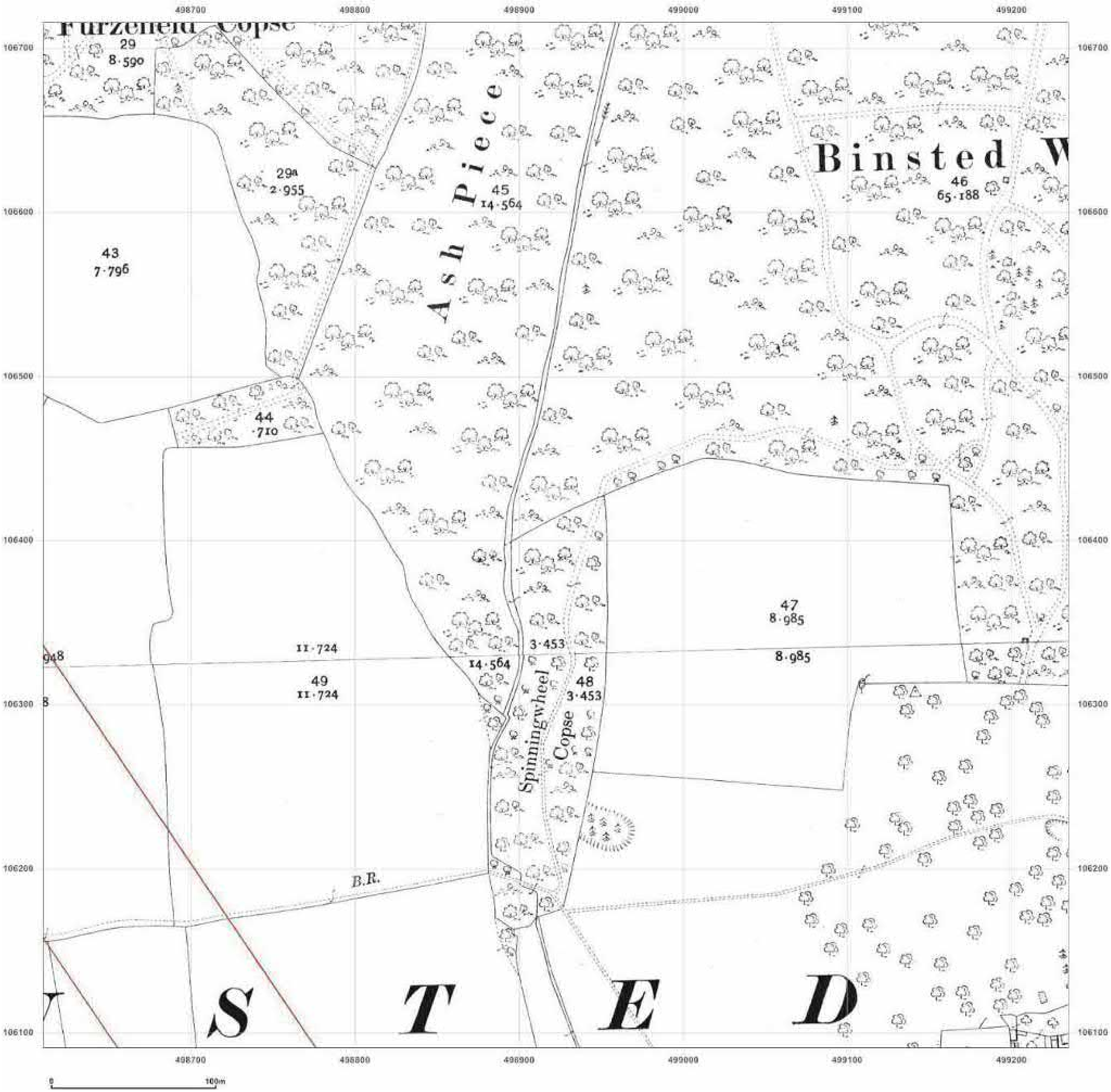

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_3
Grid Ref: 498922, 106403

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

N W E S

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

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

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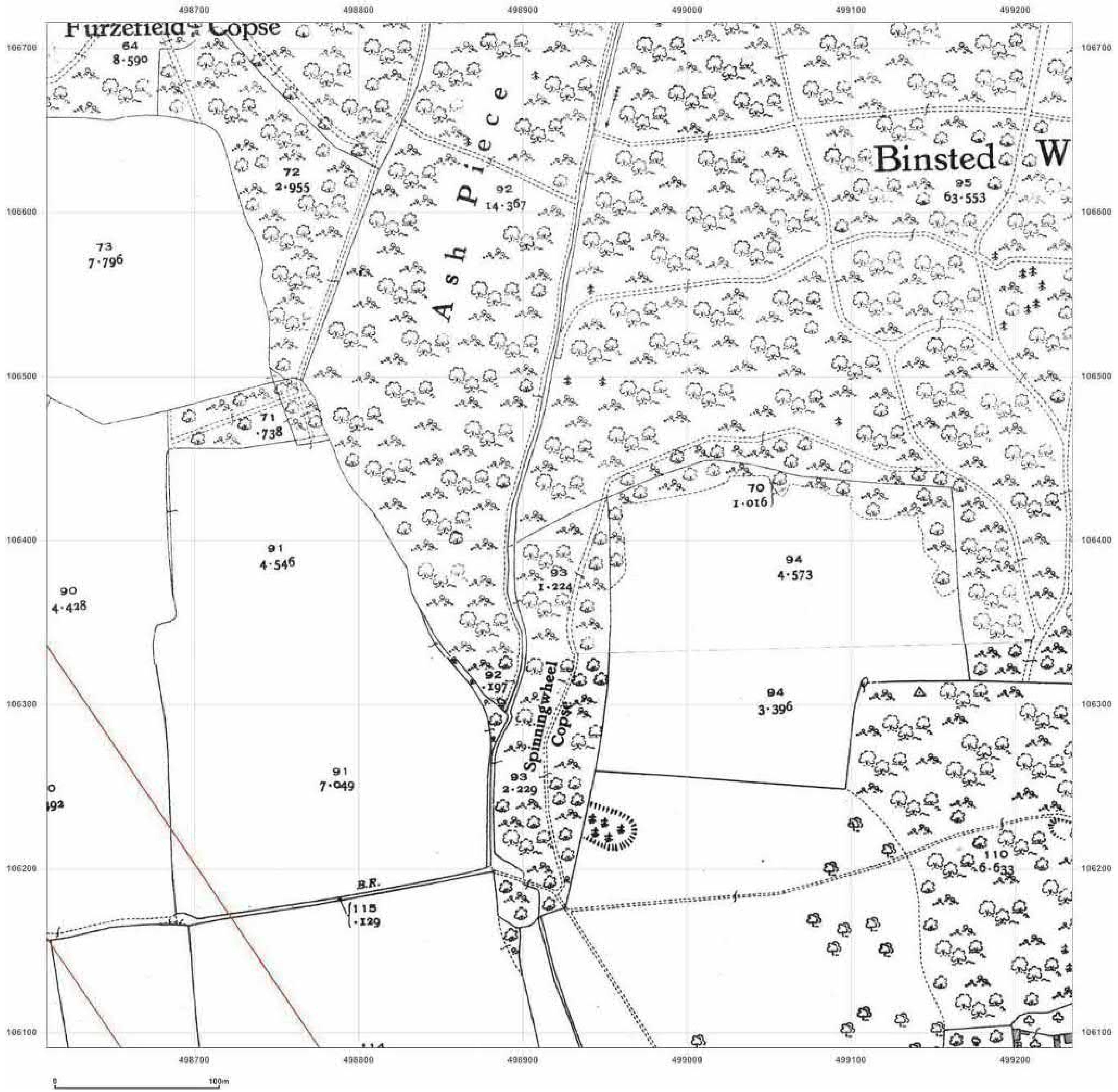

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_3
Grid Ref: 498922, 106403

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500

N
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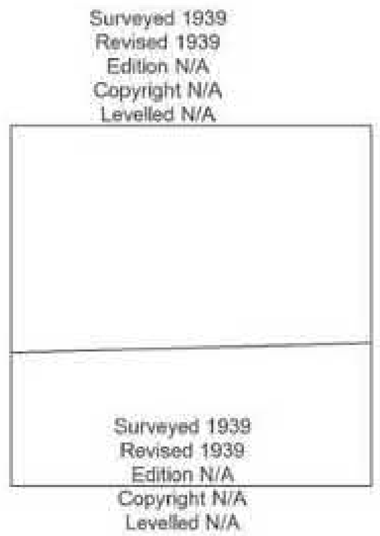

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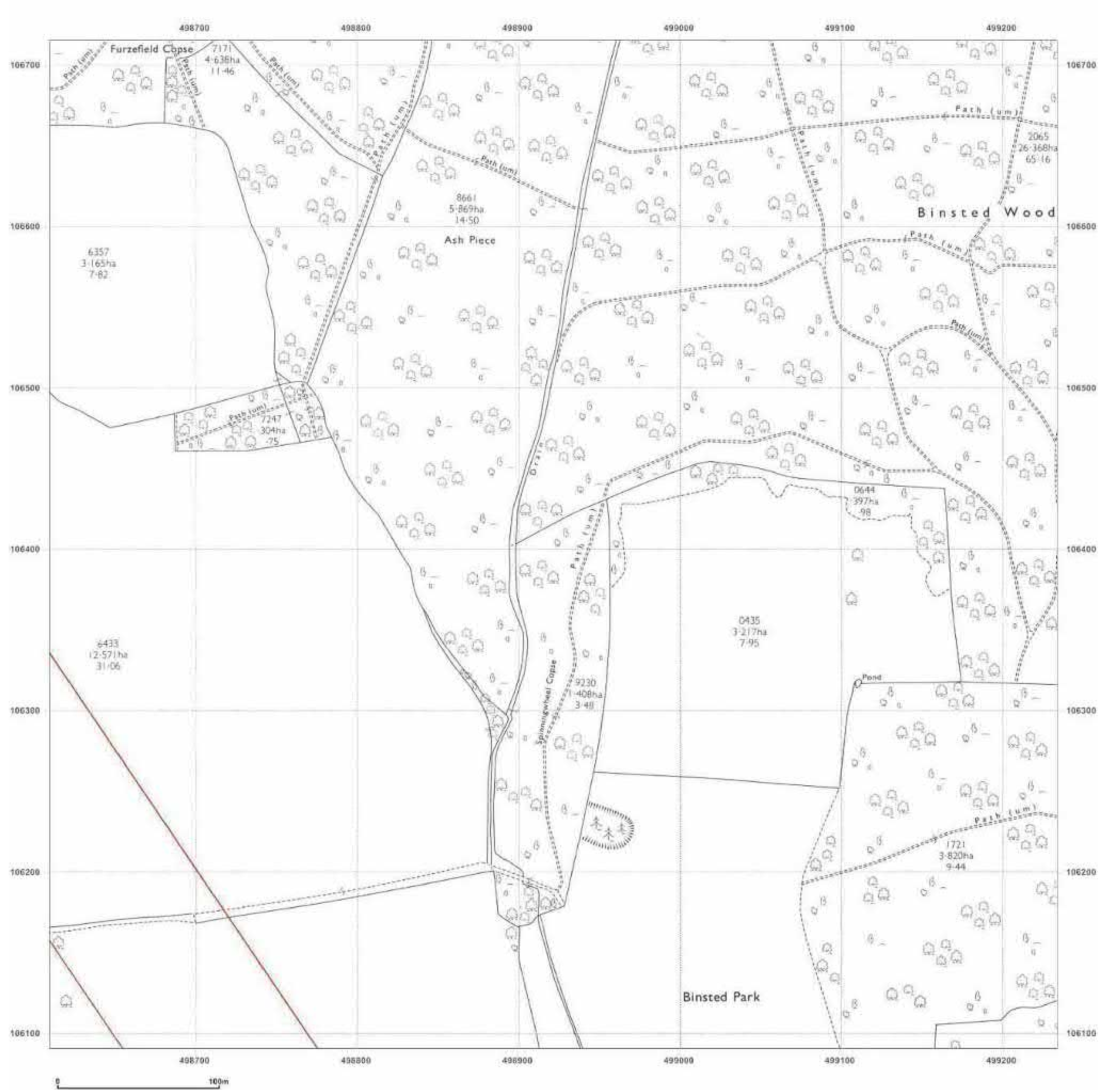

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_3
Grid Ref: 498922, 106403

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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Production date: 29 April 2015

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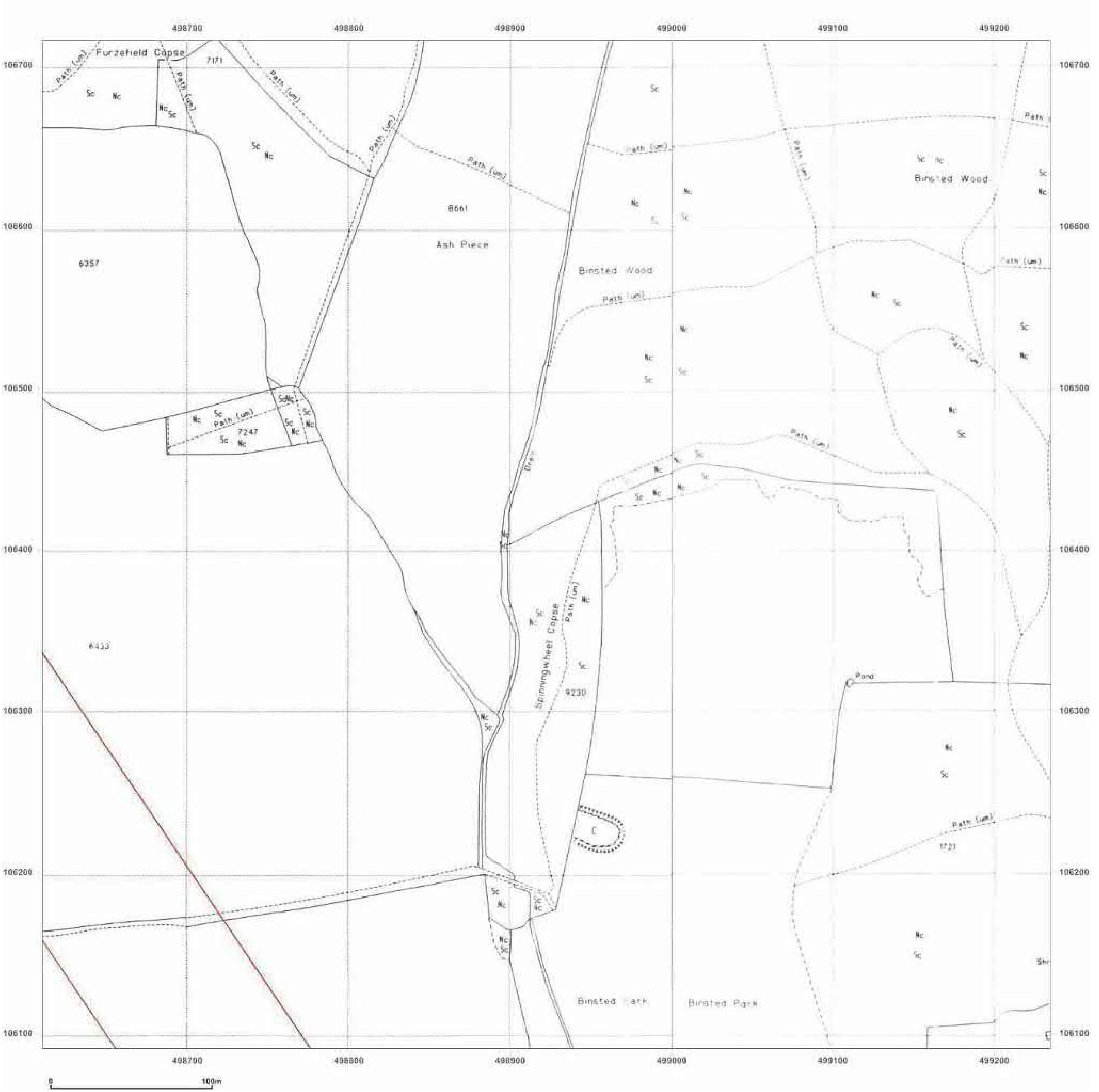

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_3
Grid Ref: 498922, 106403

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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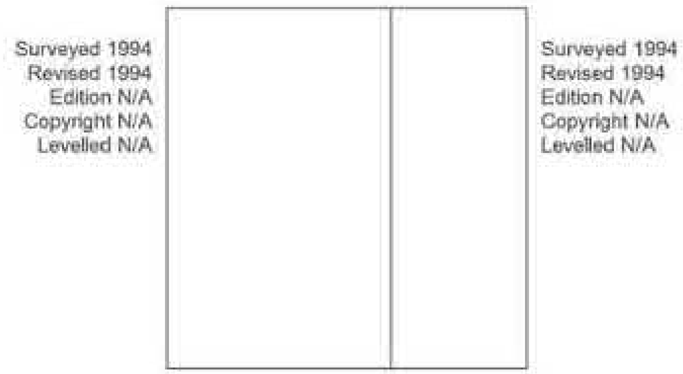
S



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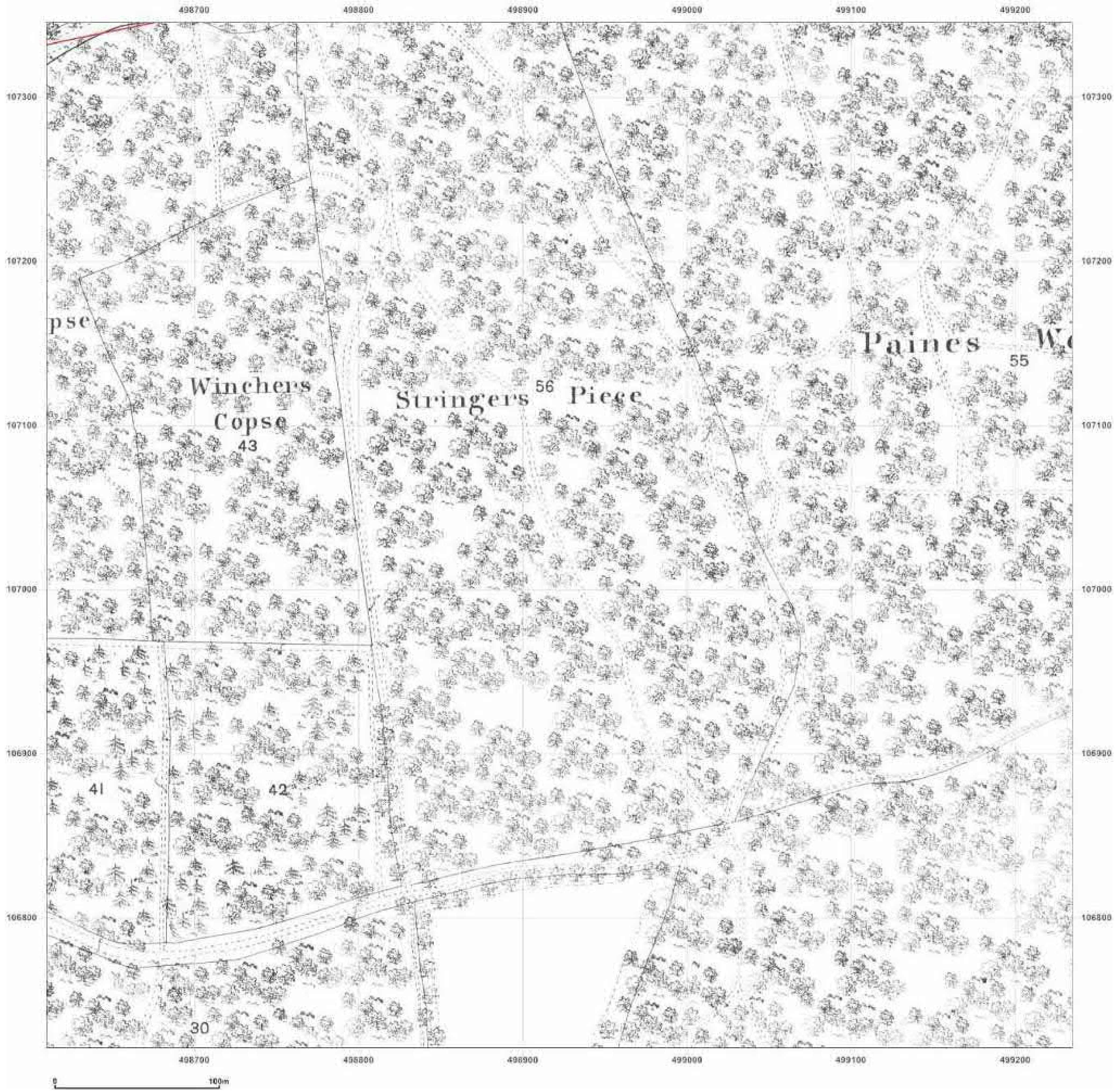

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_4
Grid Ref: 498922, 107033

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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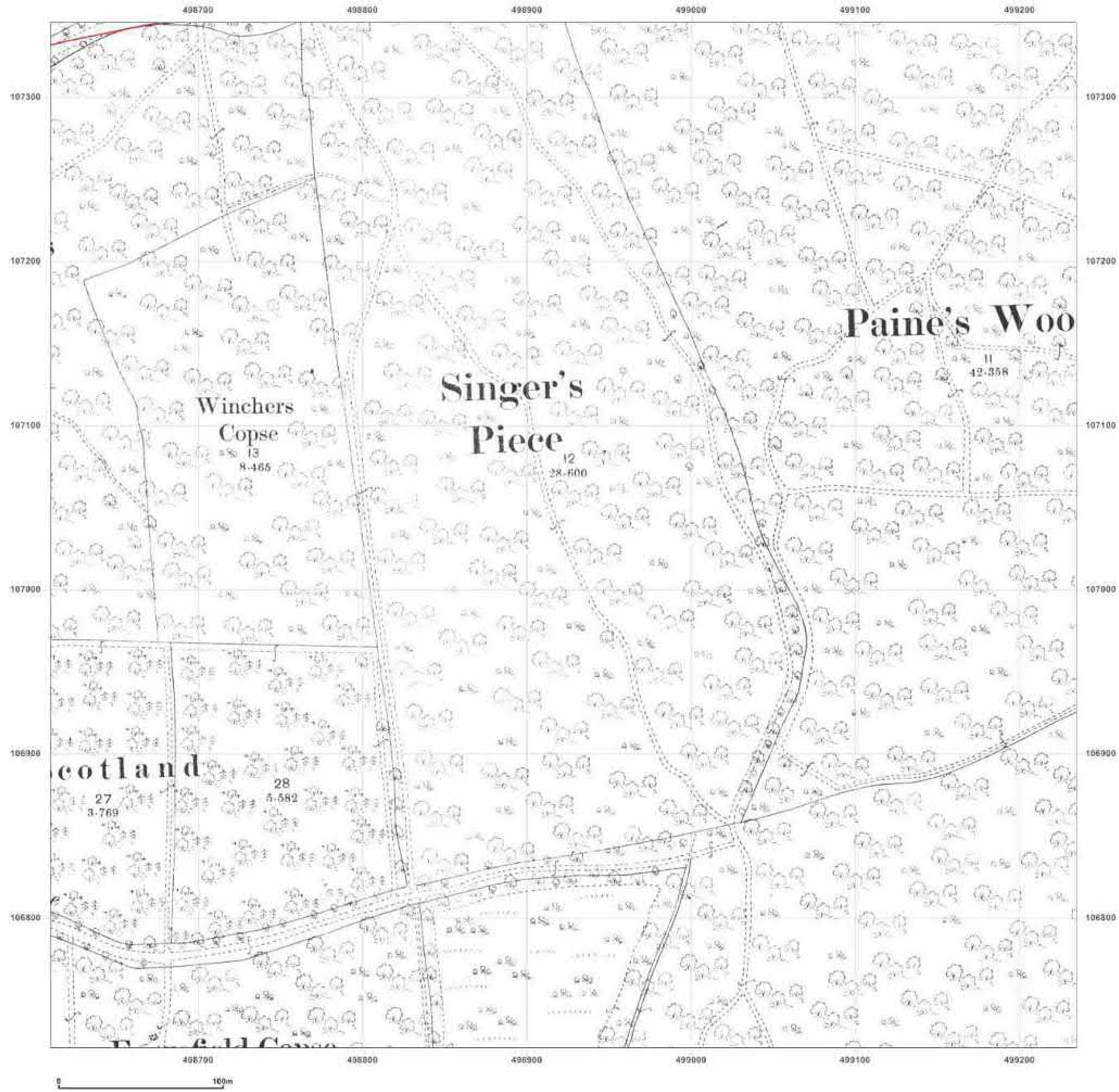

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_4
Grid Ref: 498922, 107033

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1897
Revised 1897
Edition N/A
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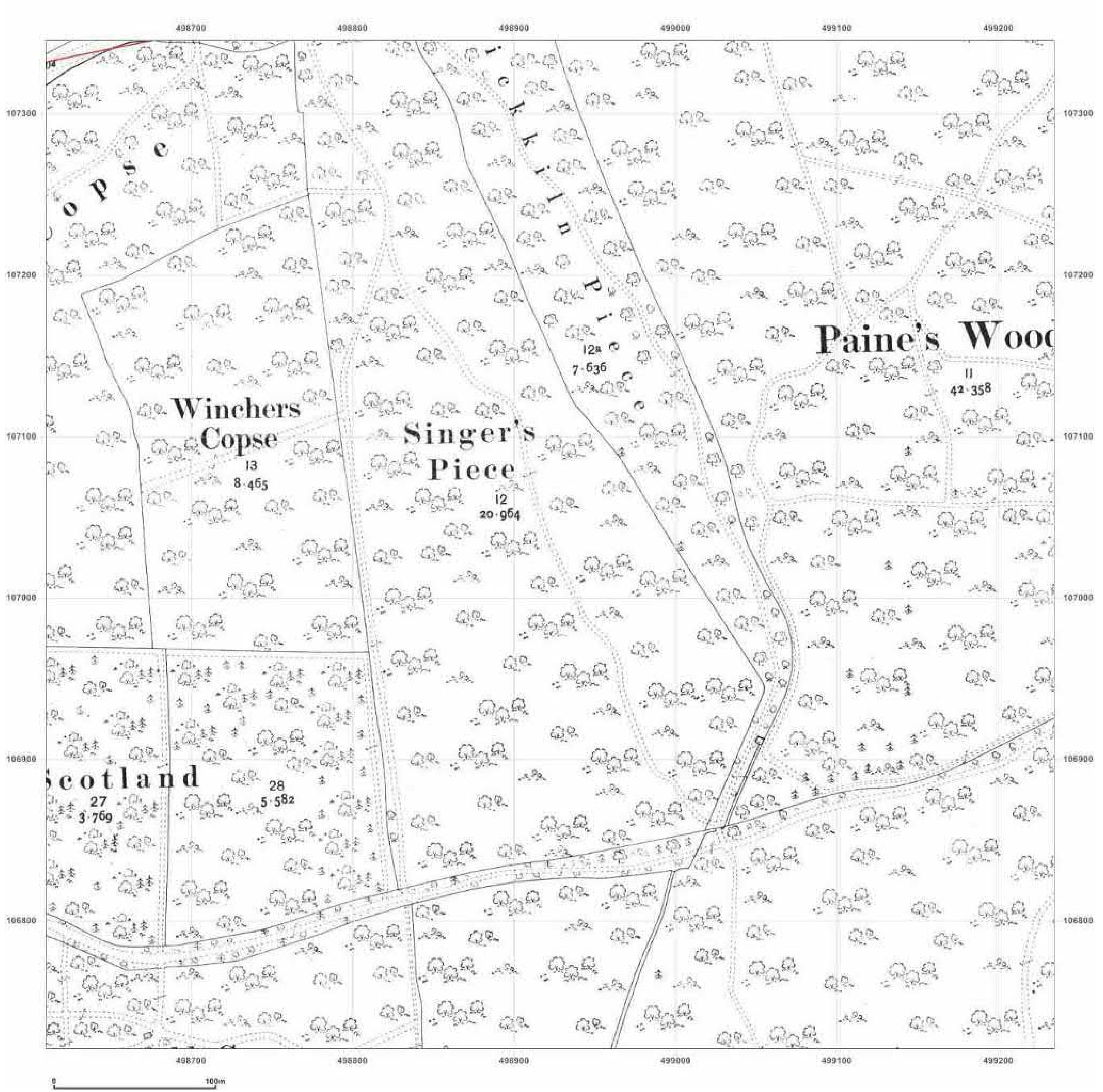

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_4
Grid Ref: 498922, 107033

Map Name: County Series

Map date: **1912**

Scale: 1:2,500

Printed at: 1:2,500

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

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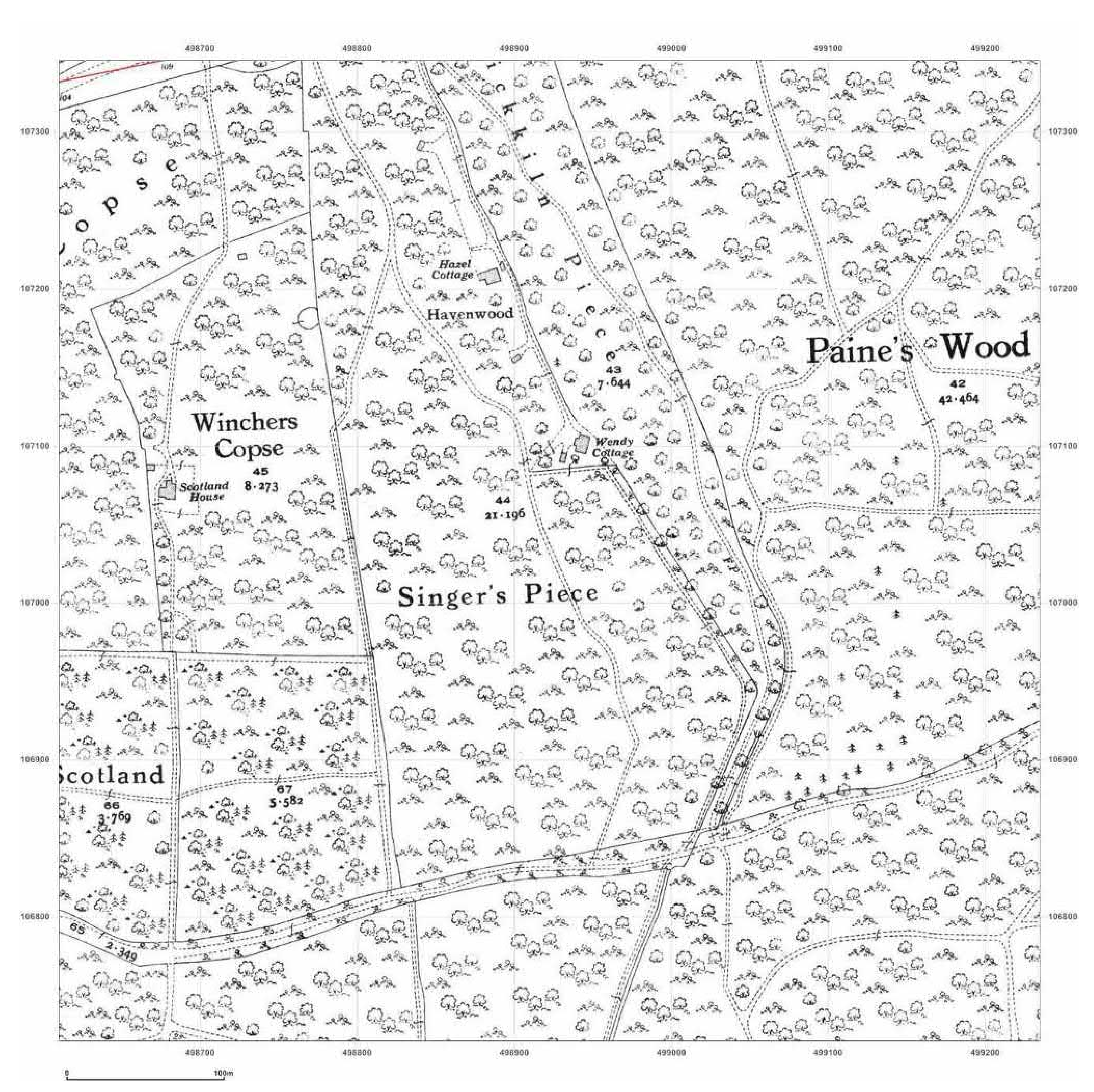

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_4
Grid Ref: 498922, 107033

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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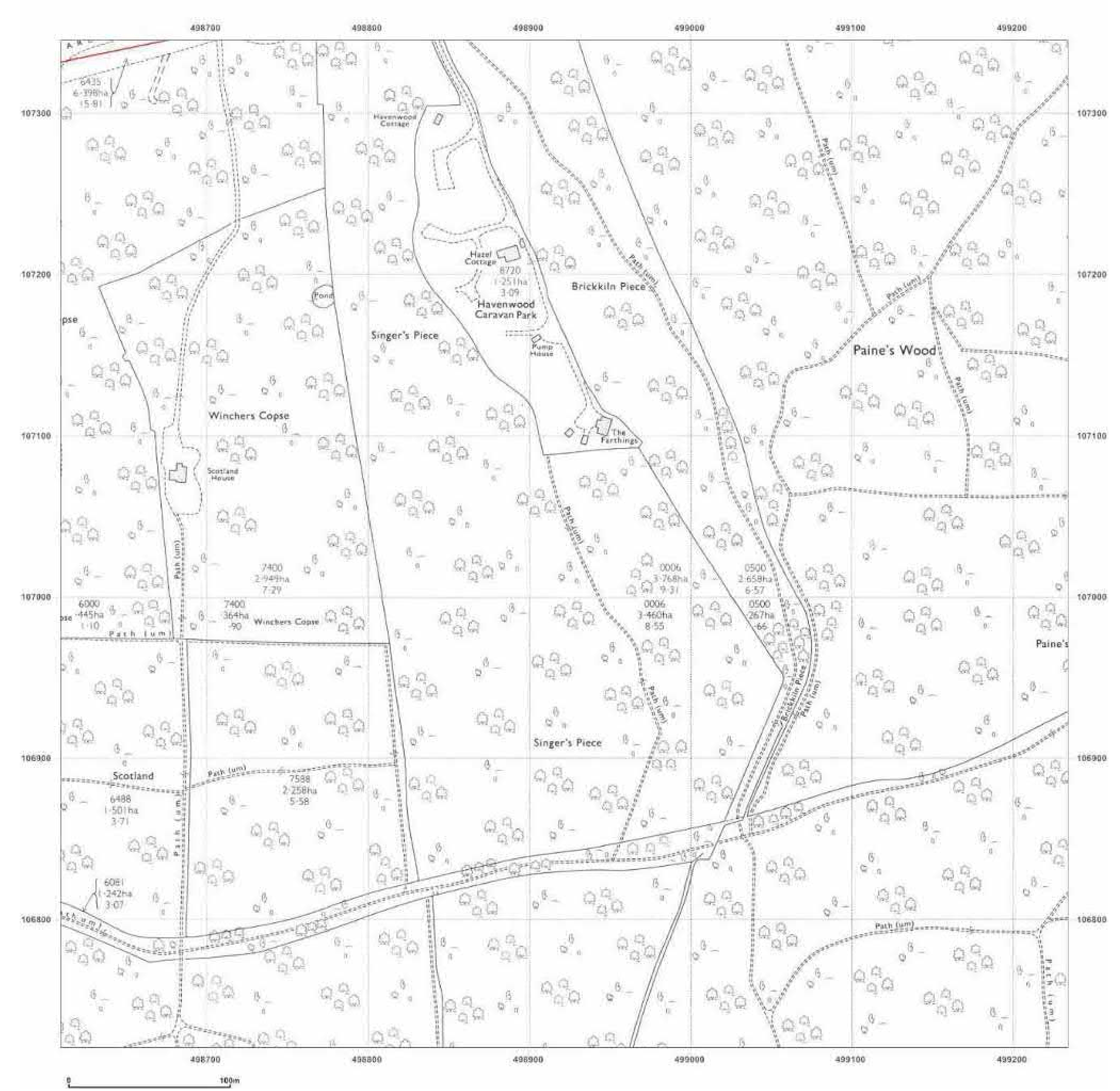

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_4
Grid Ref: 498922, 107033

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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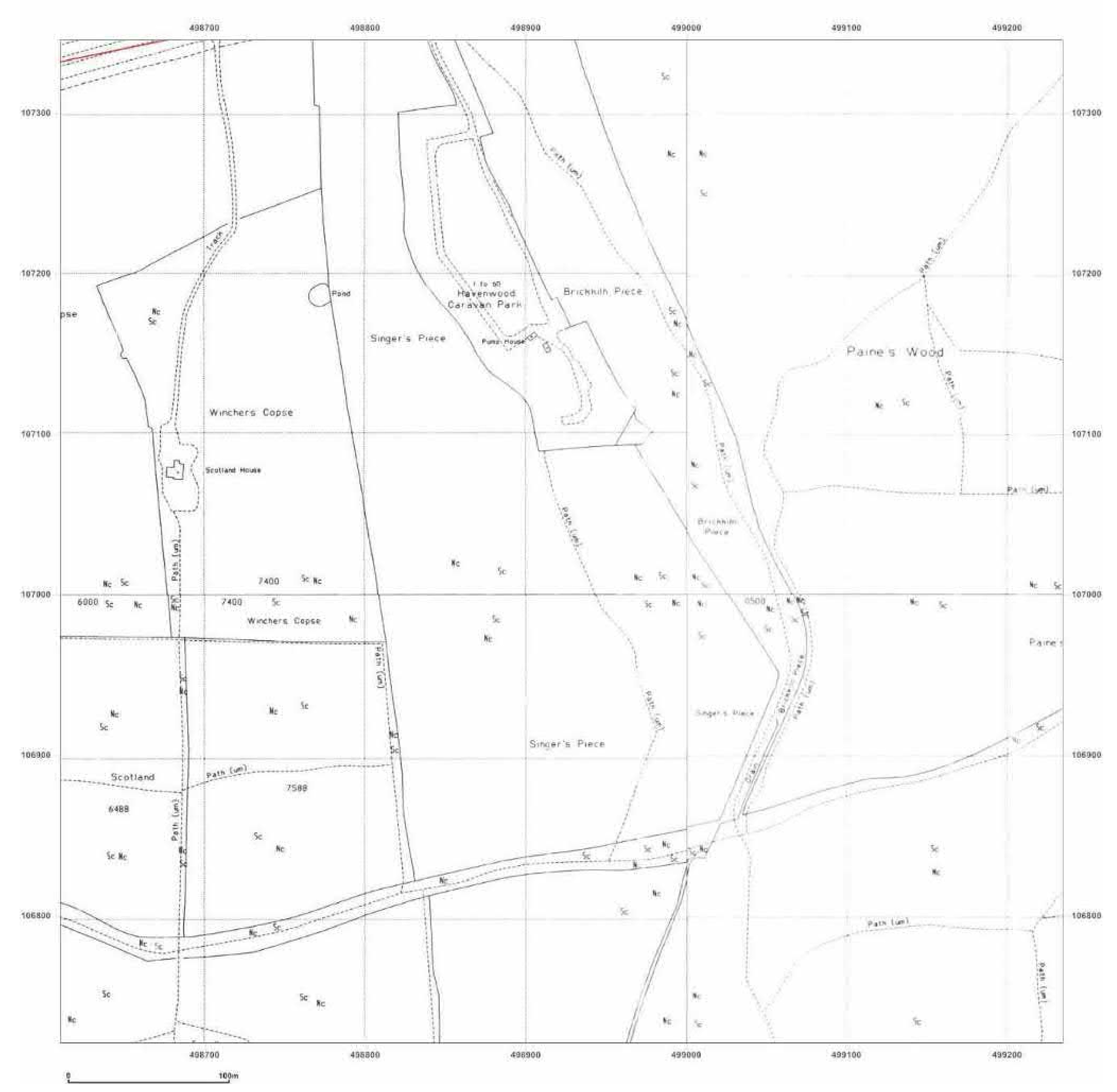

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_4
Grid Ref: 498922, 107033

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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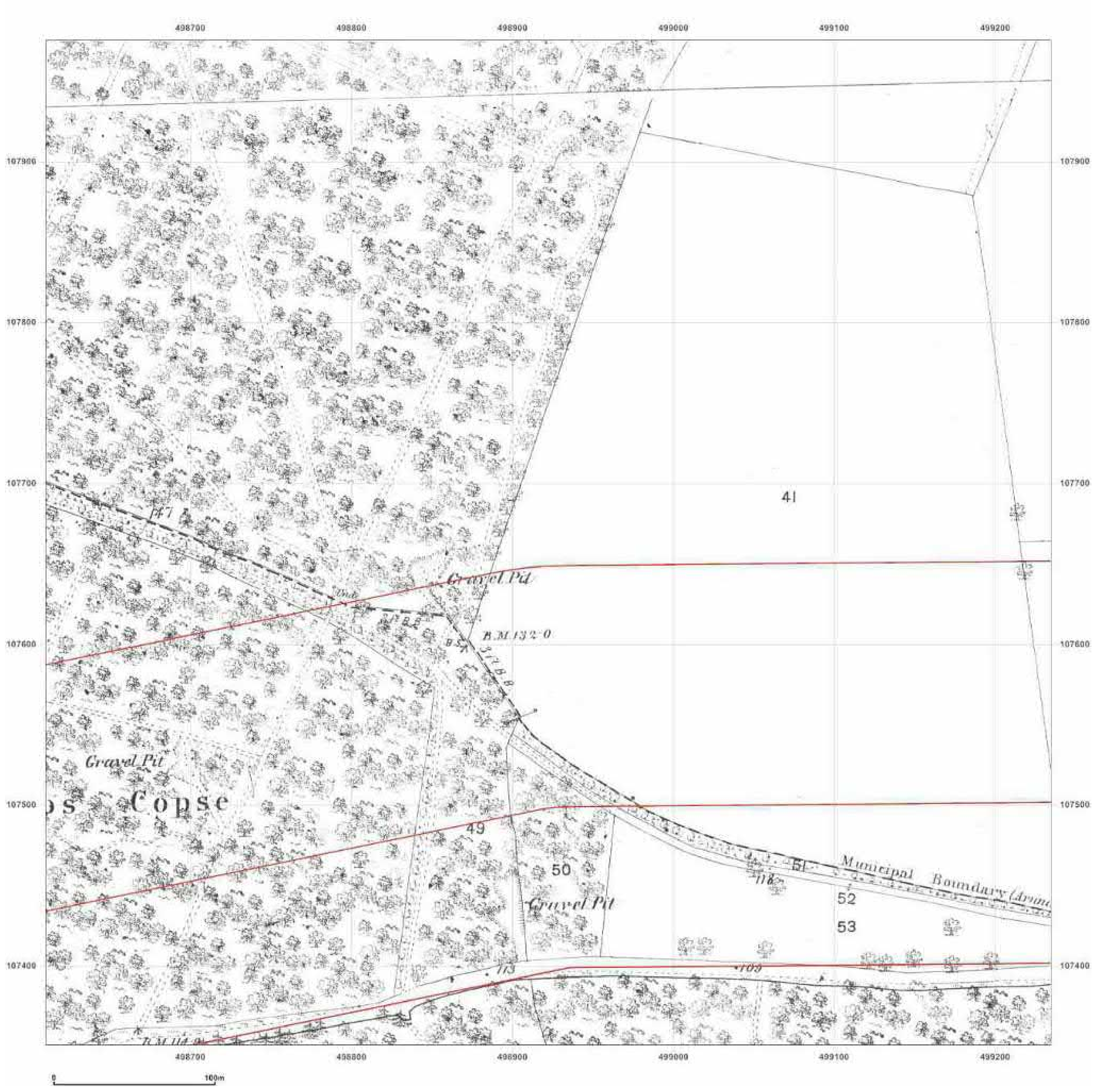


Groundsure INSIGHTS

Site Details:

ARUNDEL

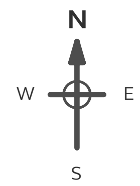
Client Ref: PO86494
Report Ref: GS-2047500_LS_3_5
Grid Ref: 498922, 107663

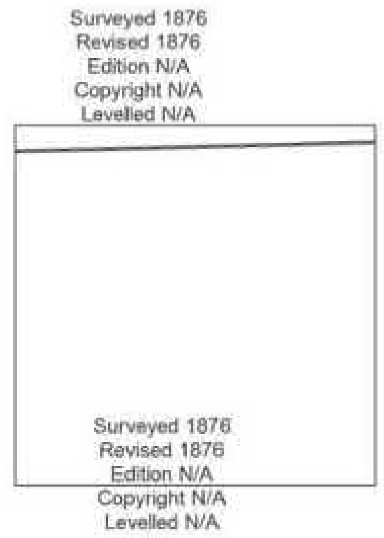
Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500





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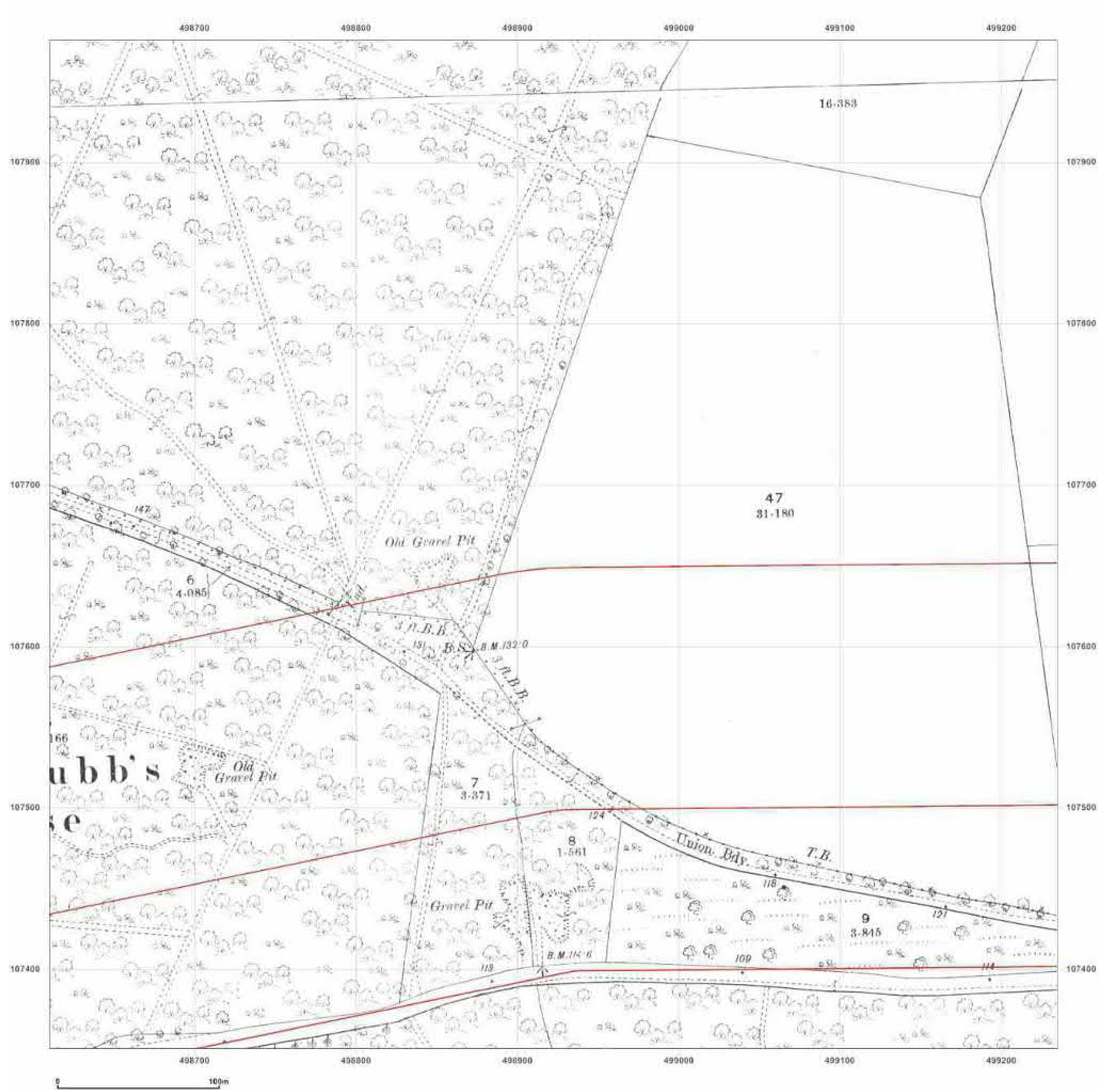

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_5
Grid Ref: 498922, 107663

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

N
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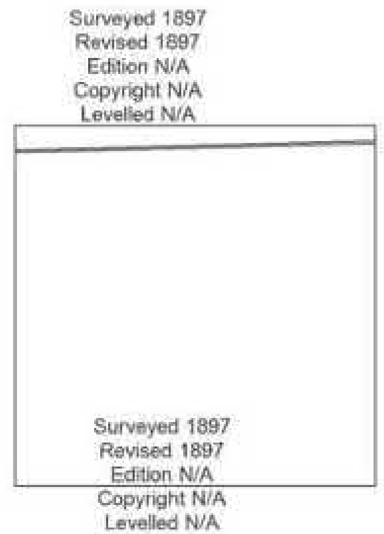

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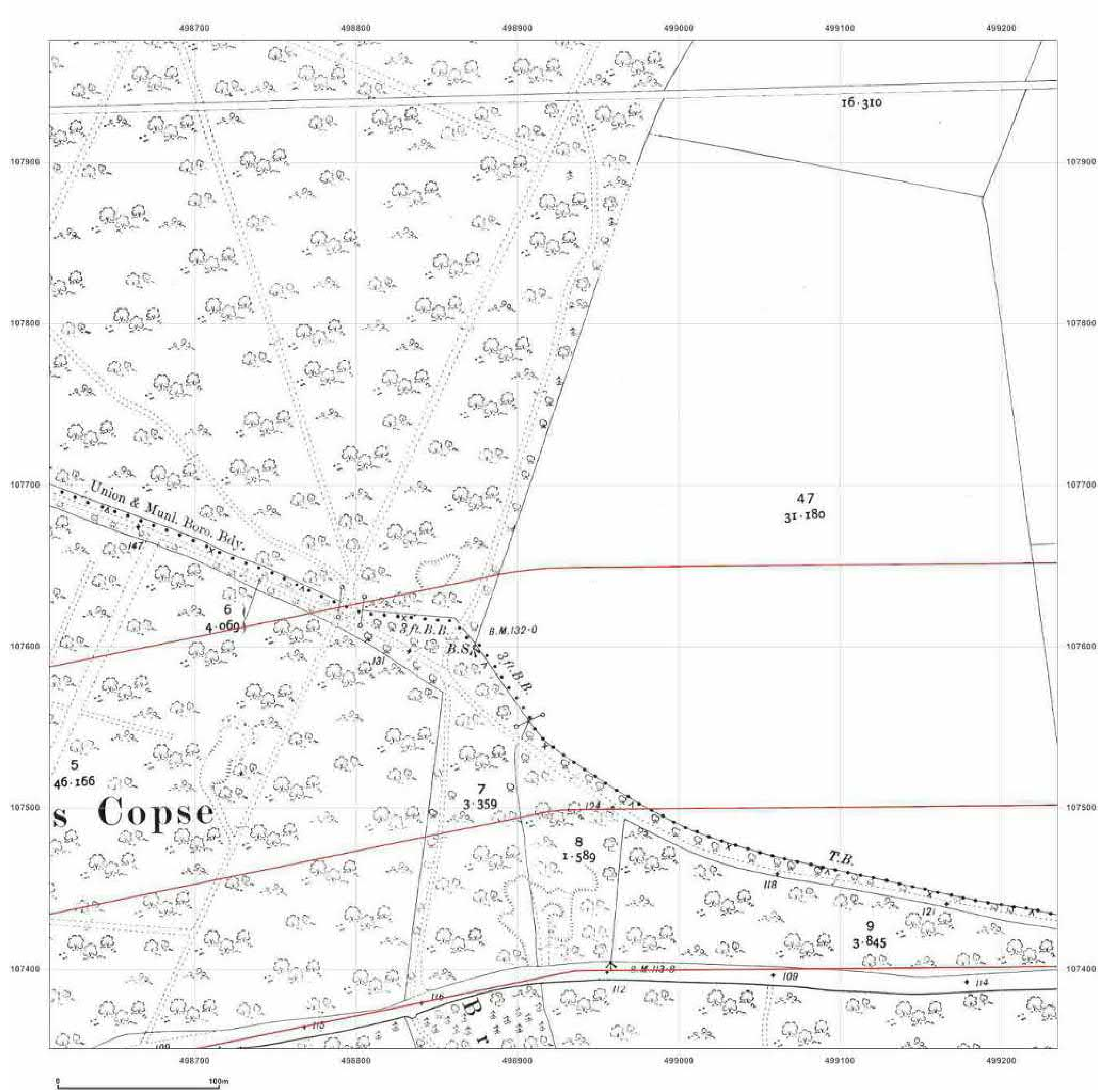


Groundsure INSIGHTS

Site Details:

ARUNDEL

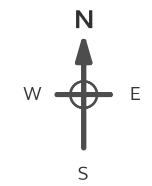
Client Ref: PO86494
Report Ref: GS-2047500_LS_3_5
Grid Ref: 498922, 107663

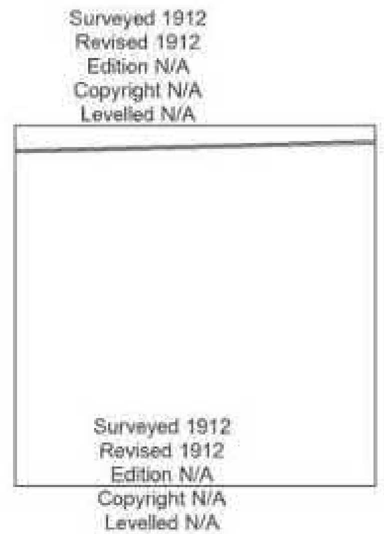
Map Name: County Series

Map date: **1912**

Scale: 1:2,500

Printed at: 1:2,500





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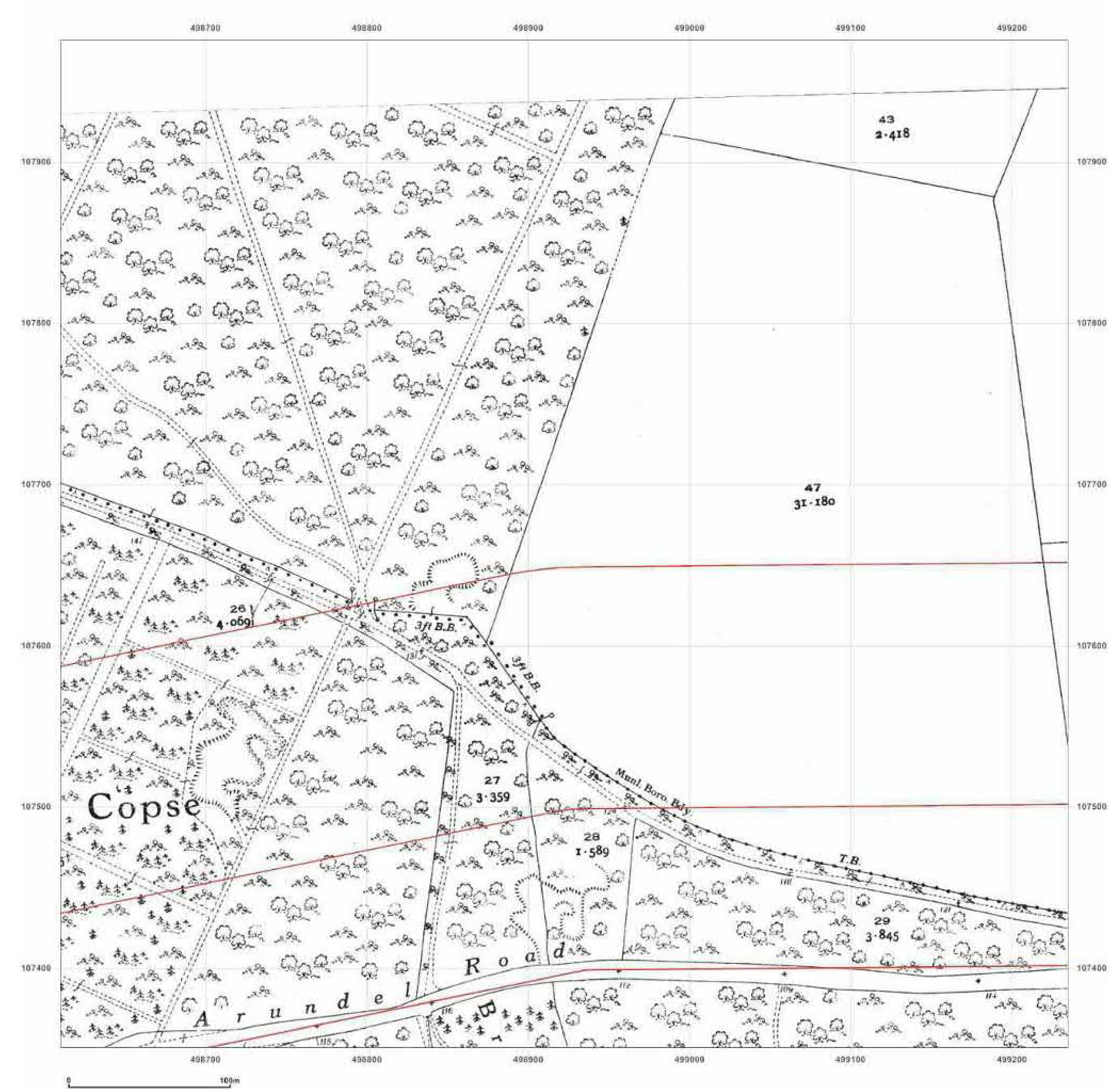

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_5
Grid Ref: 498922, 107663

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N W E S

Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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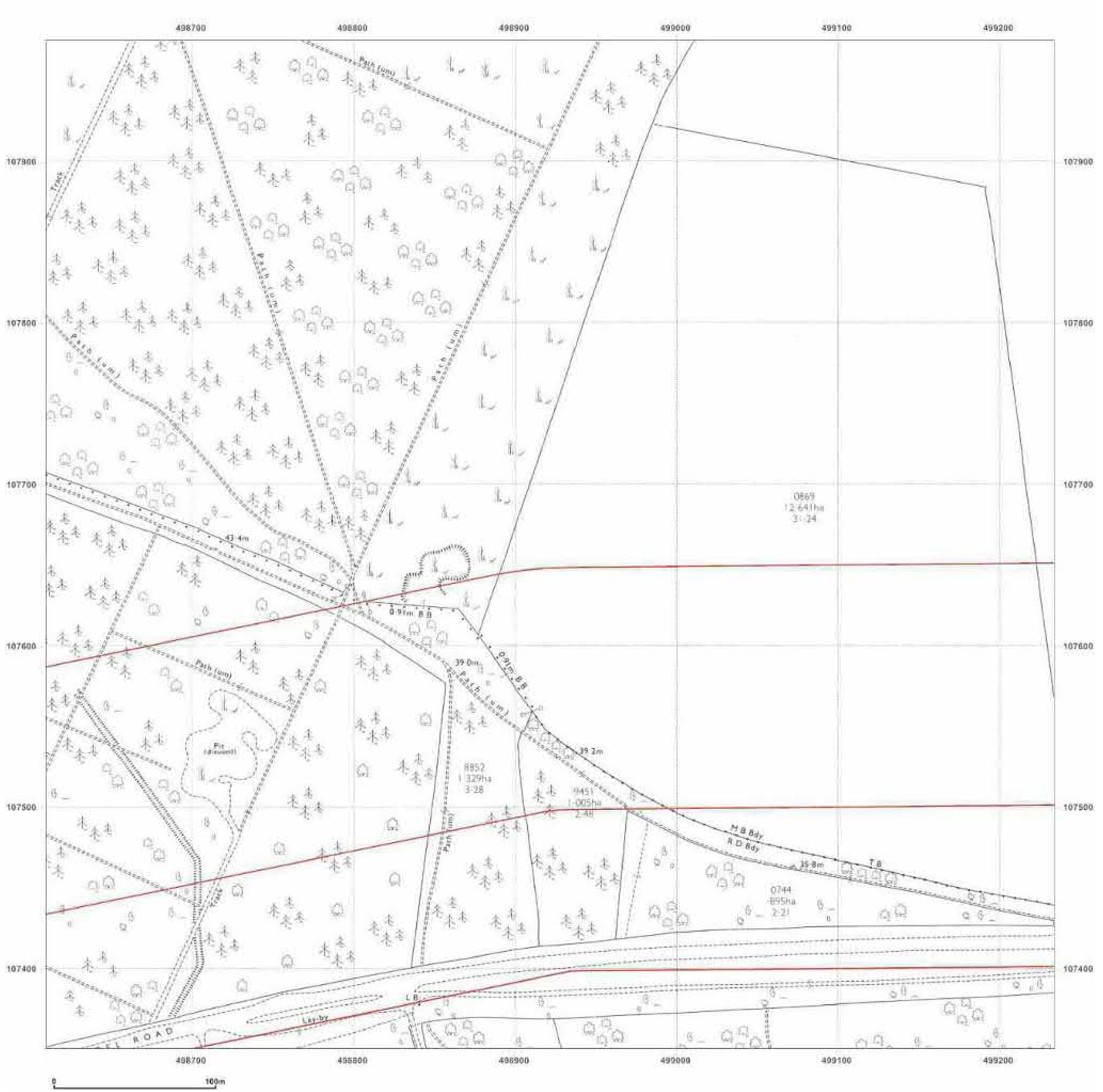

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_3_5
Grid Ref: 498922, 107663

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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Production date: 29 April 2015

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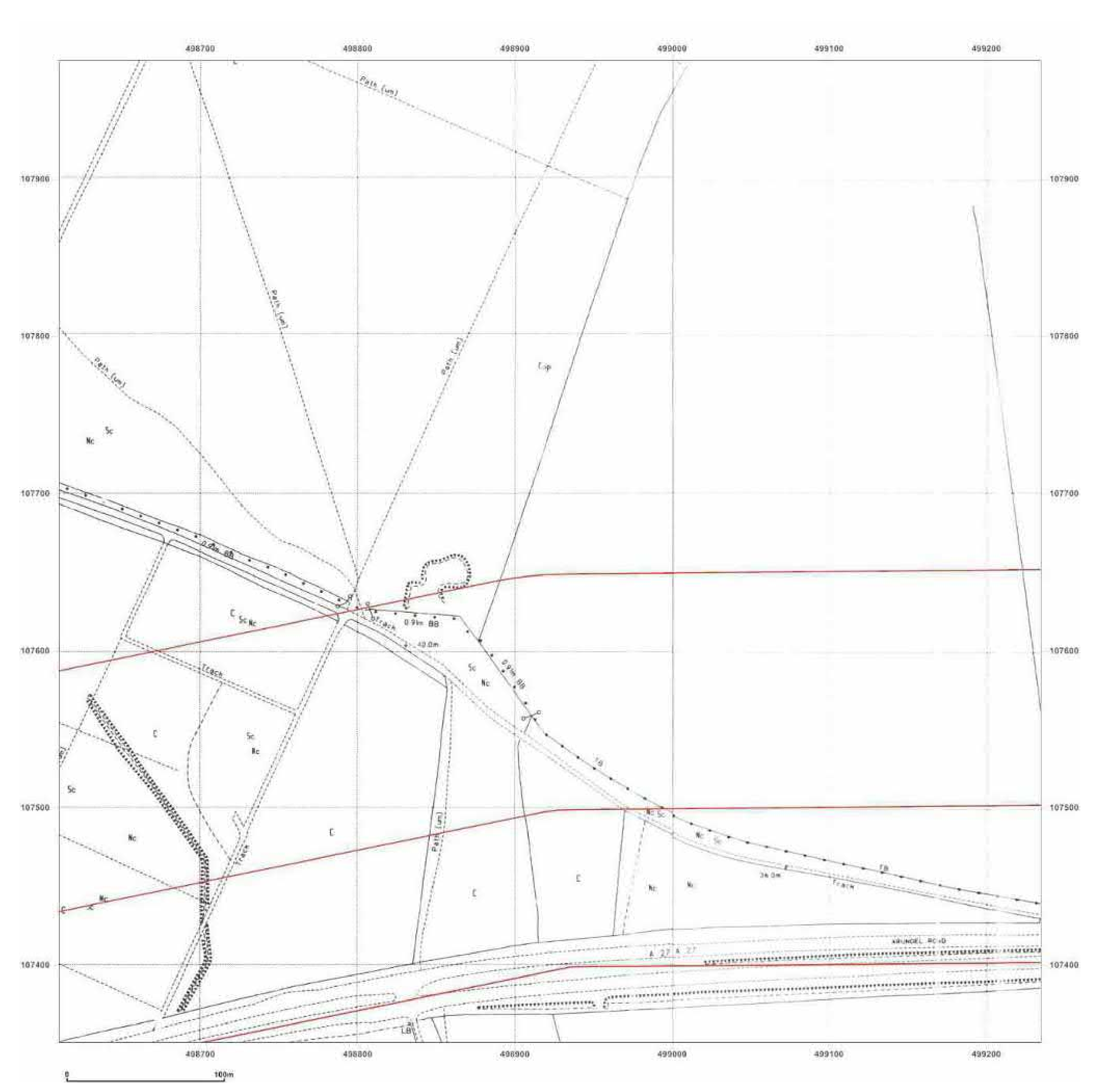


Groundsure INSIGHTS

Site Details:

ARUNDEL

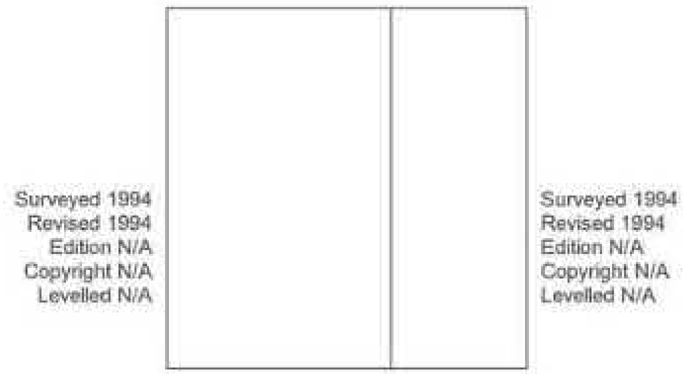
Client Ref: PO86494
Report Ref: GS-2047500_LS_3_5
Grid Ref: 498922, 107663

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500



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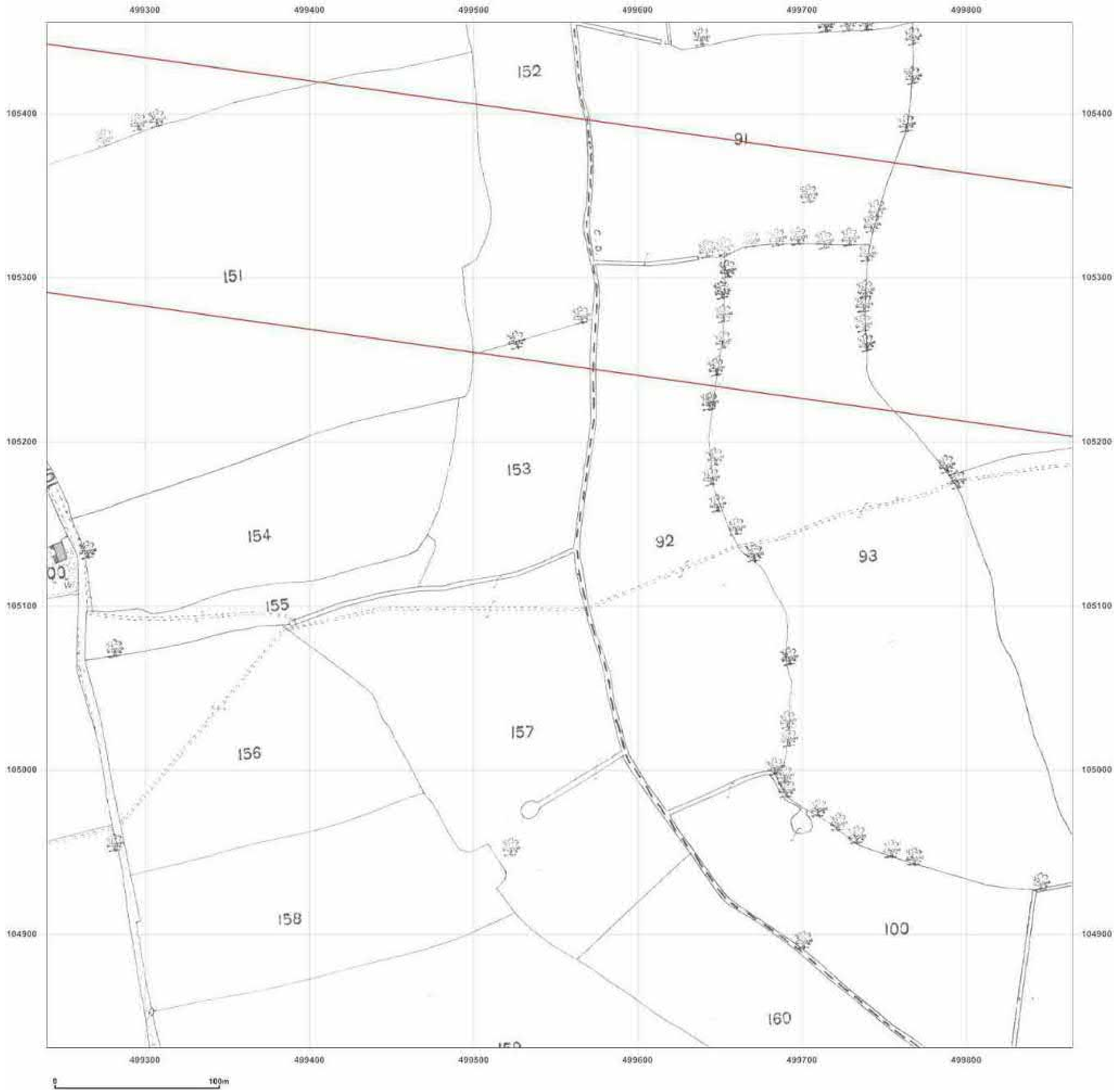

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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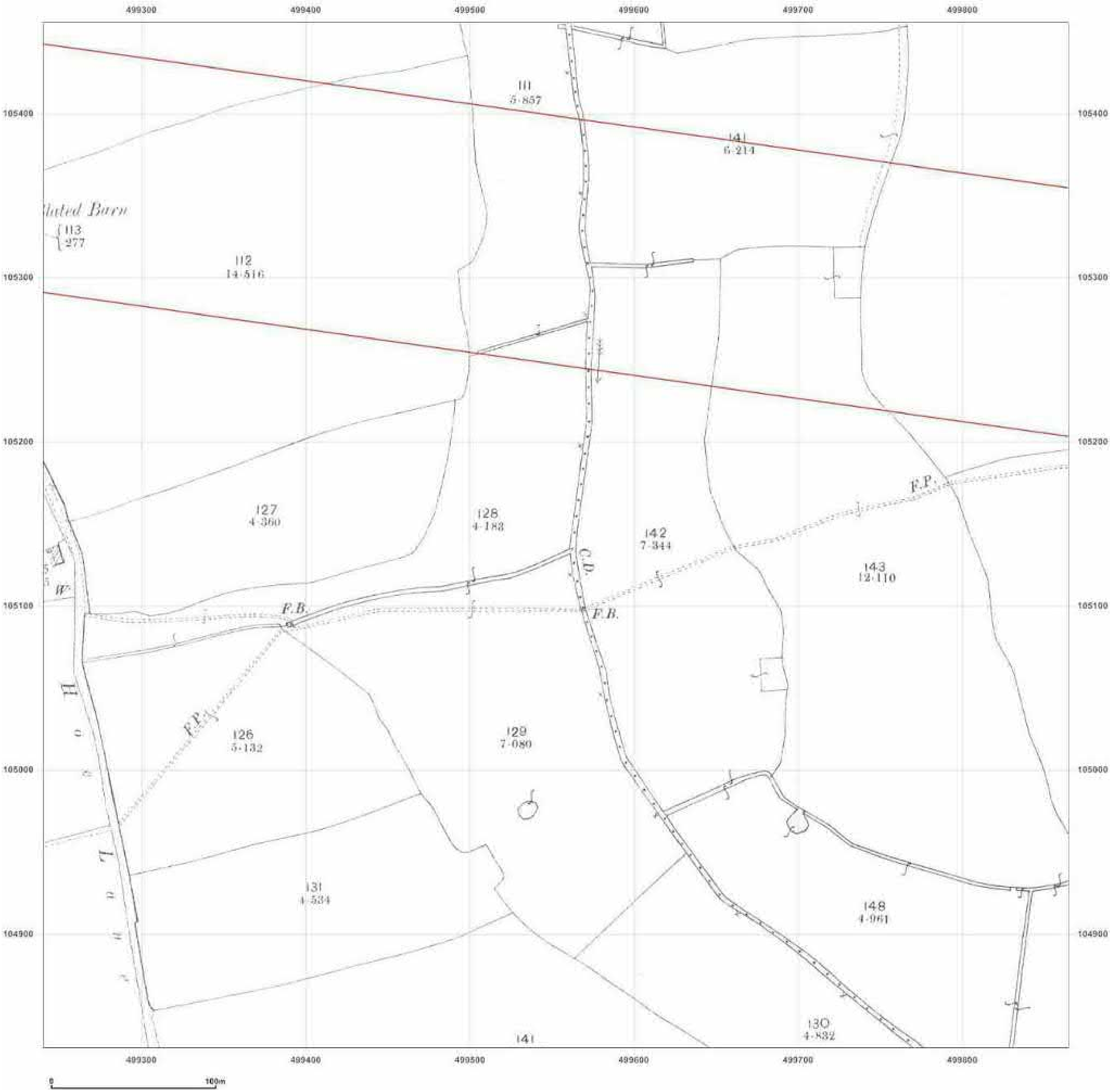

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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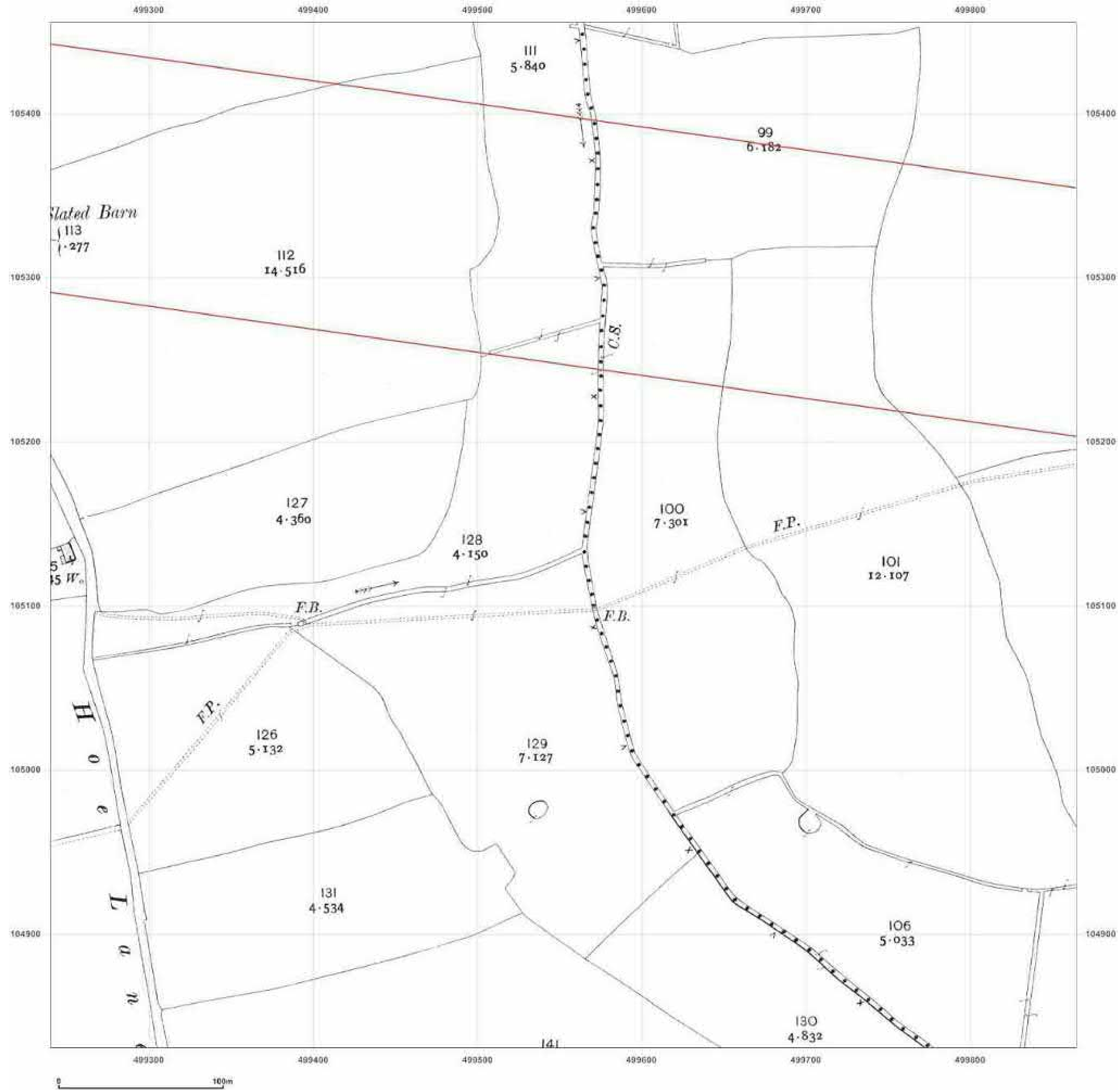

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: County Series

Map date: **1912**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 29 April 2015

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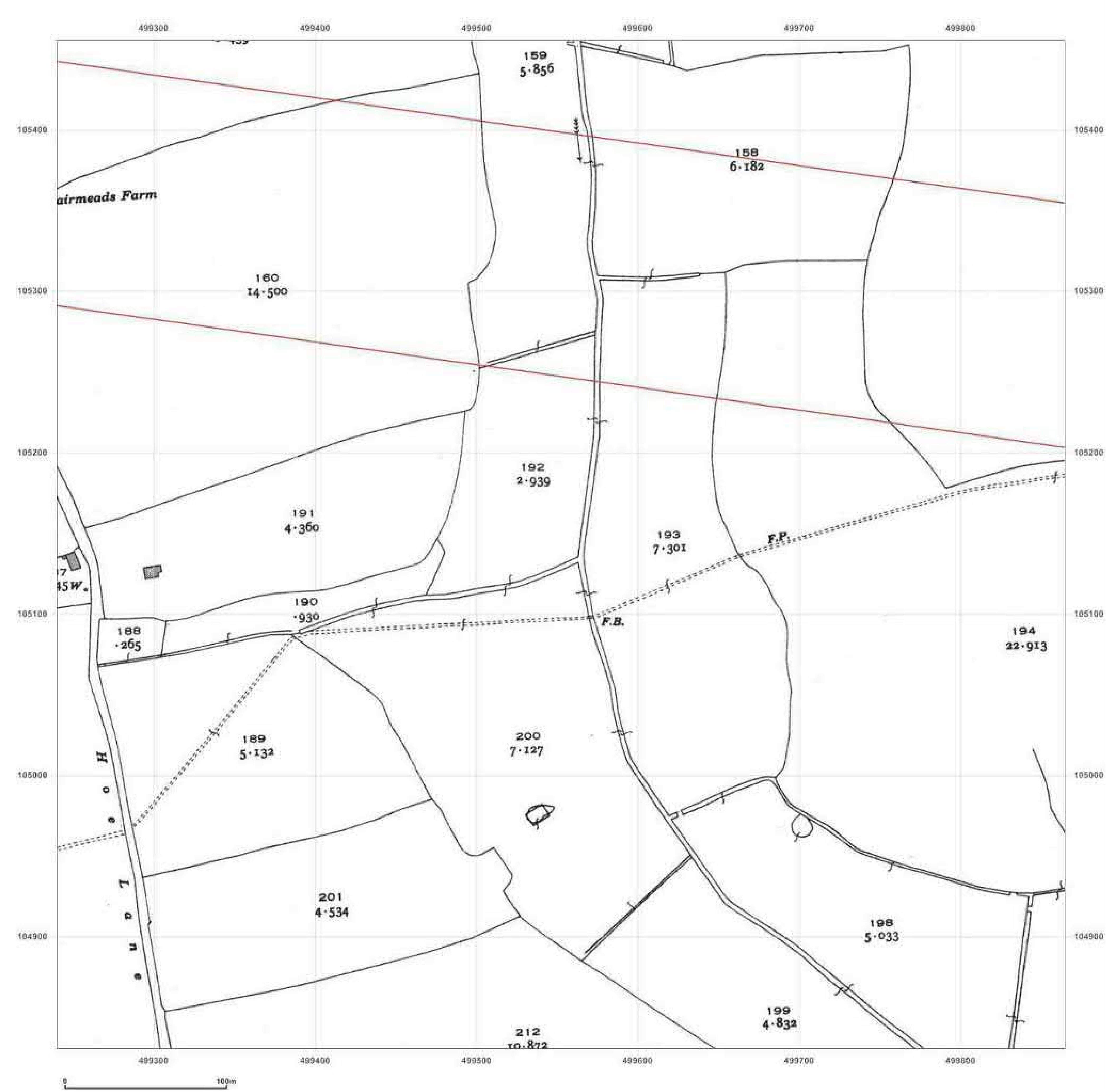

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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W: www.groundsure.com

Production date: 29 April 2015

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: National Grid

Map date: **1973-1974**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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

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Production date: 29 April 2015

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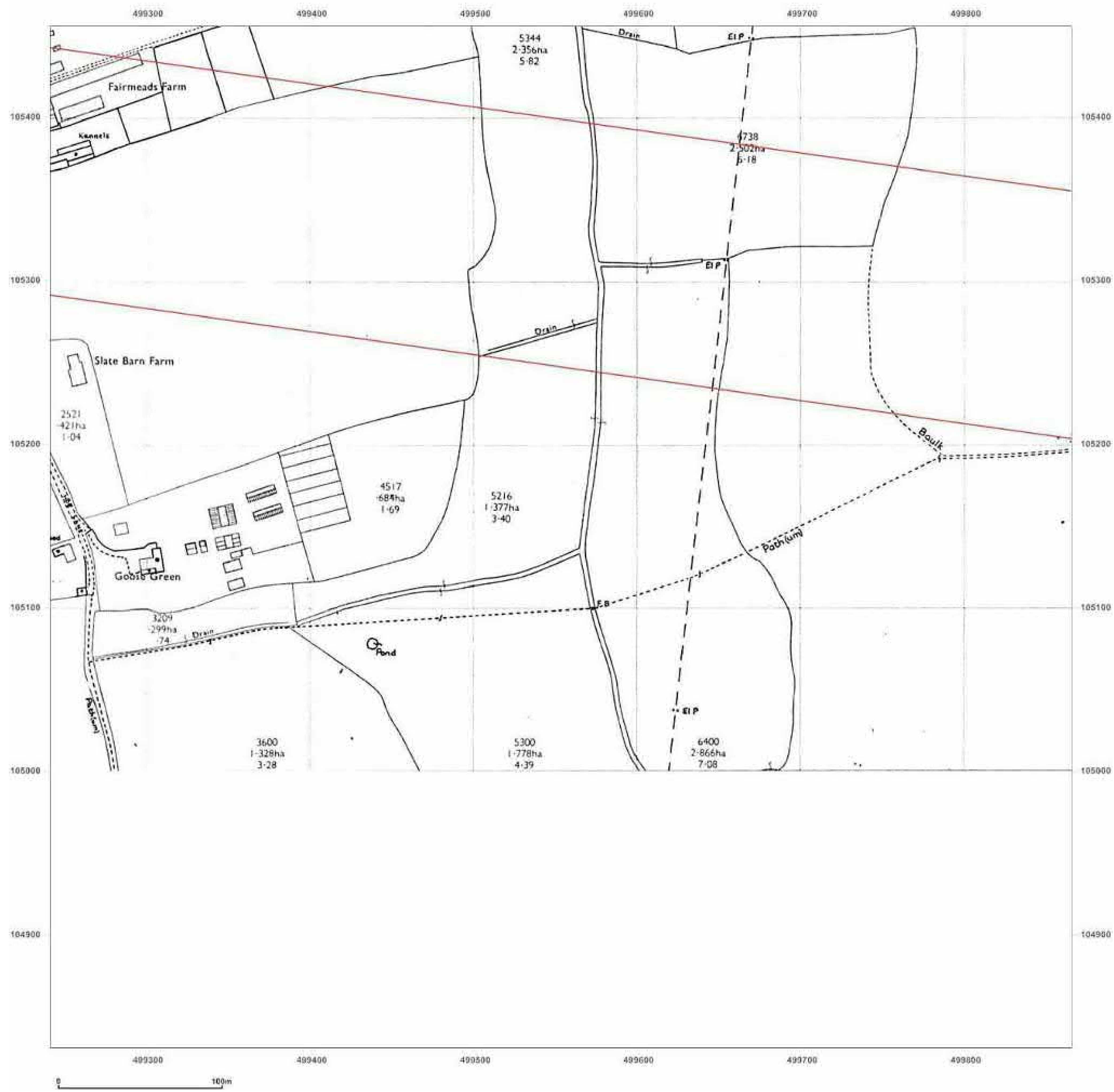

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: National Grid

Map date: **1982**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1975
Revised 1982
Edition N/A
Copyright 1982
Levelled 1975

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Production date: 29 April 2015

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Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_1
Grid Ref: 499552, 105143

Map Name: National Grid

Map date: **1990-1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W
E
S

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

Surveyed 1975
Revised 1990
Edition N/A
Copyright 1990
Levelled 1975

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Production date: 29 April 2015

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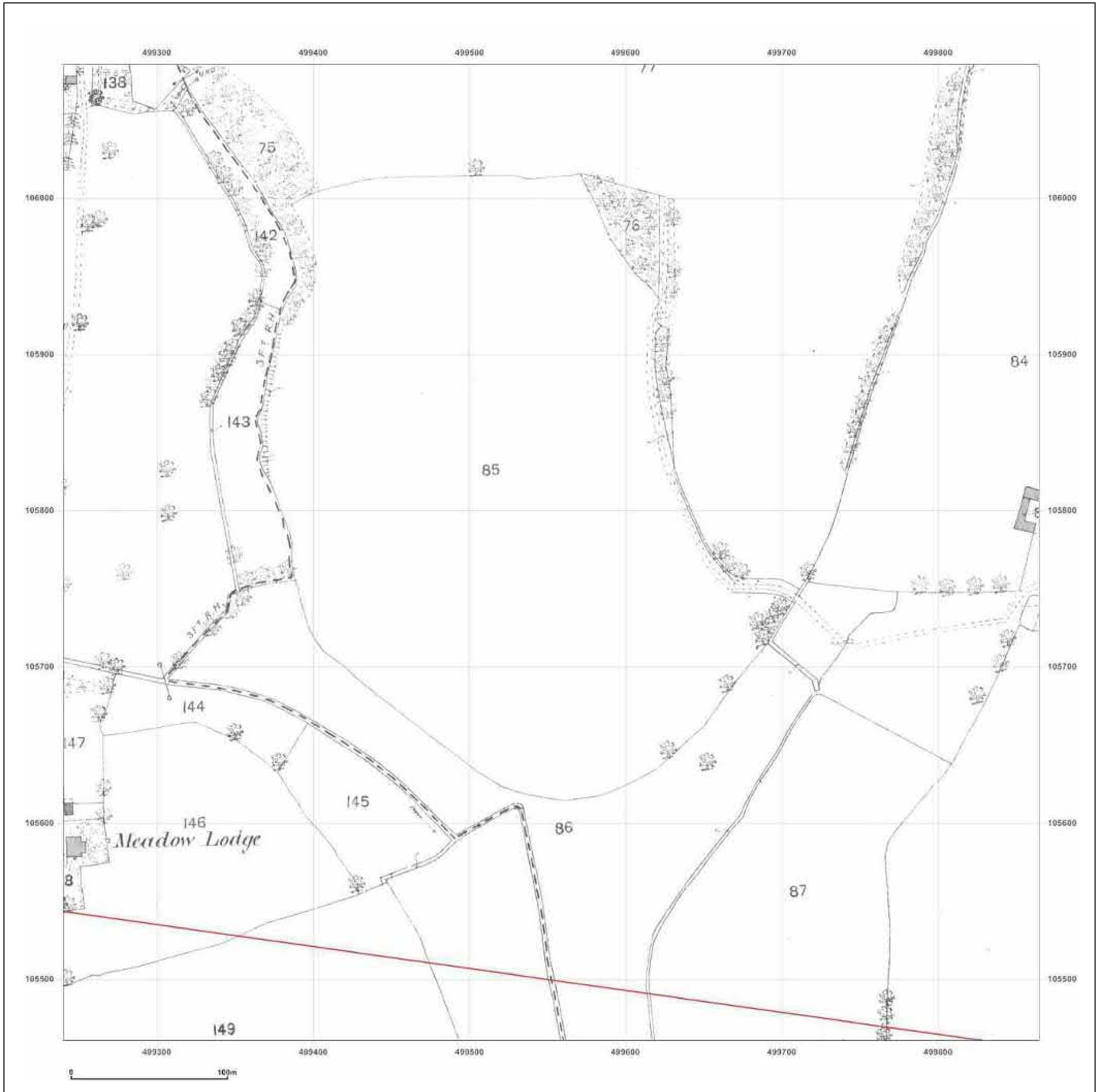

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 29 April 2015

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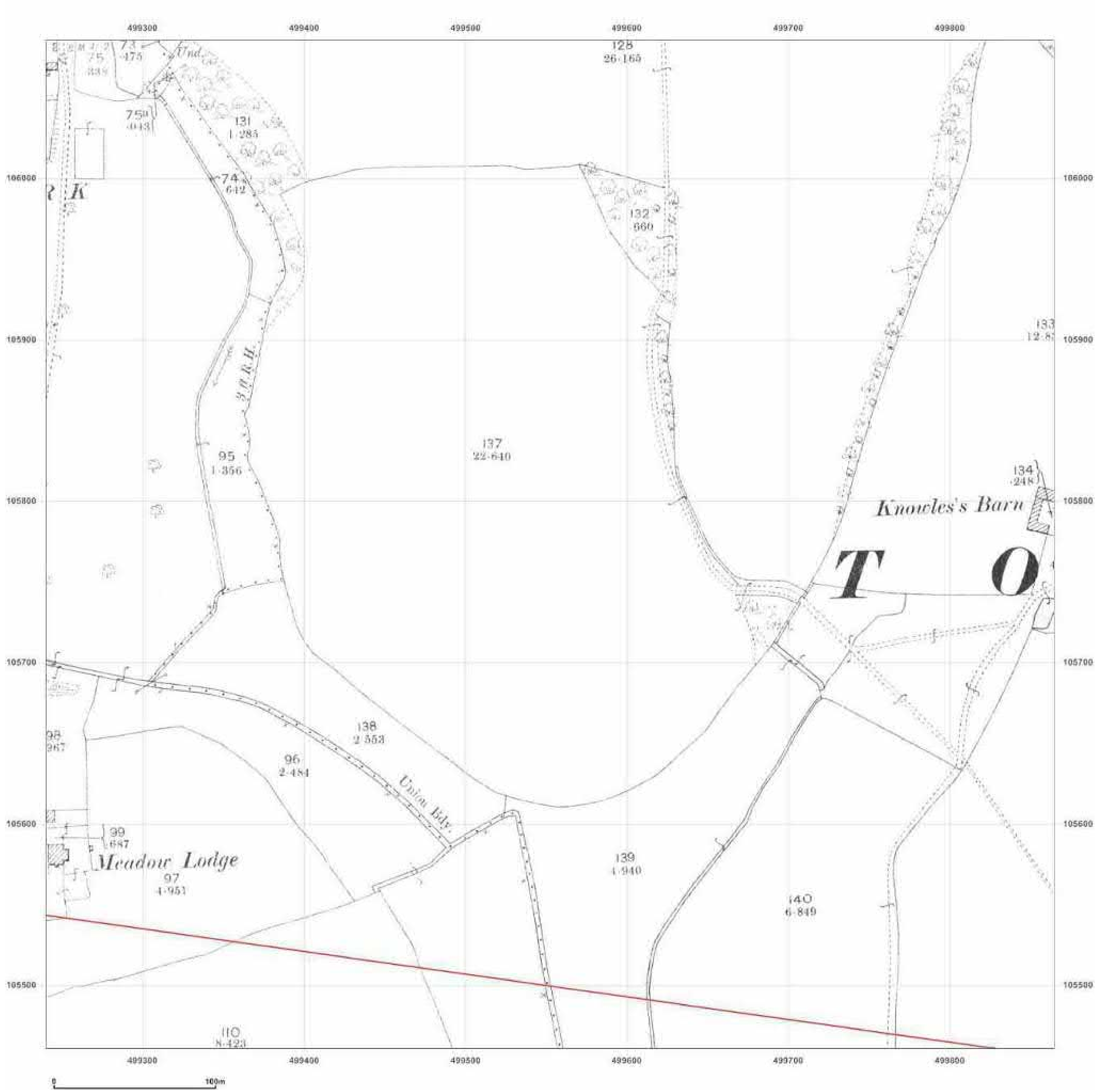

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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Production date: 29 April 2015

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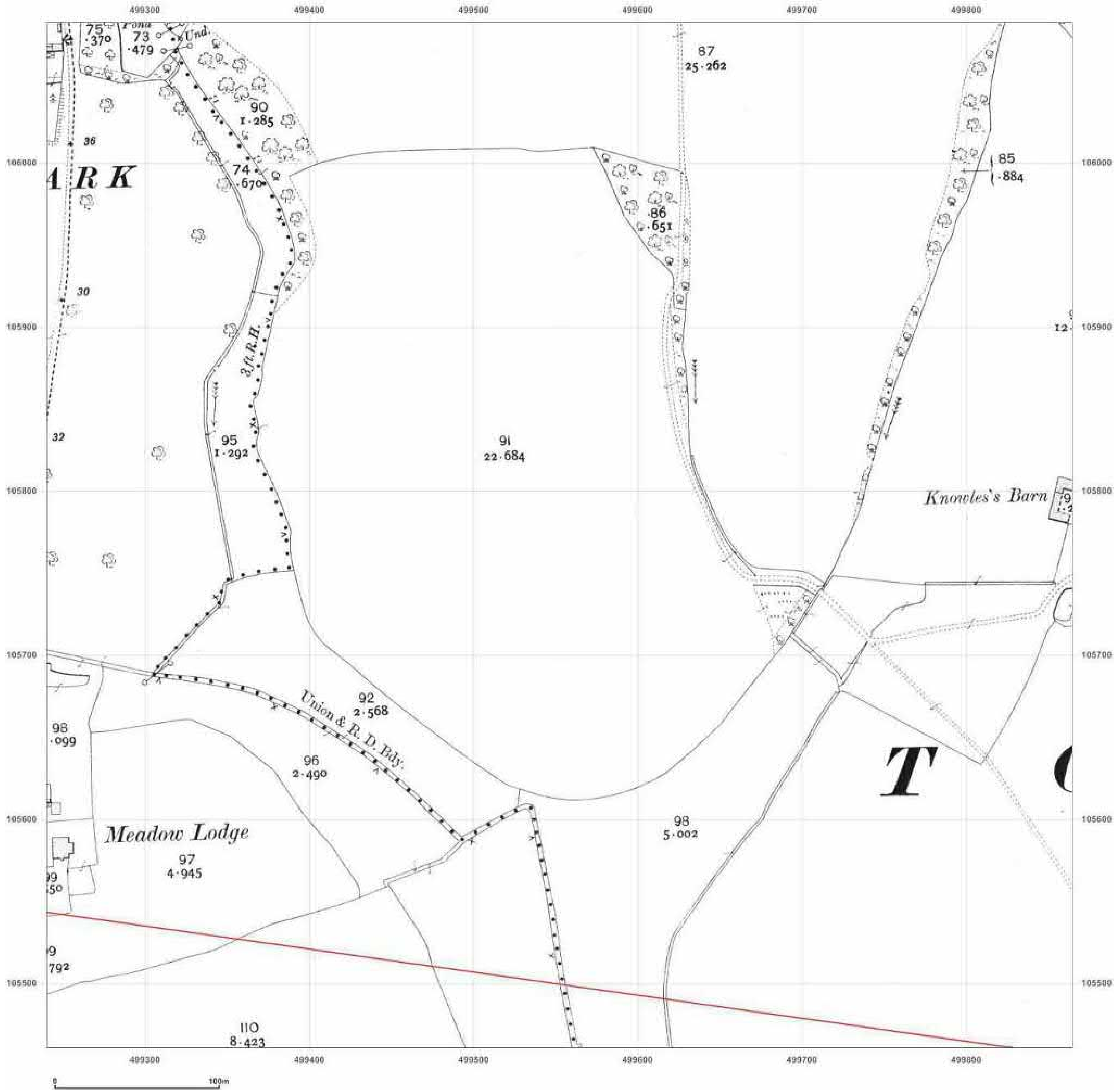

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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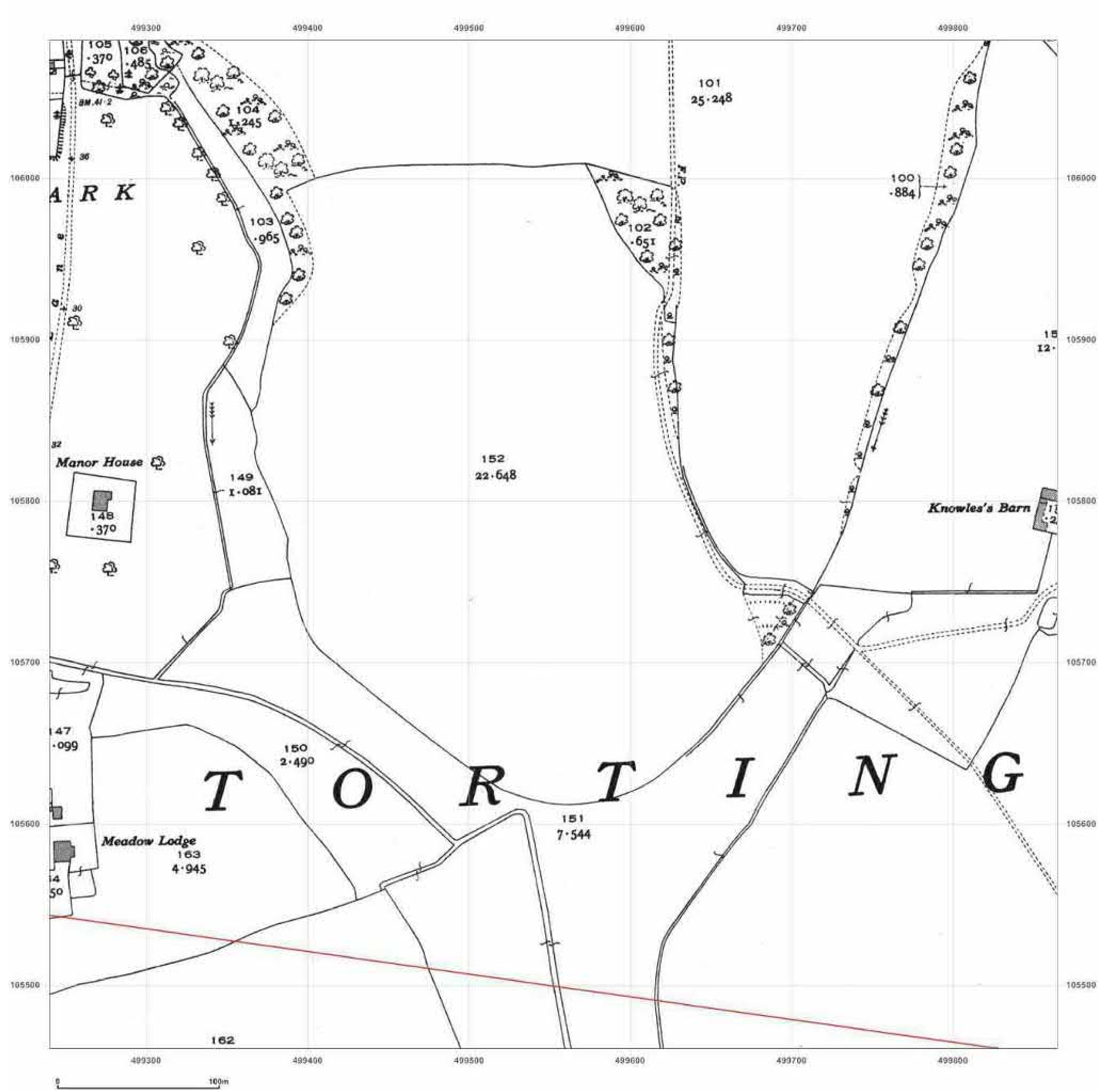

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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W: www.groundsure.com

Production date: 29 April 2015

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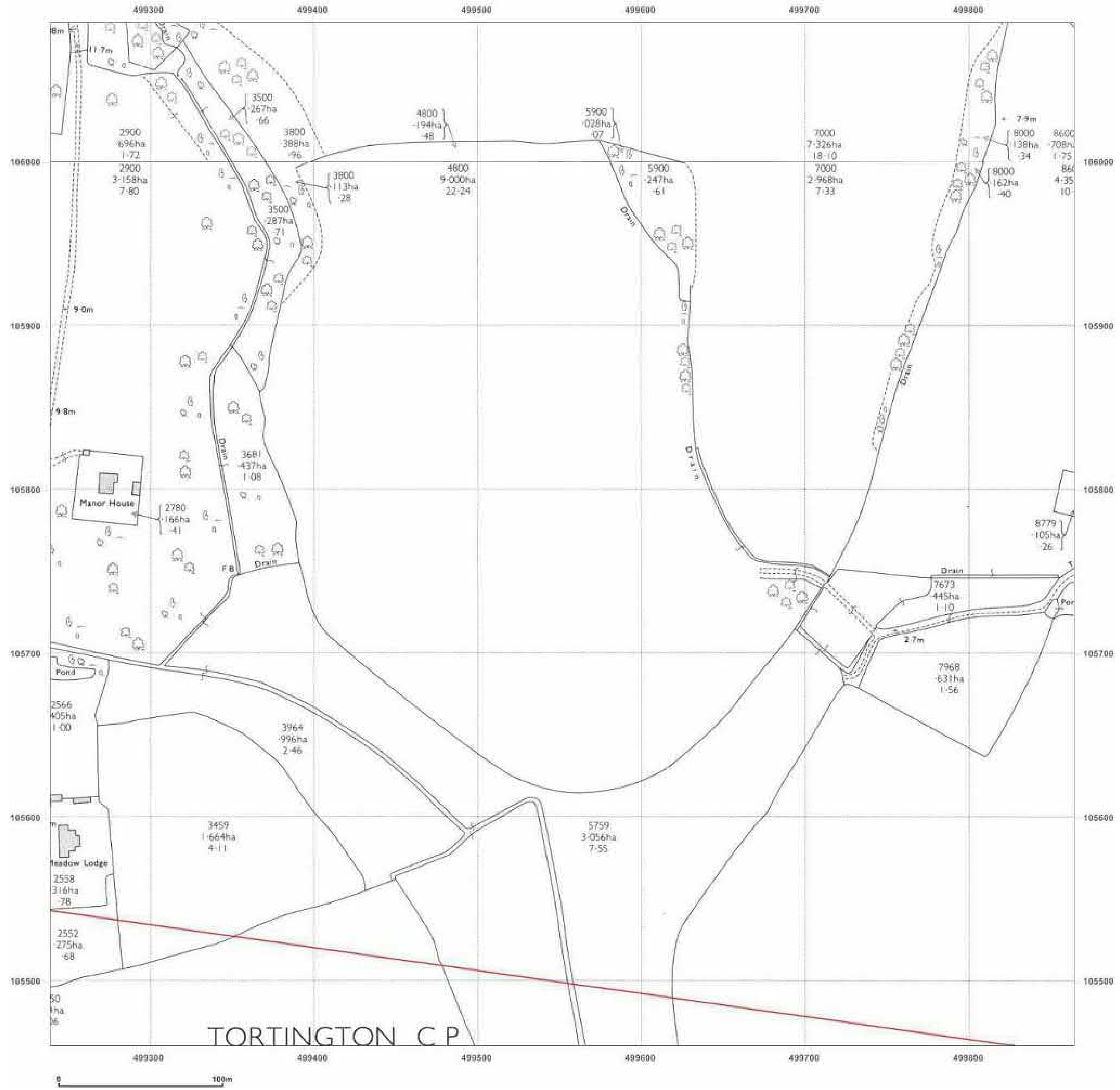

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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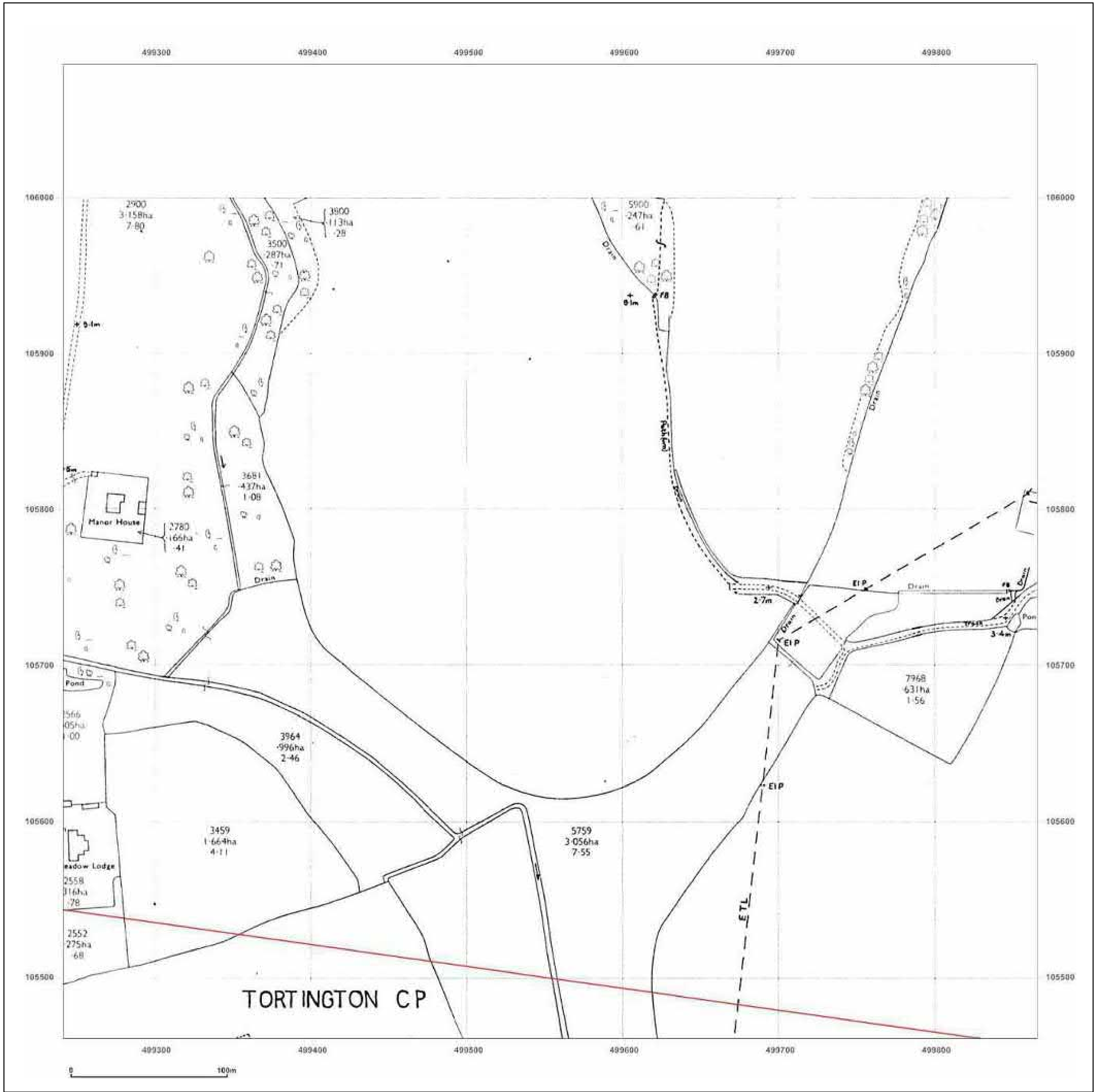
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: National Grid

Map date: **1982**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1975
Revised 1982
Edition N/A
Copyright 1982
Levelled 1975

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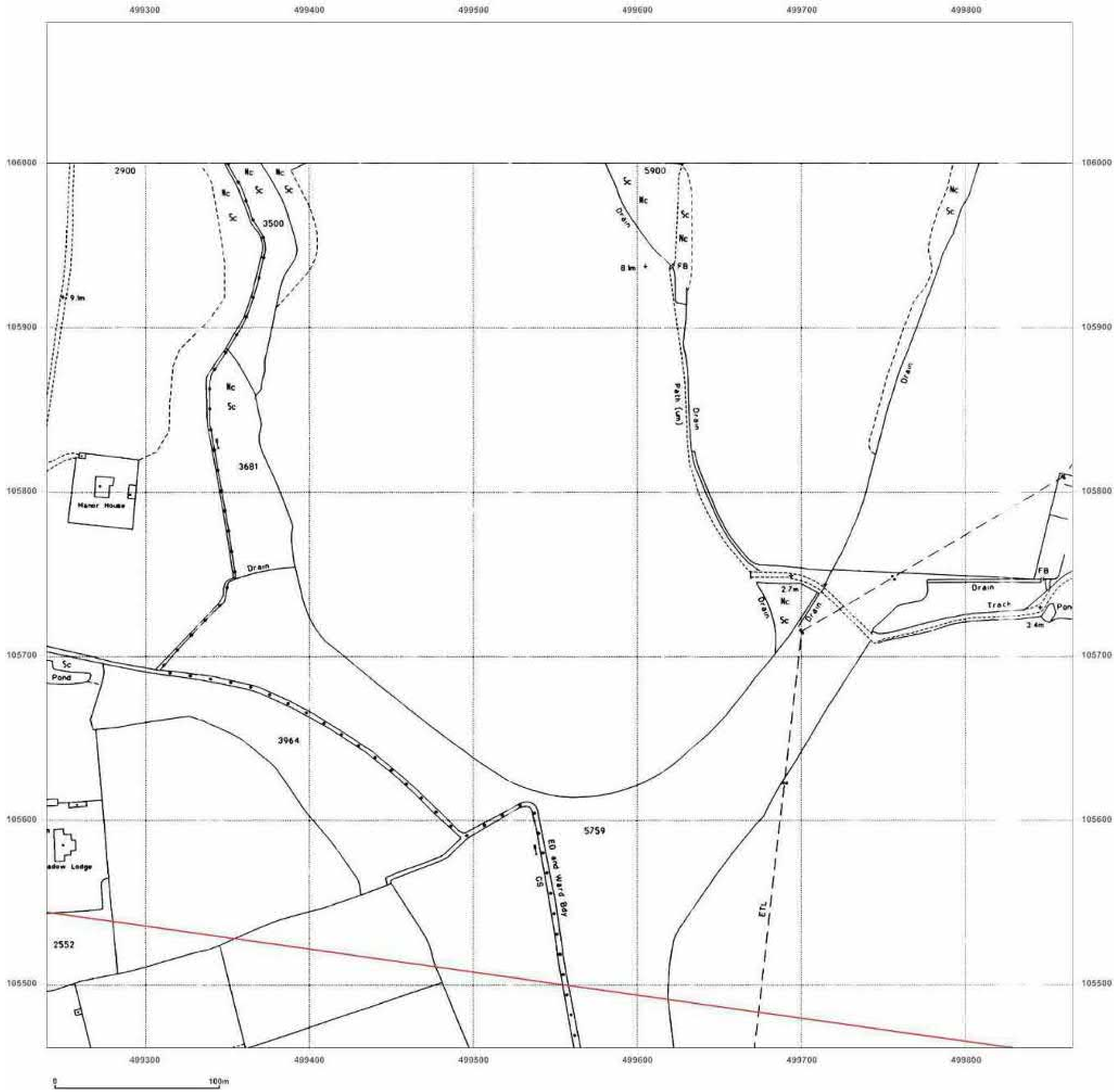
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_2
Grid Ref: 499552, 105773

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500

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

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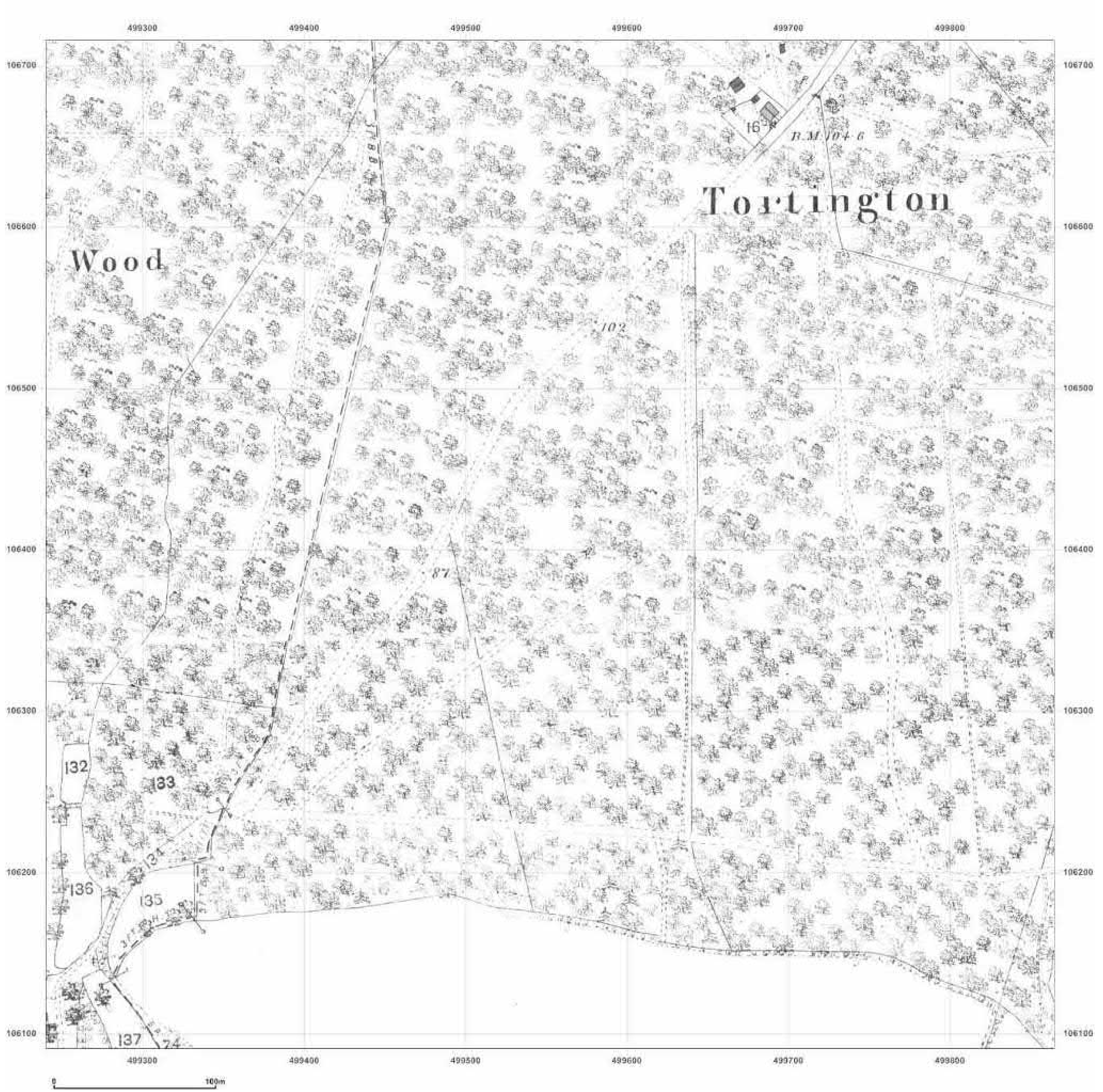
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

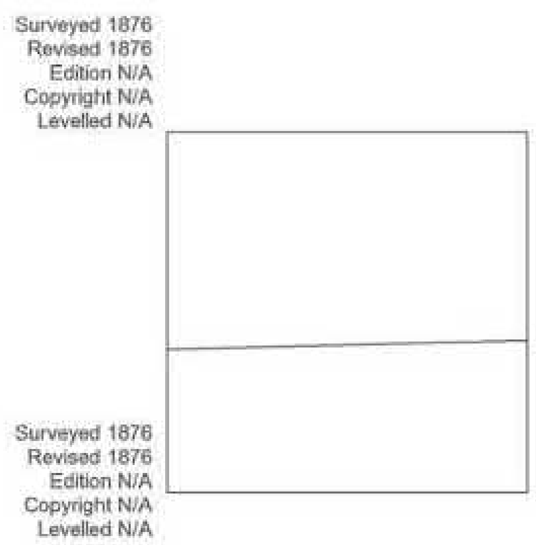
Client Ref: PO86494
Report Ref: GS-2047500_LS_4_3
Grid Ref: 499552, 106403

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500



Produced by
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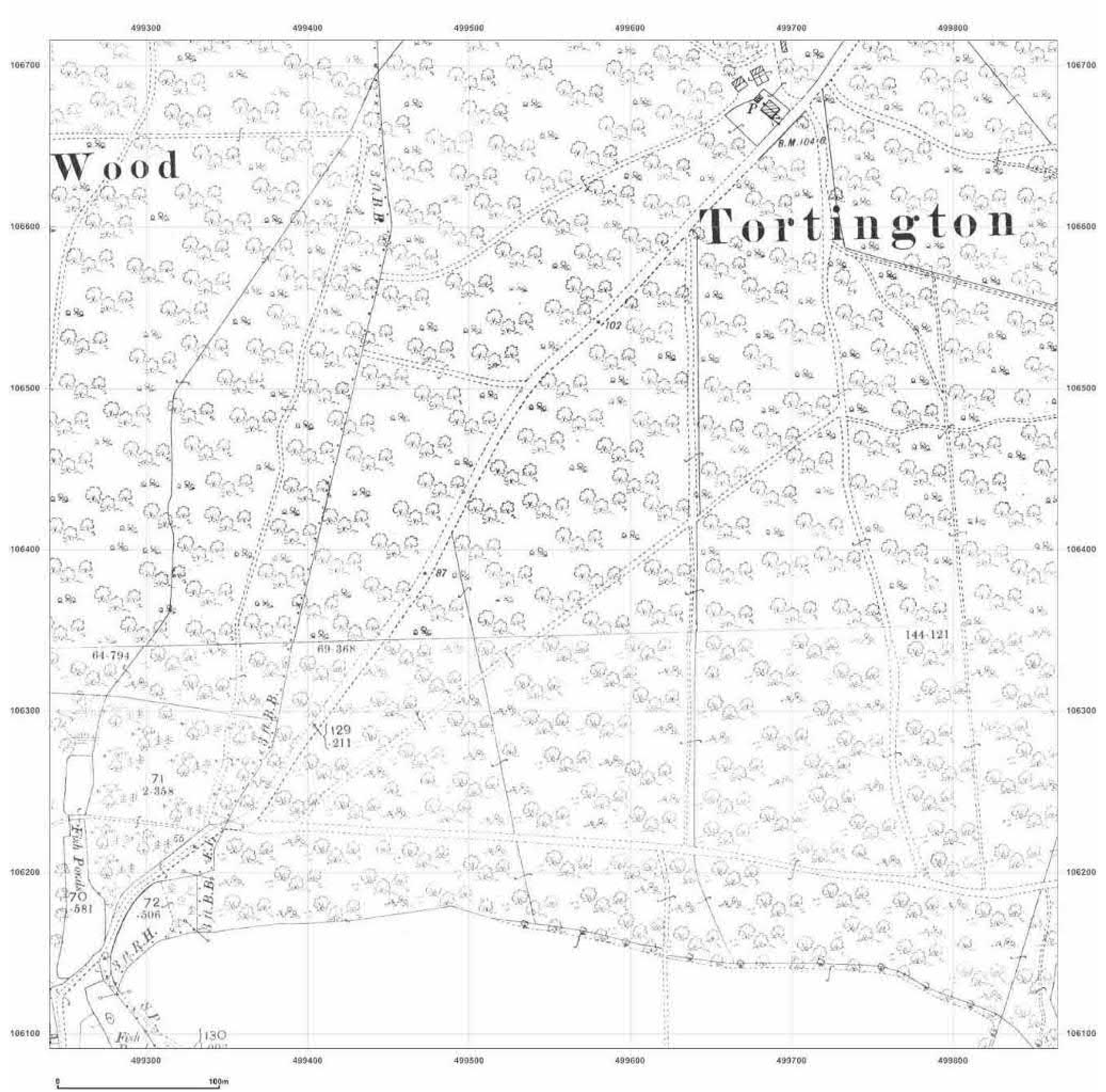
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

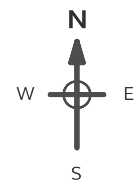
Client Ref: PO86494
Report Ref: GS-2047500_LS_4_3
Grid Ref: 499552, 106403

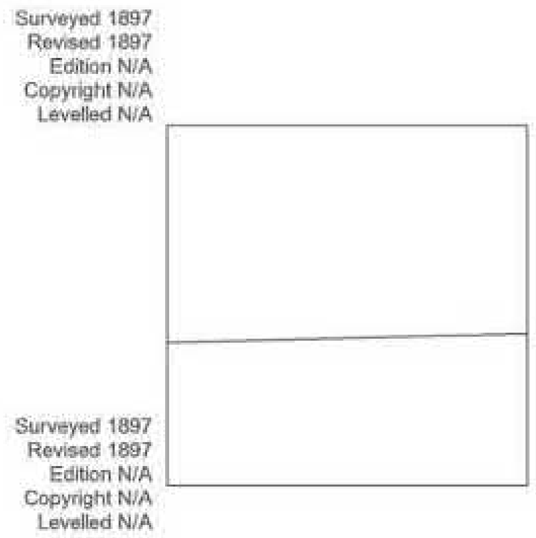
Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500





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Production date: 29 April 2015

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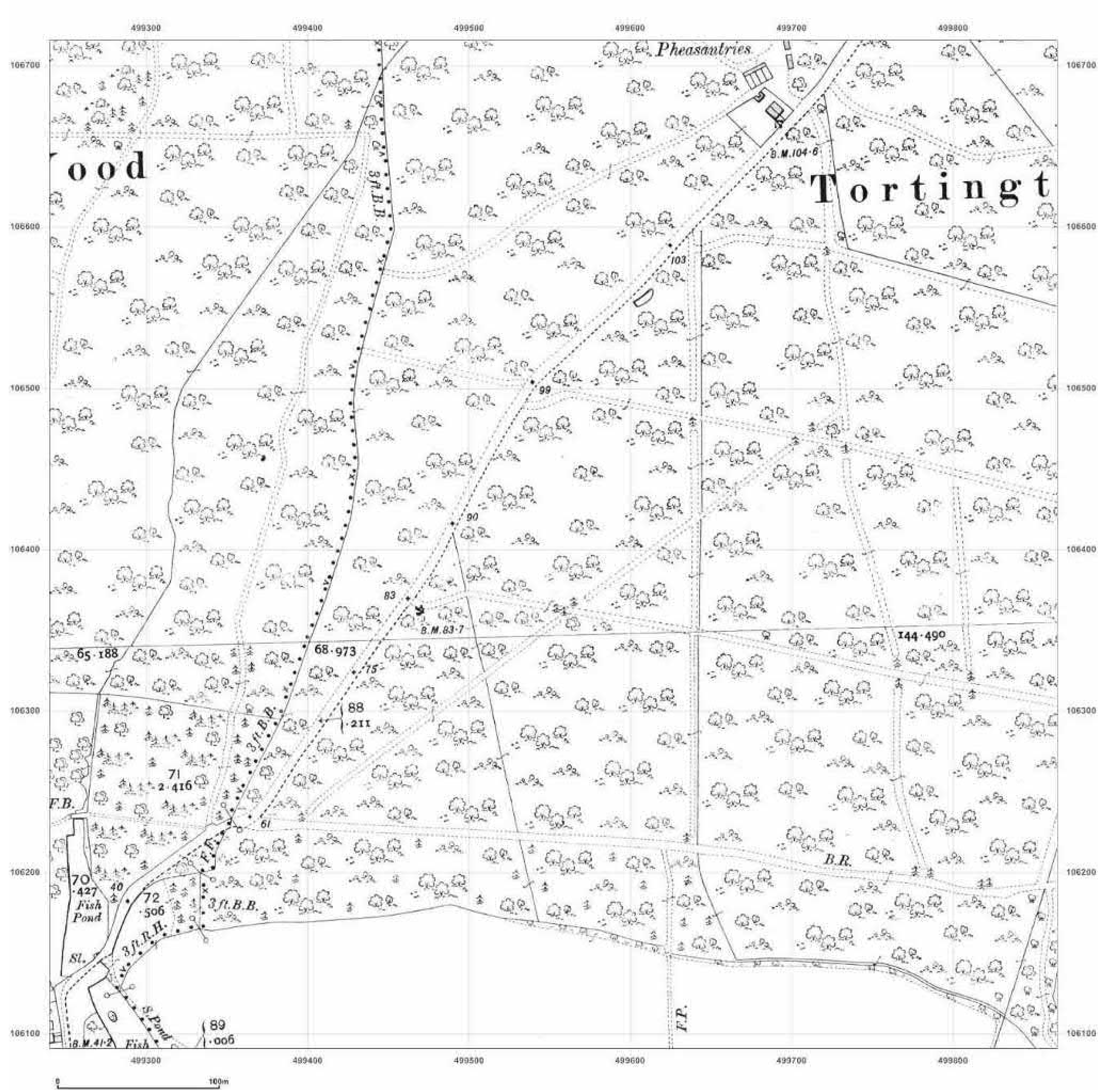

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_3
Grid Ref: 499552, 106403

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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

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

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Production date: 29 April 2015

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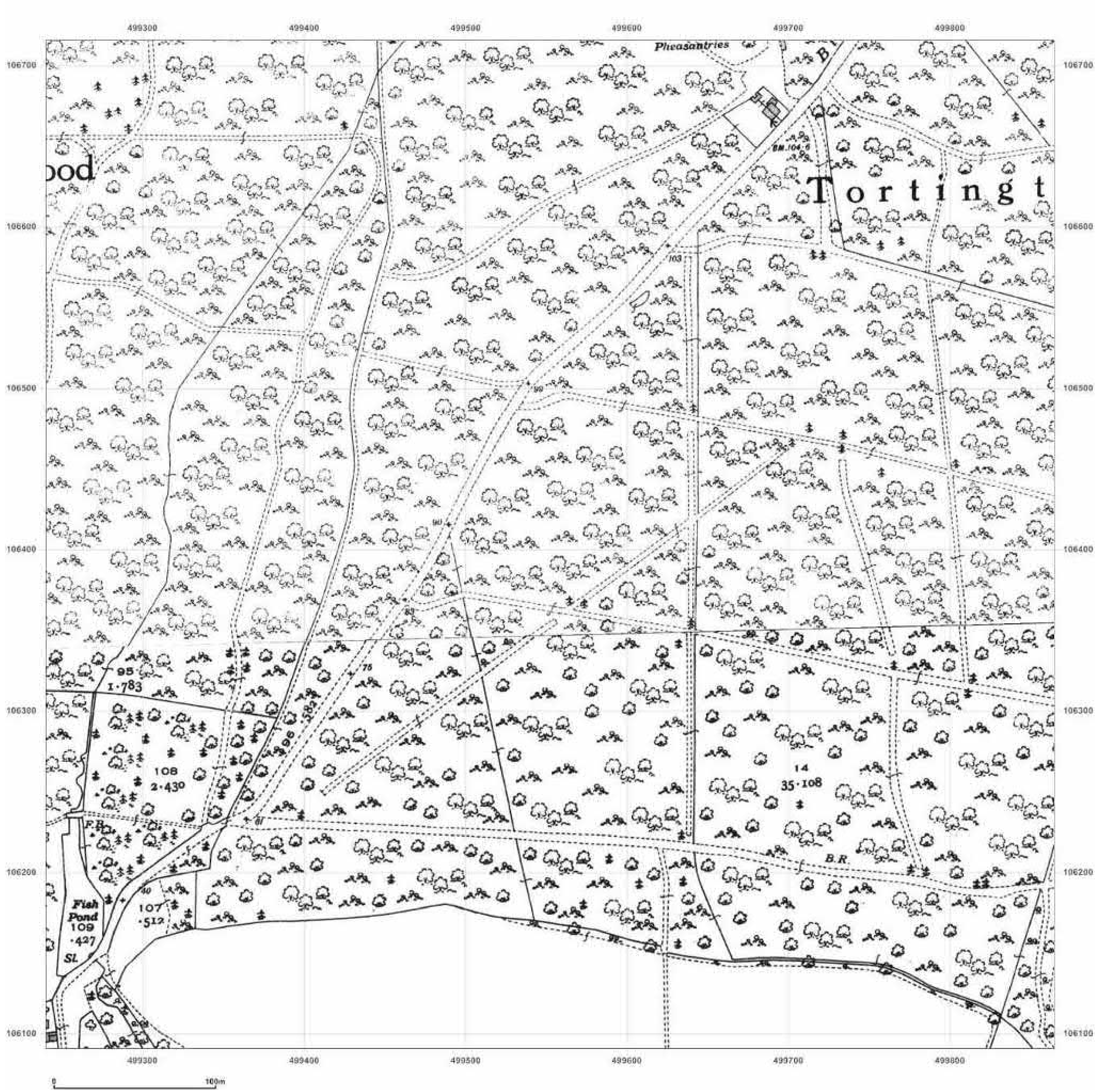

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_3
Grid Ref: 499552, 106403

Map Name:	County Series
Map date:	**1939**
Scale:	1:2,500
Printed at:	1:2,500

N
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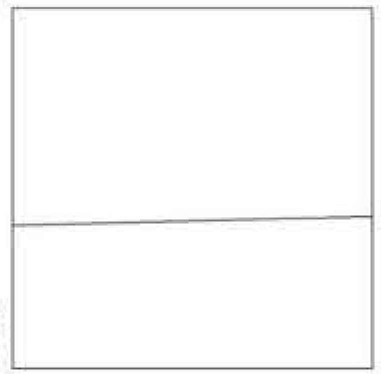
Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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W: www.groundsure.com

Production date: 29 April 2015

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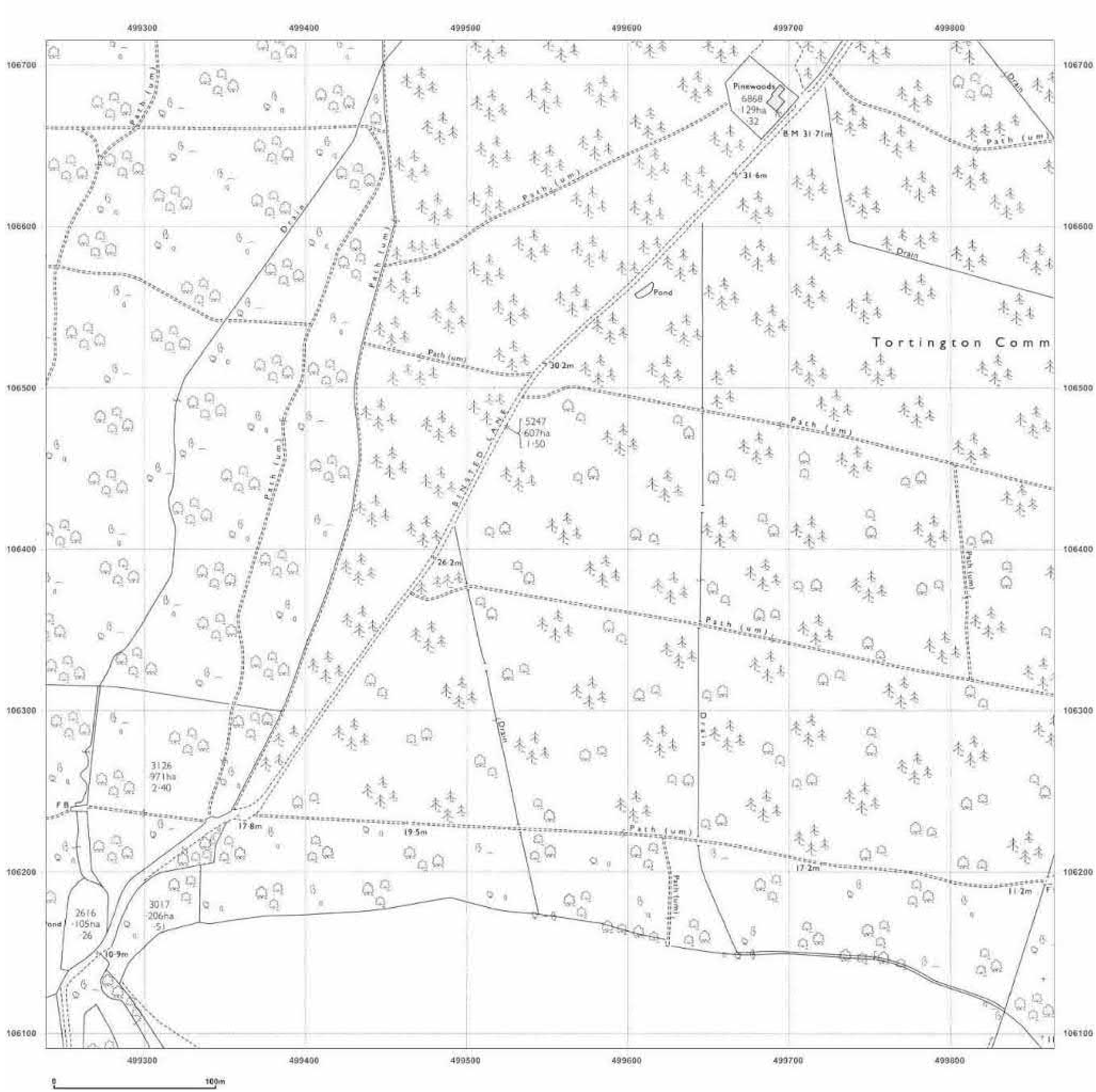

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_3
Grid Ref: 499552, 106403

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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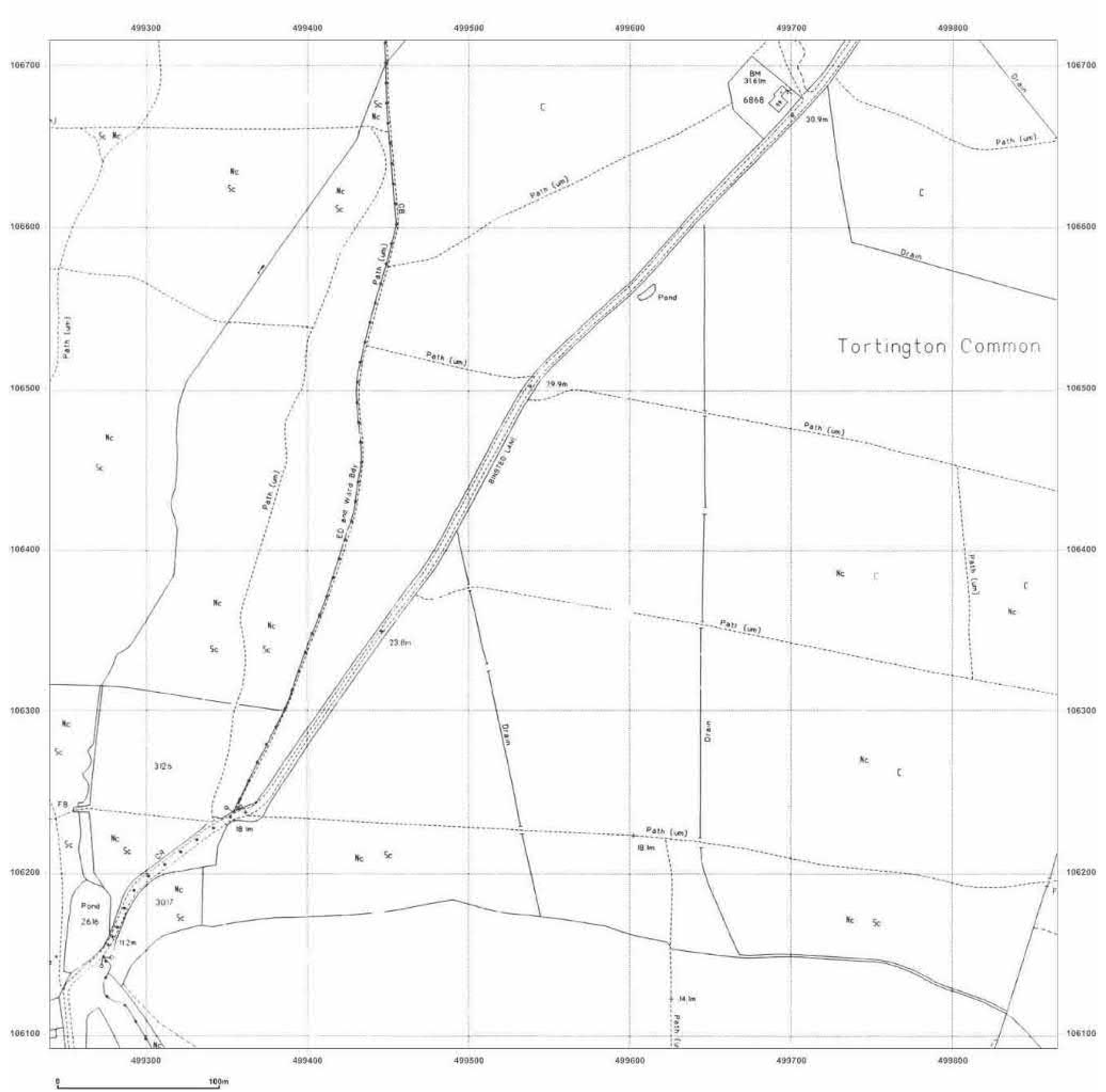
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_3
Grid Ref: 499552, 106403

Map Name: National Grid

Map date: 1994

Scale: 1:2,500

Printed at: 1:2,500

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

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Produced by
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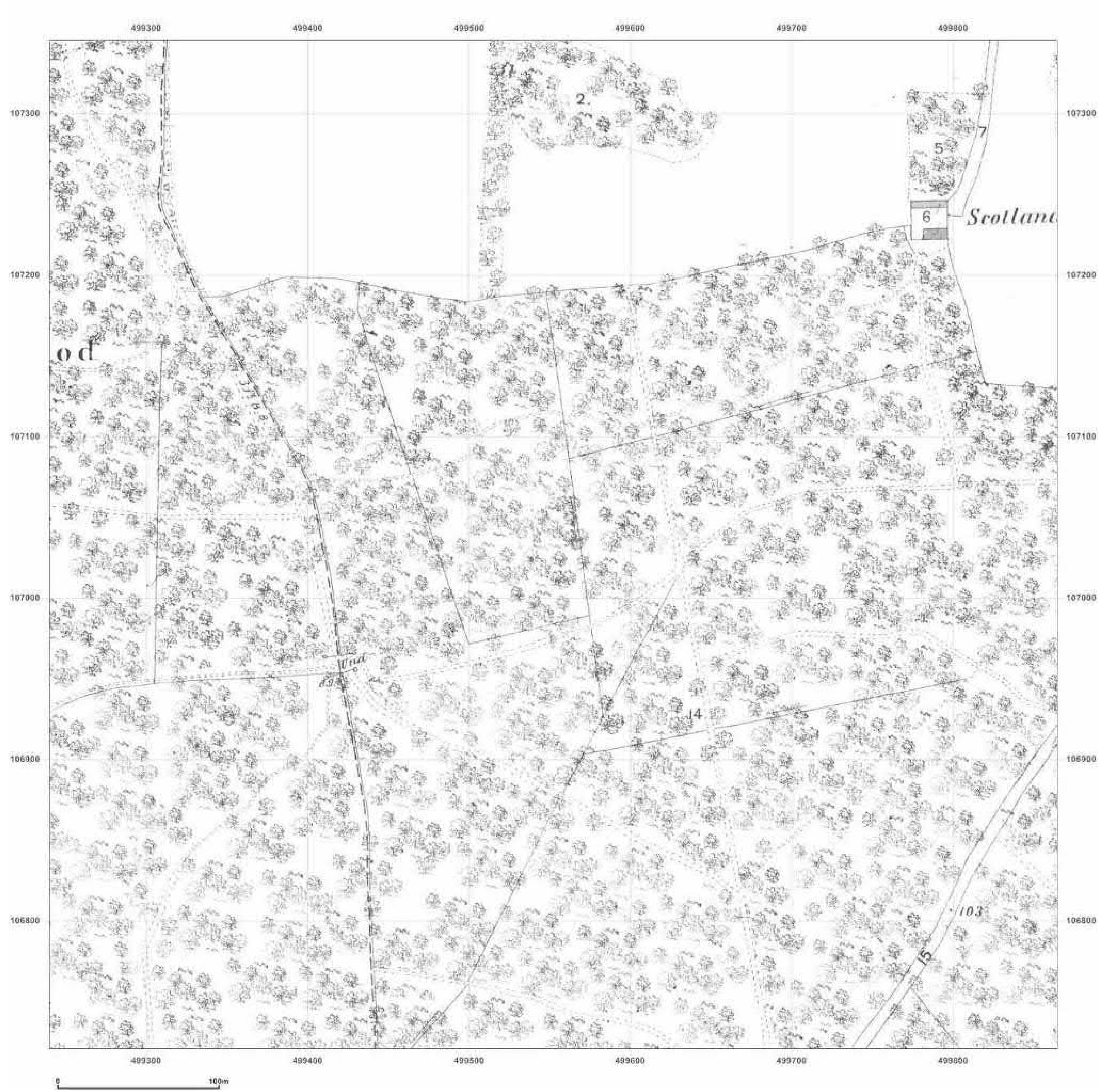
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_4
Grid Ref: 499552, 107033

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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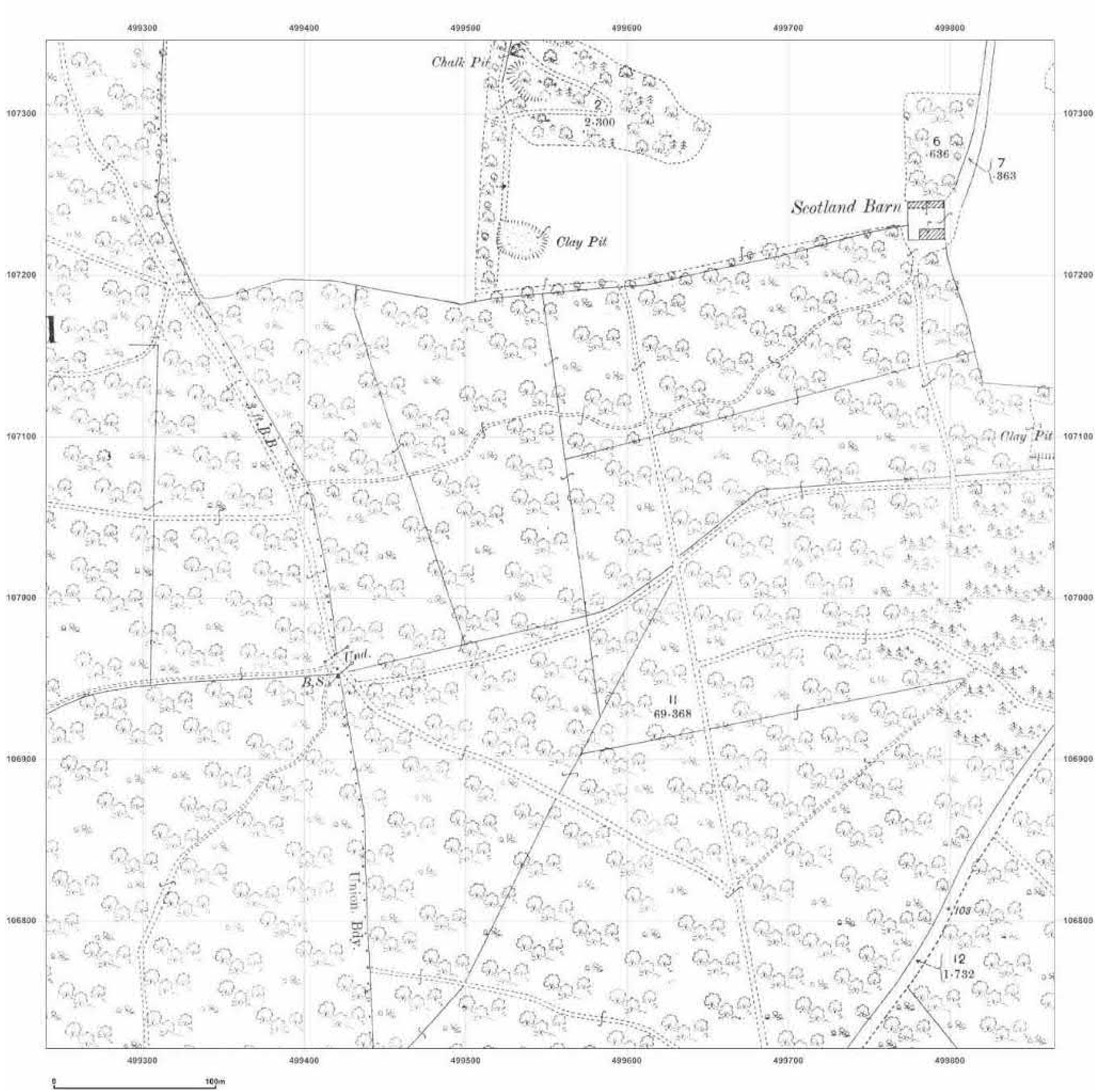

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_4
Grid Ref: 499552, 107033

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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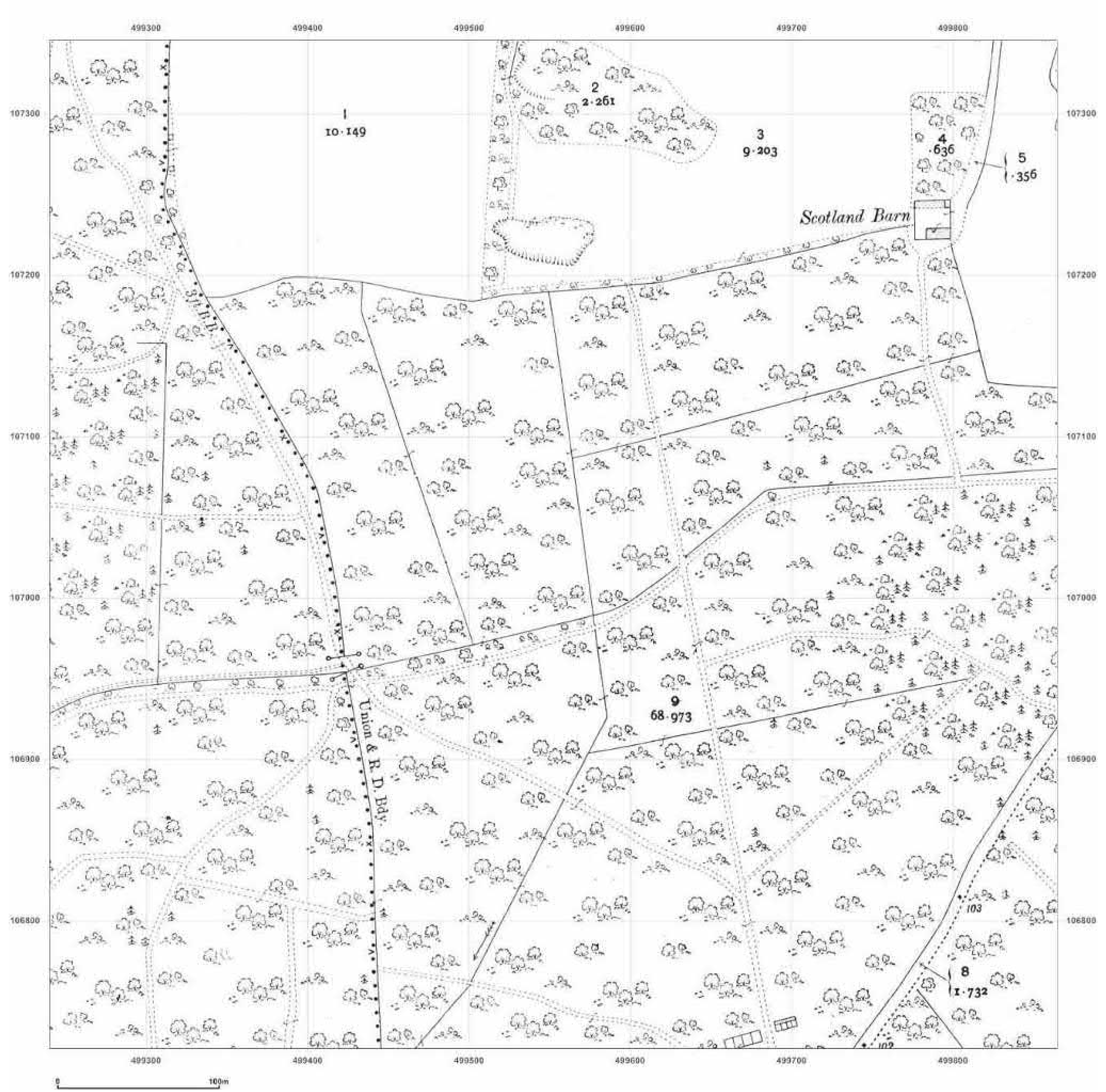

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_4
Grid Ref: 499552, 107033

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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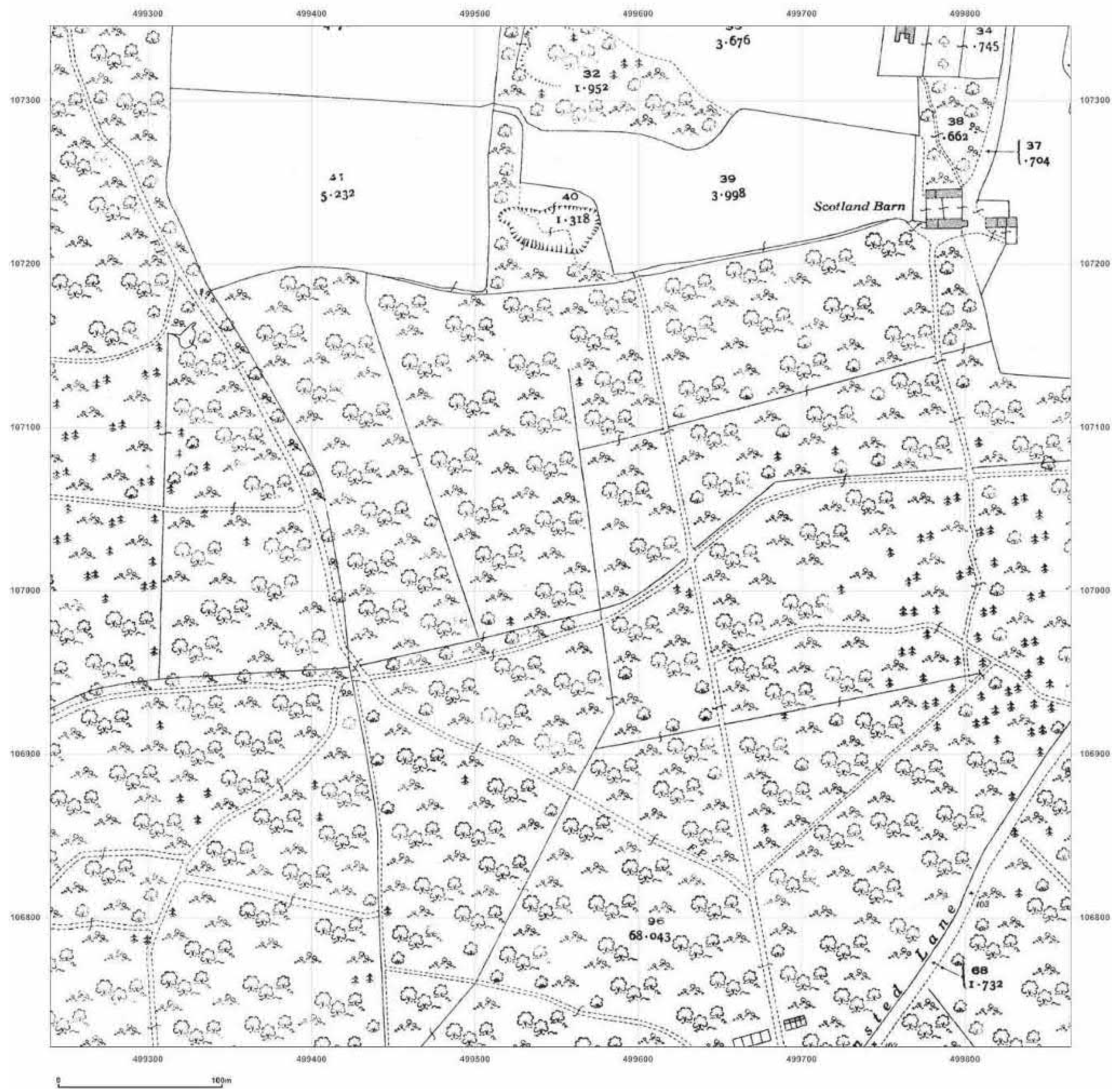

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_4
Grid Ref: 499552, 107033

Map Name: County Series

Map date: 1939

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_4
Grid Ref: 499552, 107033

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

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Production date: 29 April 2015

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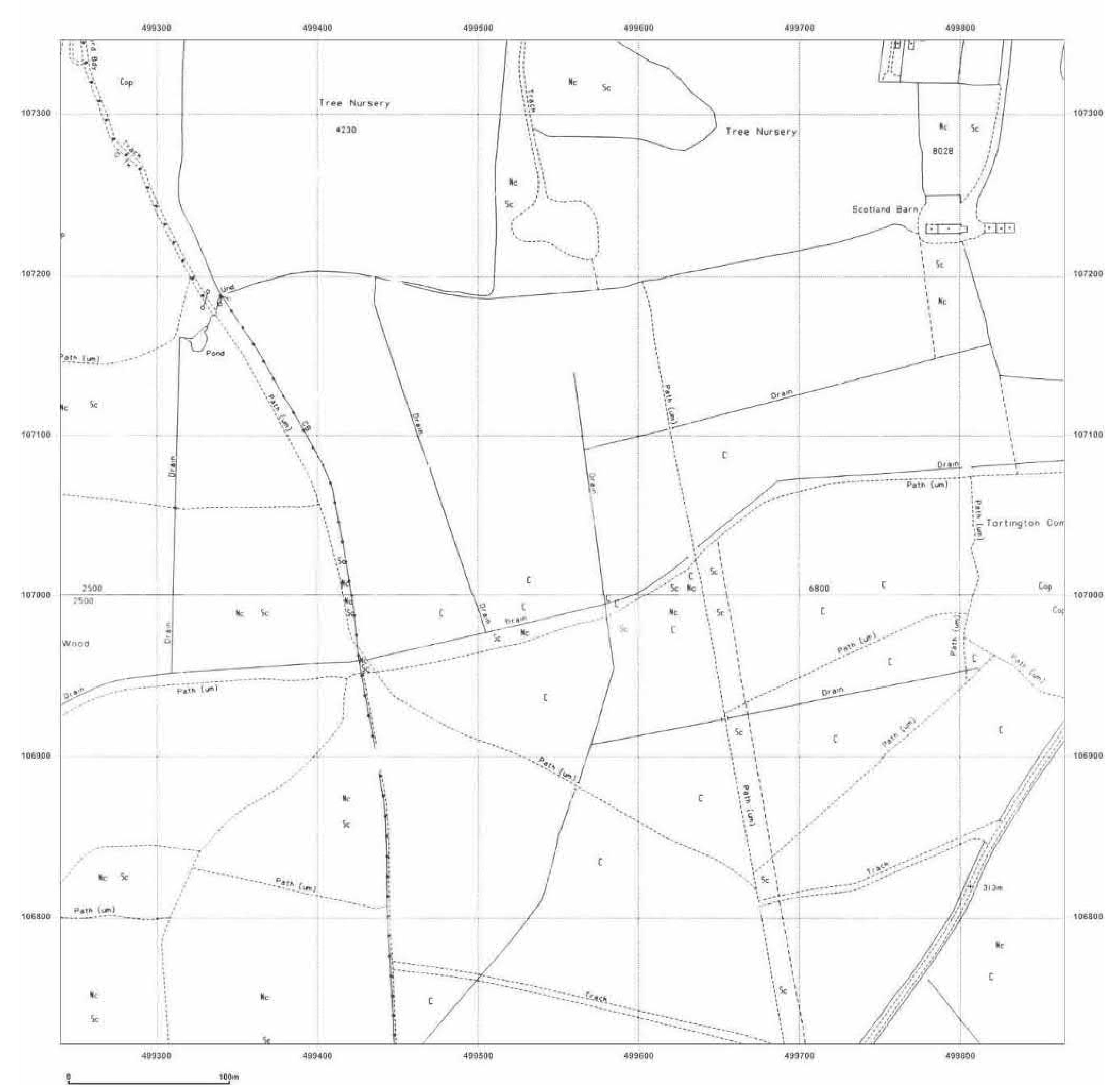

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_4
Grid Ref: 499552, 107033

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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Production date: 29 April 2015

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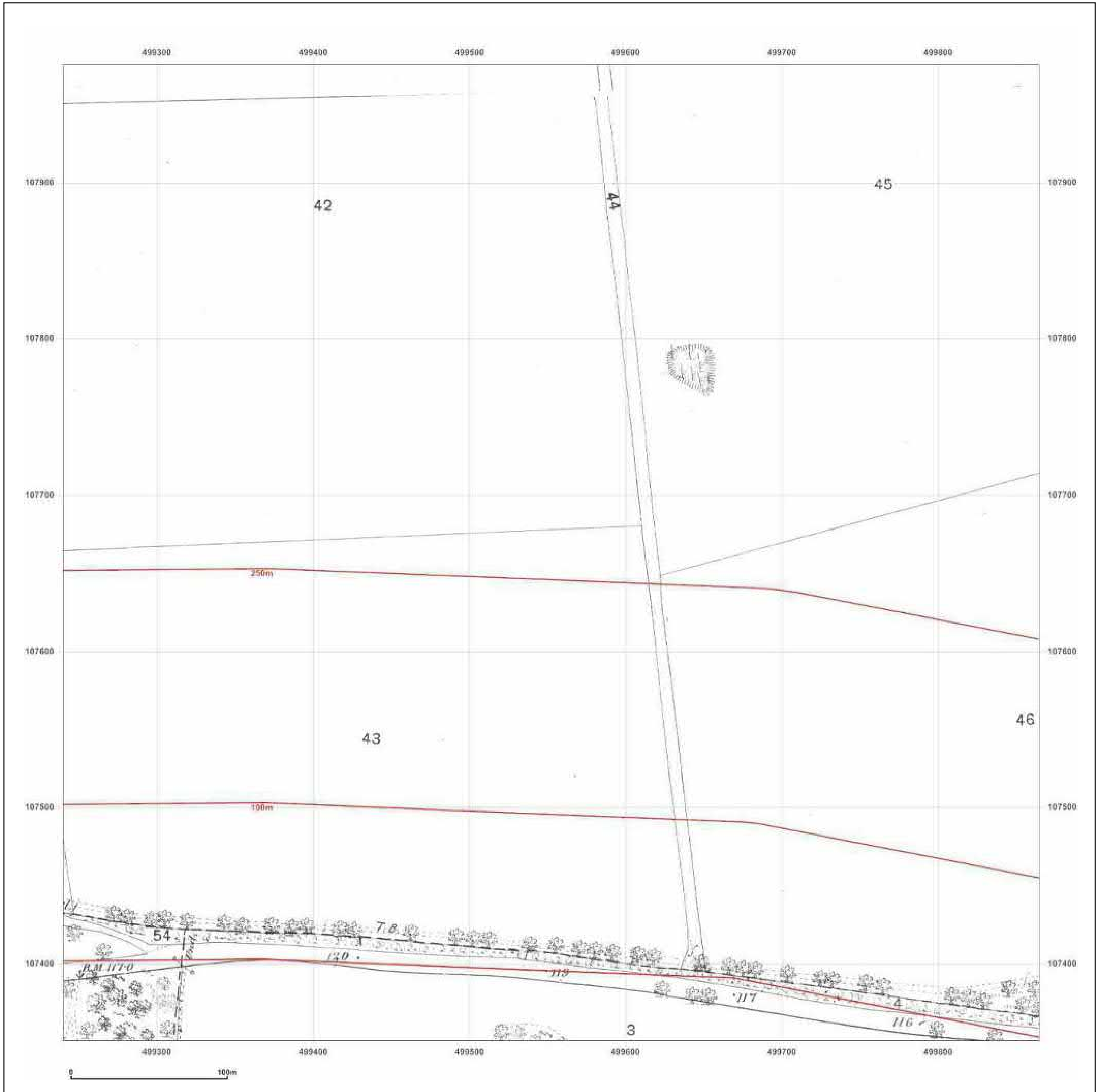

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_5
Grid Ref: 499552, 107663

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

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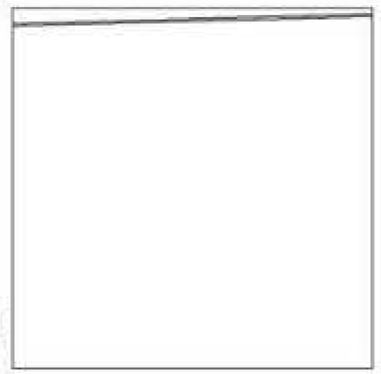
Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A



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

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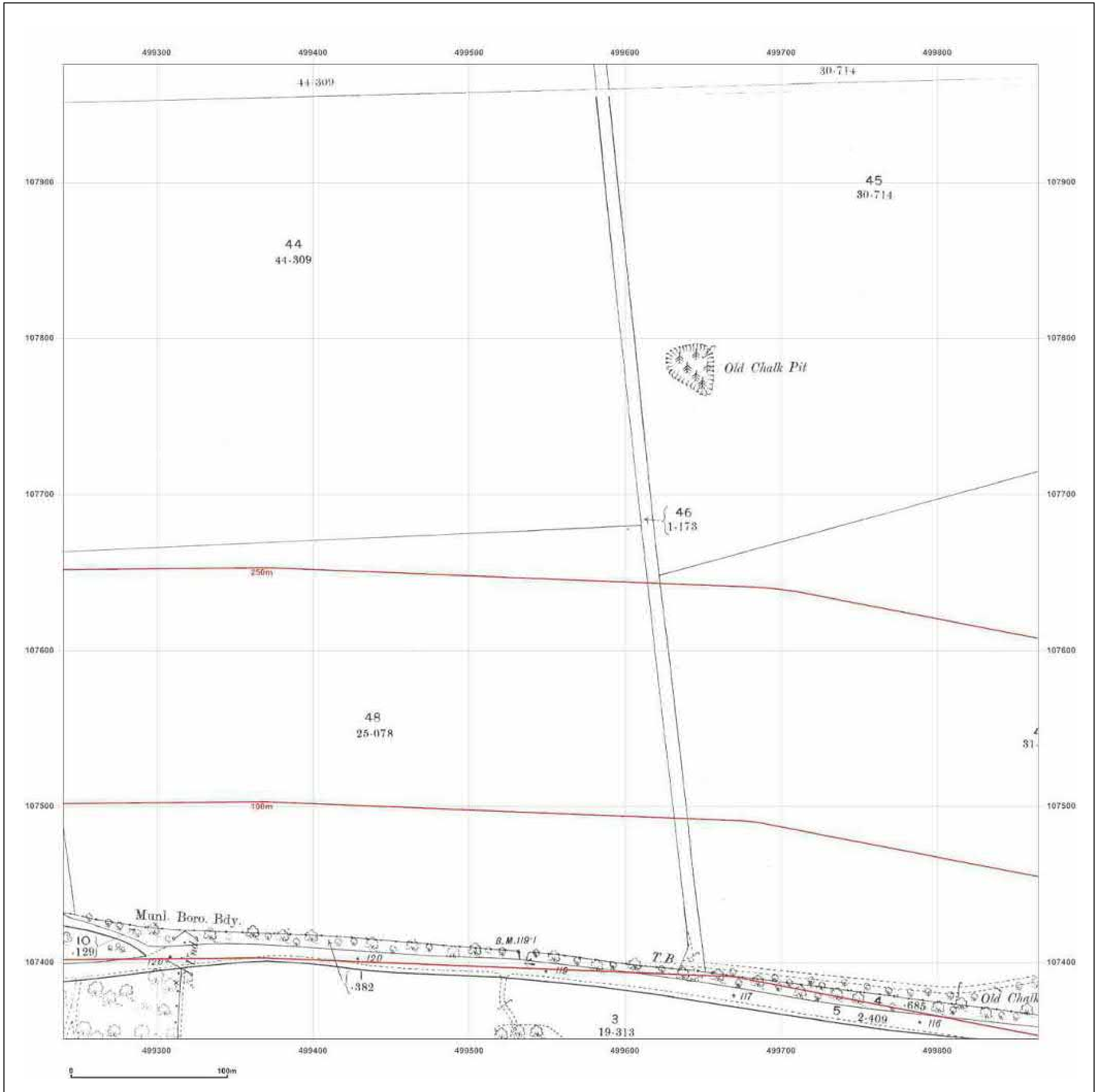
E: info@groundsure.com
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_5
Grid Ref: 499552, 107663

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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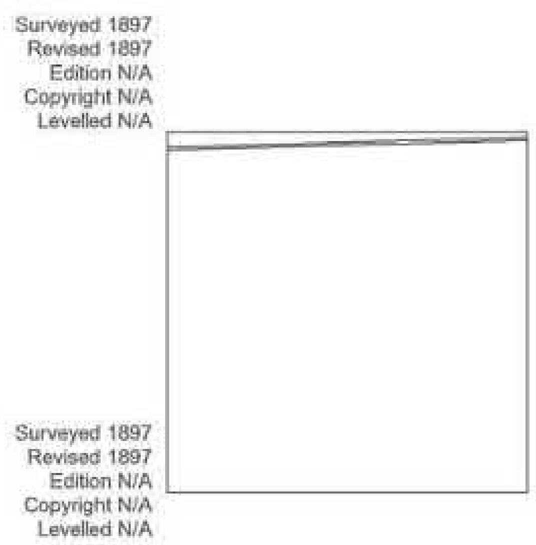

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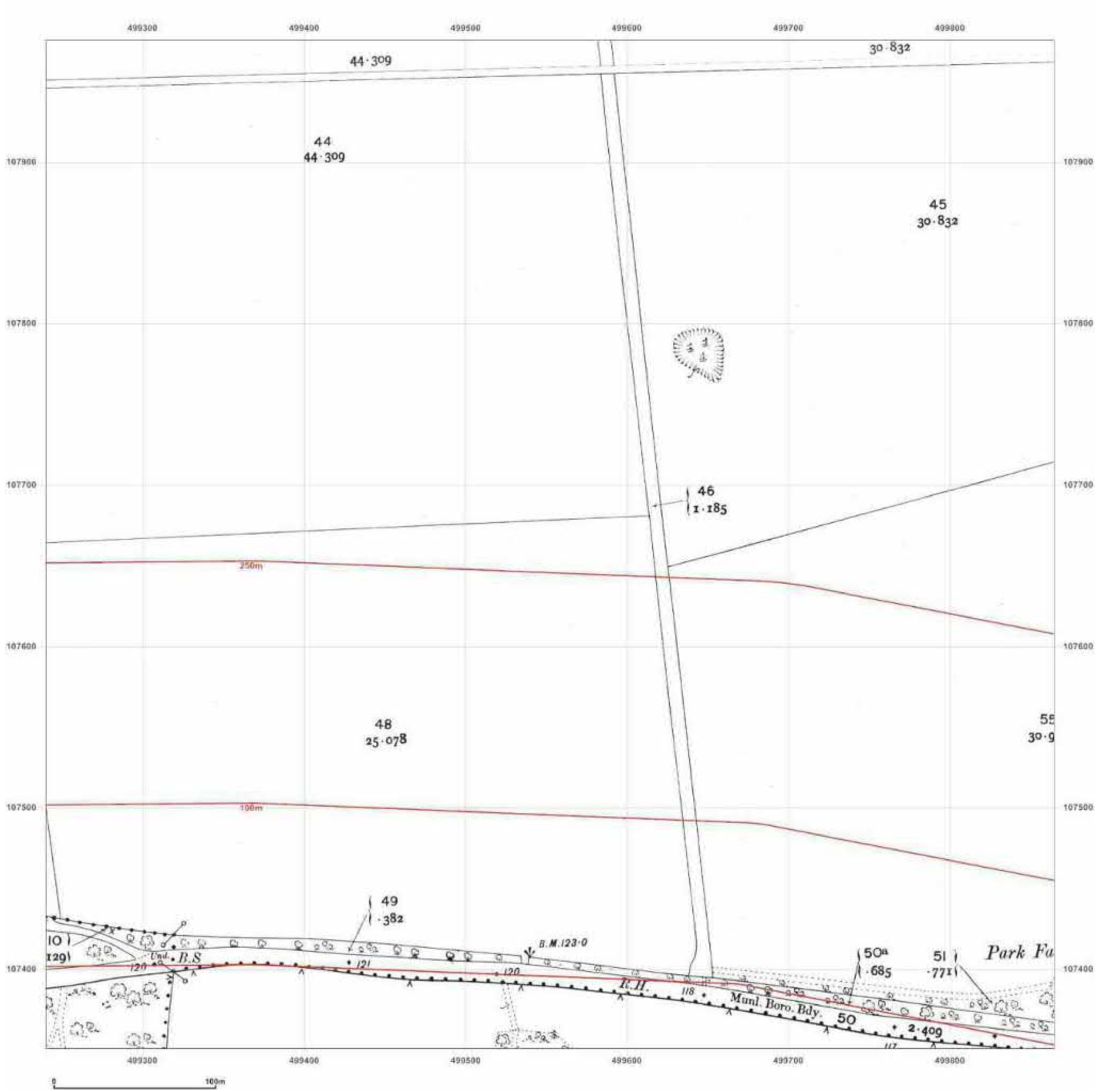
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_5
Grid Ref: 499552, 107663

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

N
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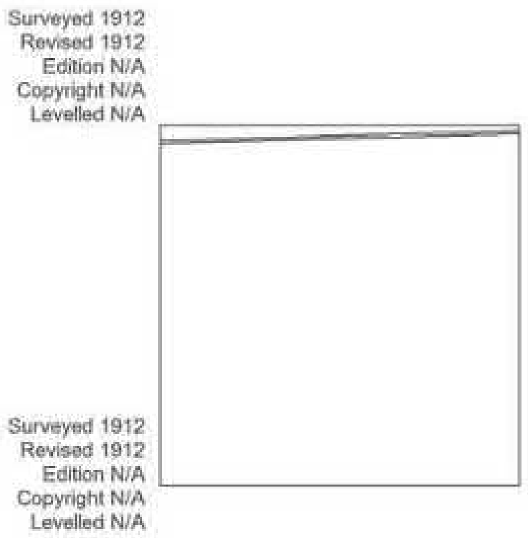

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Produced by
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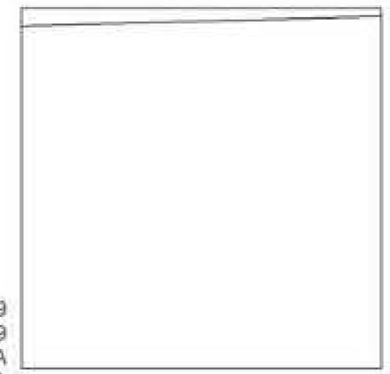
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_5
Grid Ref: 499552, 107663

Map Name: County Series

Map date: **1939**

Scale: 1:2,500

Printed at: 1:2,500

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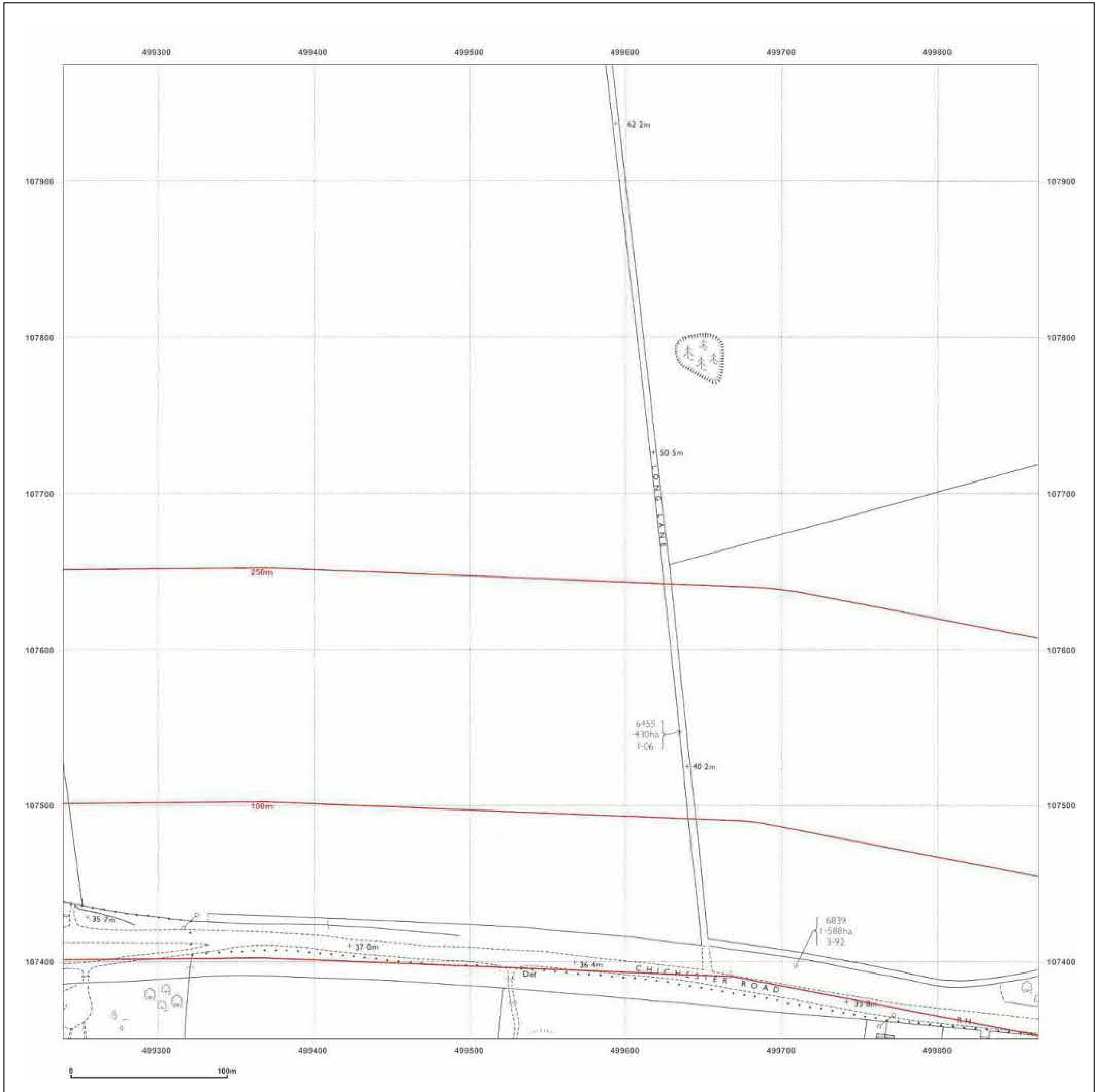
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_5
Grid Ref: 499552, 107663

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

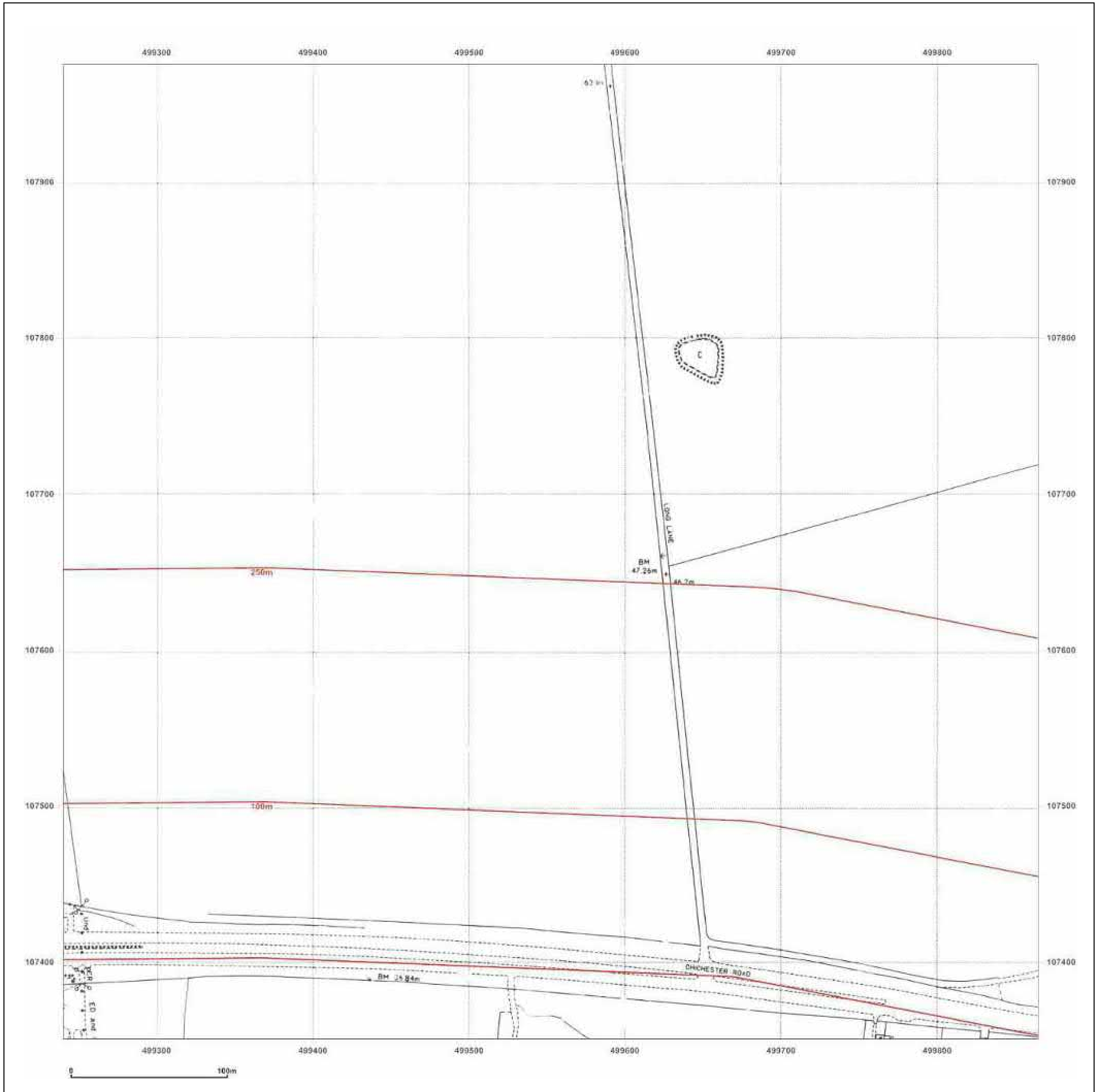
Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Ordnance Survey Licensed Partner

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

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_4_5
Grid Ref: 499552, 107663

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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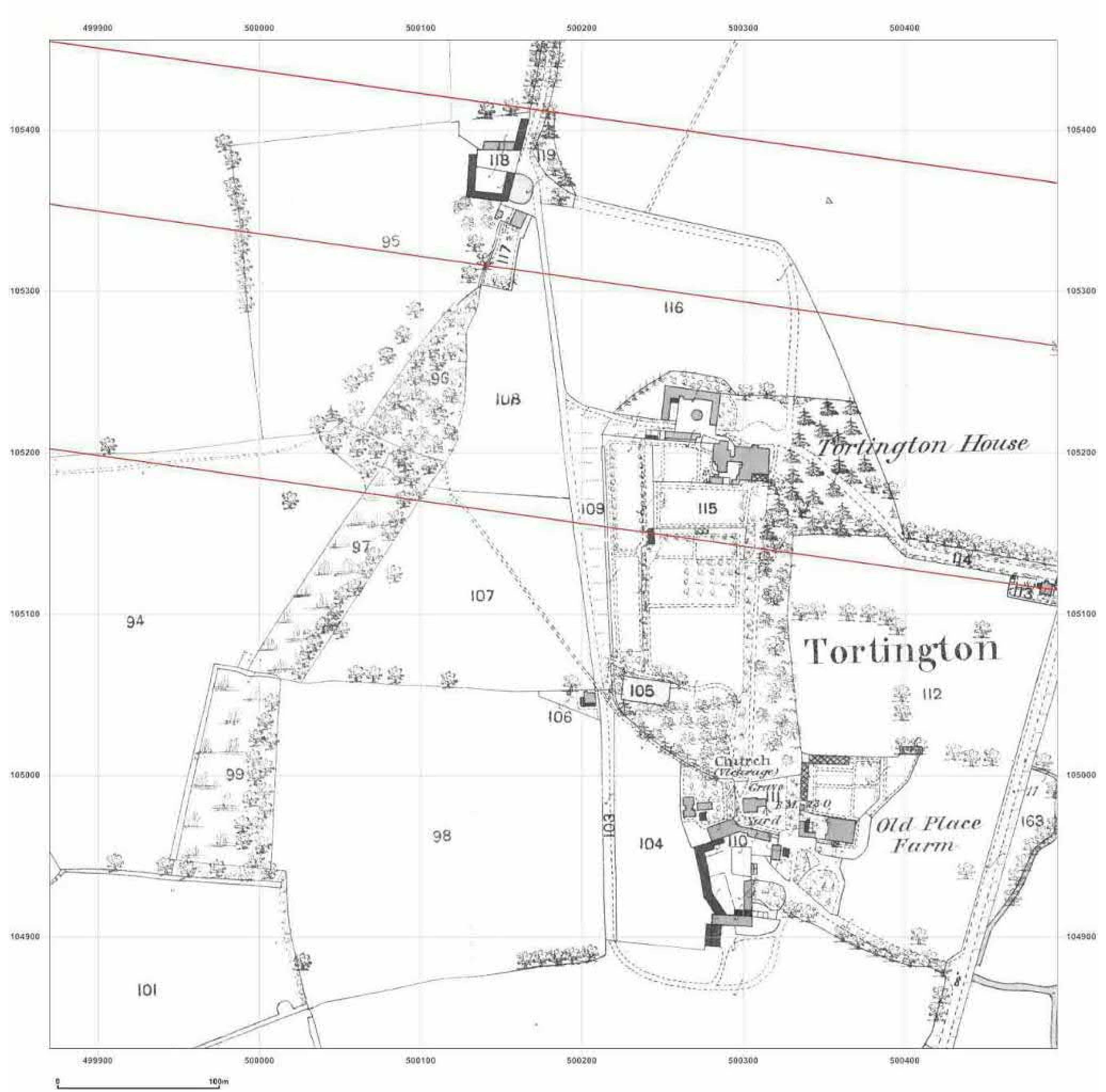

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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

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Production date: 29 April 2015

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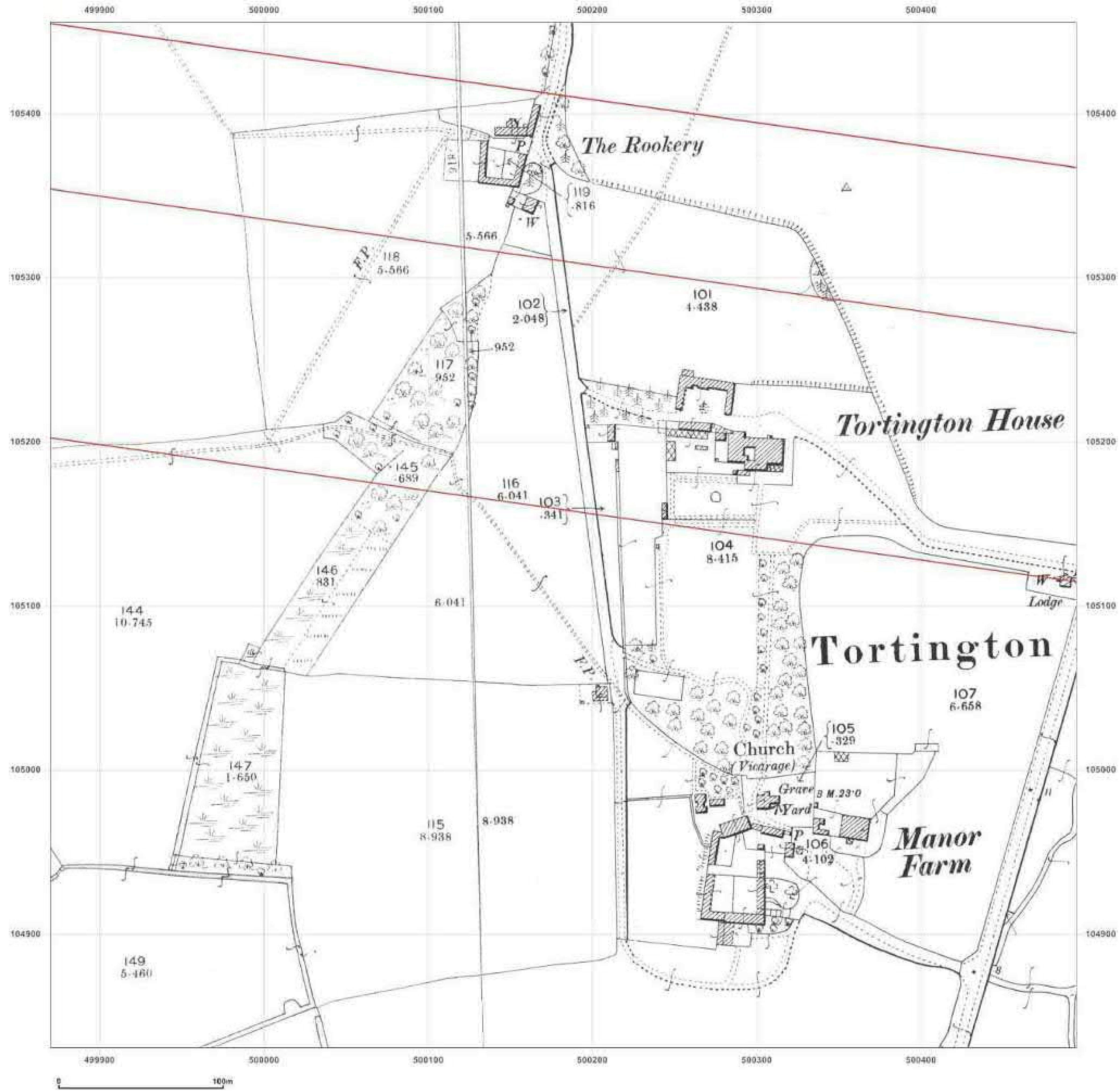

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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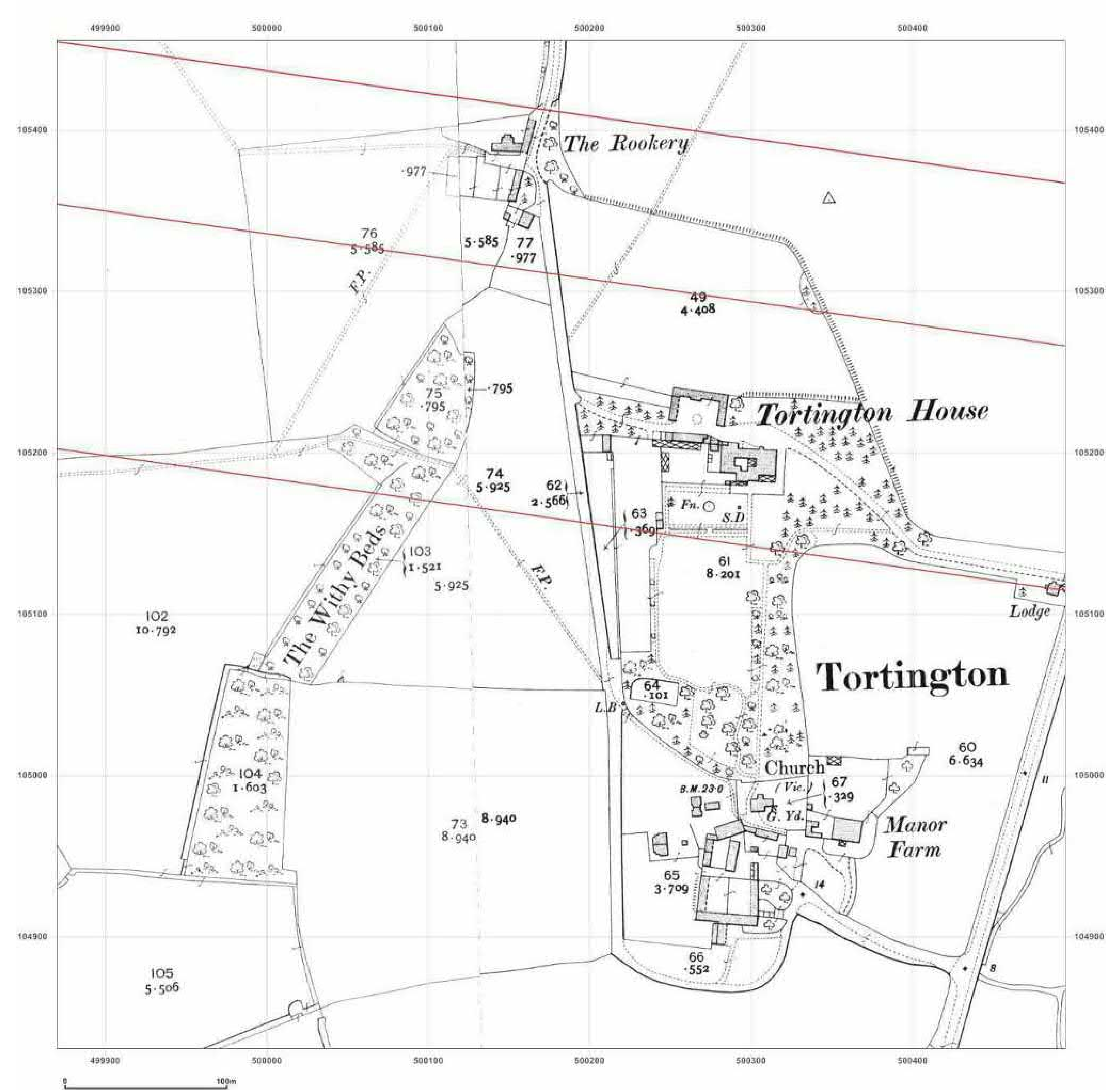
Production date: 29 April 2015

To view map legend click here Legend



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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

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

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Production date: 29 April 2015

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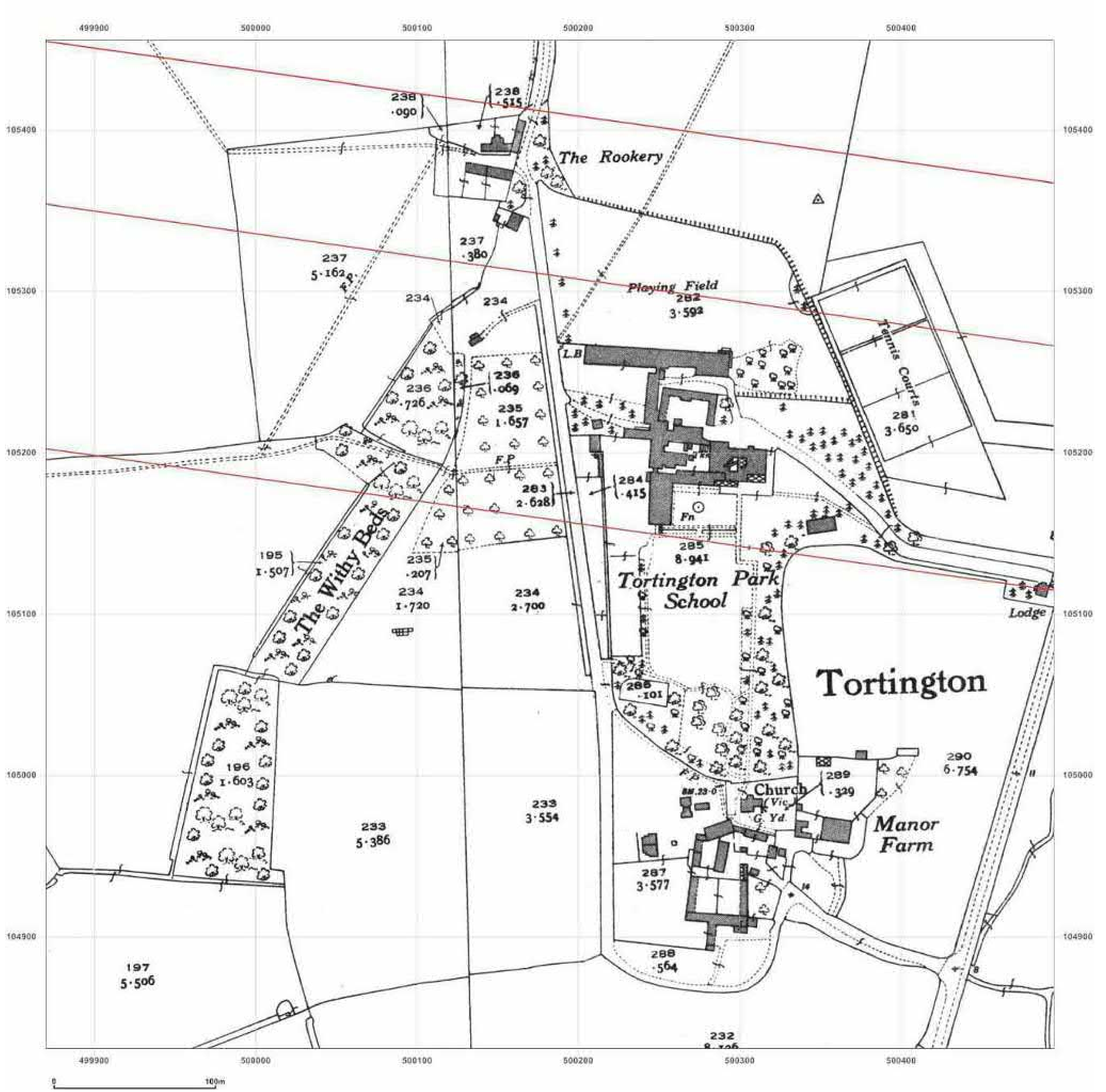

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: County Series

Map date: **1939-1940**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1939
Revised 1939
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1940
Revised 1940
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: National Grid

Map date: **1971-1974**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1966

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

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1966

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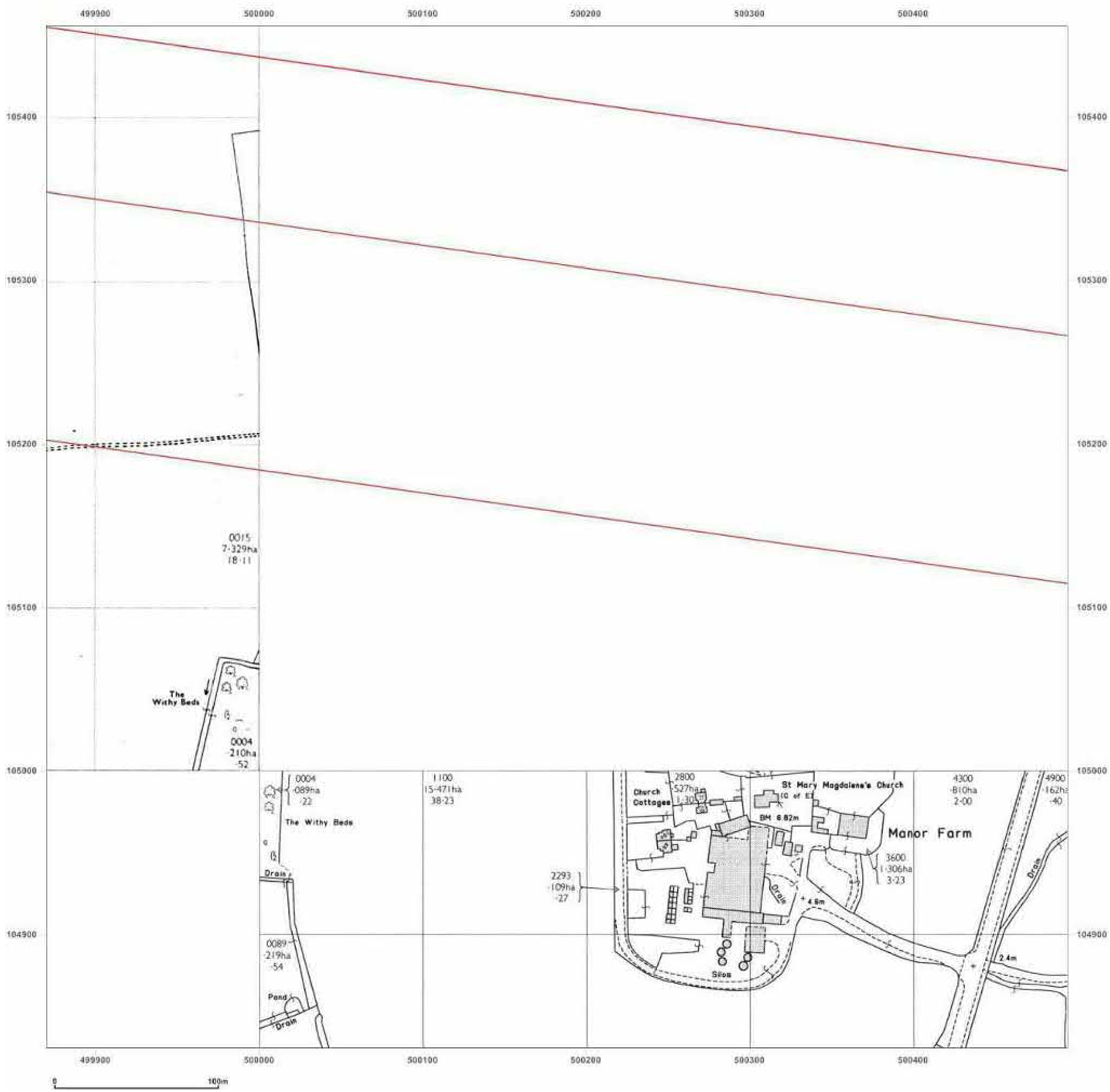

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: National Grid

Map date: **1978-1982**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1975
Revised 1982
Edition N/A
Copyright 1982
Levelled 1975

Surveyed 1978
Revised 1978
Edition N/A
Copyright 1980
Levelled 1976

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Production date: 29 April 2015

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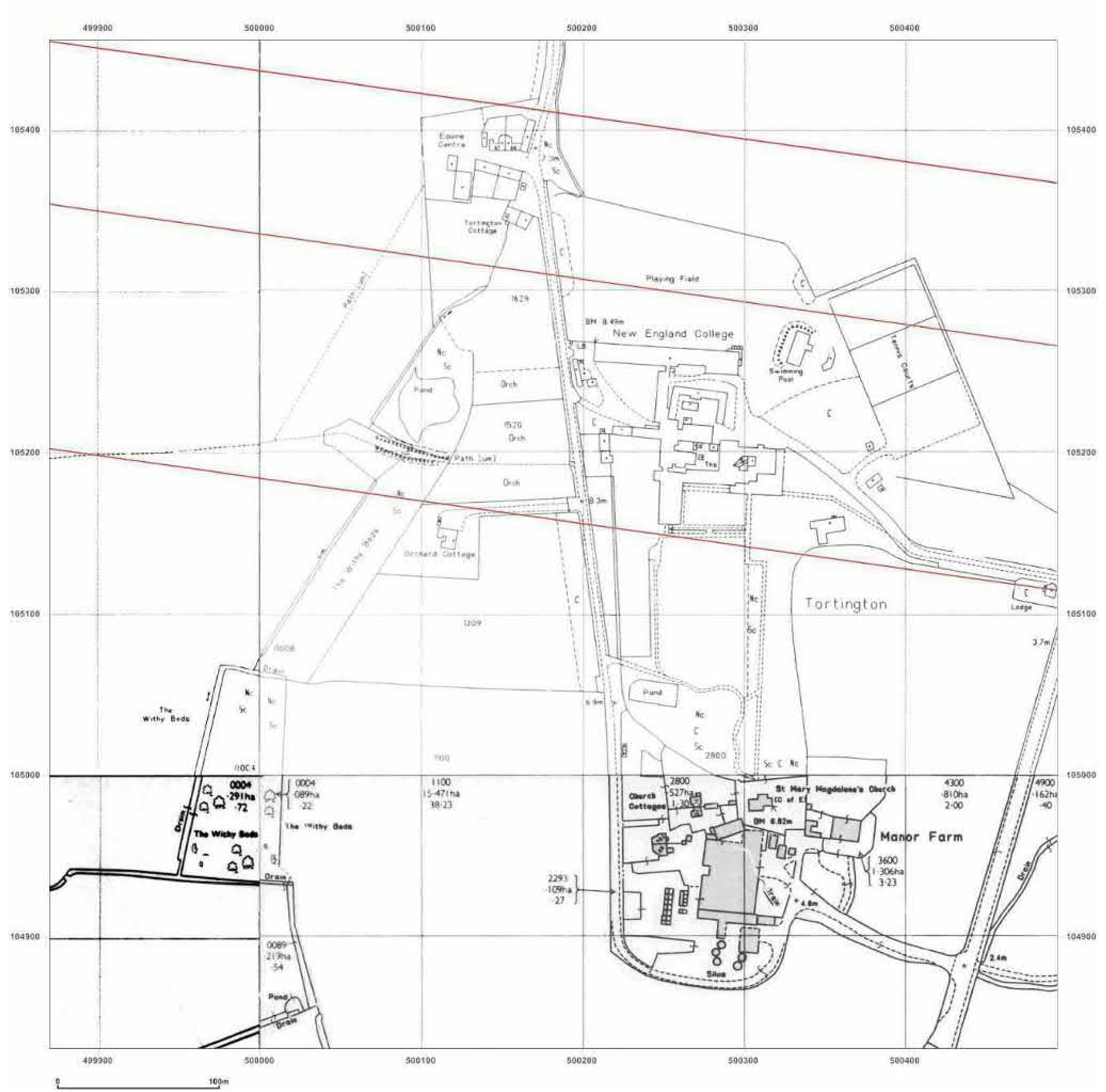

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_1
Grid Ref: 500182, 105143

Map Name: National Grid

Map date: **1989-1994**

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 1994
Levelled N/A

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

Surveyed 1975
Revised 1990
Edition N/A
Copyright 1990
Levelled 1975

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

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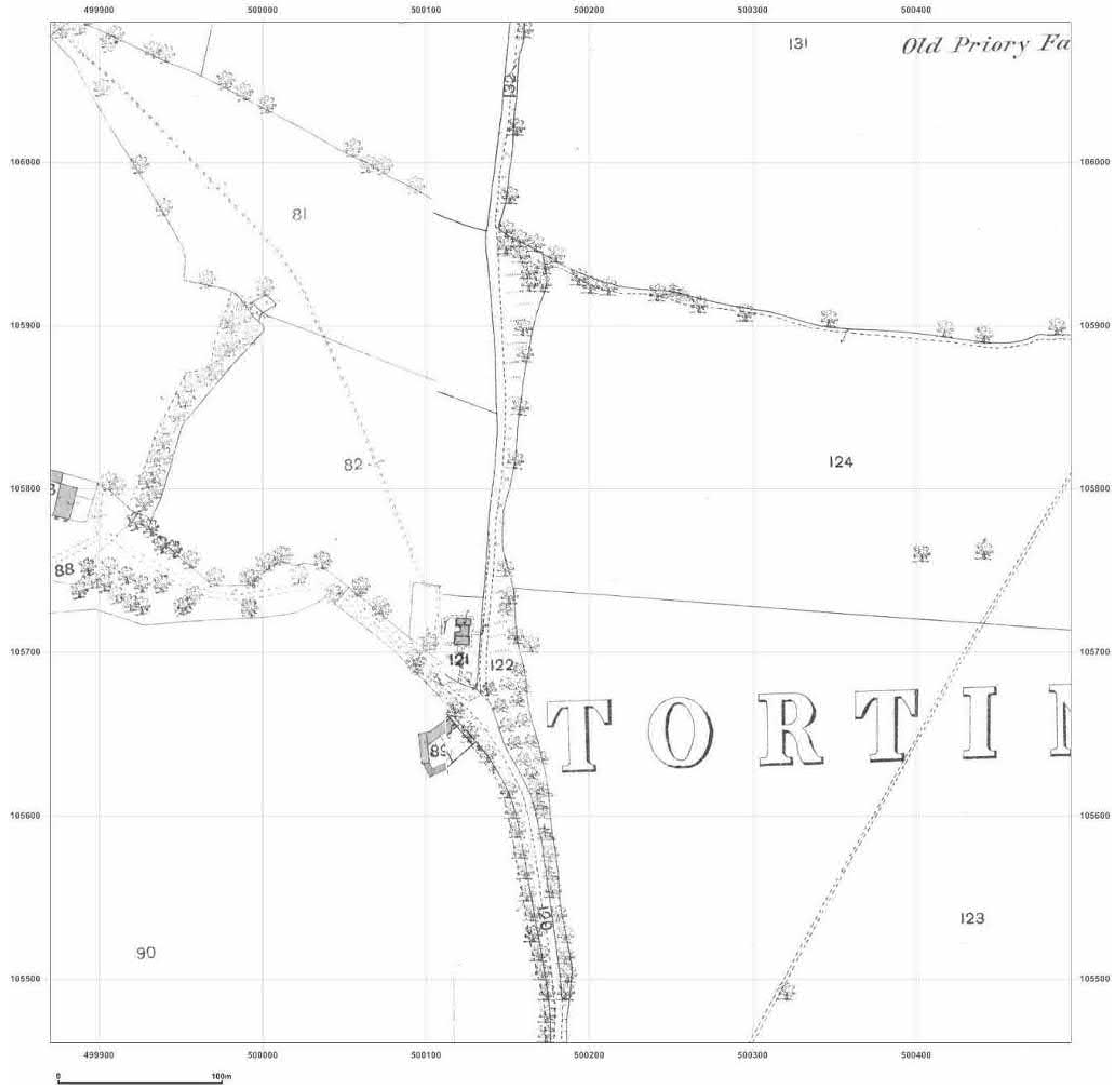

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_2
Grid Ref: 500182, 105773

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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

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Production date: 29 April 2015

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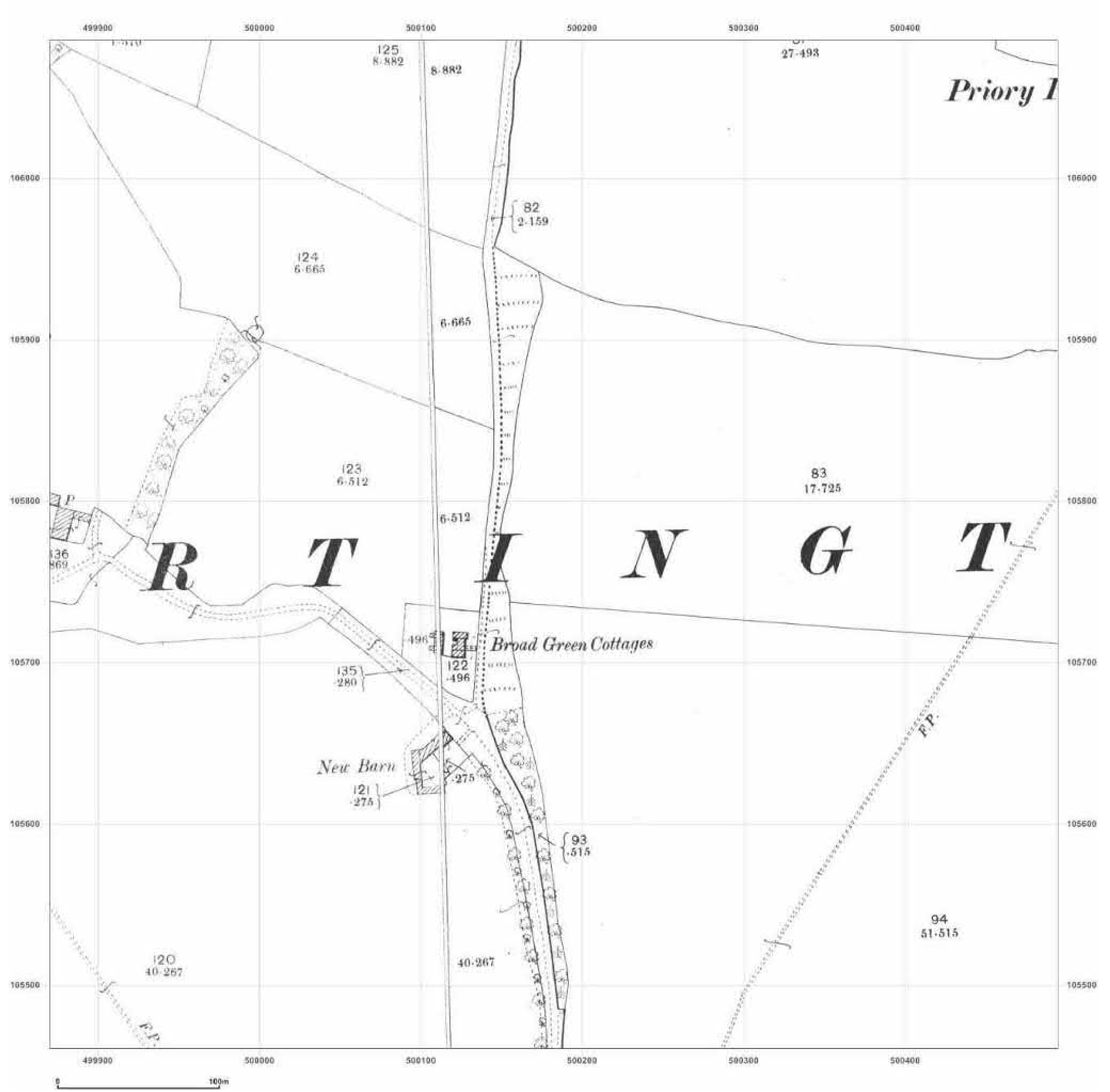


Site Details:

ARUNDEL

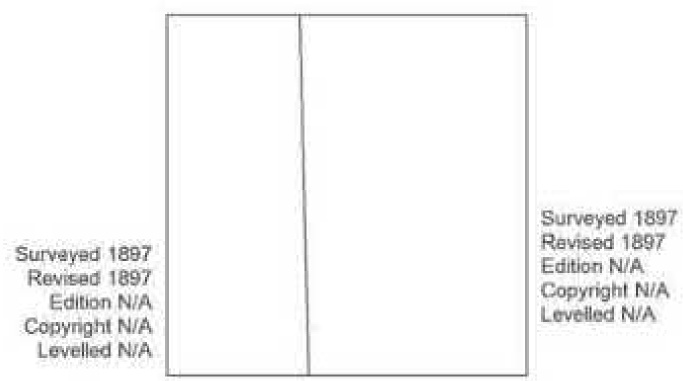
Client Ref: PO86494
Report Ref: GS-2047500_LS_5_2
Grid Ref: 500182, 105773

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500



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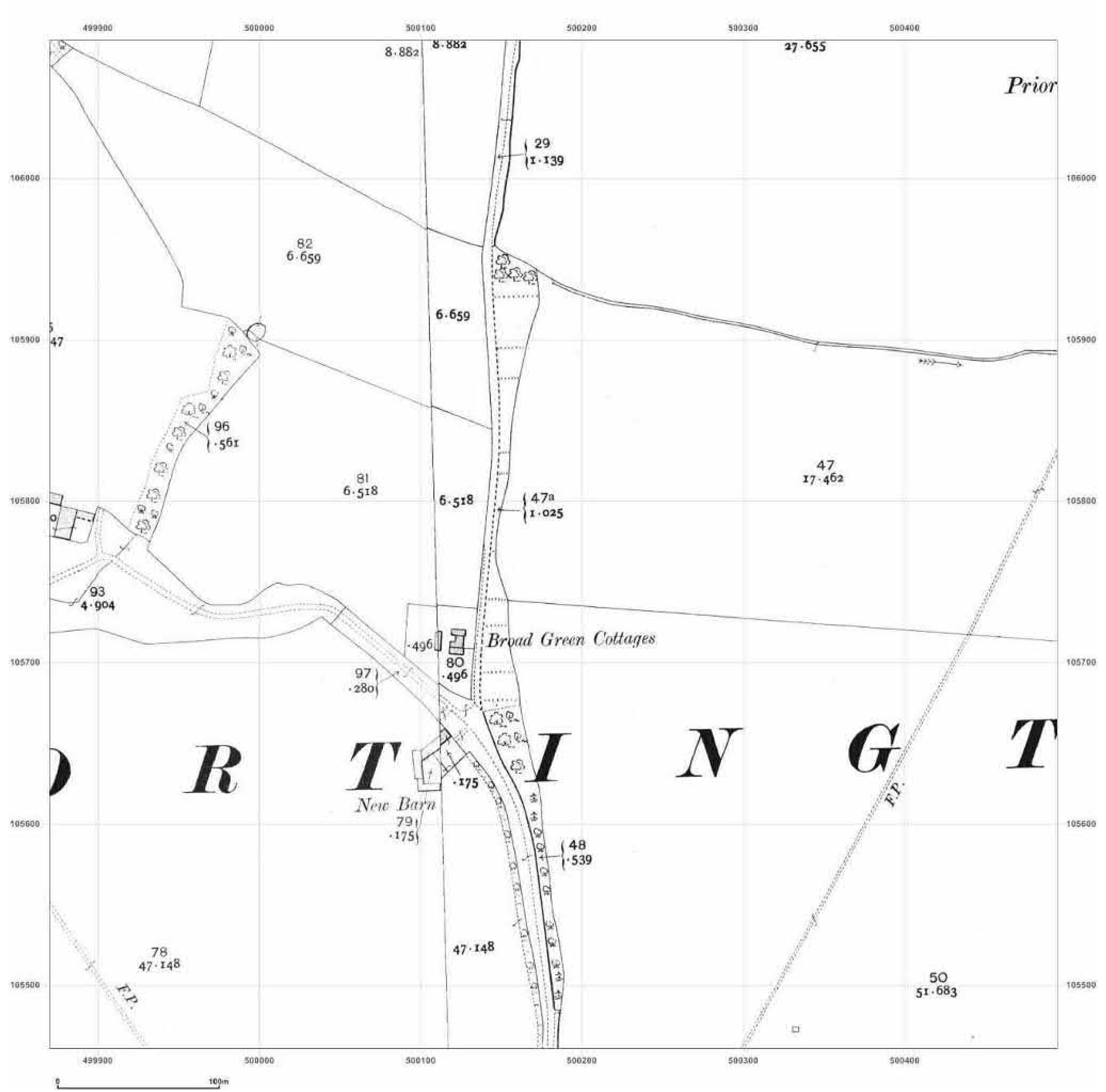

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_2
Grid Ref: 500182, 105773

Map Name: County Series

Map date: **1912**

Scale: 1:2,500

Printed at: 1:2,500

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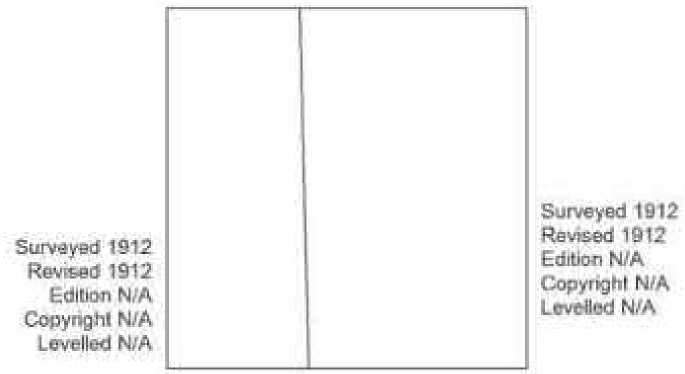

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Production date: 29 April 2015

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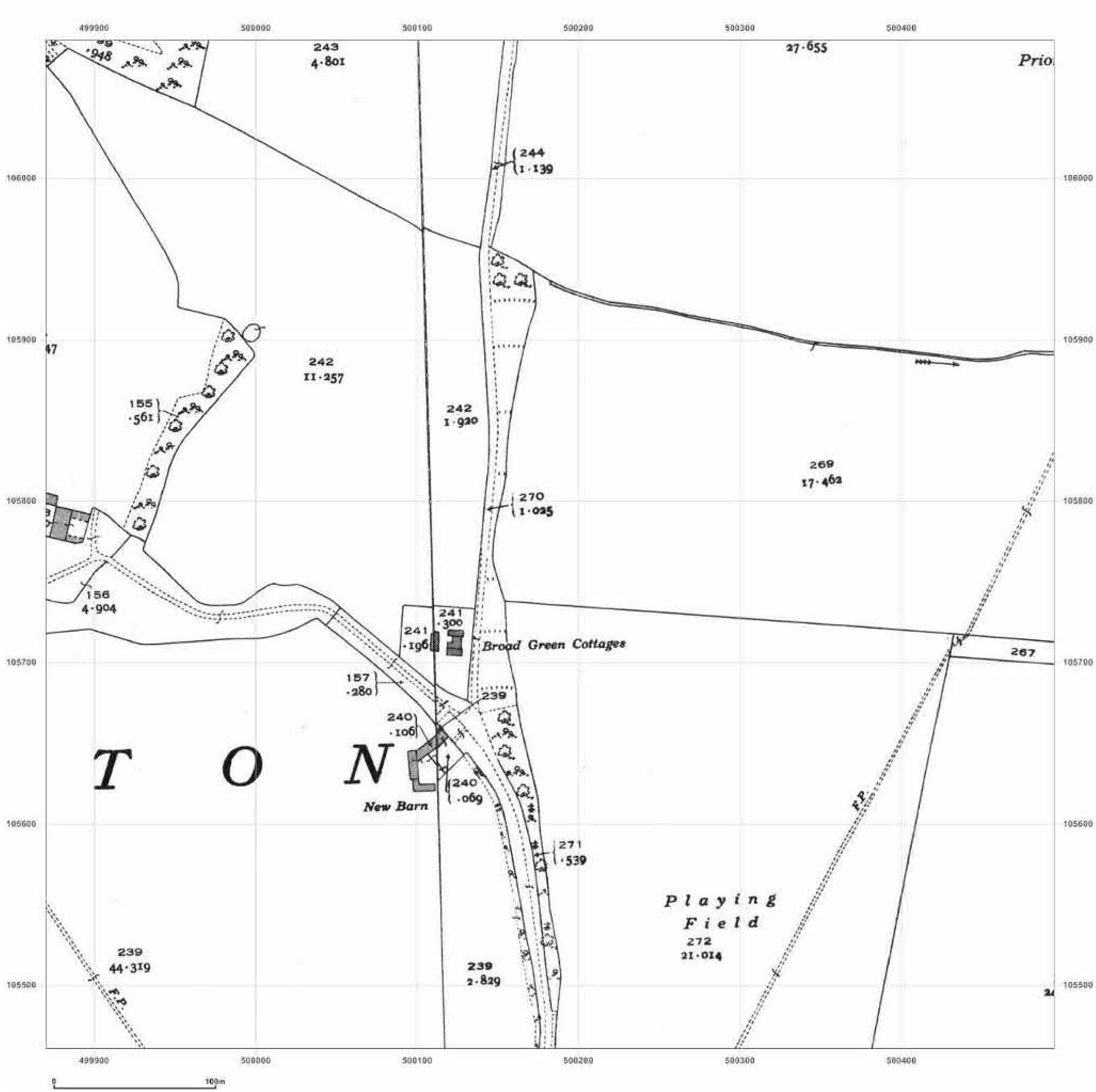

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_2
Grid Ref: 500182, 105773

Map Name: County Series

Map date: 1939-1940

Scale: 1:2,500

Printed at: 1:2,500

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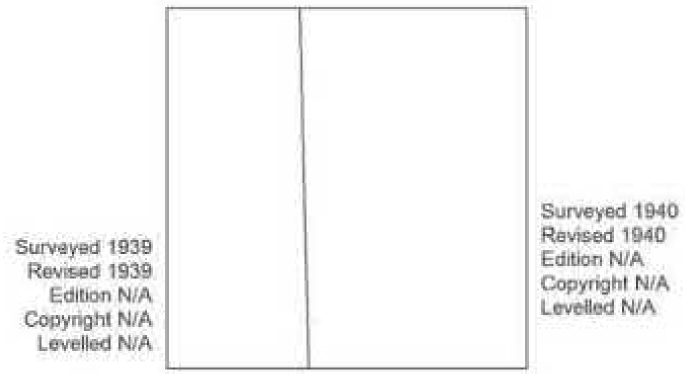

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Production date: 29 April 2015

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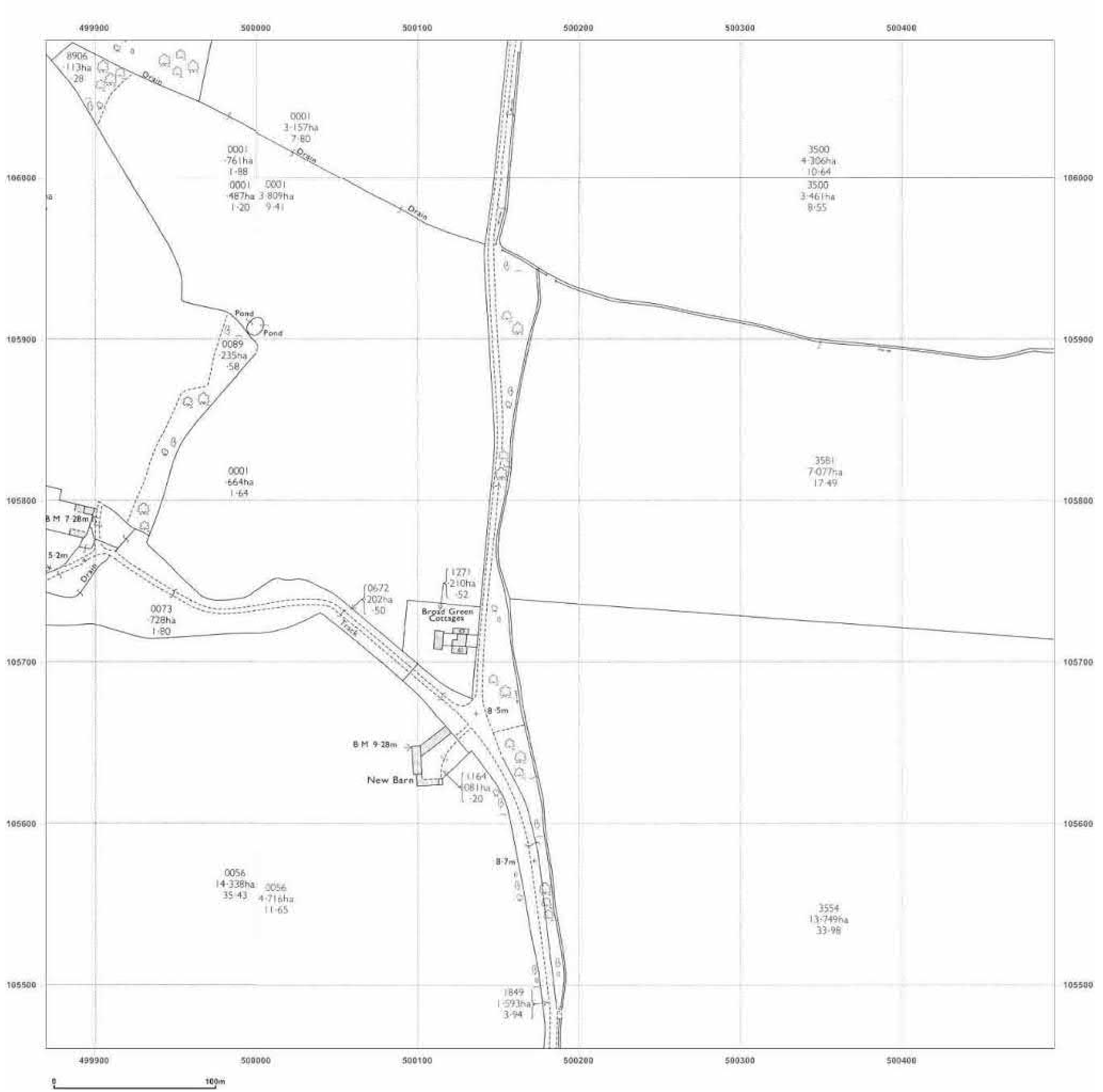

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_2
Grid Ref: 500182, 105773

Map Name: National Grid

Map date: **1970-1973**

Scale: 1:2,500

Printed at: 1:2,500

N
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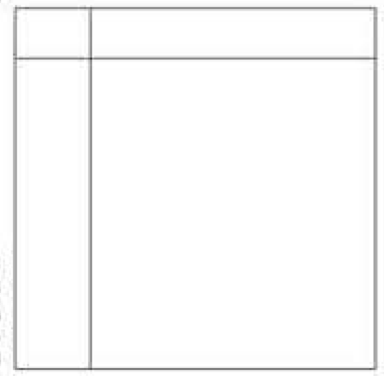
Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1970
Revised 1970
Edition N/A
Copyright 1971
Levelled 1966



Surveyed 1973
Revised 1973
Edition N/A
Copyright 1974
Levelled 1950

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1966

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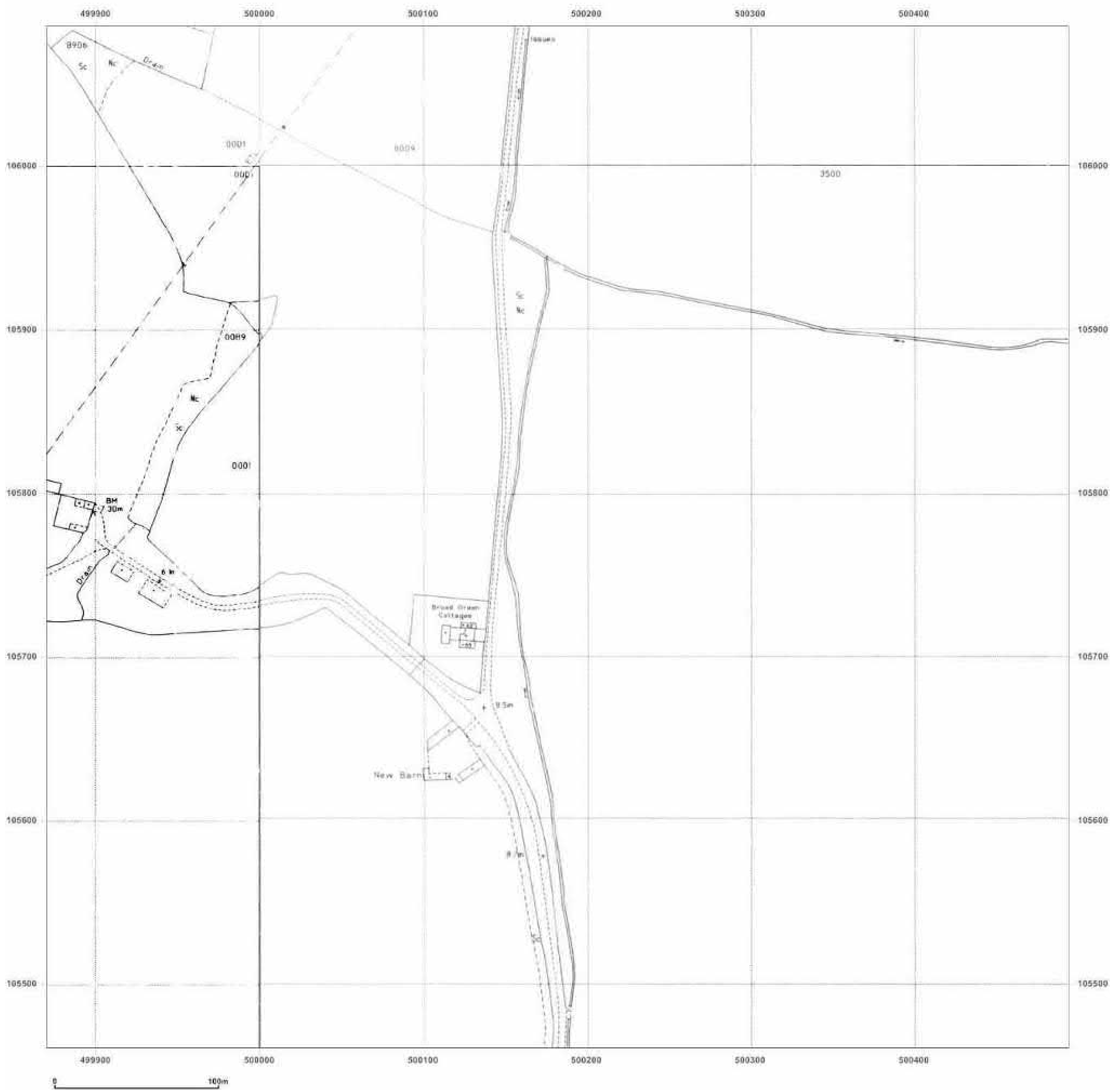

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_5_2
Grid Ref: 500182, 105773

Map Name: National Grid

Map date: **1994**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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

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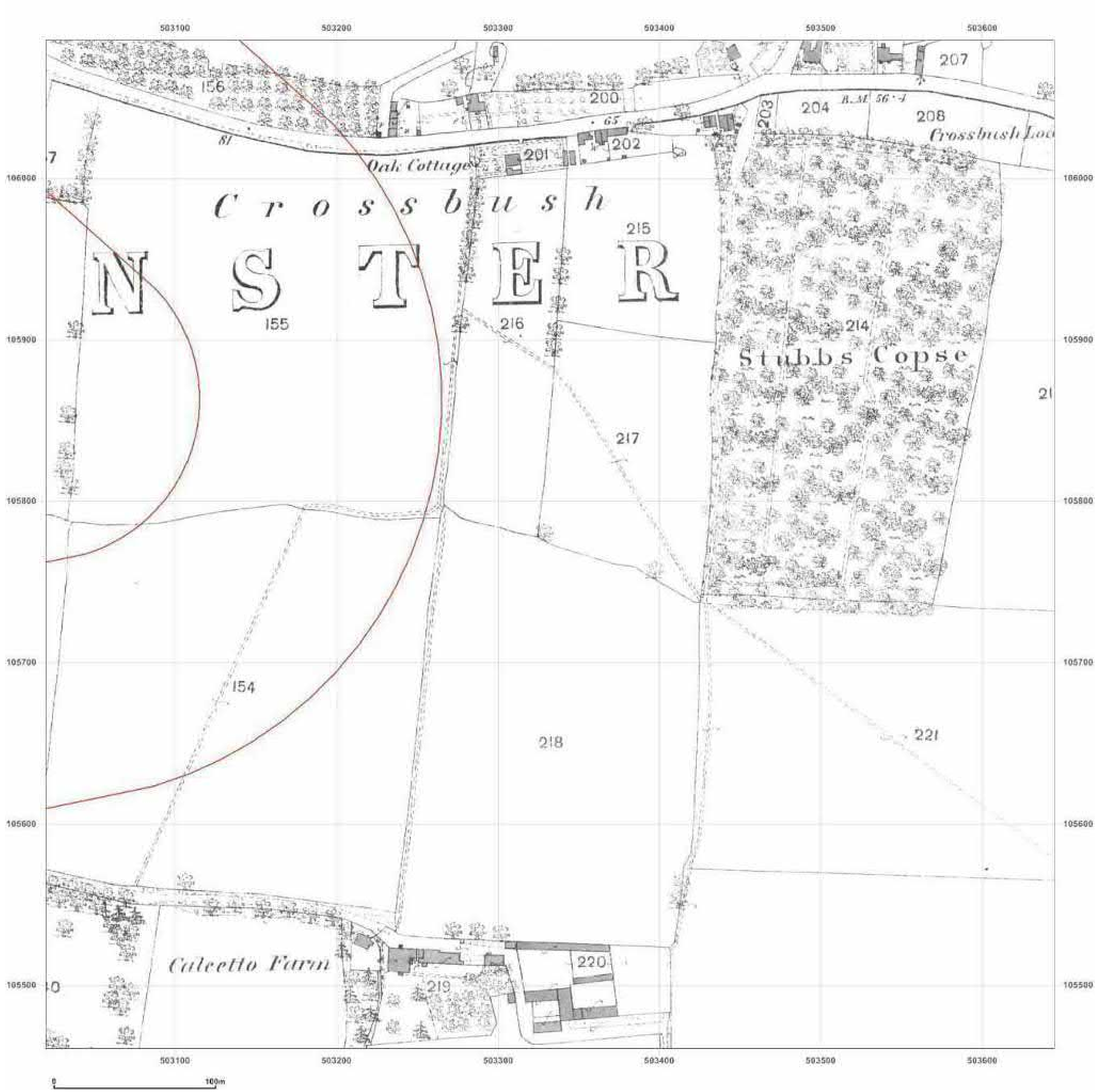

![Groundsure Insights logo]

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_2
Grid Ref: 503332, 105773

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

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

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Production date: 29 April 2015

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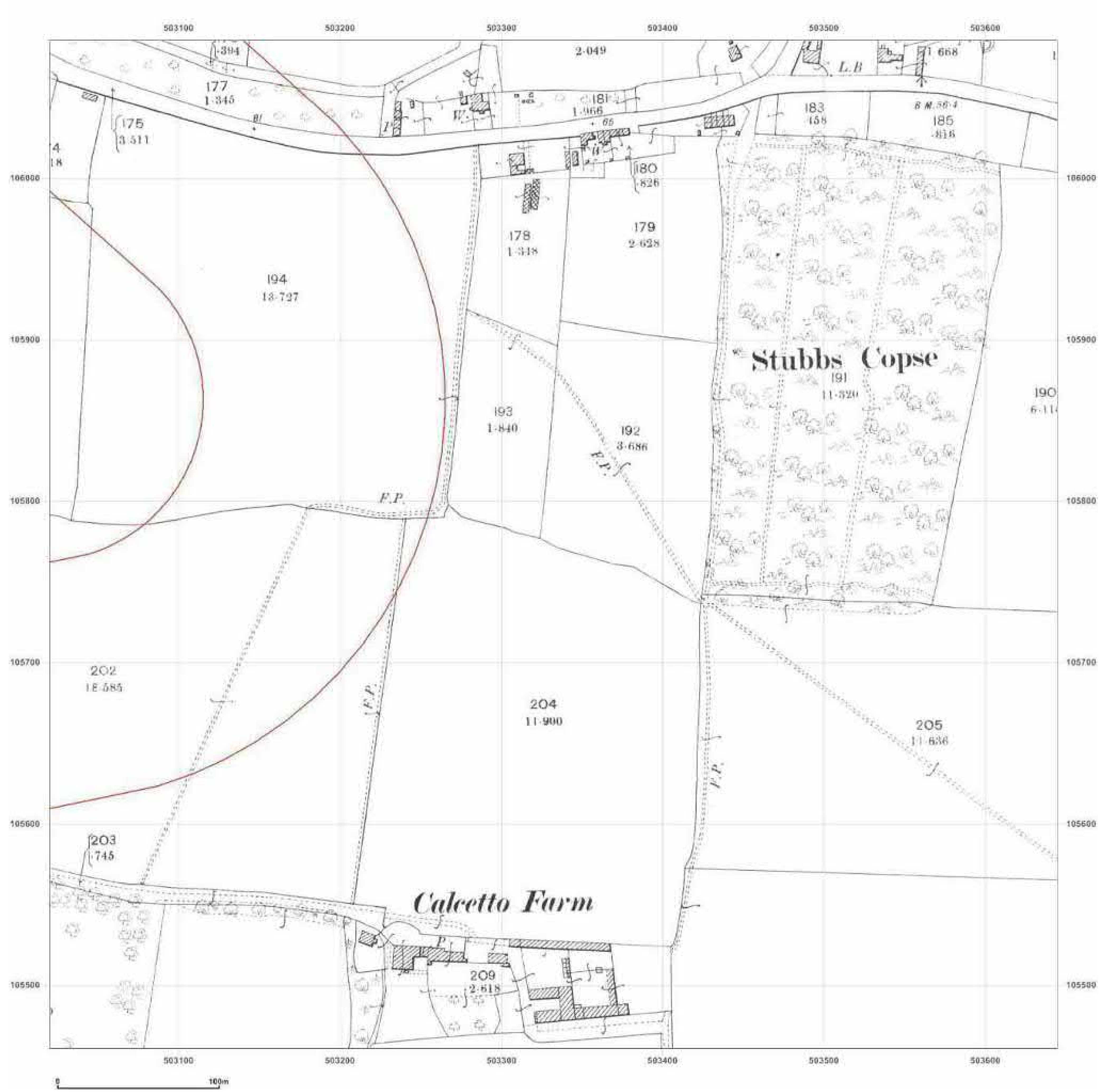

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_2
Grid Ref: 503332, 105773

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1897
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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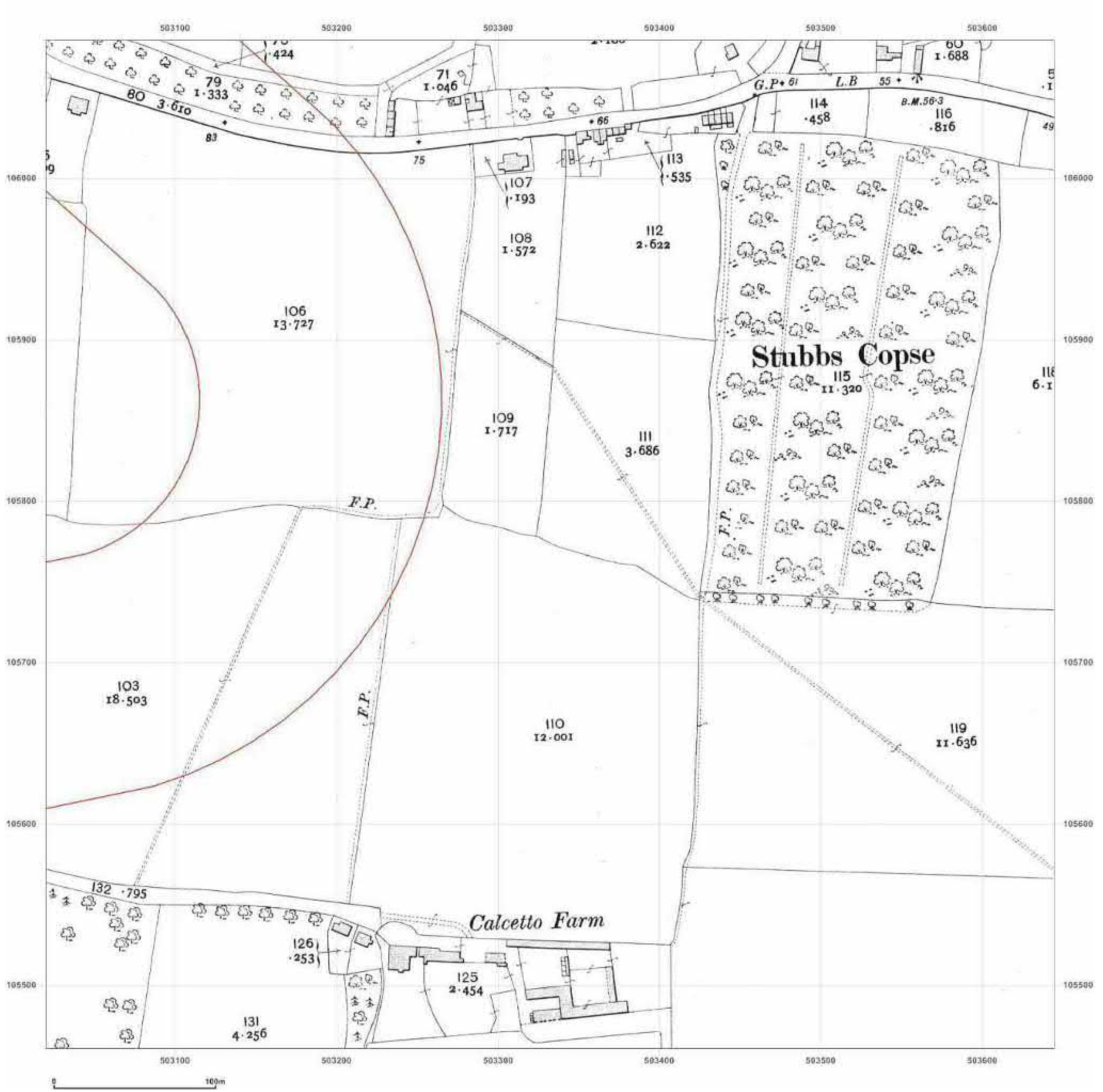

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_2
Grid Ref: 503332, 105773

Map Name: County Series

Map date: 1912

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 April 2015

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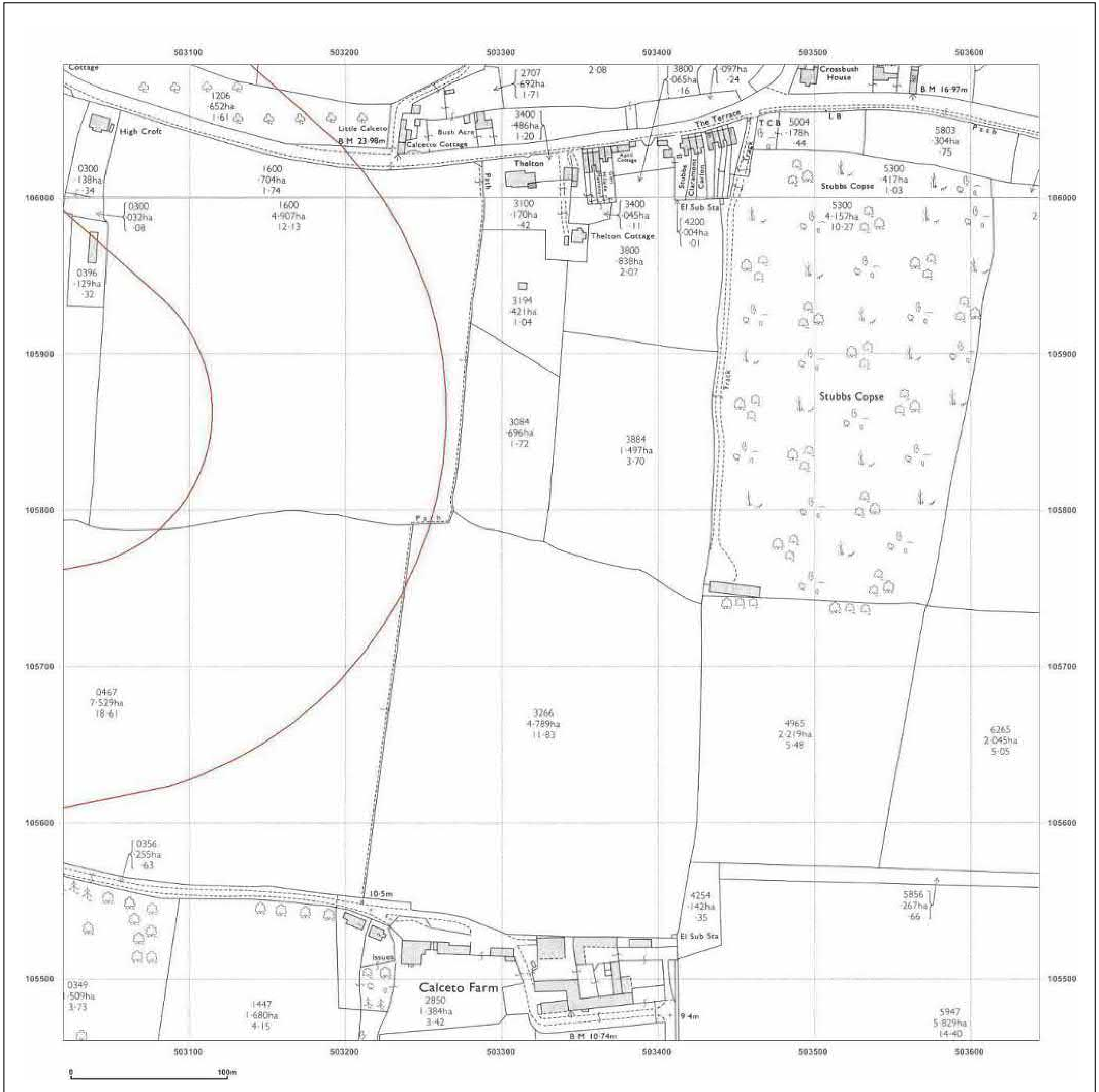

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_2
Grid Ref: 503332, 105773

Map Name: National Grid

Map date: **1971-1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1973
Levelled 1966

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1966

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Production date: 29 April 2015

To view map legend click here *Legend*

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_2
Grid Ref: 503332, 105773

Map Name: National Grid

Map date: 1994

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: 29 April 2015

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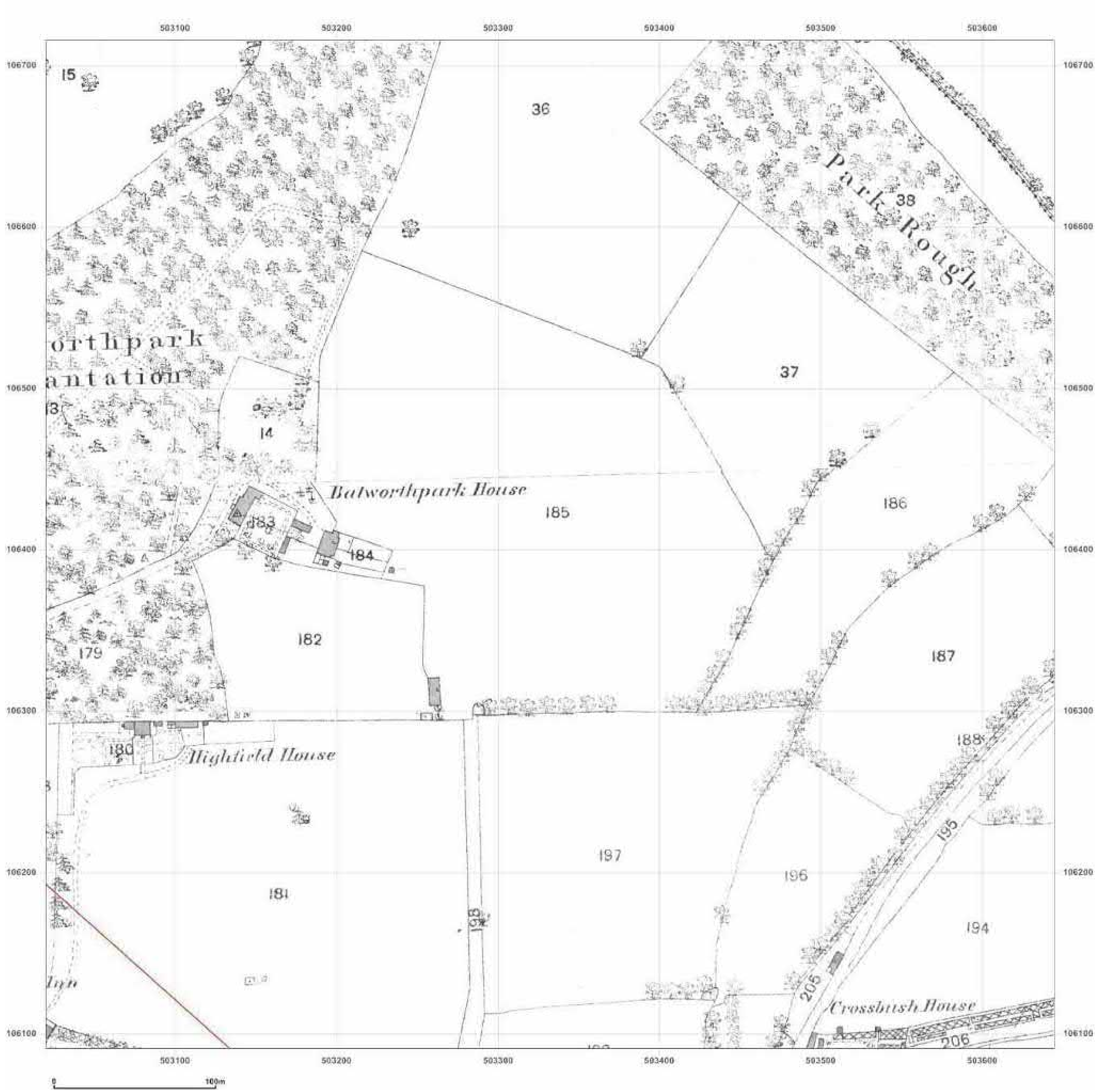


Groundsure INSIGHTS

Site Details:

ARUNDEL

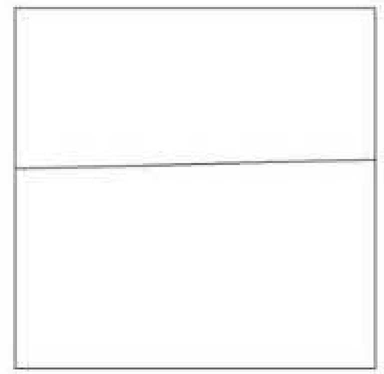
Client Ref: PO86494
Report Ref: GS-2047500_LS_10_3
Grid Ref: 503332, 106403

Map Name: County Series

Map date: **1876**

Scale: 1:2,500

Printed at: 1:2,500



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Production date: 29 April 2015

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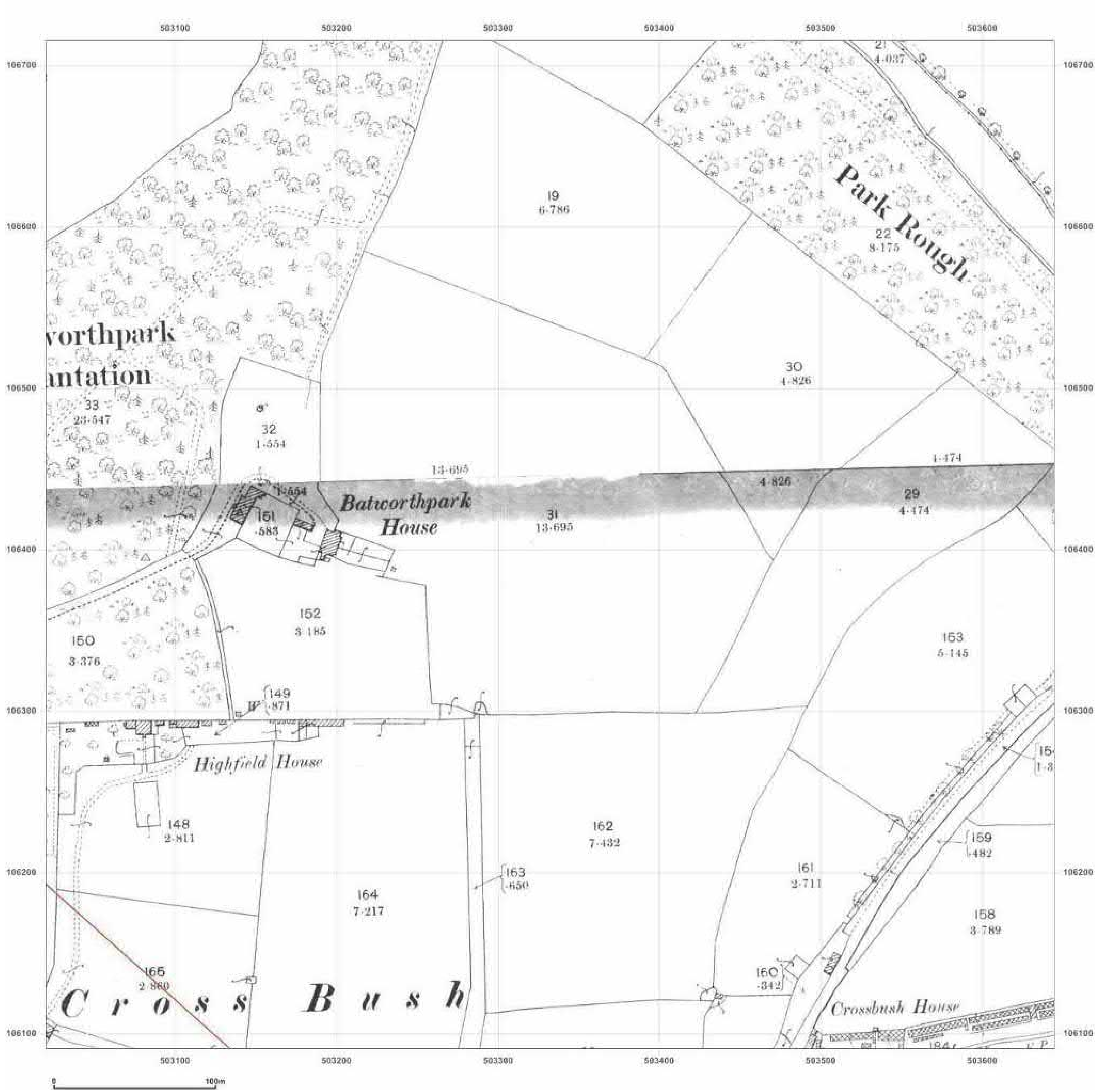


Groundsure INSIGHTS

Site Details:

ARUNDEL

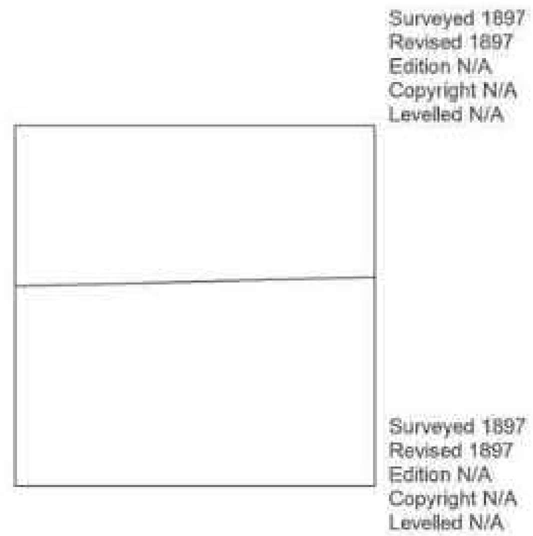
Client Ref: PO86494
Report Ref: GS-2047500_LS_10_3
Grid Ref: 503332, 106403

Map Name: County Series

Map date: **1897**

Scale: 1:2,500

Printed at: 1:2,500



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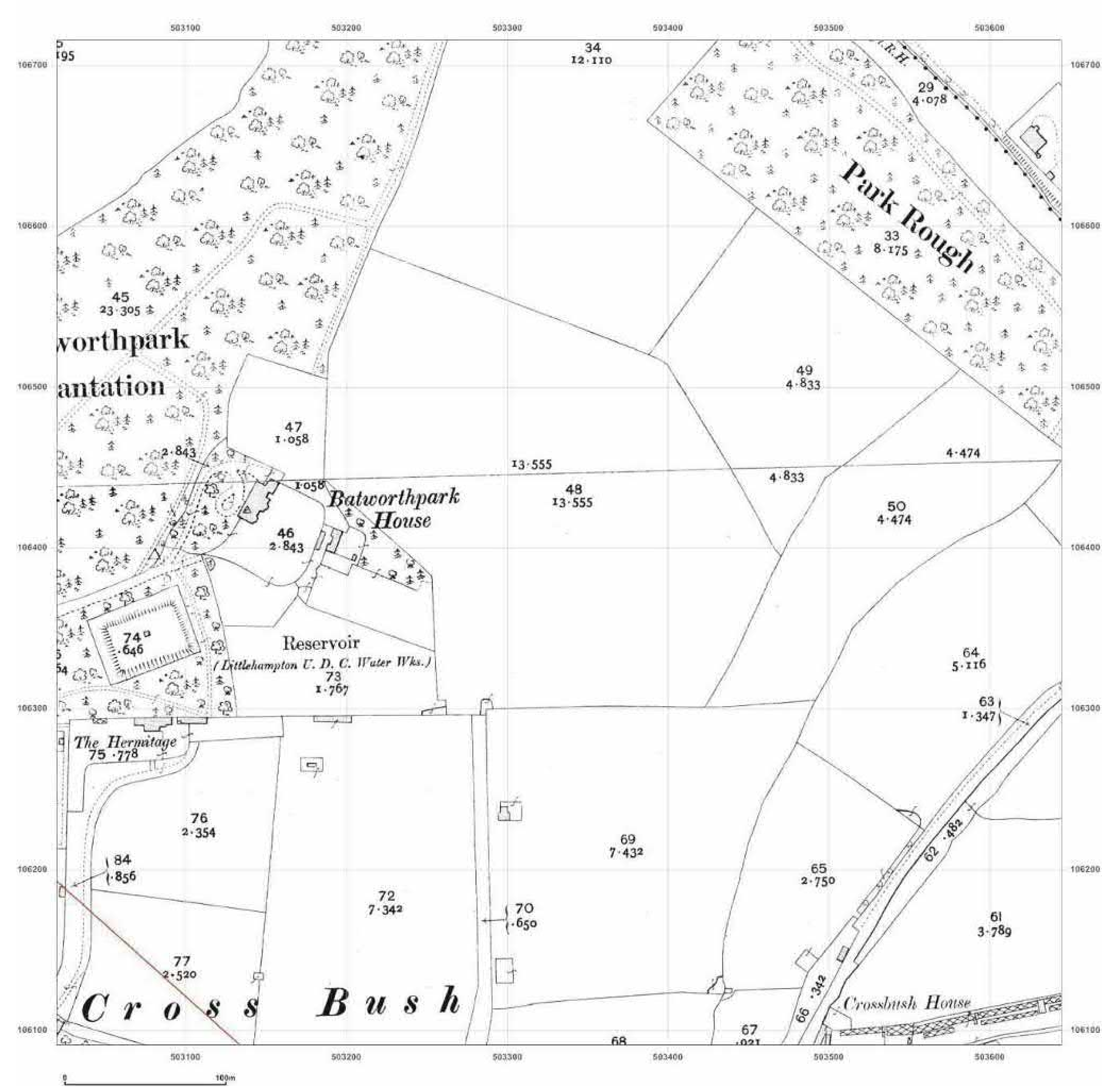
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_3
Grid Ref: 503332, 106403

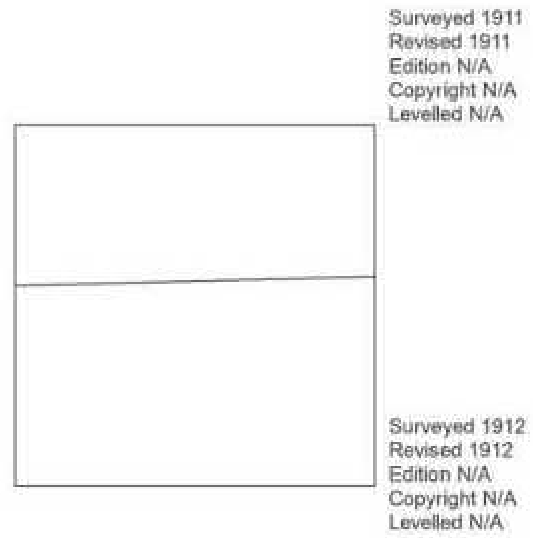
Map Name: County Series

Map date: **1911-1912**

Scale: 1:2,500

Printed at: 1:2,500

N W E S



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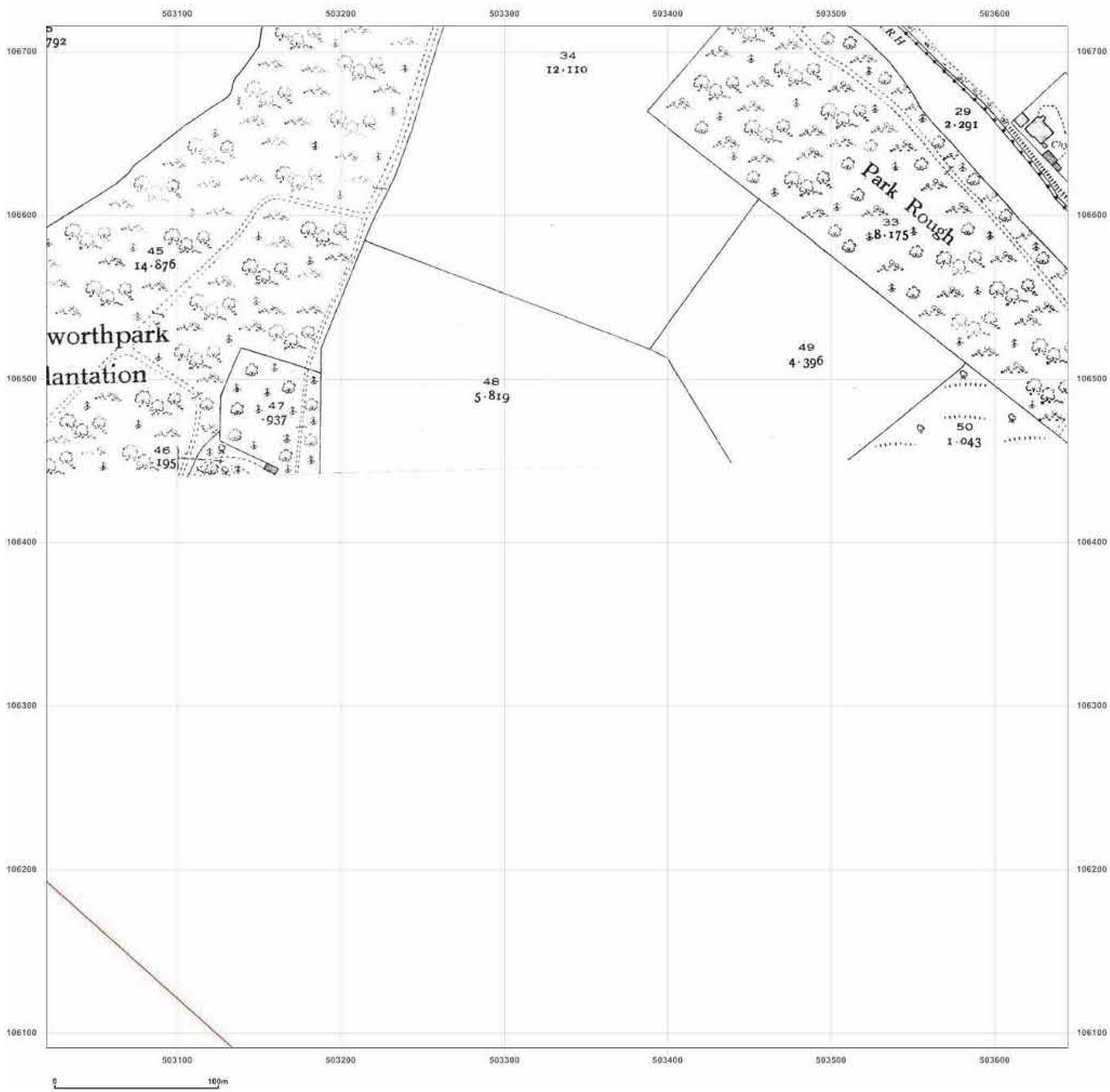
Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_3
Grid Ref: 503332, 106403

Map Name: County Series

Map date: **1940**

Scale: 1:2,500

Printed at: 1:2,500

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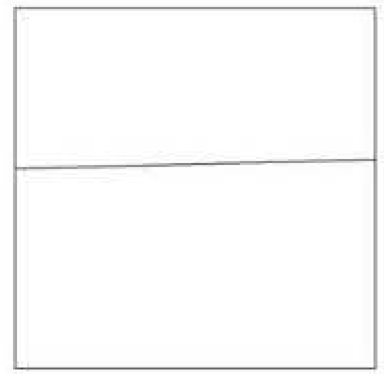
Surveyed 1940
Revised 1940
Edition N/A
Copyright N/A
Levelled N/A



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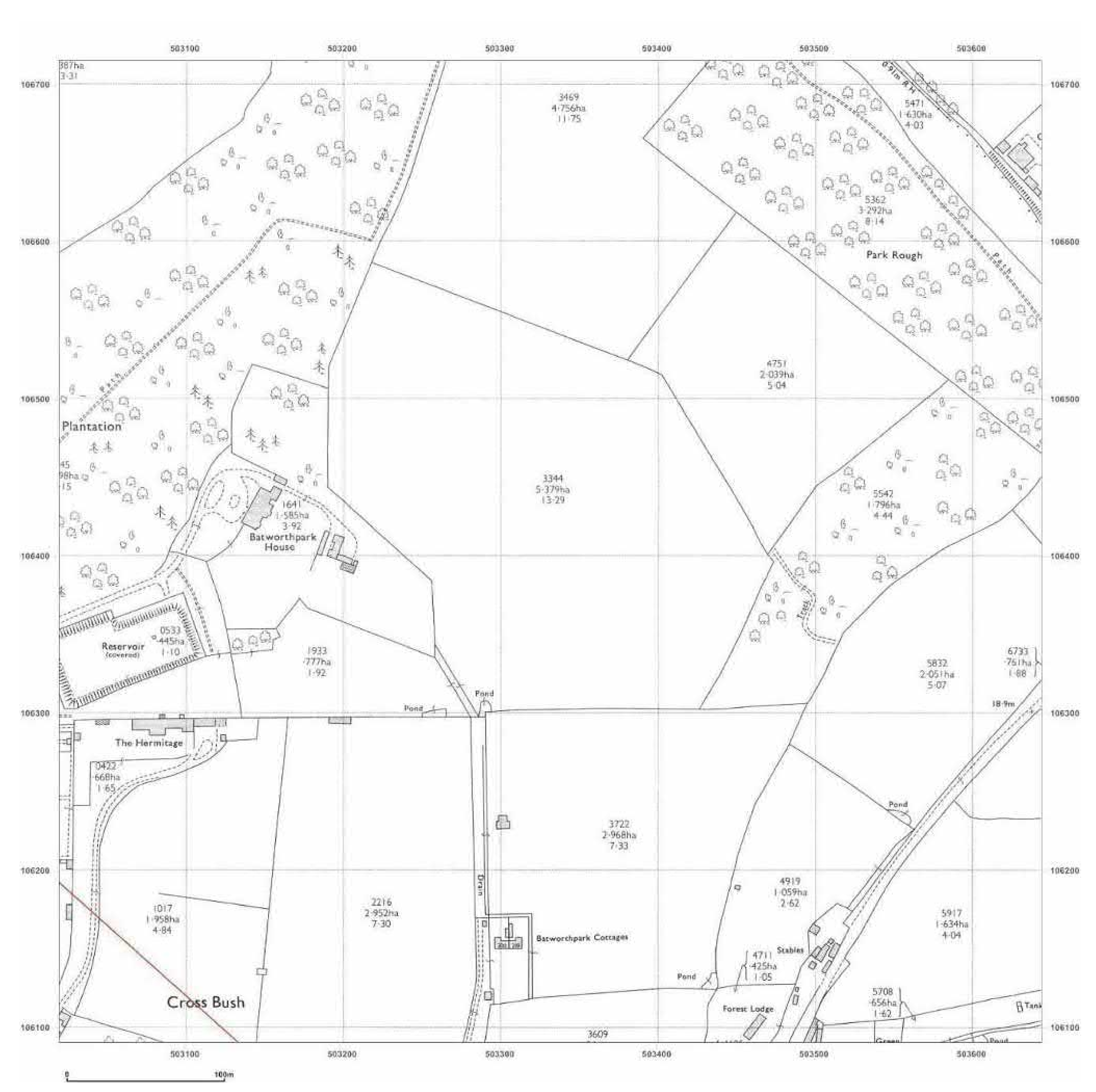
Production date: 29 April 2015

To view map legend click here *Legend*



![Groundsure Insights]

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_3
Grid Ref: 503332, 106403

Map Name: National Grid

Map date: **1972**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1972
Revised 1972
Edition N/A
Copyright 1973
Levelled 1966

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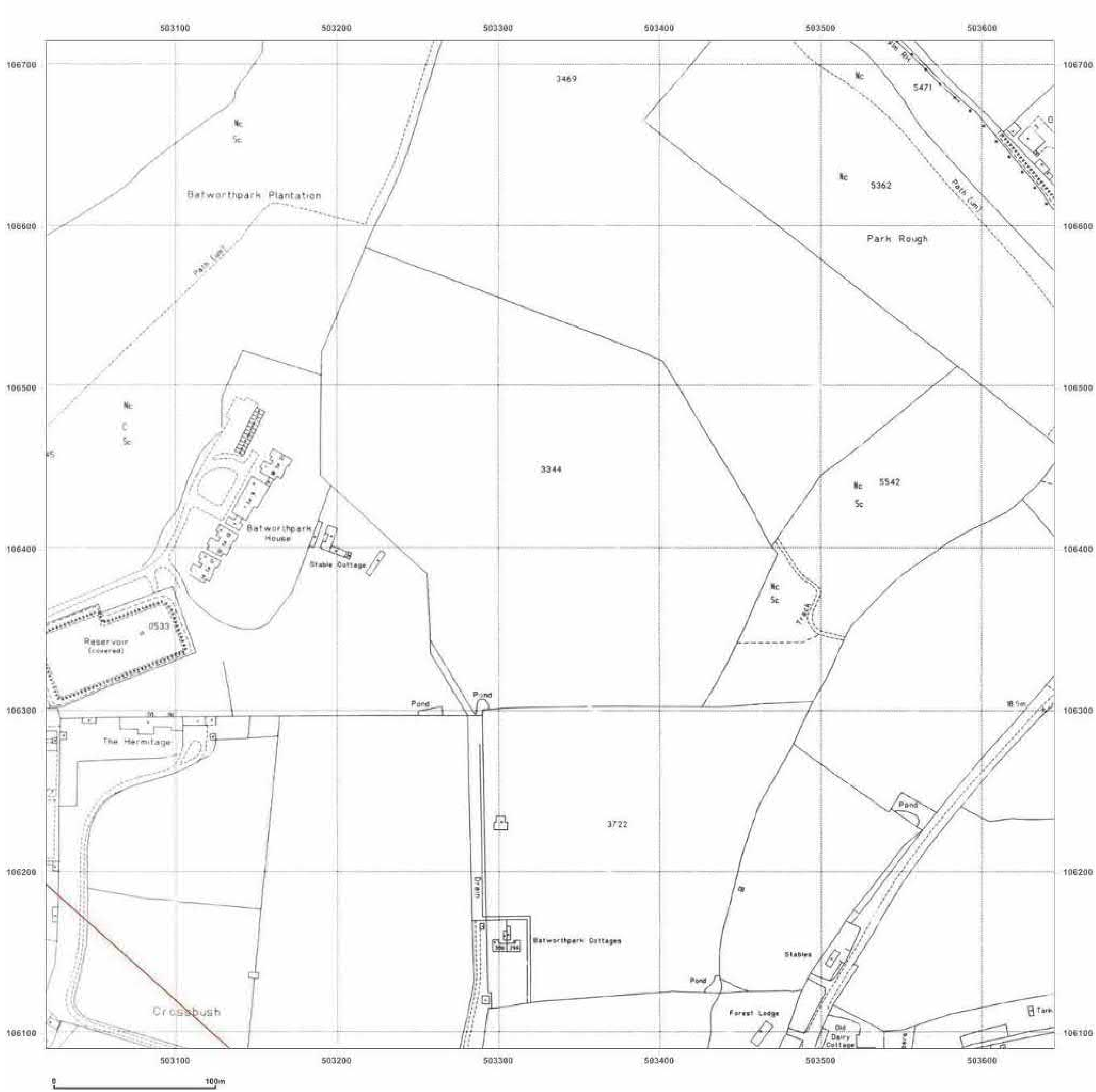
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_LS_10_3
Grid Ref: 503332, 106403

Map Name: National Grid

Map date: 1994

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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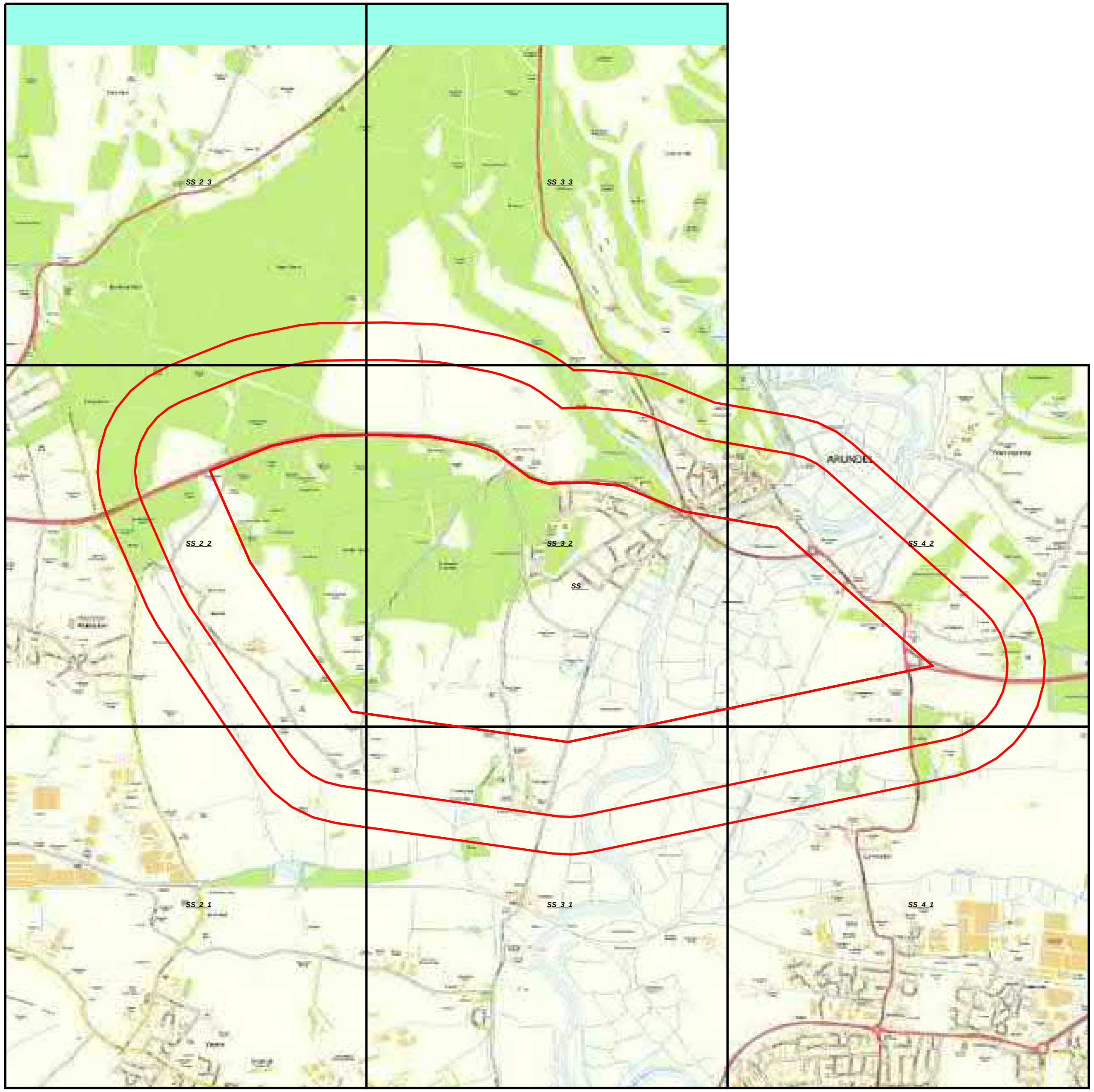
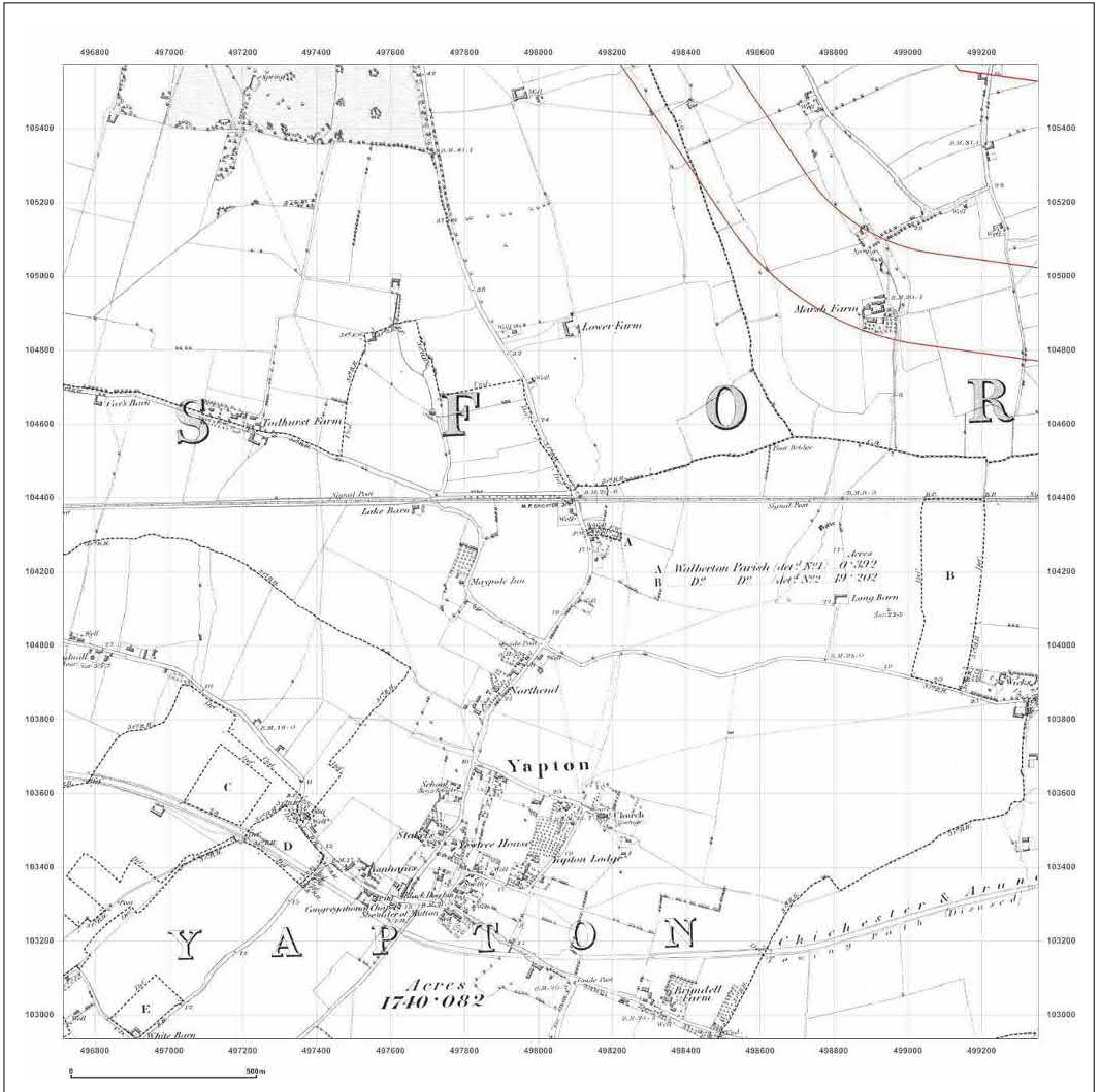


Small Scale Grid Index



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

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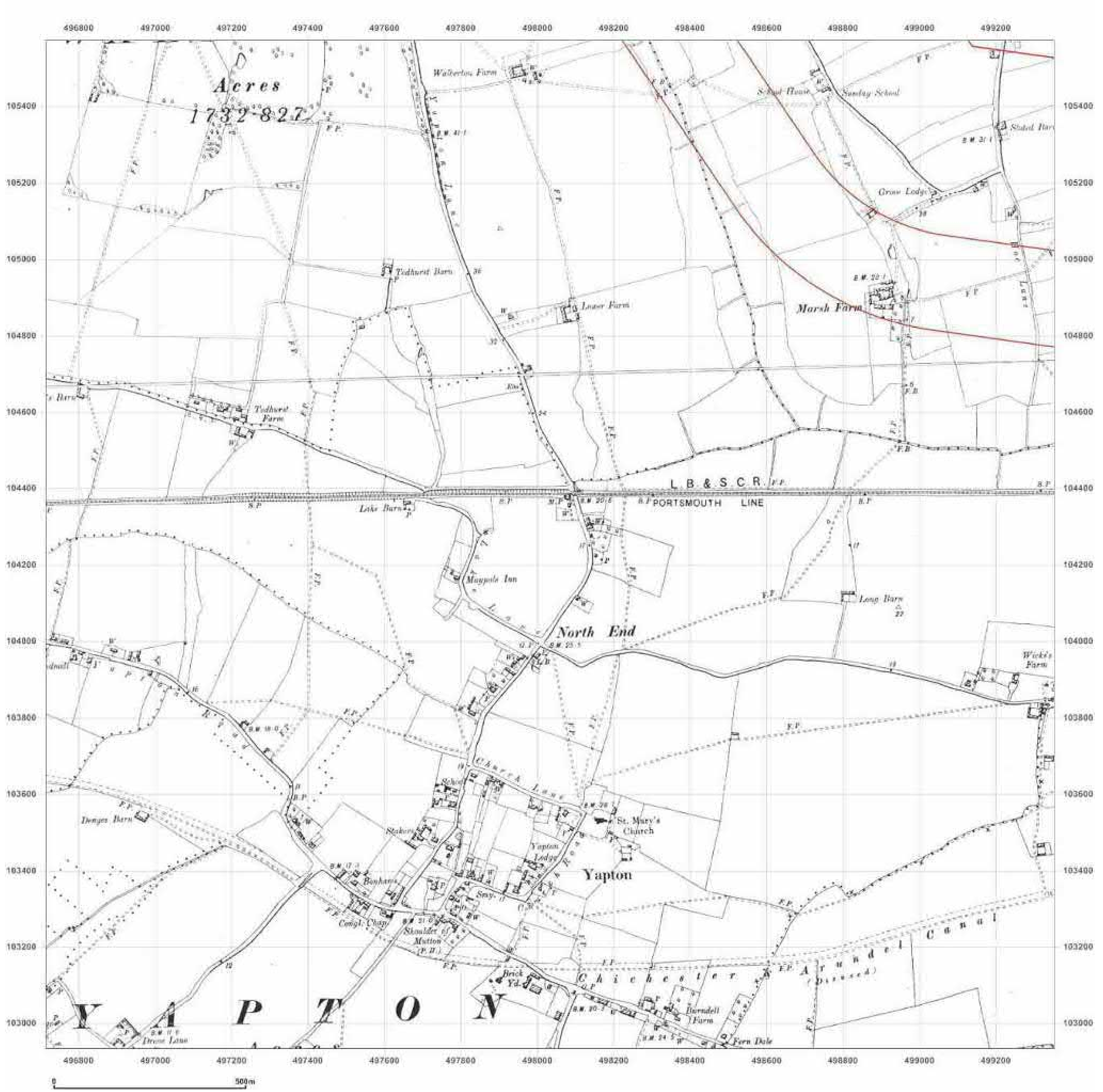

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N
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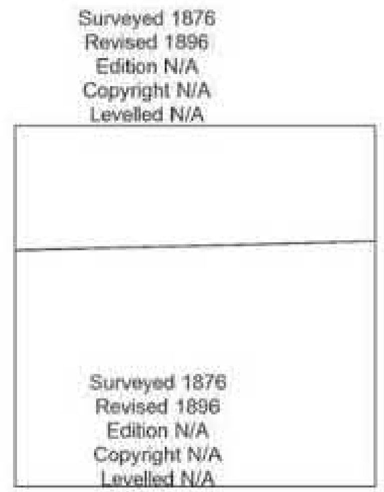

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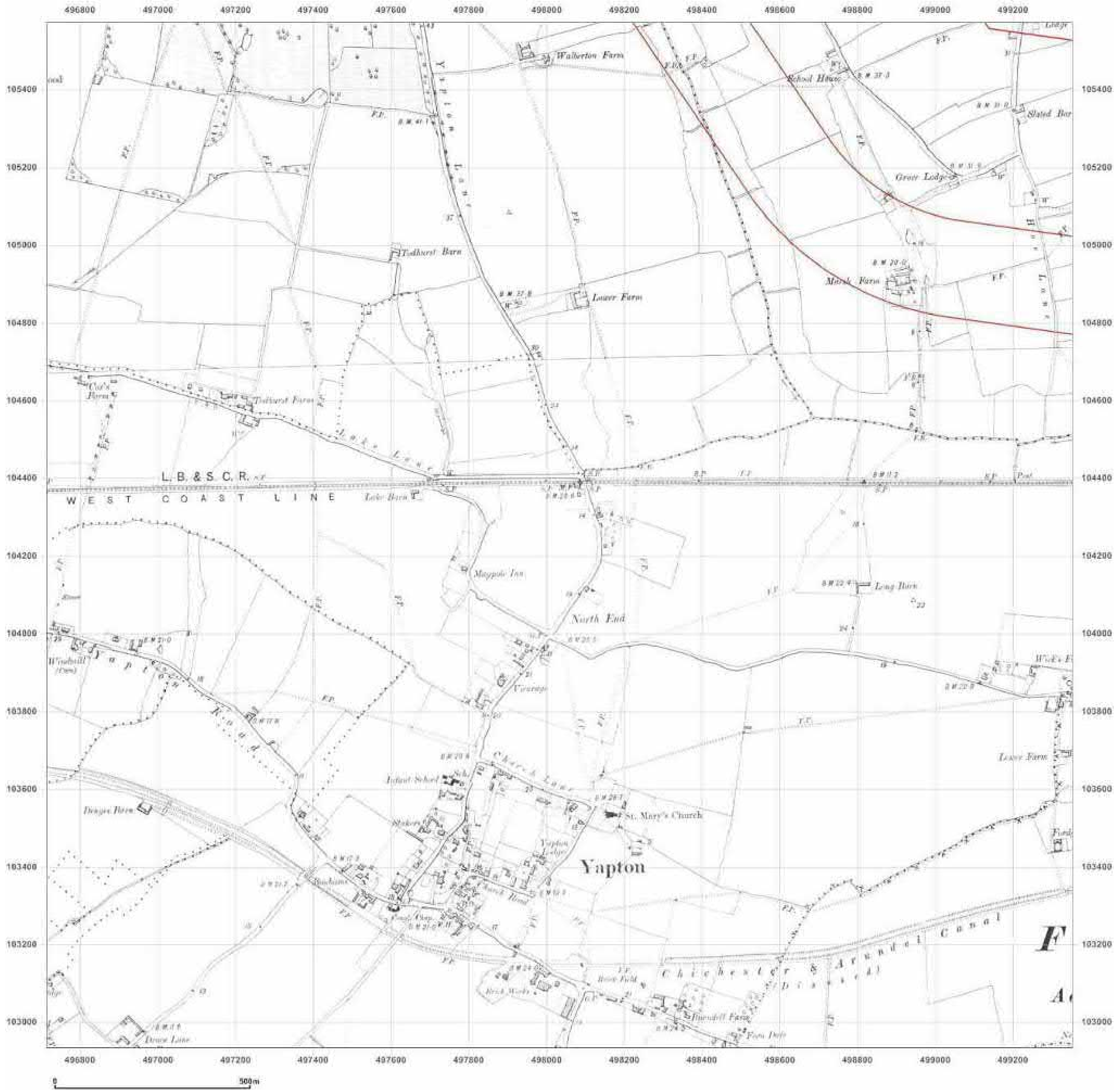

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560

N W E S

Surveyed 1874
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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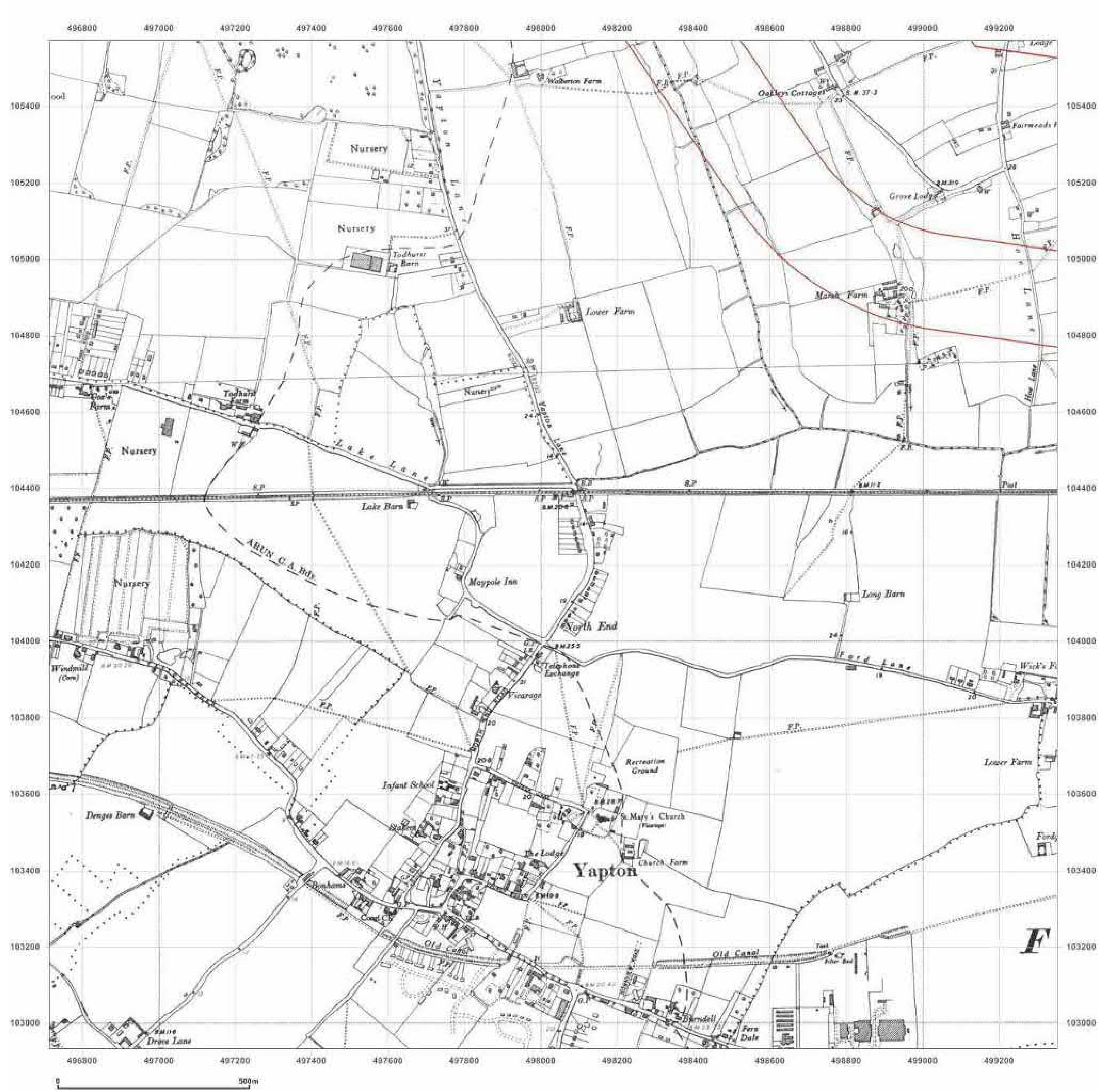

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: County Series

Map date: **1950**

Scale: 1:10,560

Printed at: 1:10,560

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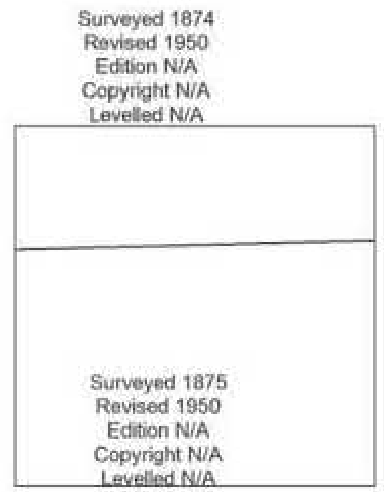

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Production date: 29 April 2015

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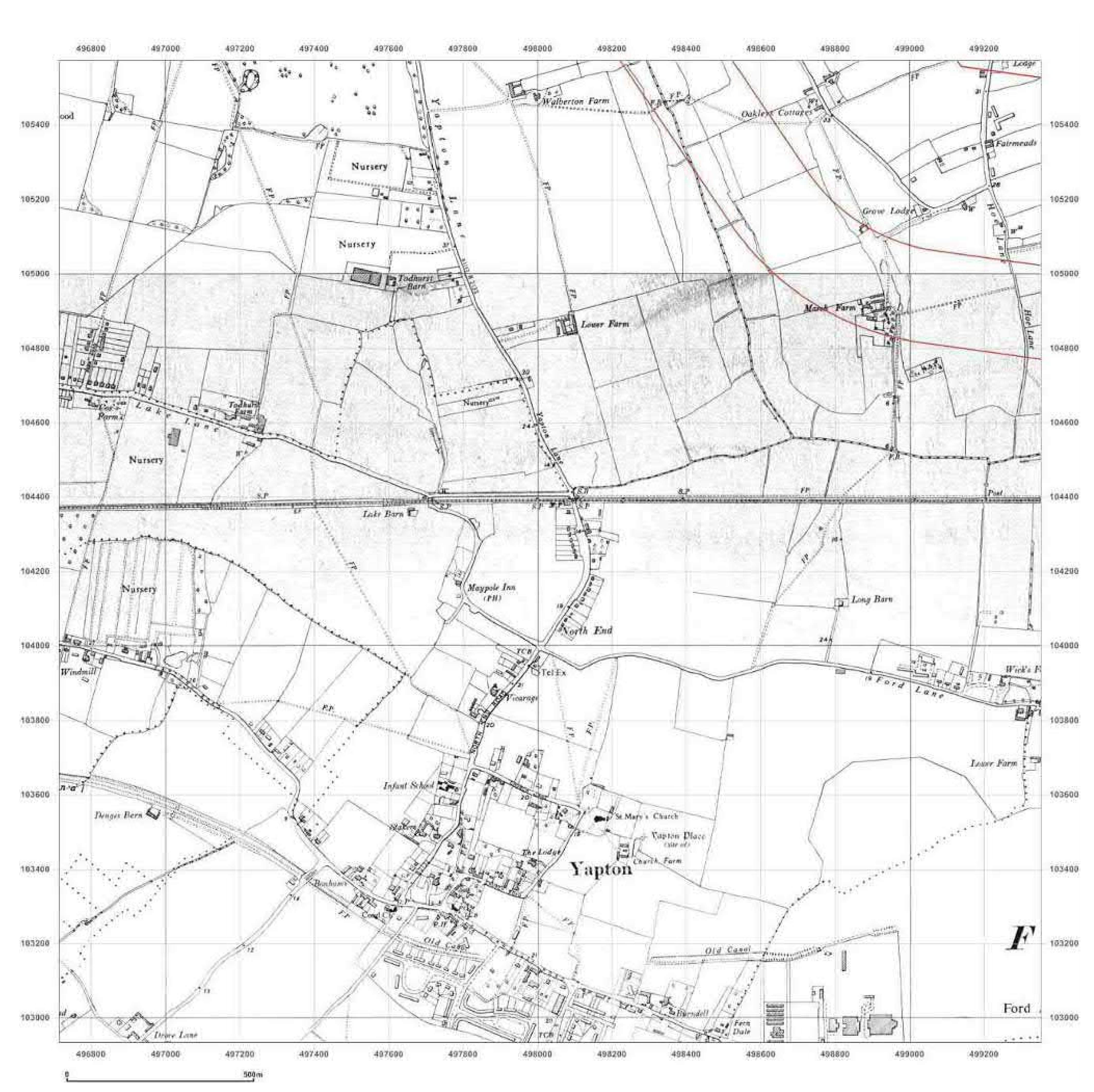

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: Provisional

Map date: 1961

Scale: 1:10,560

Printed at: 1:10,560

N W E S

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

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

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Production date: 29 April 2015

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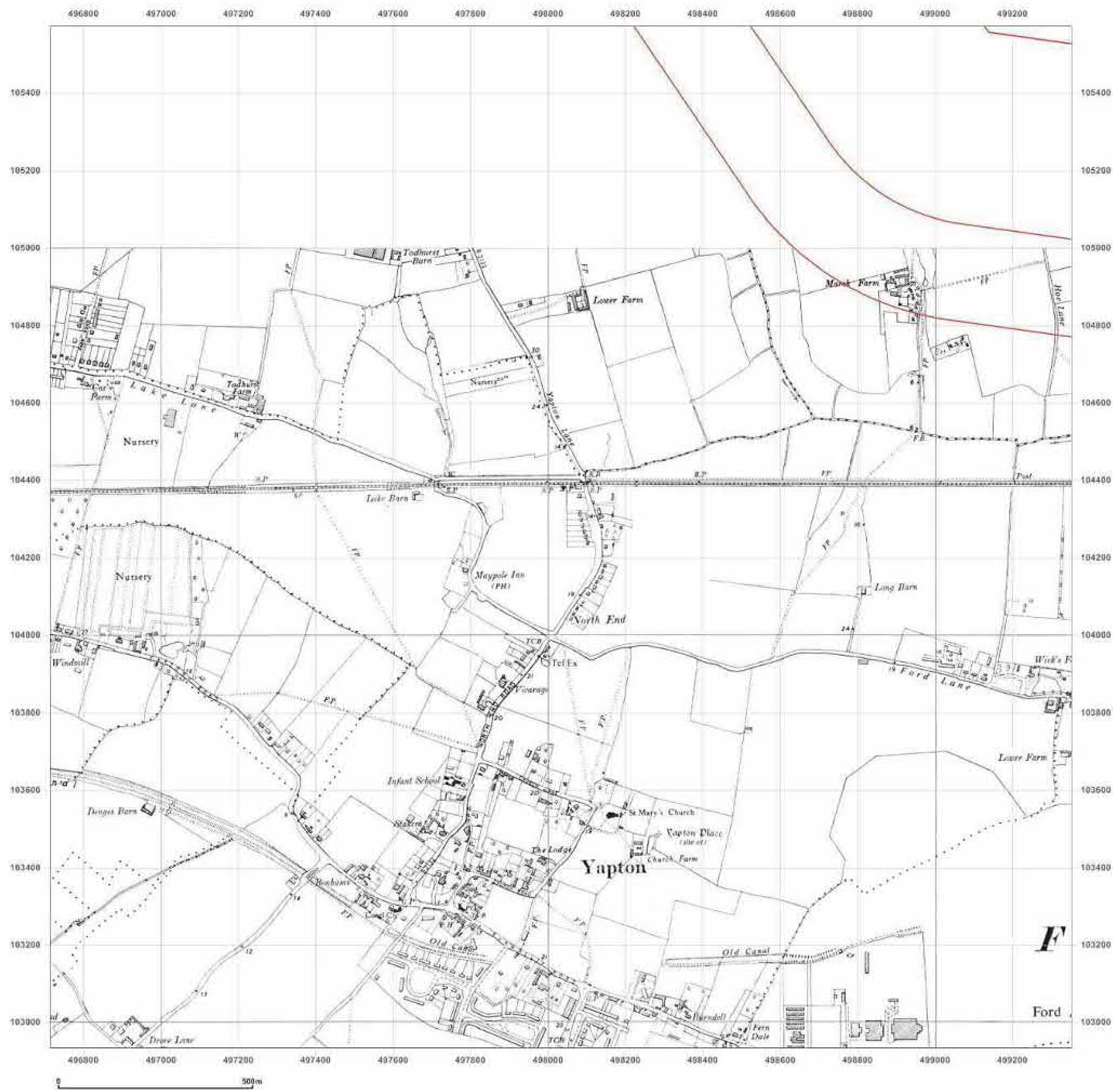

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: Provisional

Map date: **1966**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed N/A
Revised 1966
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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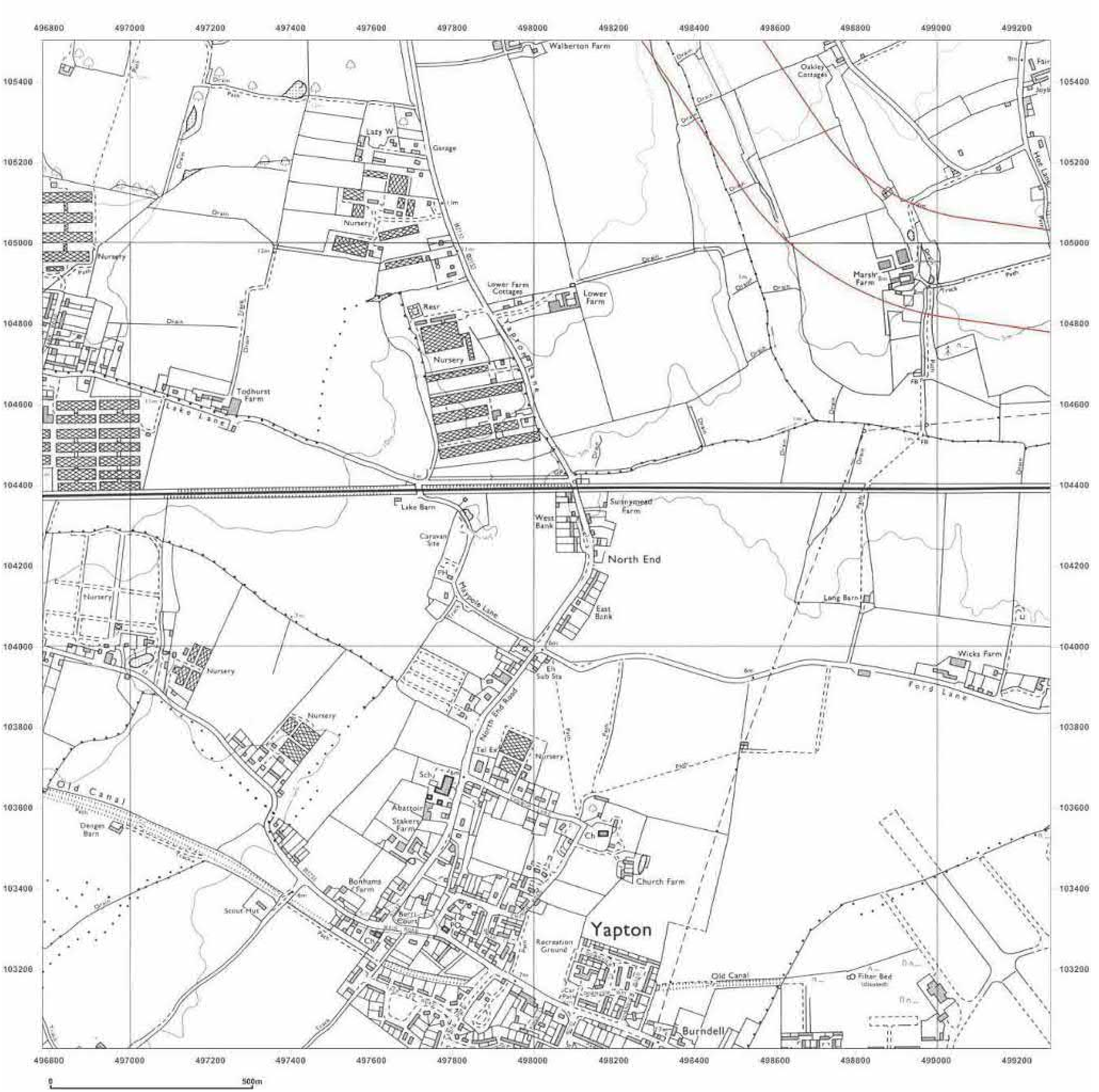

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: National Grid

Map date: **1977-1978**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

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

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Production date: 29 April 2015

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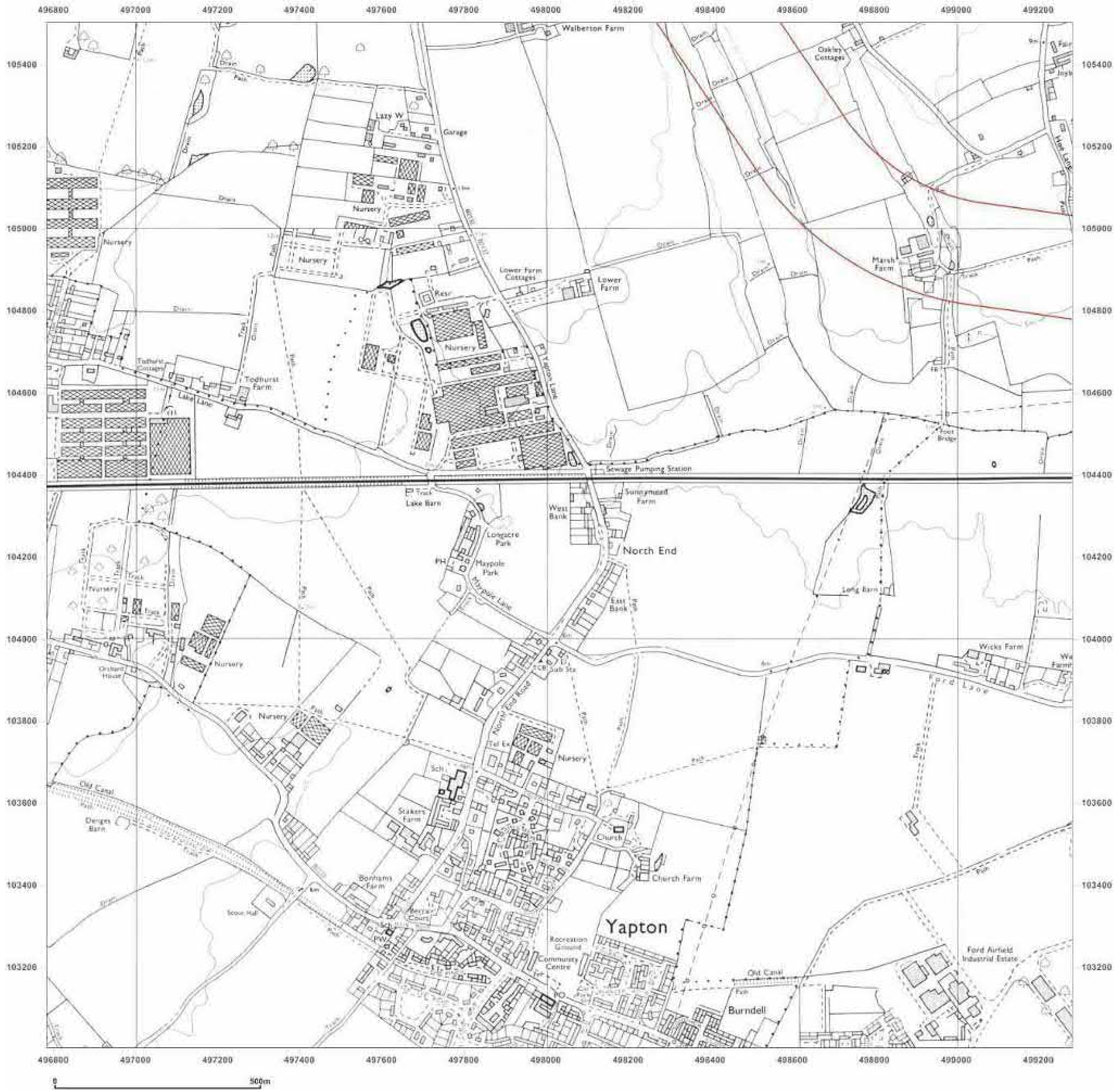

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: National Grid

Map date: **1990-1991**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

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

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Production date: 29 April 2015

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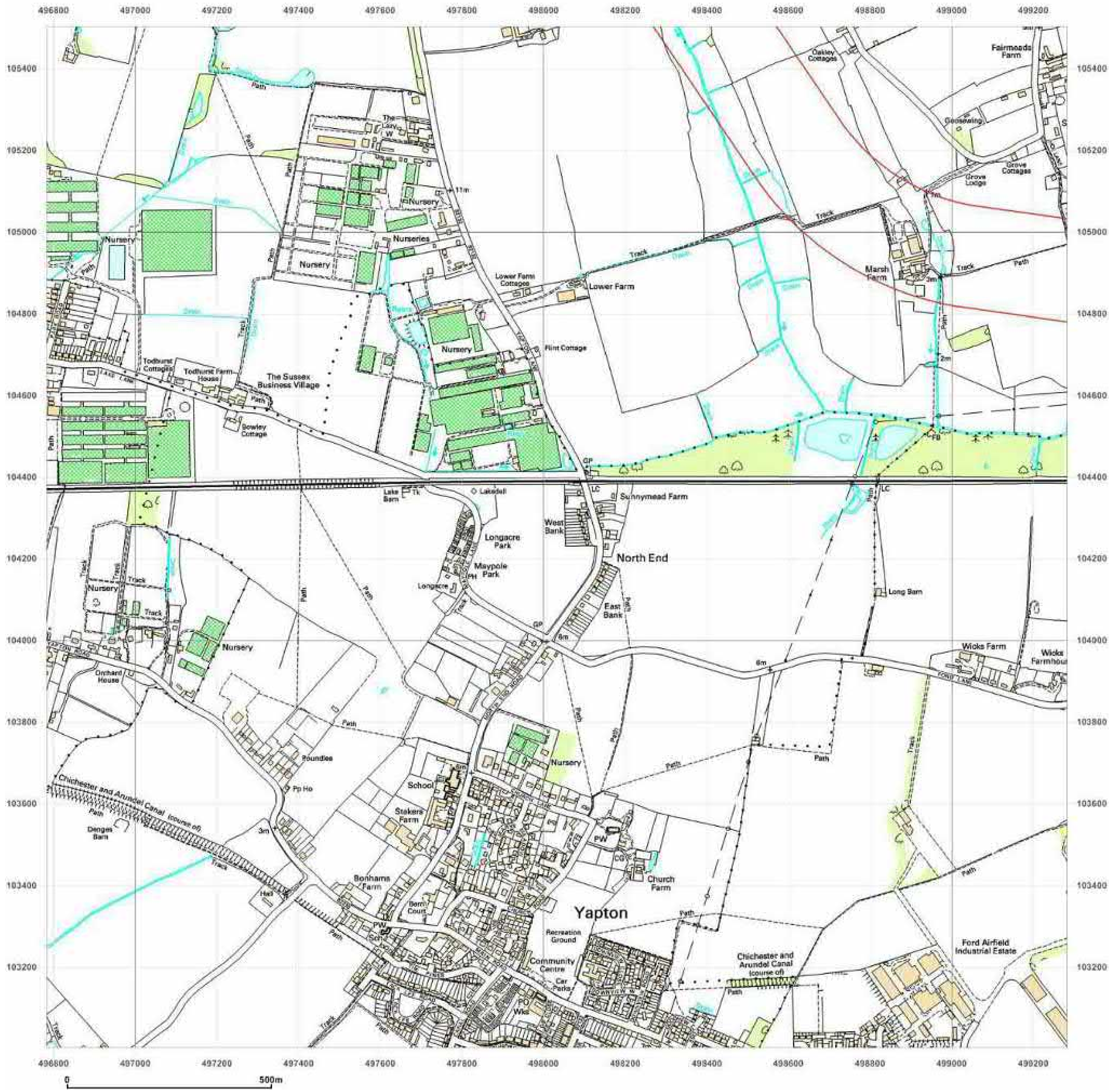

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
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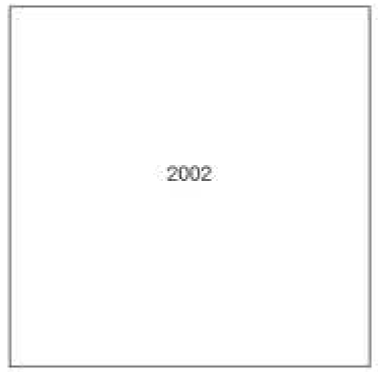

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Production date: 29 April 2015

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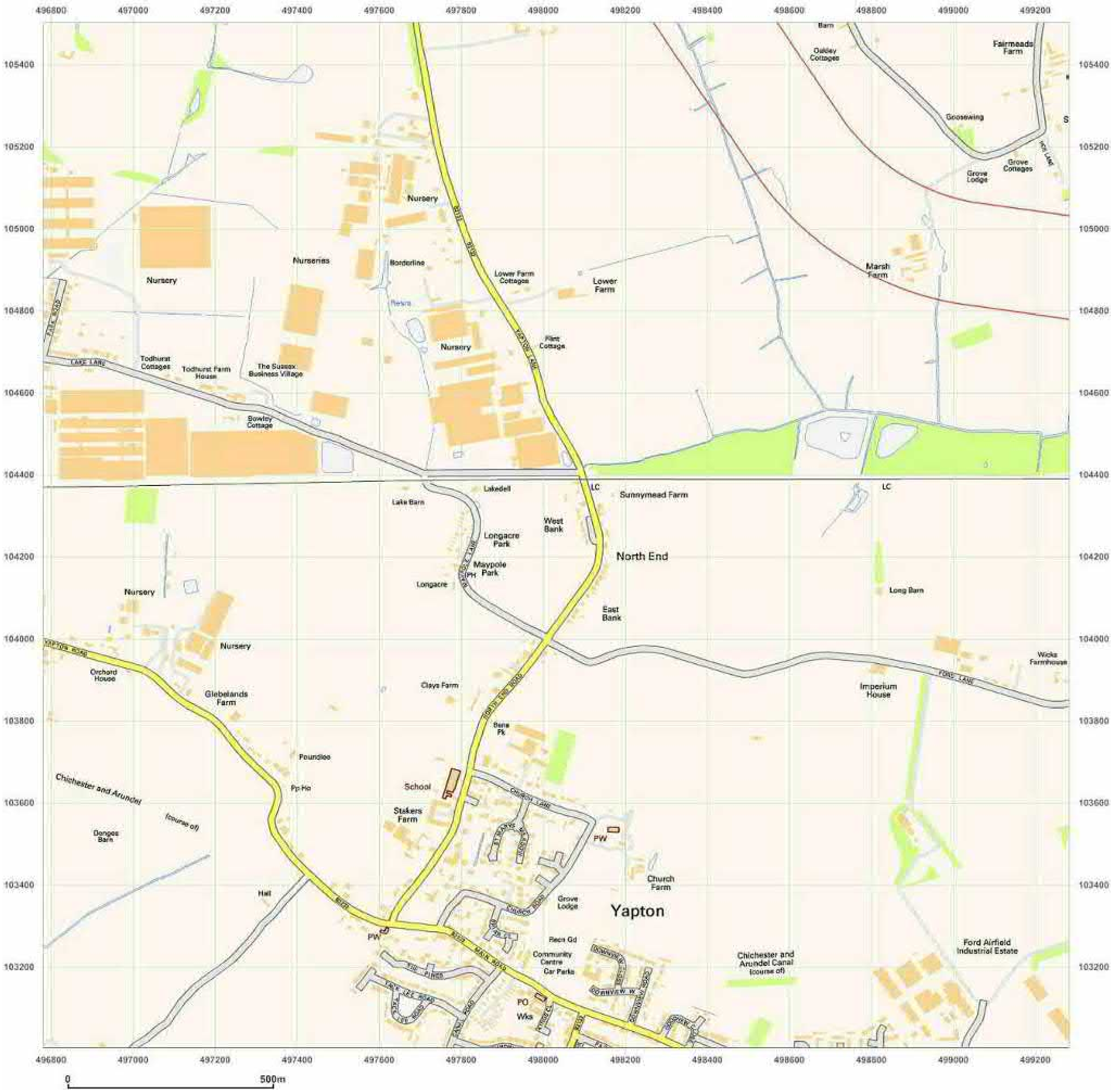

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
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2010

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Production date: 29 April 2015

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![Groundsure Insights]

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_1
Grid Ref: 498032, 104253

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
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2014

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Production date: 29 April 2015

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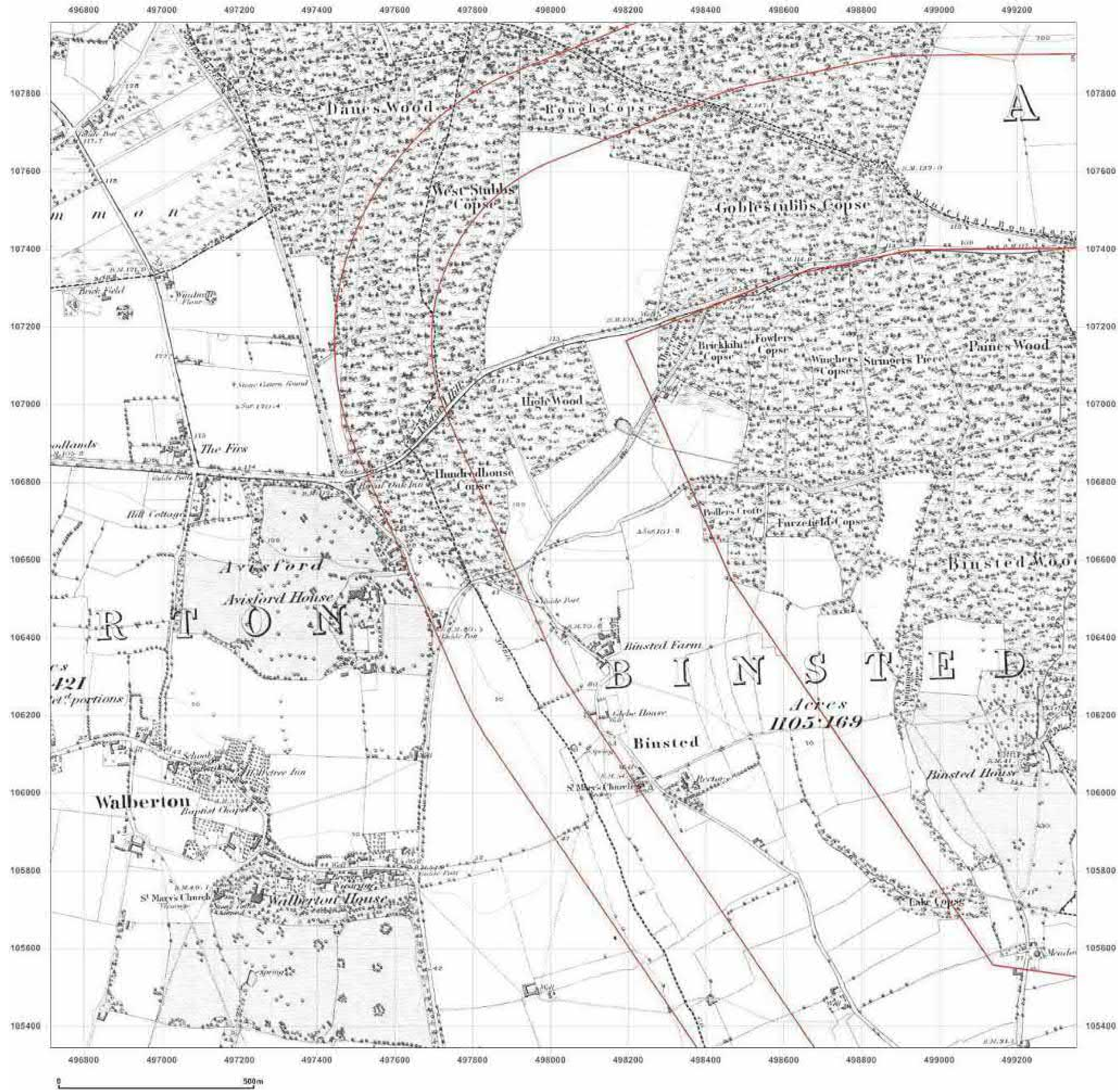

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

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

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Production date: 29 April 2015

To view map legend click here *Legend*

Site Details:

ARUNDEL

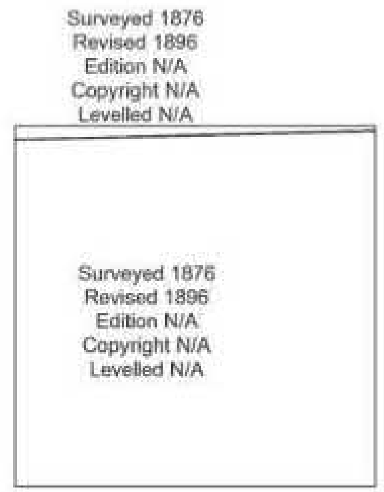
Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560



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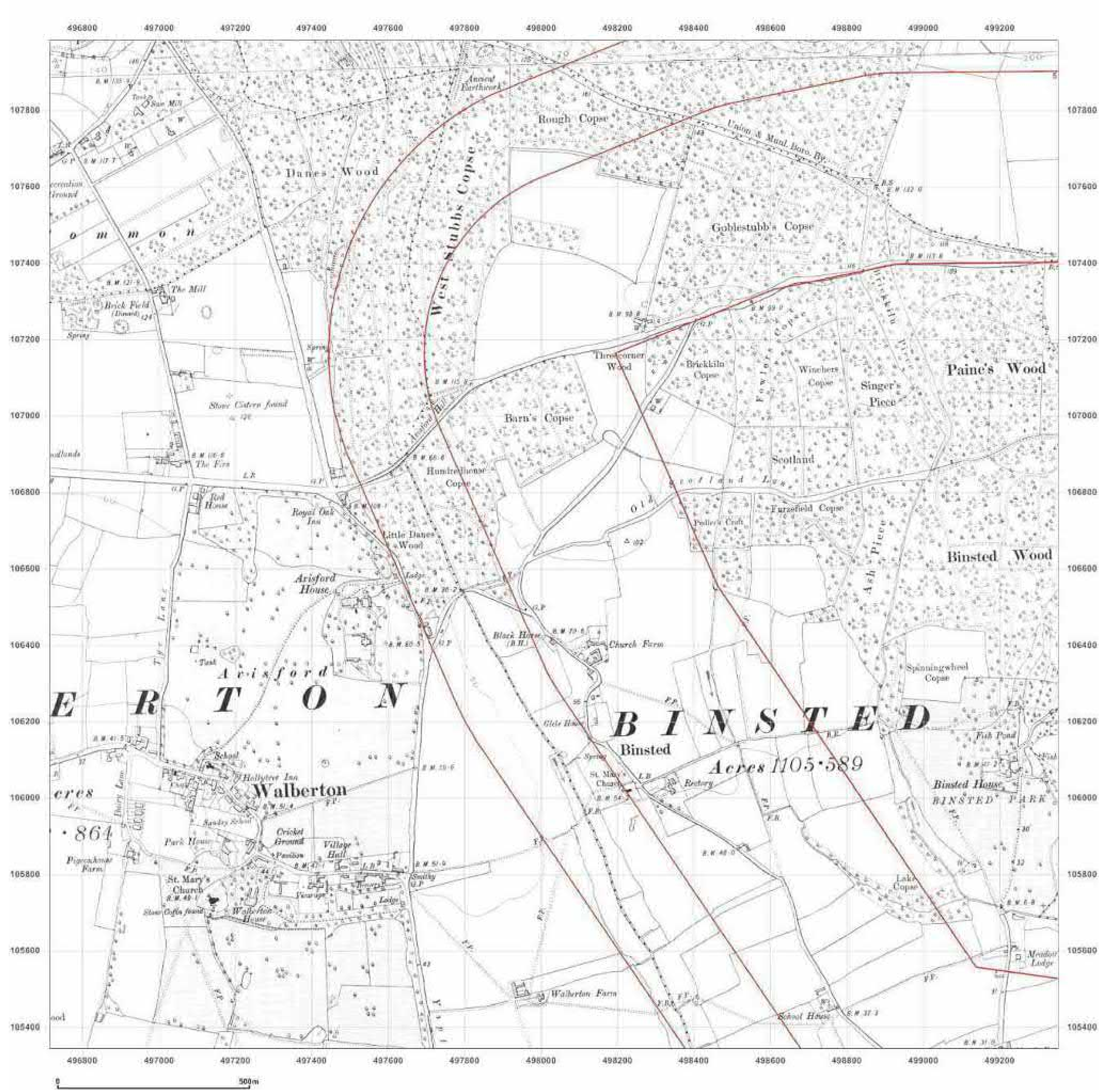
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560

N
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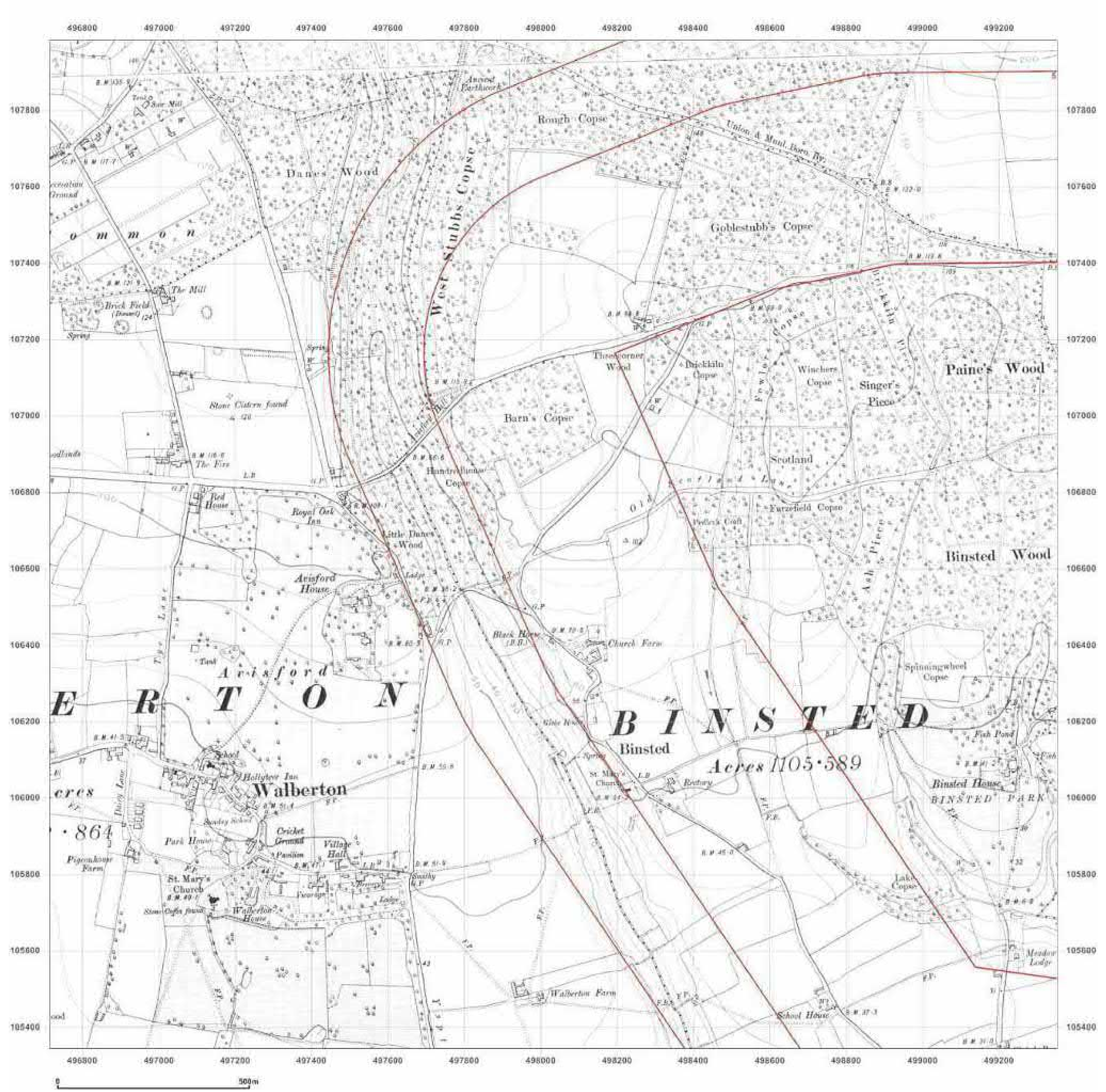
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: County Series

Map date: **1910-1914**

Scale: 1:10,560

Printed at: 1:10,560

N W E S

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Production date: 29 April 2015

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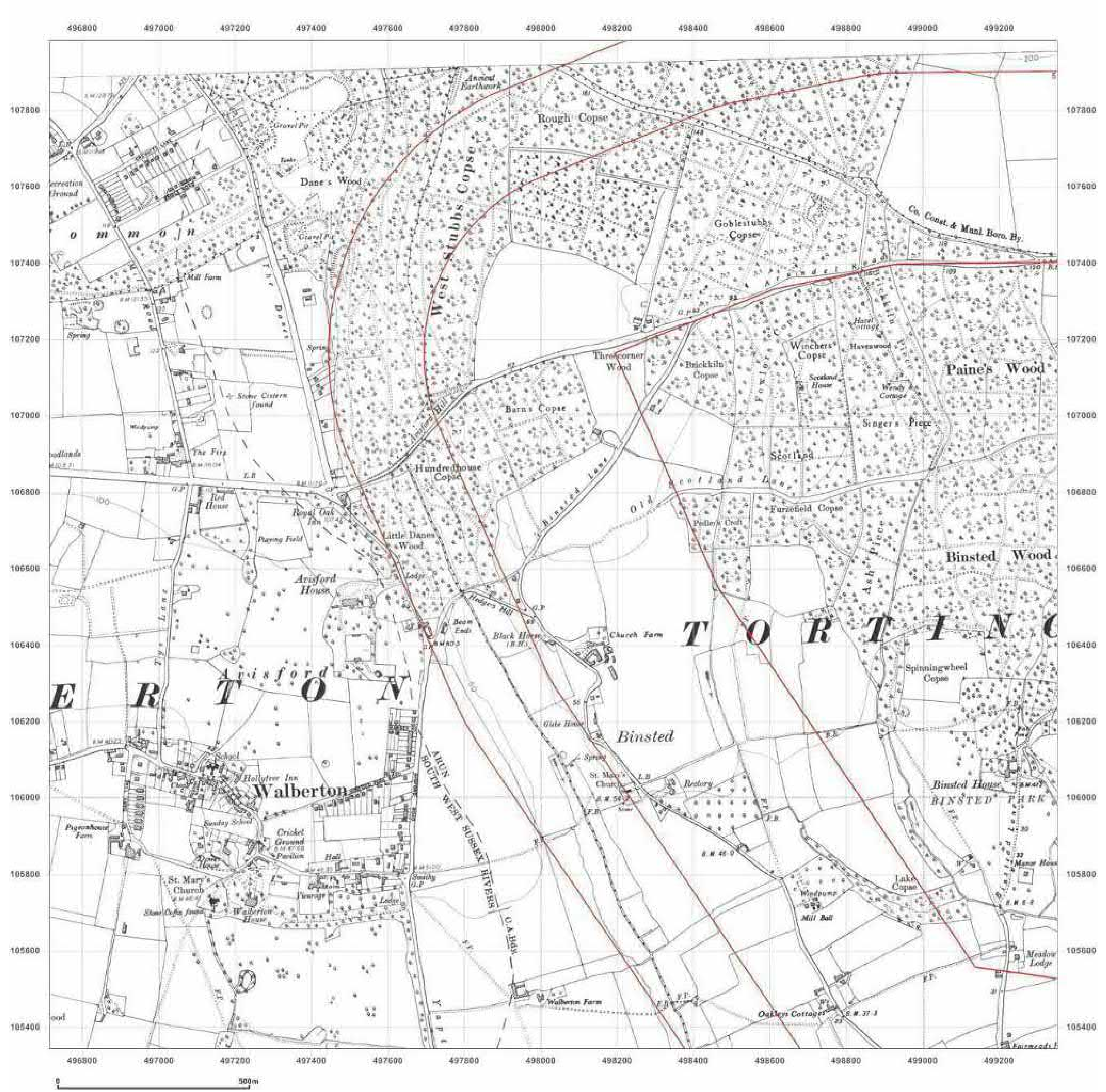

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: County Series

Map date: **1950**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1874
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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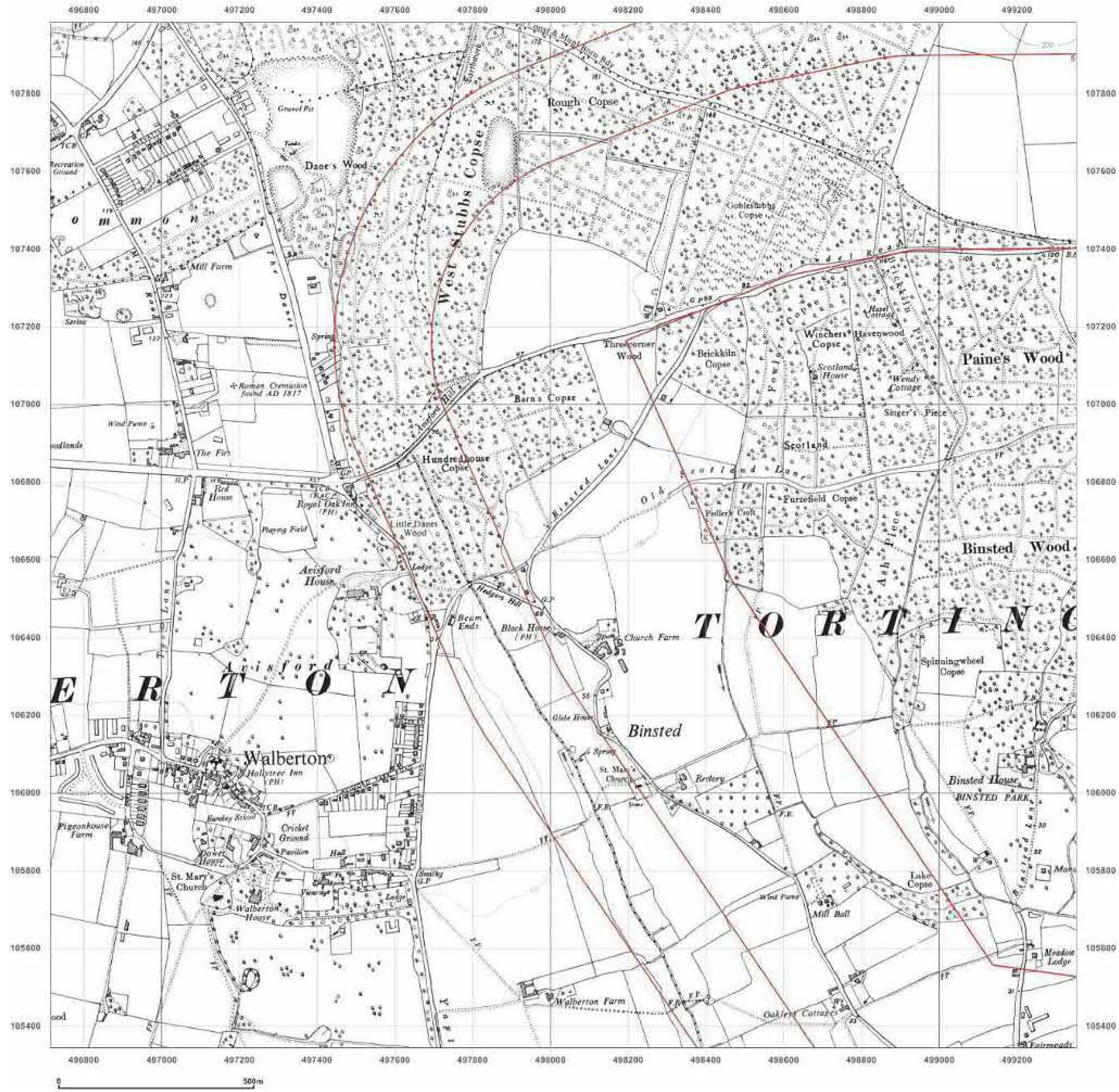

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: Provisional

Map date: 1961

Scale: 1:10,560

Printed at: 1:10,560

N W E S

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

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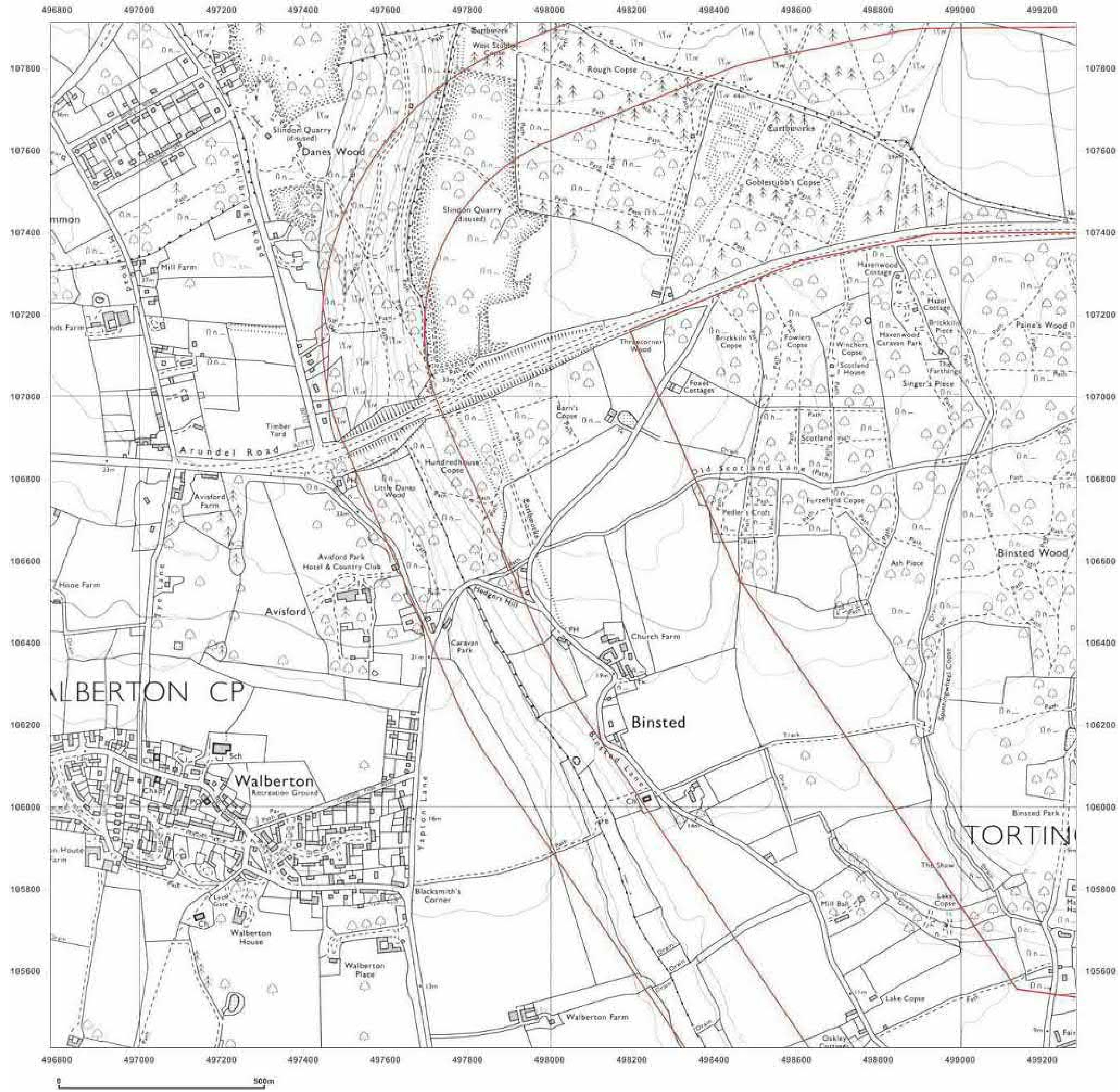
INSIGHTS



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: National Grid

Map date: 1977

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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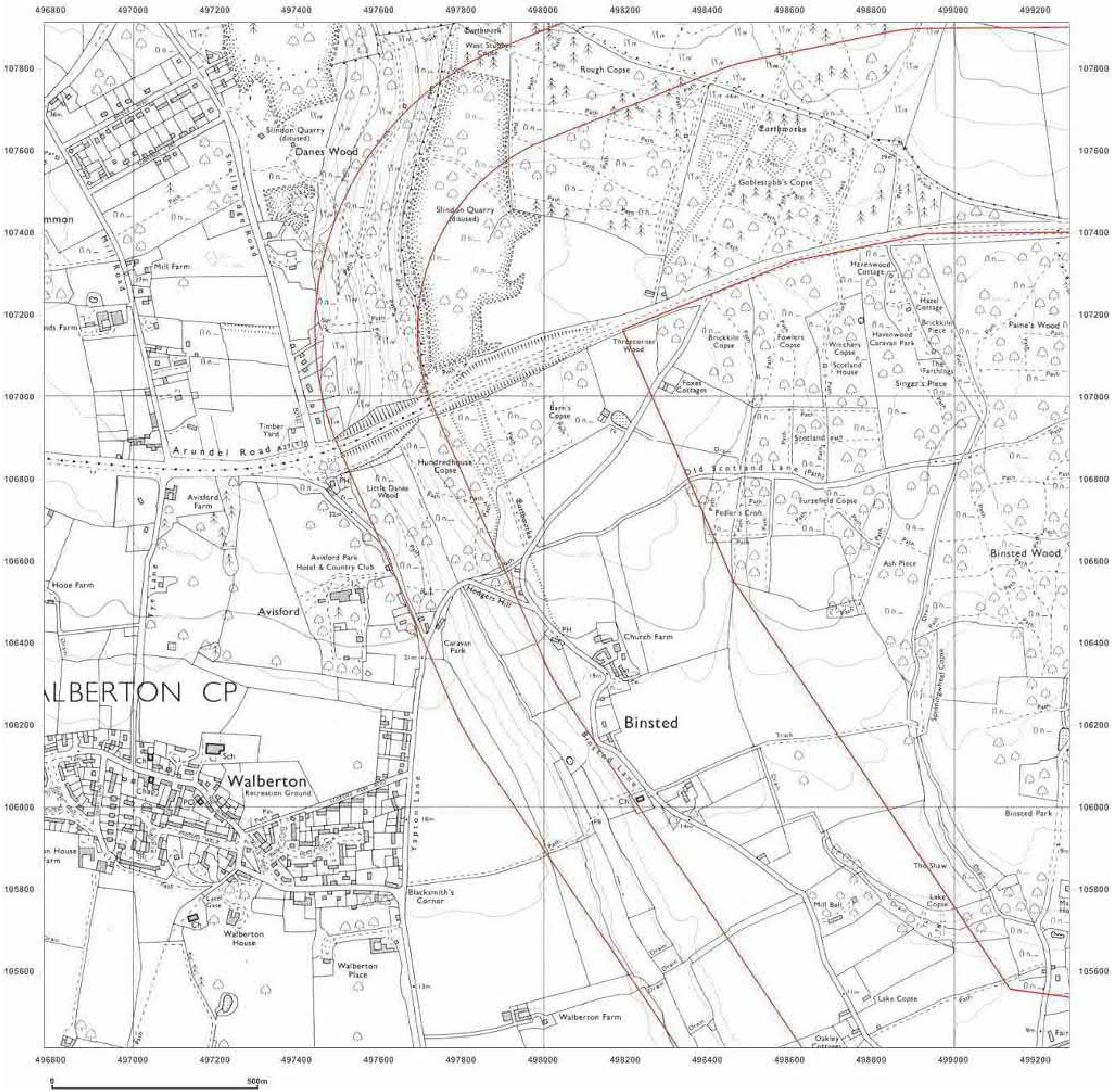

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: National Grid

Map date: **1990**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

Surveyed 1974
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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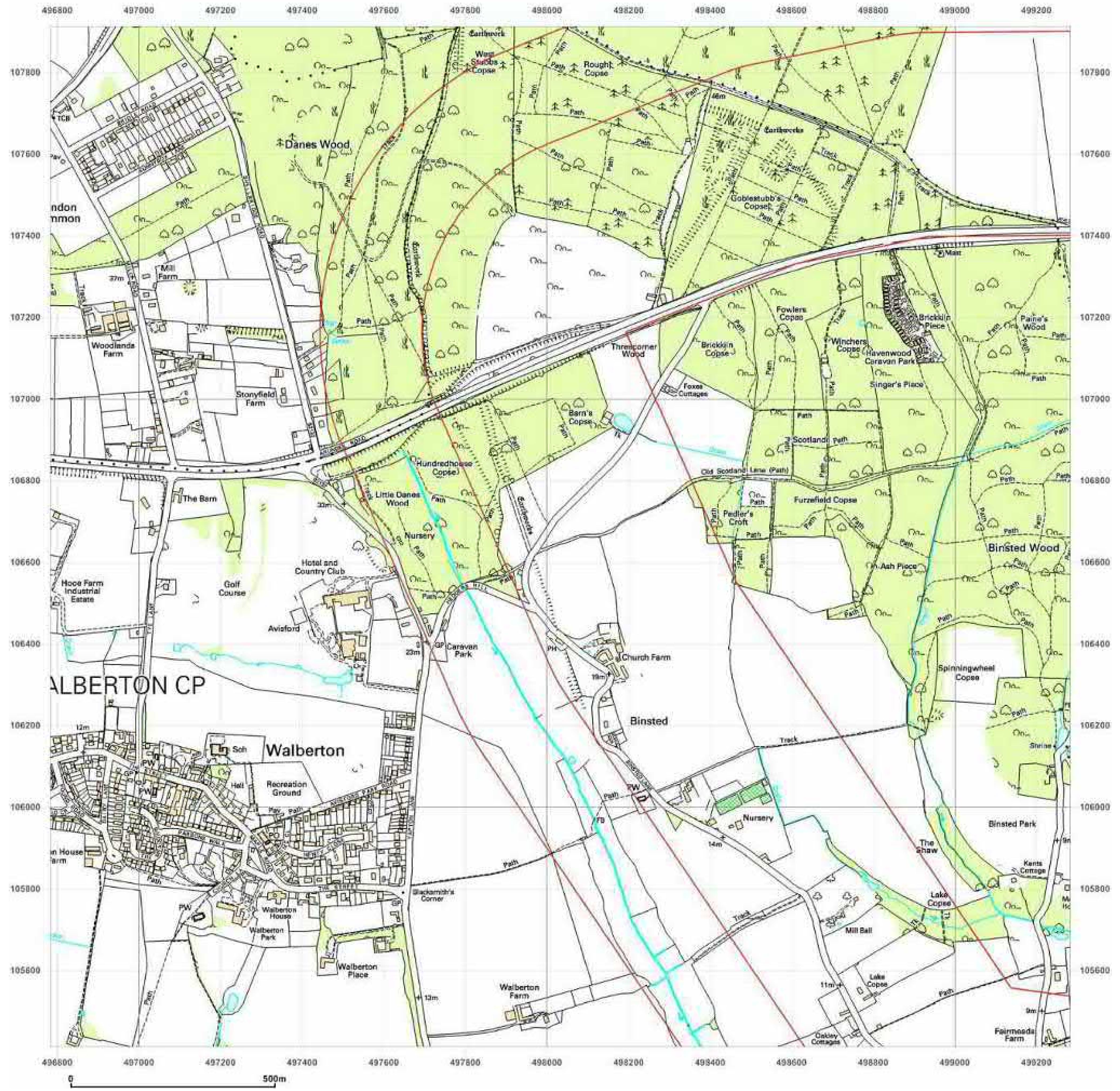

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
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2002

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Production date: 29 April 2015

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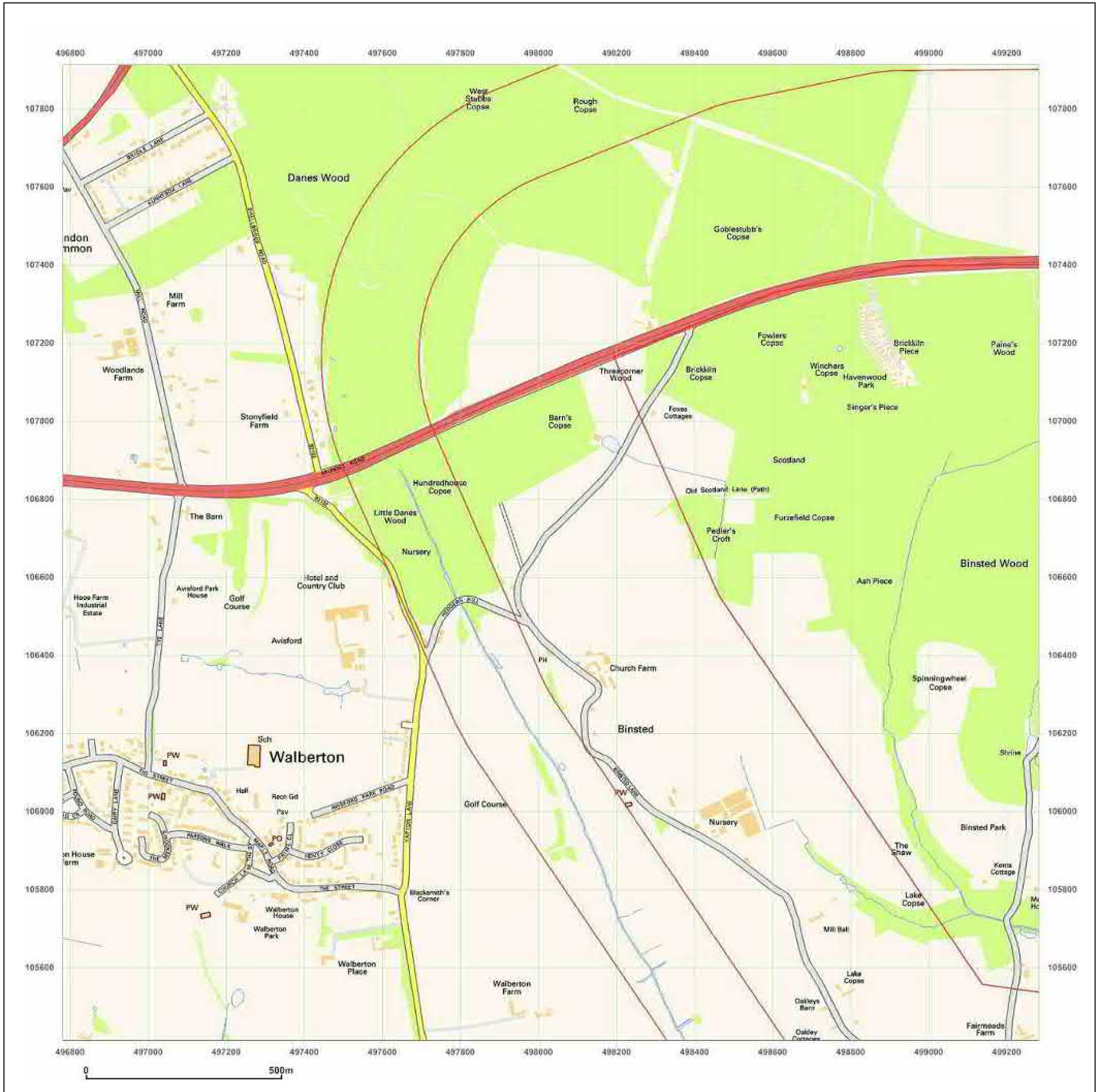

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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Production date: 29 April 2015

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_2
Grid Ref: 498032, 106663

Map Name: National Grid

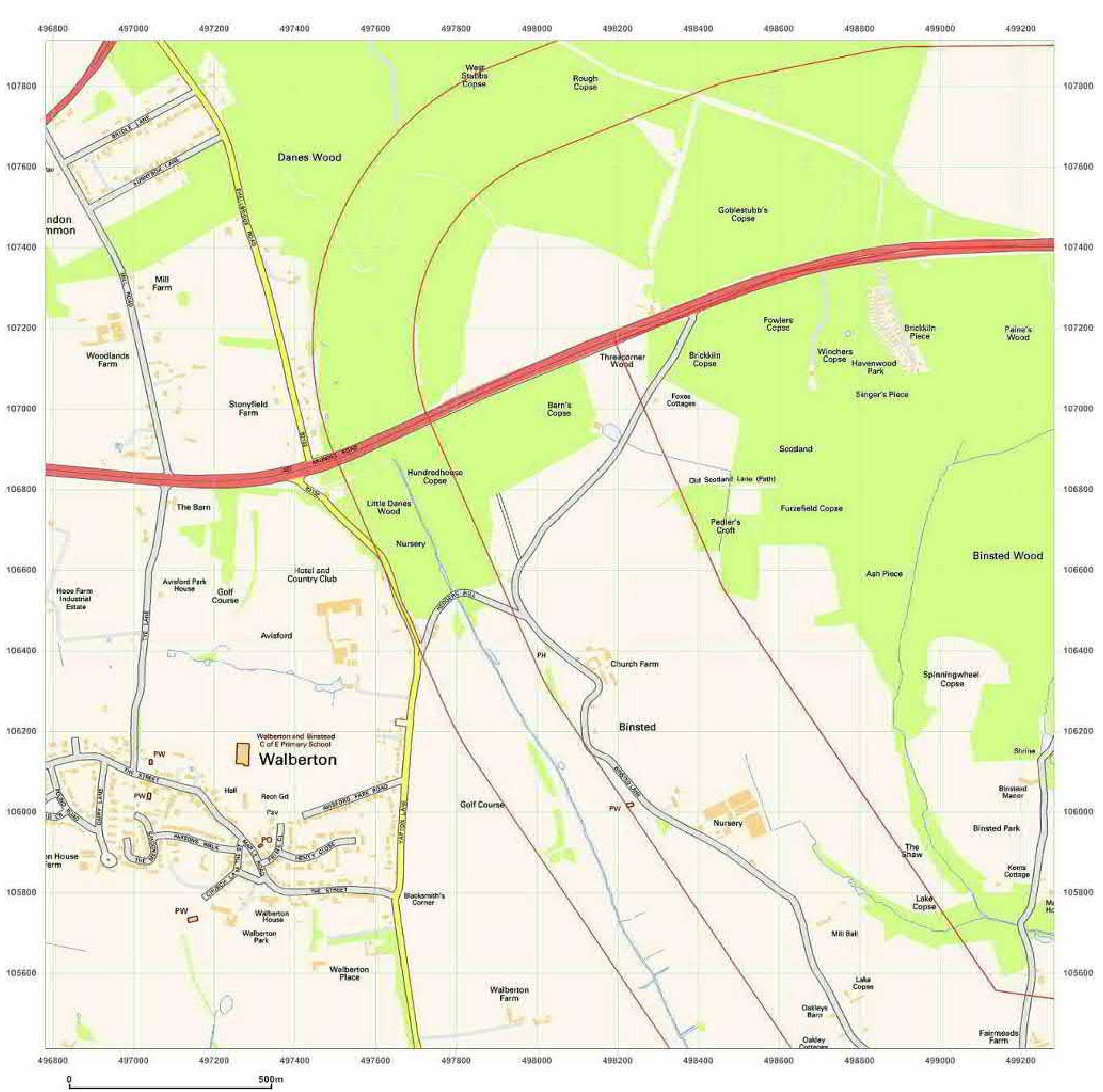
Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2014



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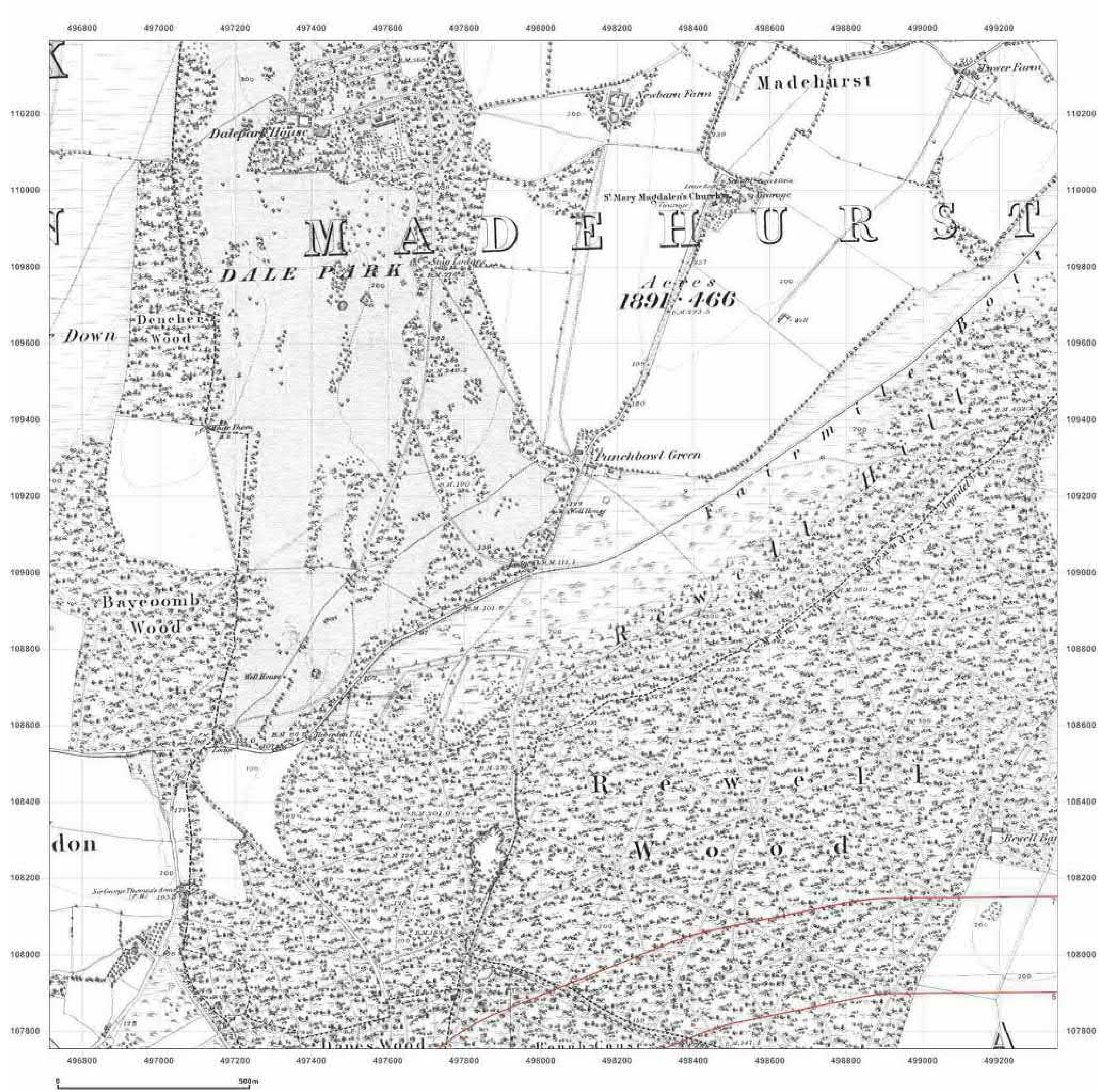
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

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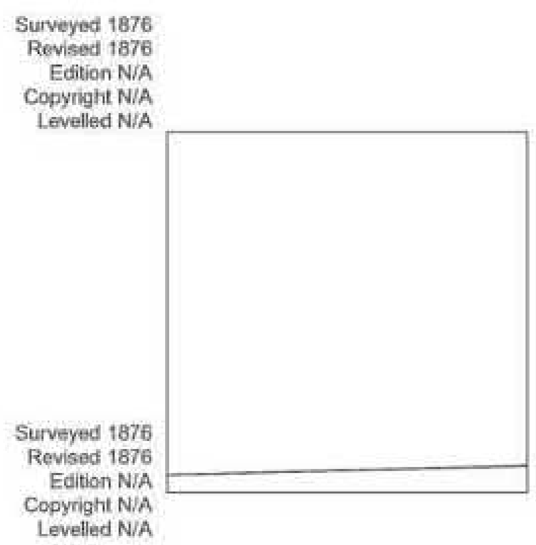

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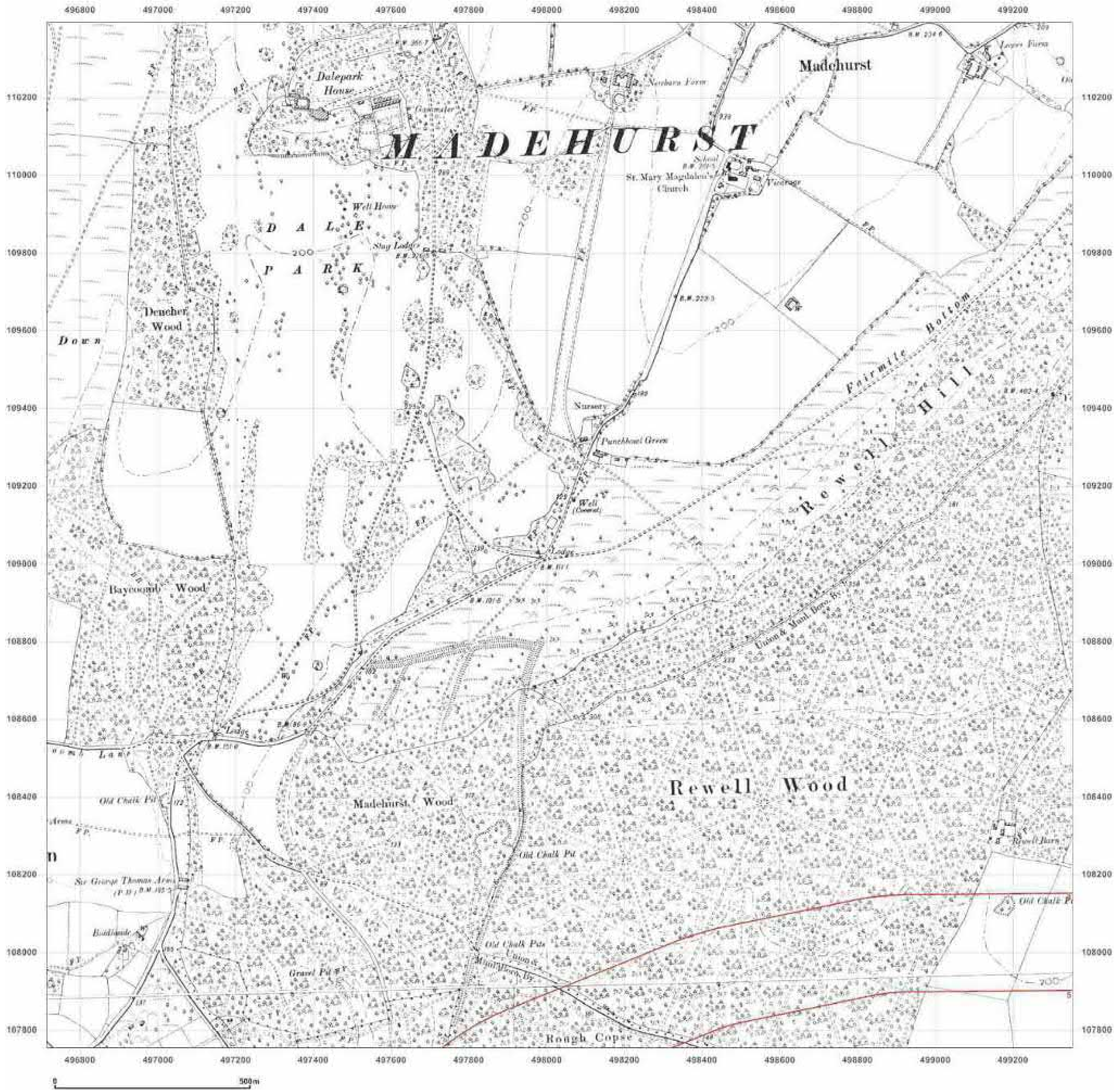
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

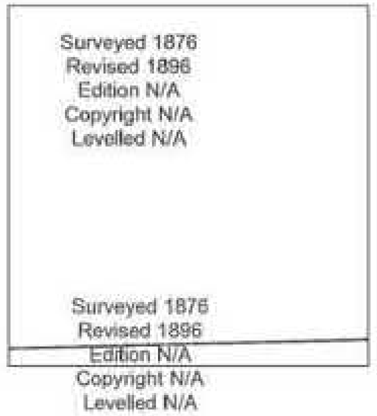
Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560



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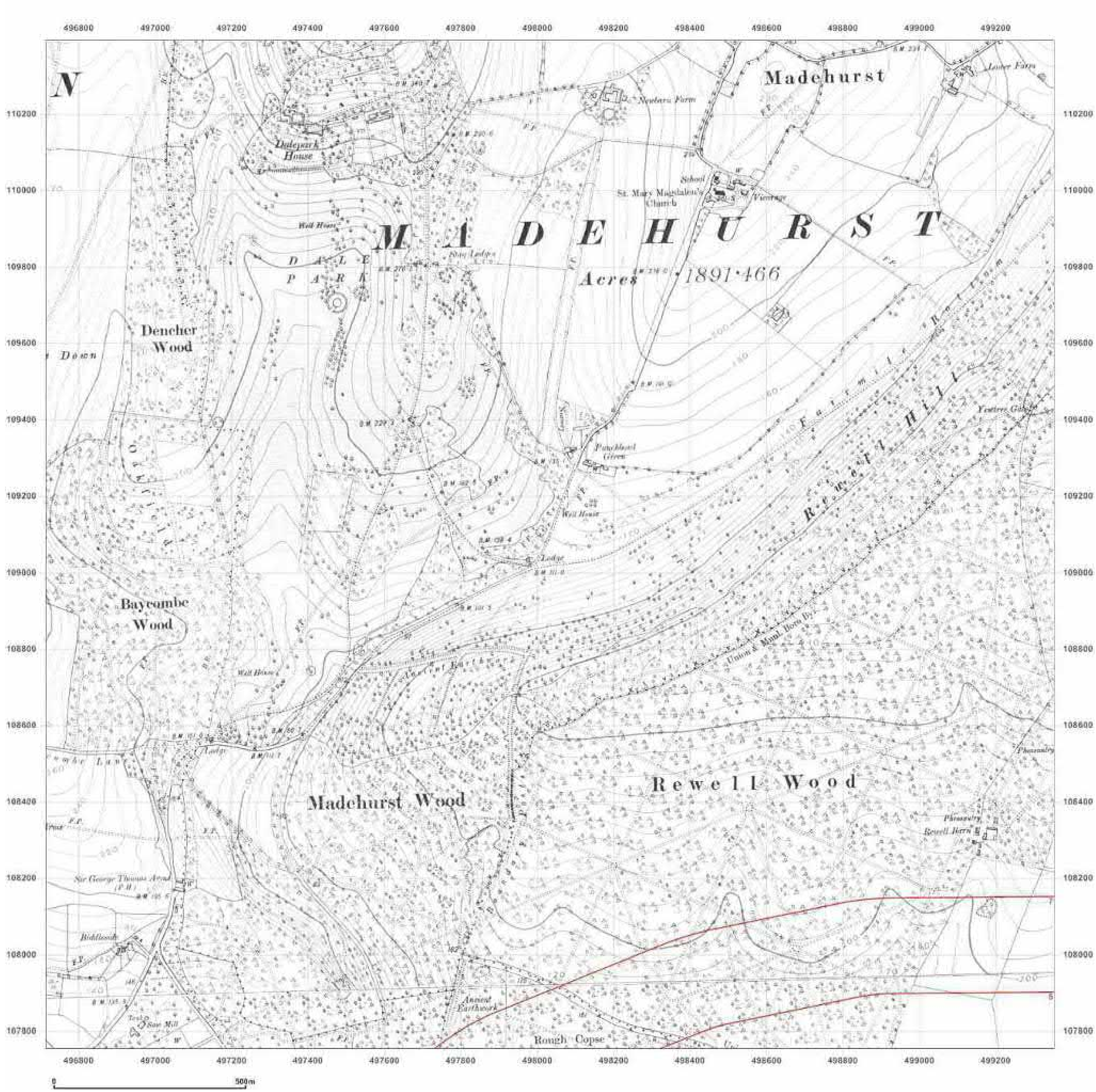
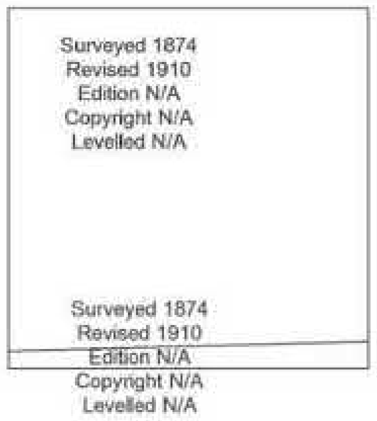
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*





Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560

N
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Ordnance Survey Licensed Partner

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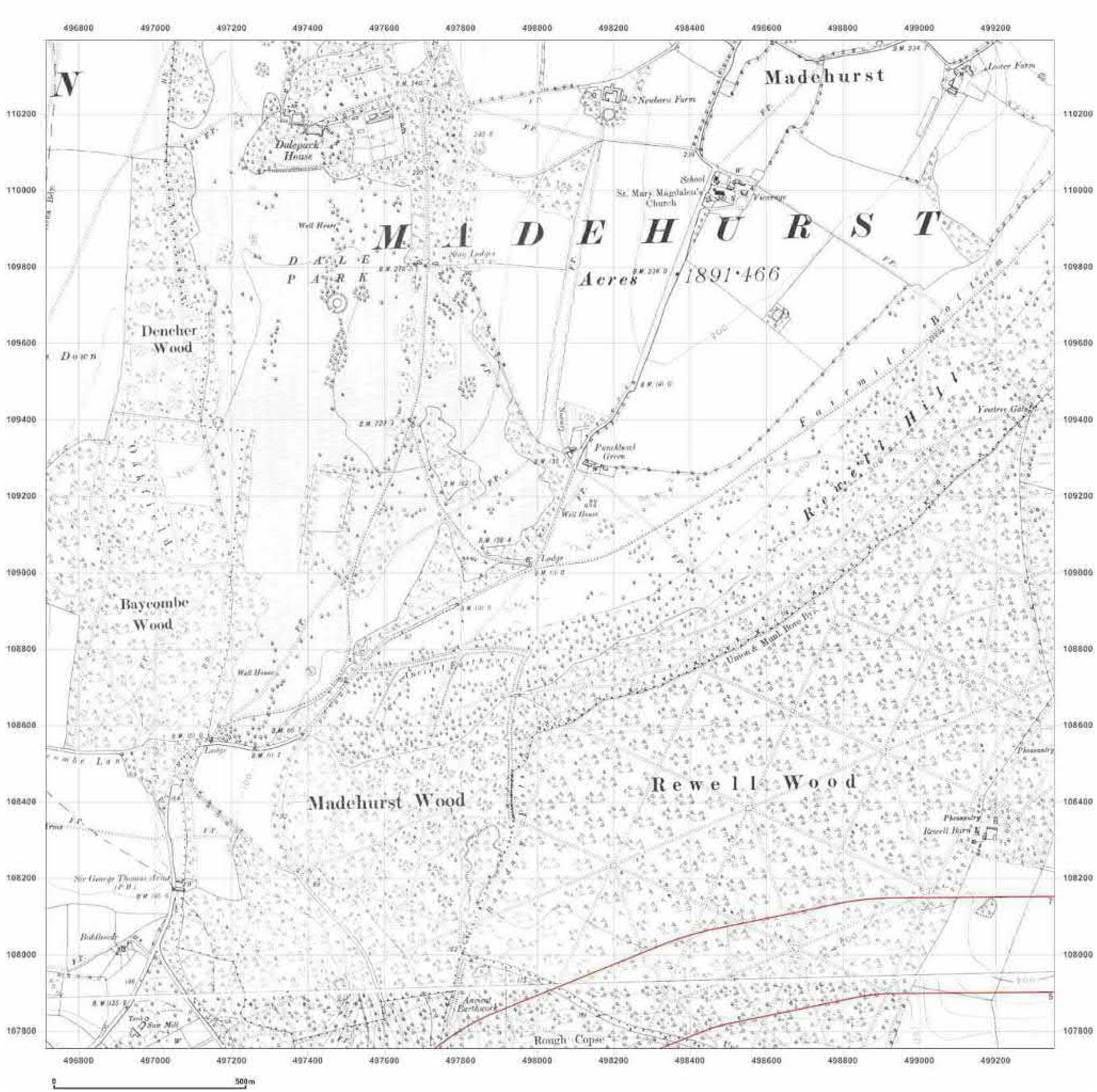
E: info@groundsure.com
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: County Series

Map date: **1910-1914**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1874
Revised 1914
Edition 1914
Copyright N/A
Levelled N/A

Surveyed 1874
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

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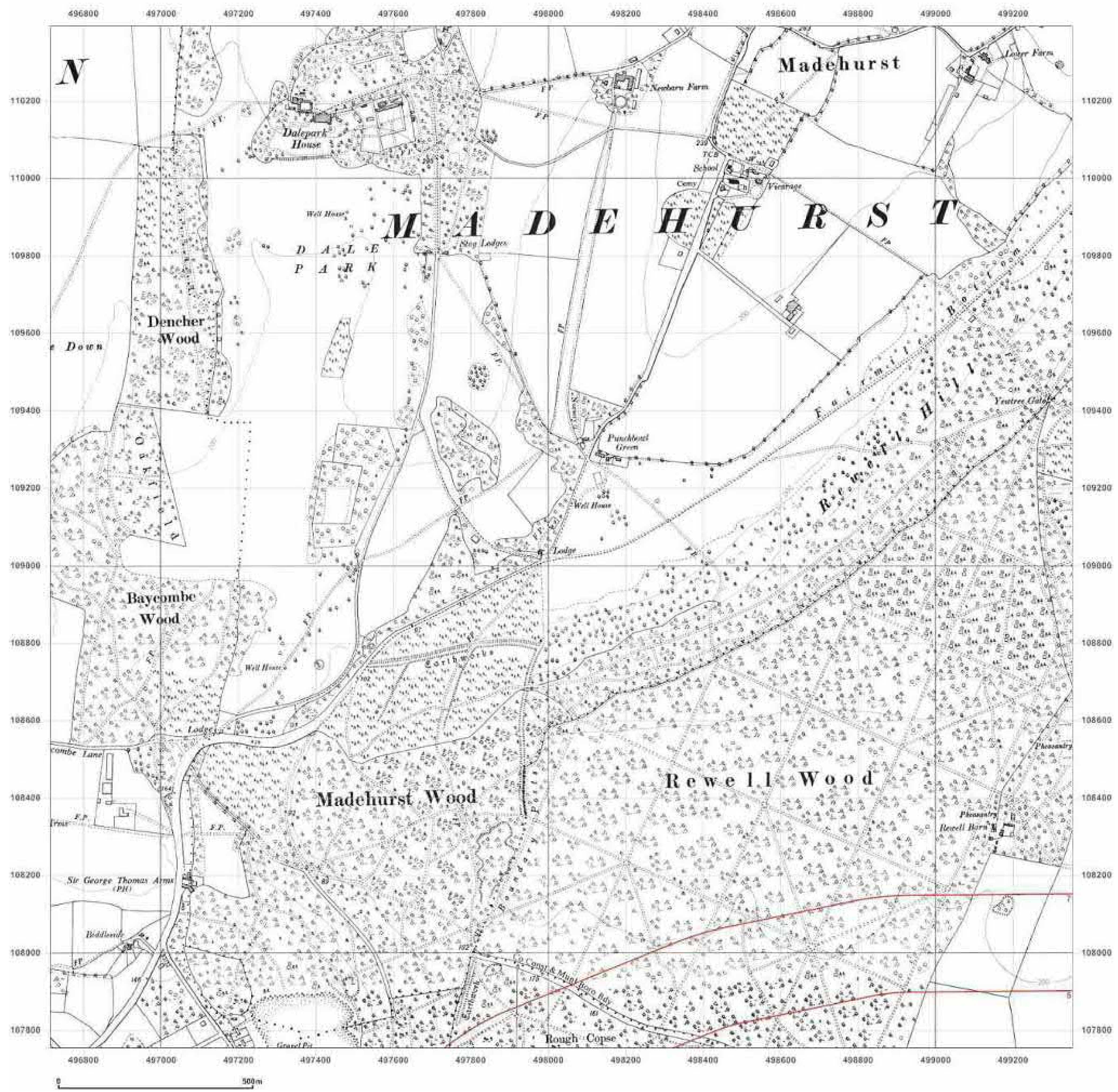
Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: Provisional

Map date: **1957-1961**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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

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Production date: 29 April 2015

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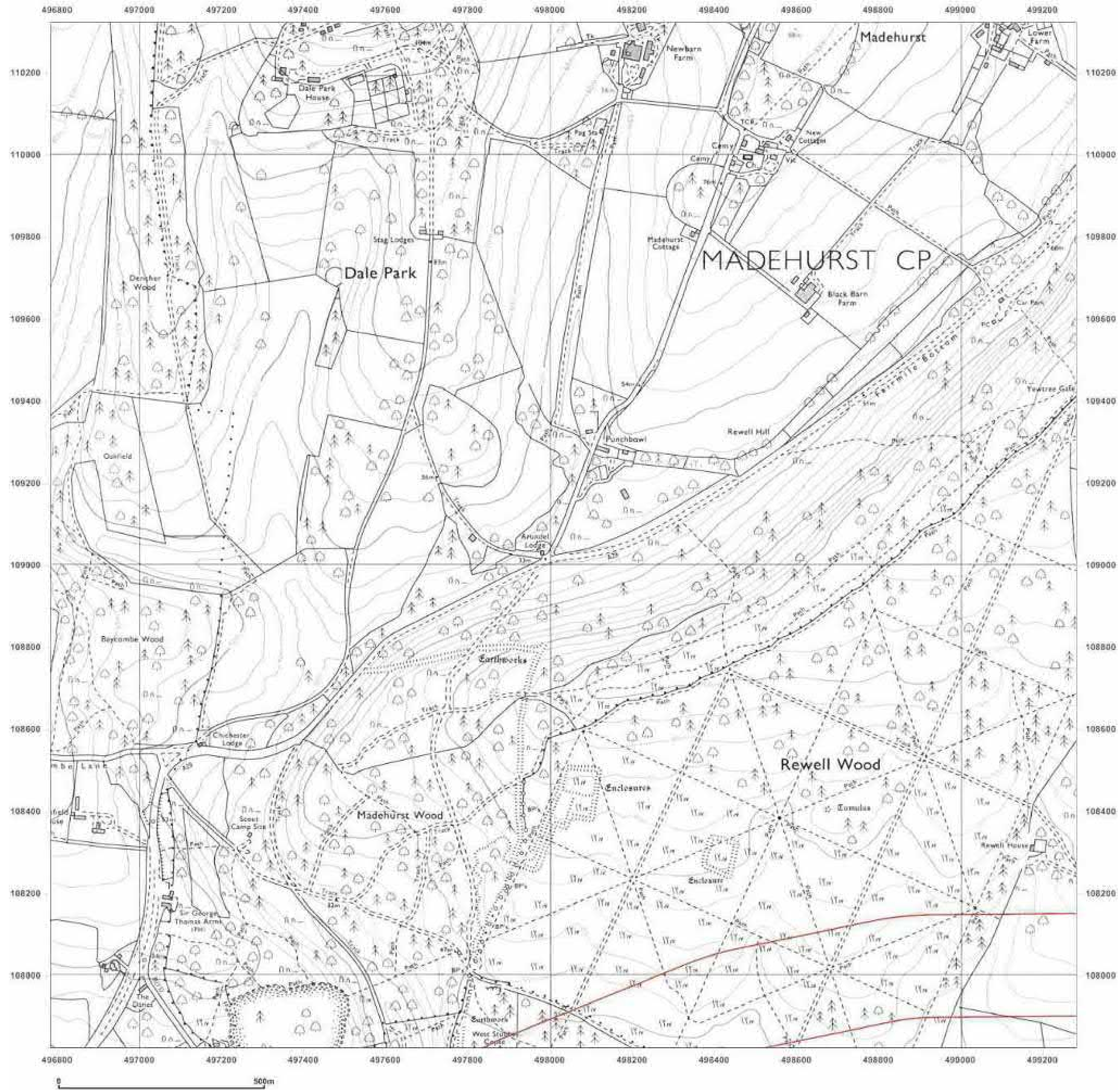

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: National Grid

Map date: **1977-1981**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1977
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1974
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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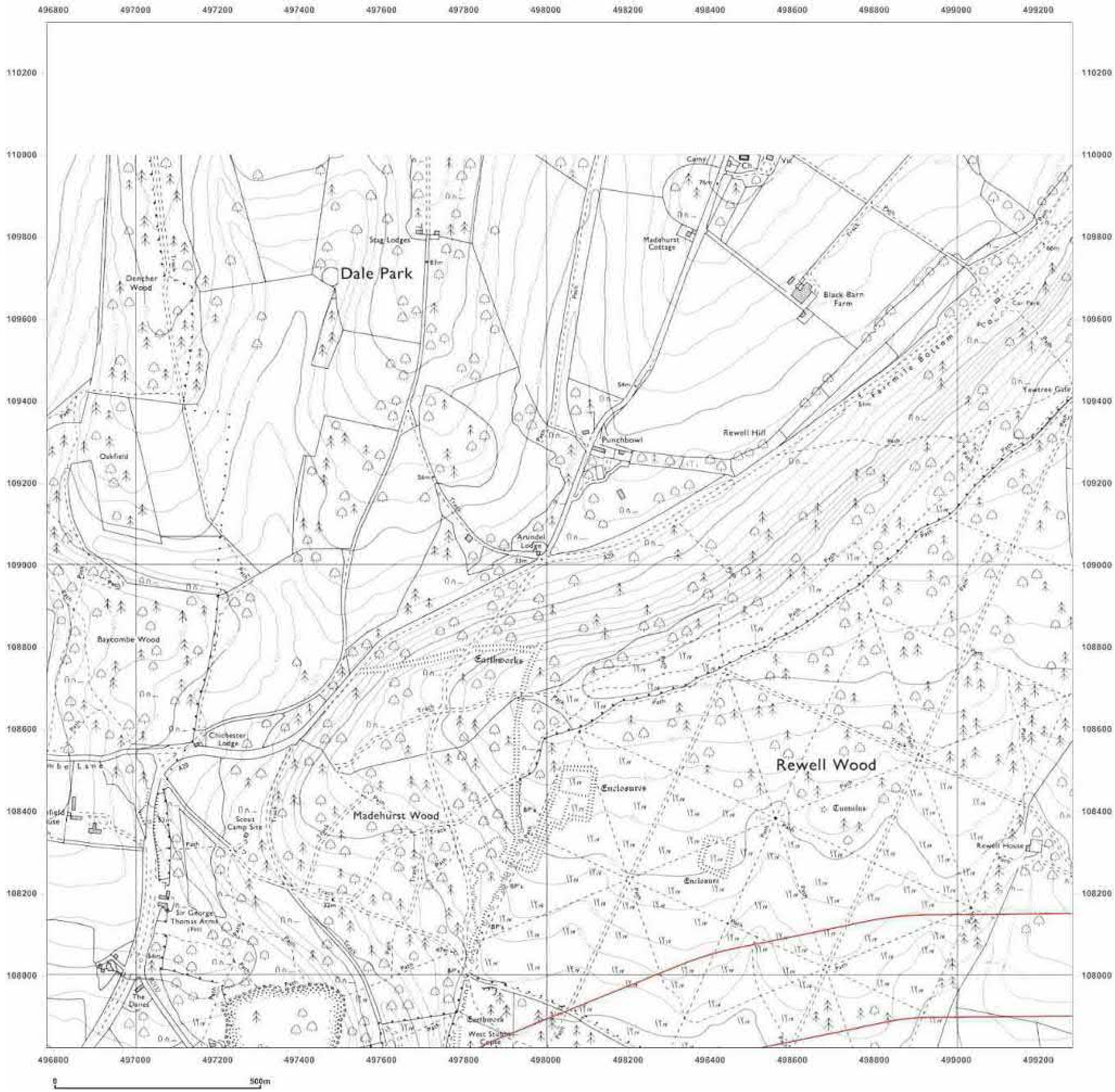

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: National Grid

Map date: **1990**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

To view map legend click here *Legend*

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
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2002

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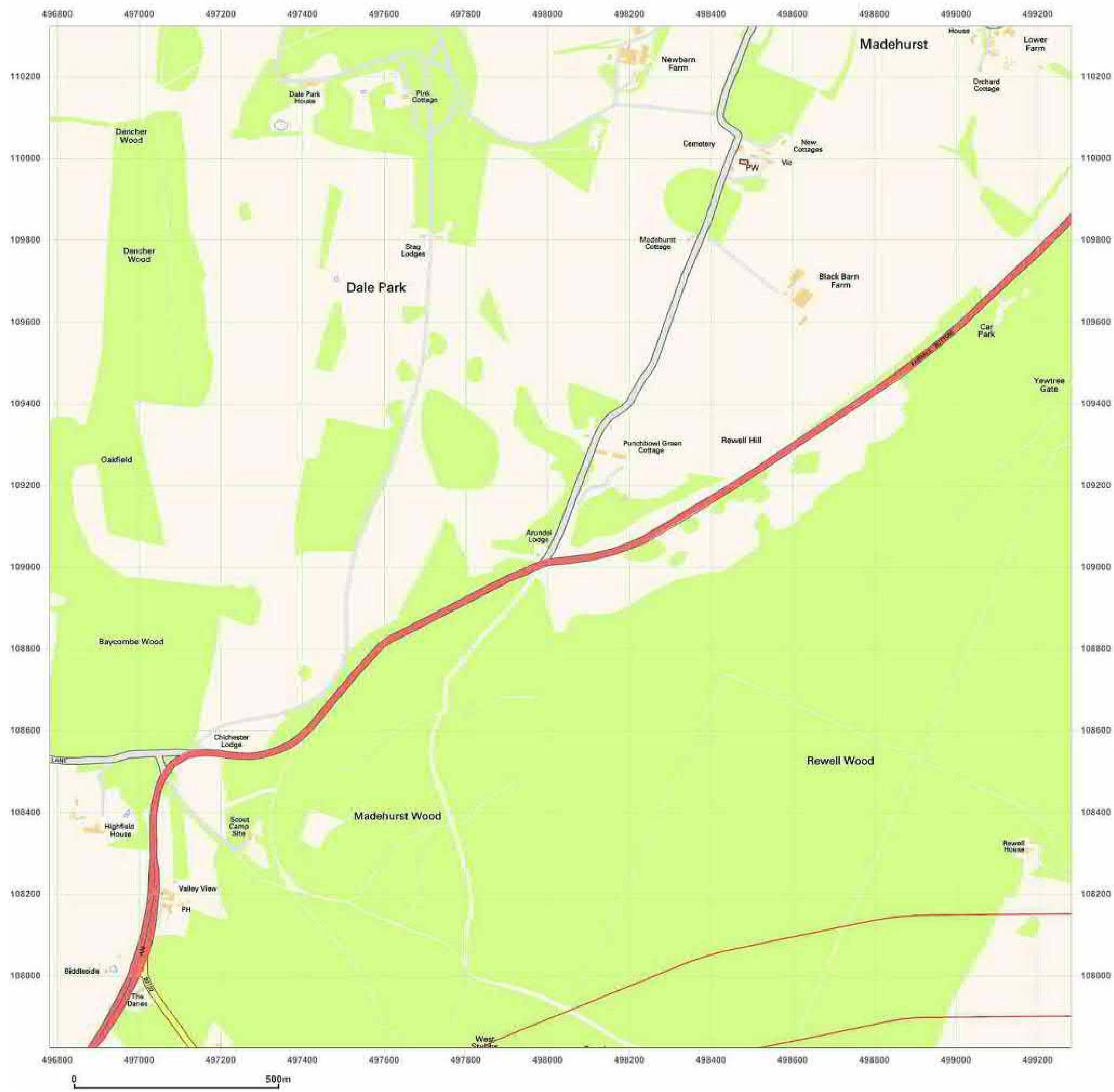
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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Production date: 29 April 2015

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Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_2_3
Grid Ref: 498032, 109073

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
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2014

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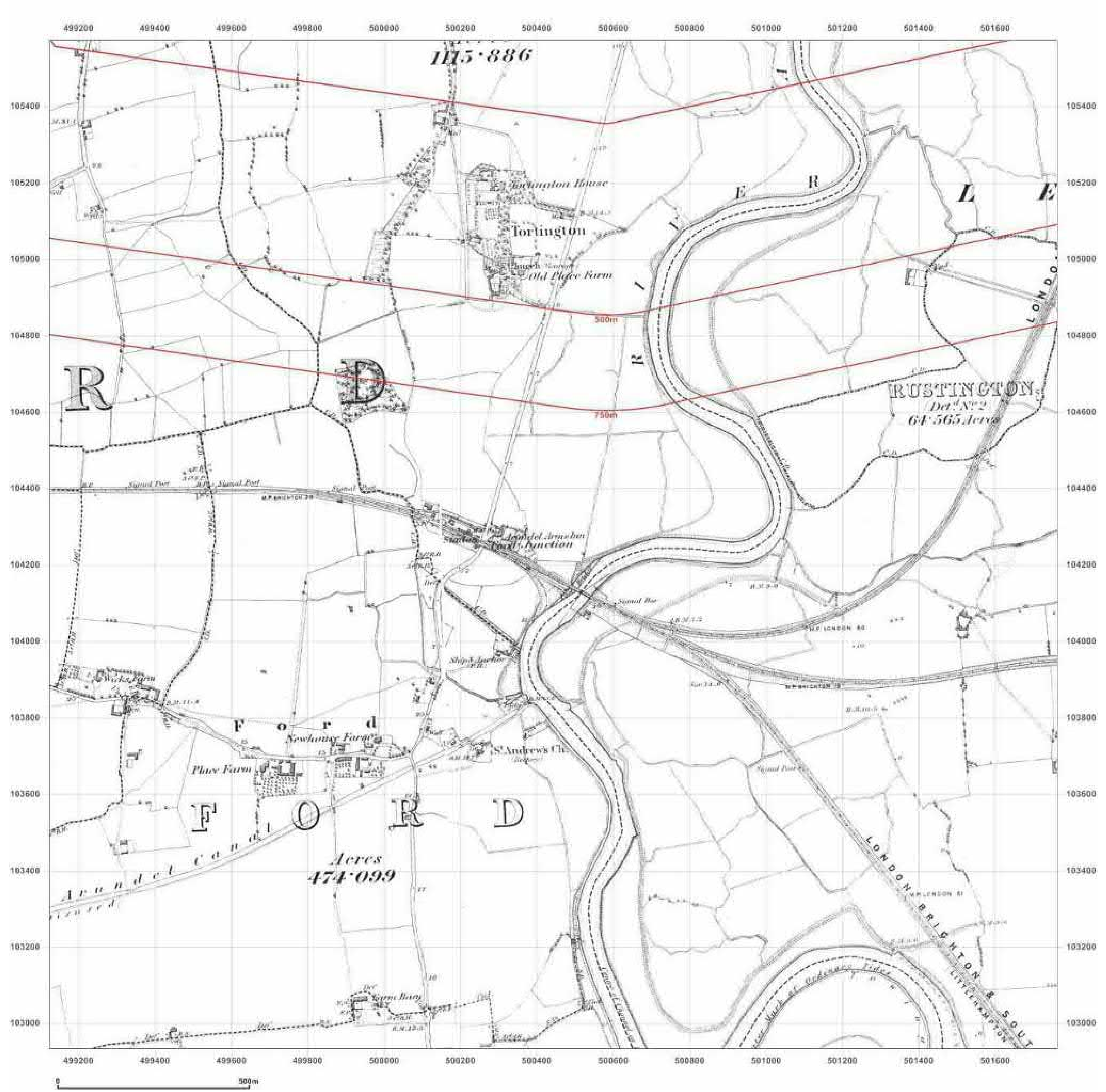
Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
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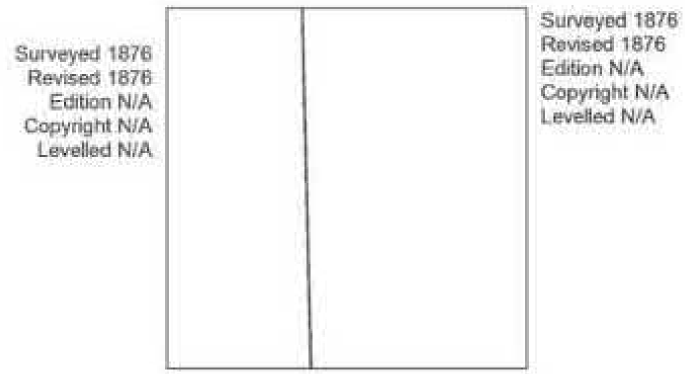

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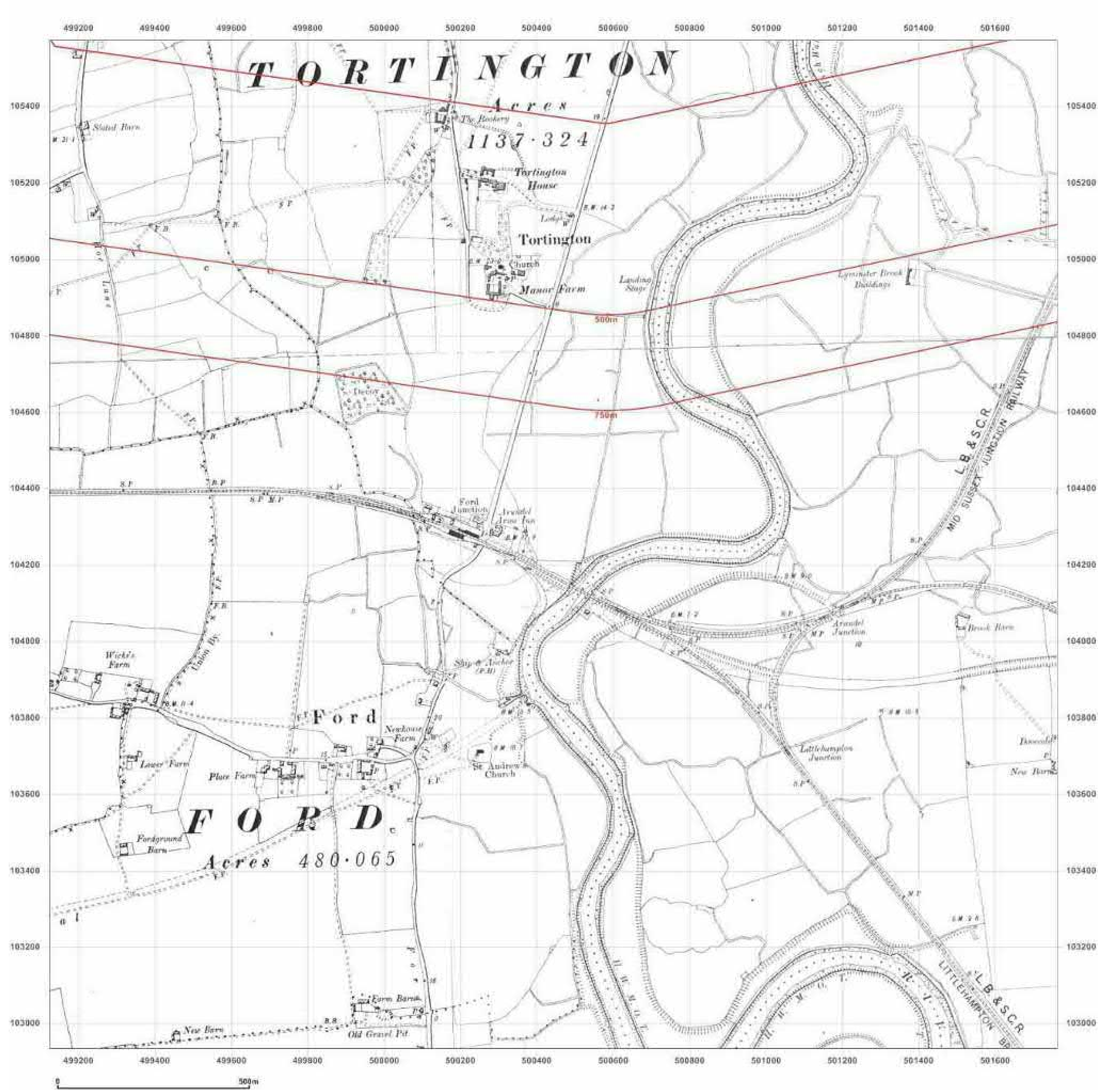
Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N W E S

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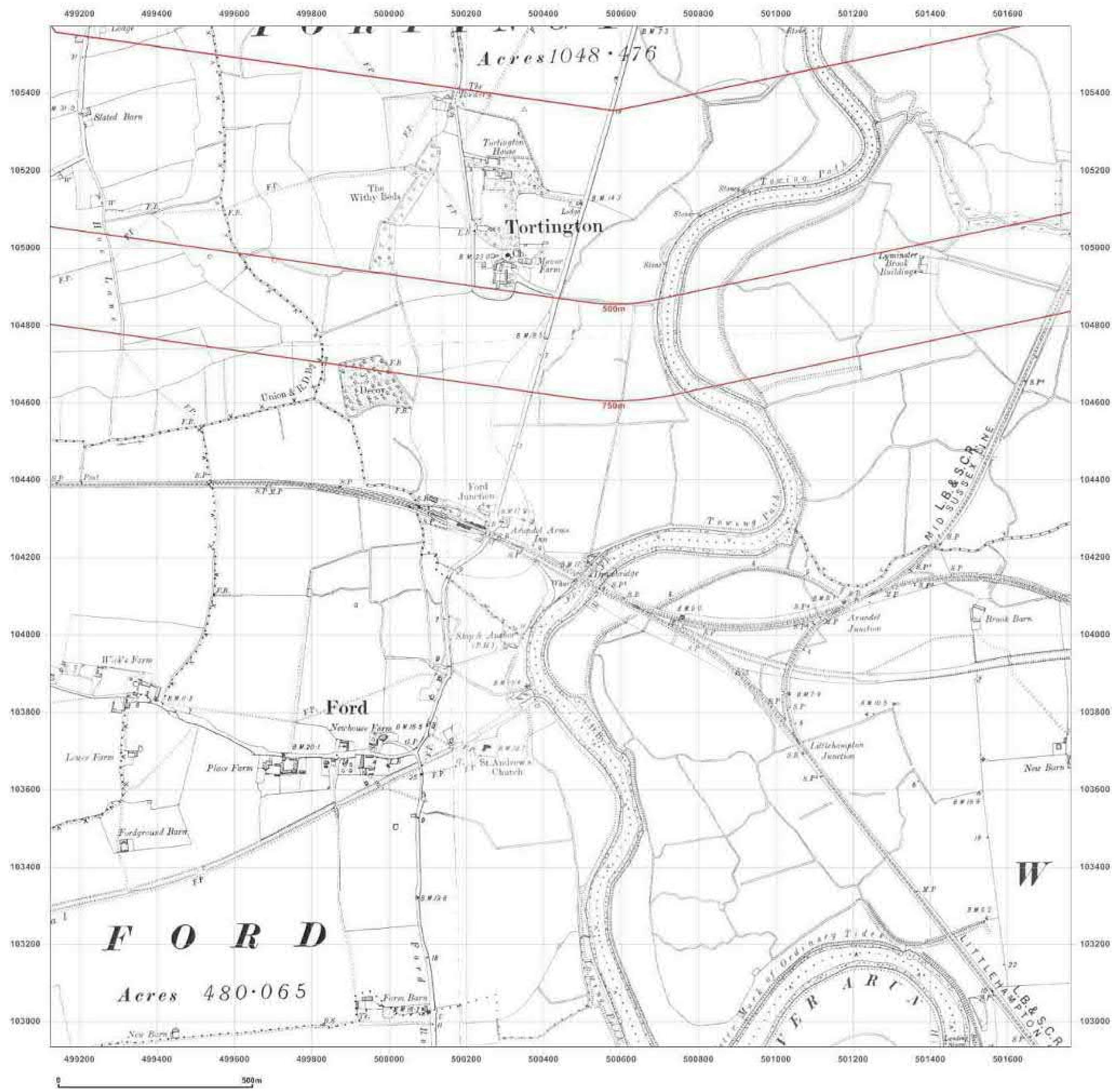
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: County Series

Map date: **1910**

Scale: 1:10,560

Printed at: 1:10,560

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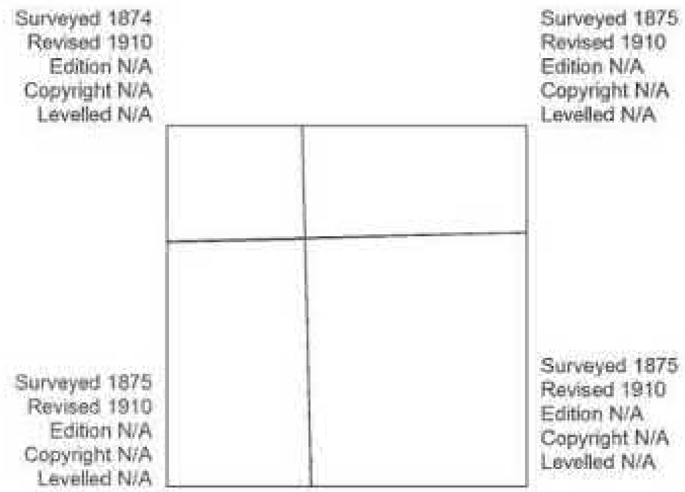

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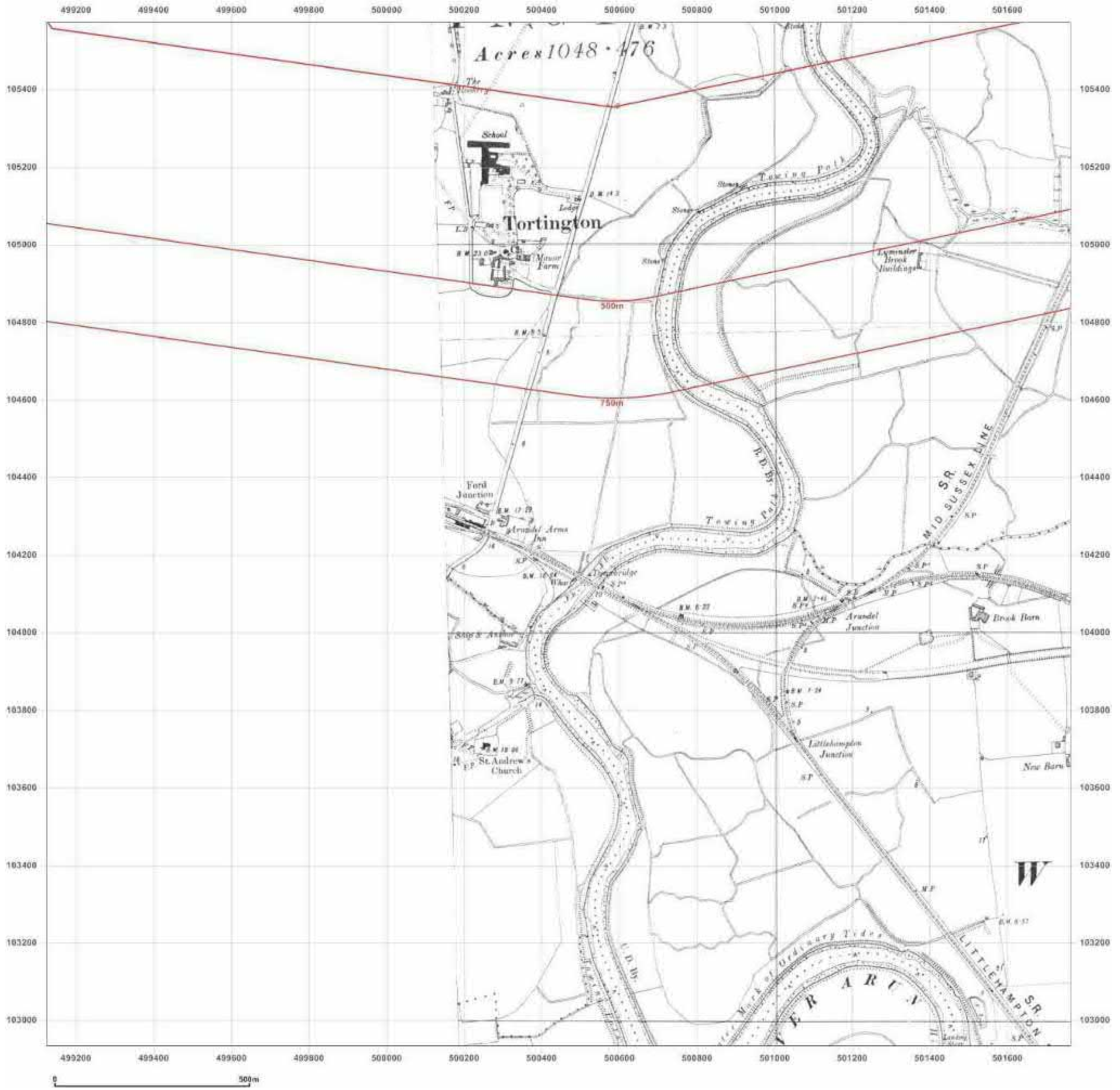
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

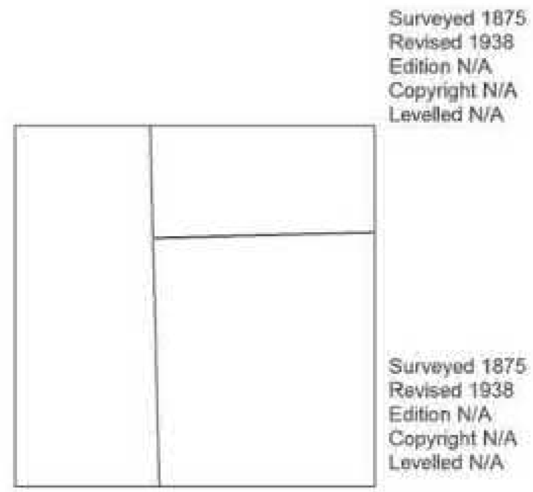
Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: County Series

Map date: **1946-1950**

Scale: 1:10,560

Printed at: 1:10,560

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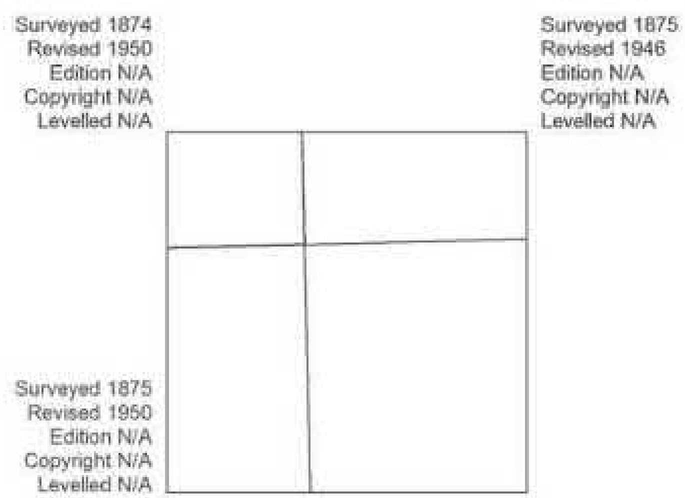

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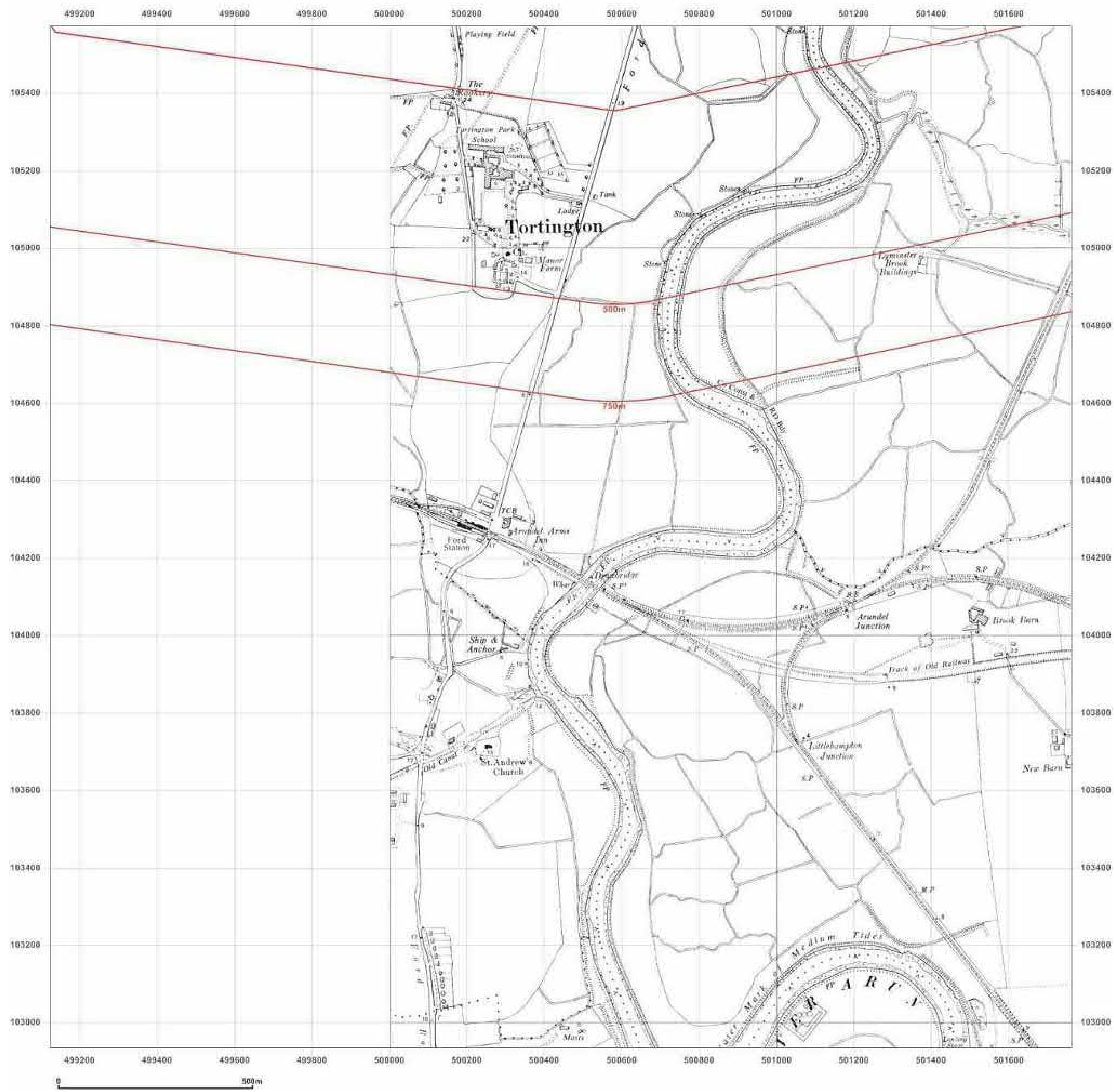
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: Provisional

Map date: **1957**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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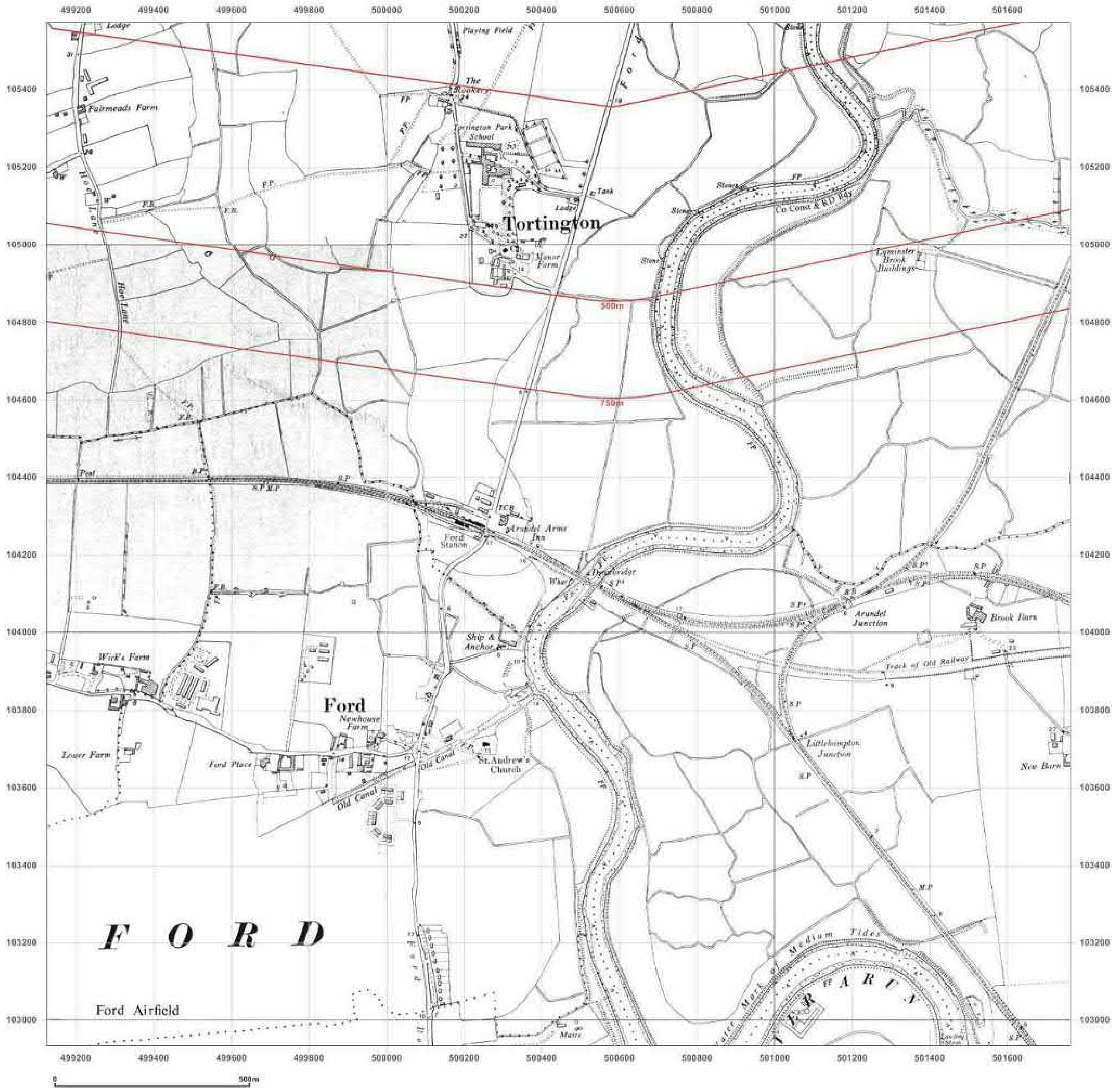

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: Provisional

Map date: **1957-1961**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1875
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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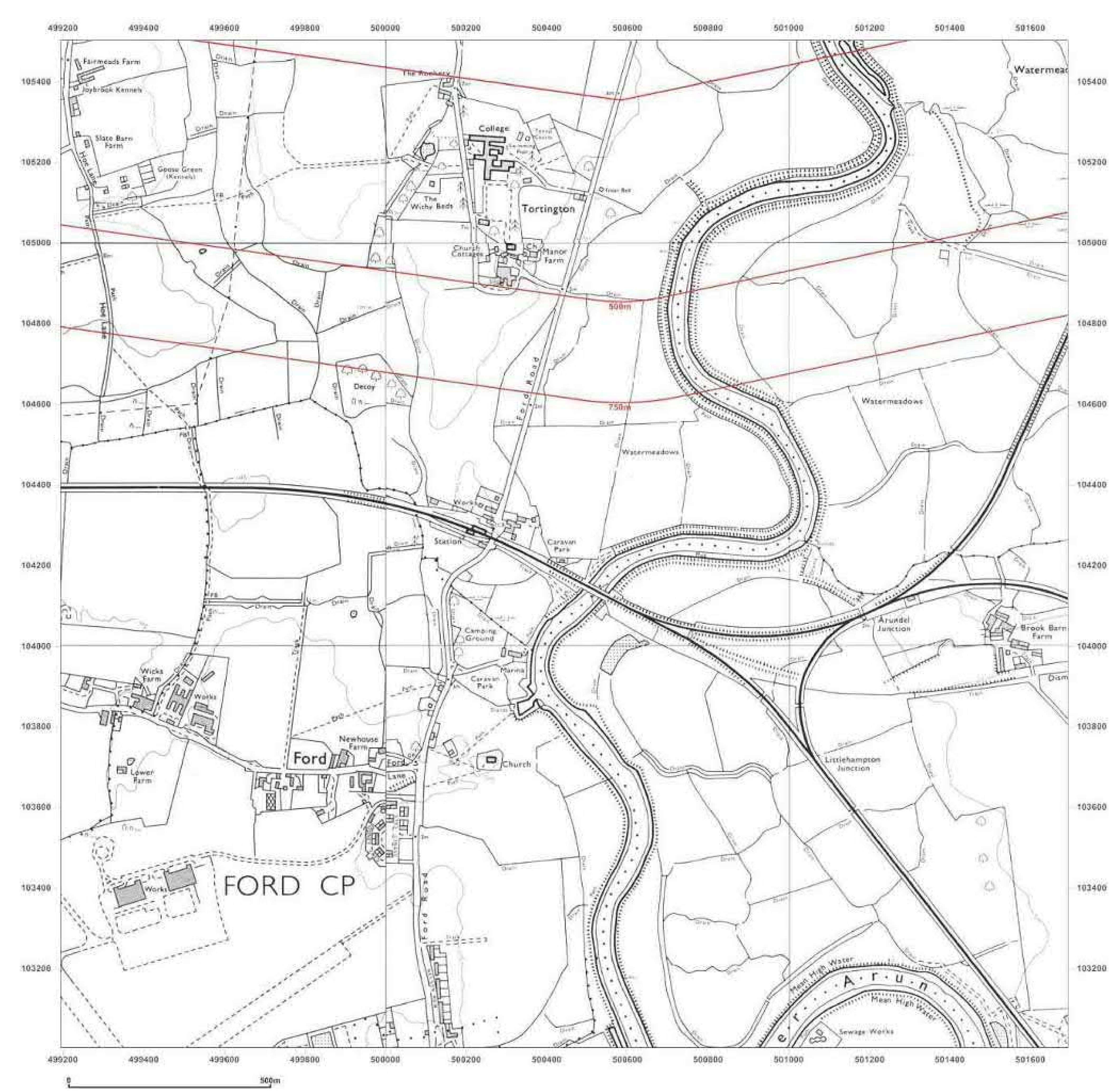
Production date: 29 April 2015

To view map legend click here Legend



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: National Grid

Map date: **1974-1978**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974 Revised 1977 Edition N/A Copyright N/A Levelled N/A		Surveyed 1972 Revised 1974 Edition N/A Copyright N/A Levelled N/A
Surveyed 1978 Revised 1978 Edition N/A Copyright N/A Levelled N/A		Surveyed 1973 Revised 1974 Edition N/A Copyright N/A Levelled N/A

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Production date: 29 April 2015

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Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: National Grid

Map date: **1981**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

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

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Production date: 29 April 2015

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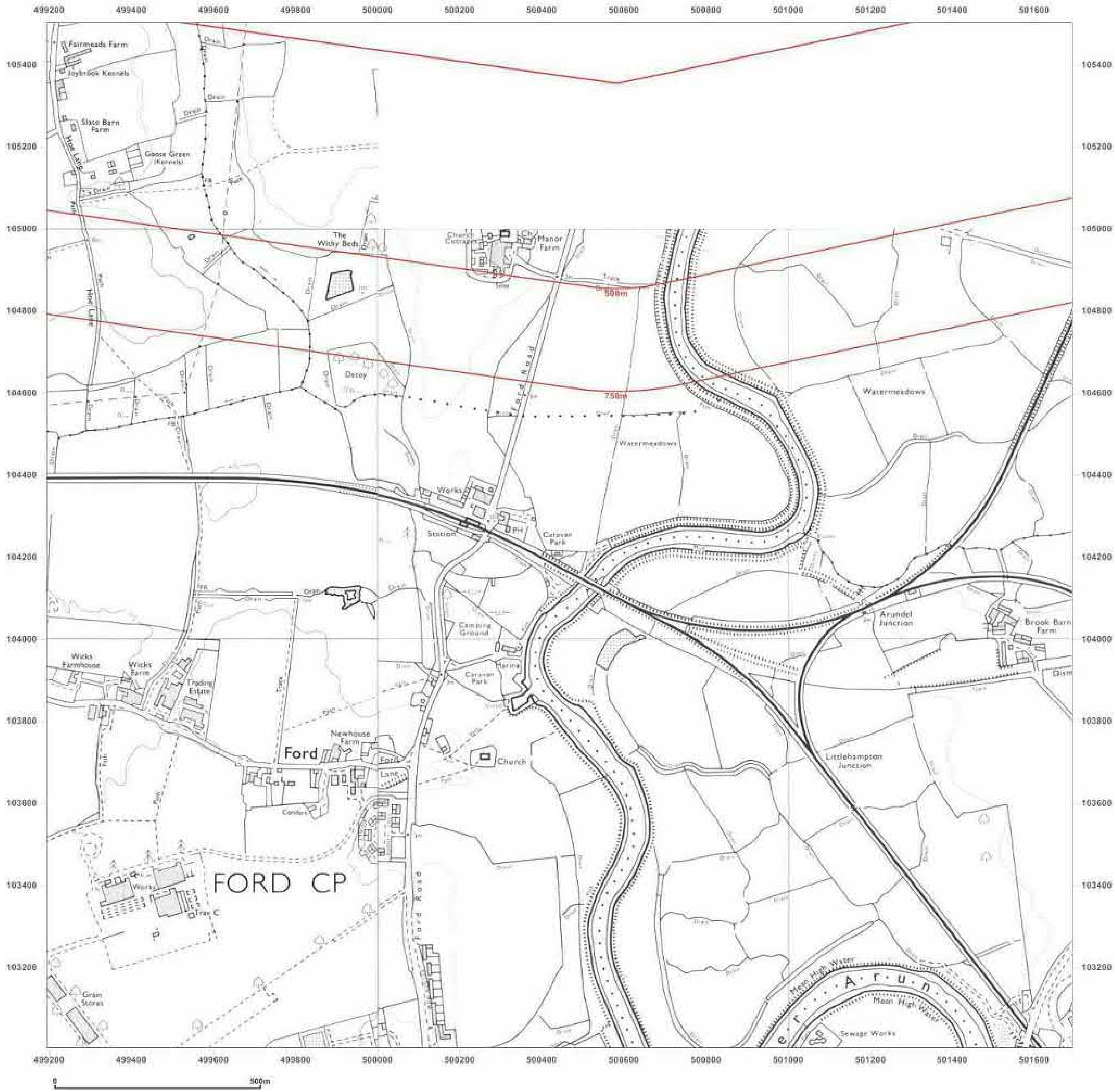

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: National Grid

Map date: 1990-1992

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1974
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1981
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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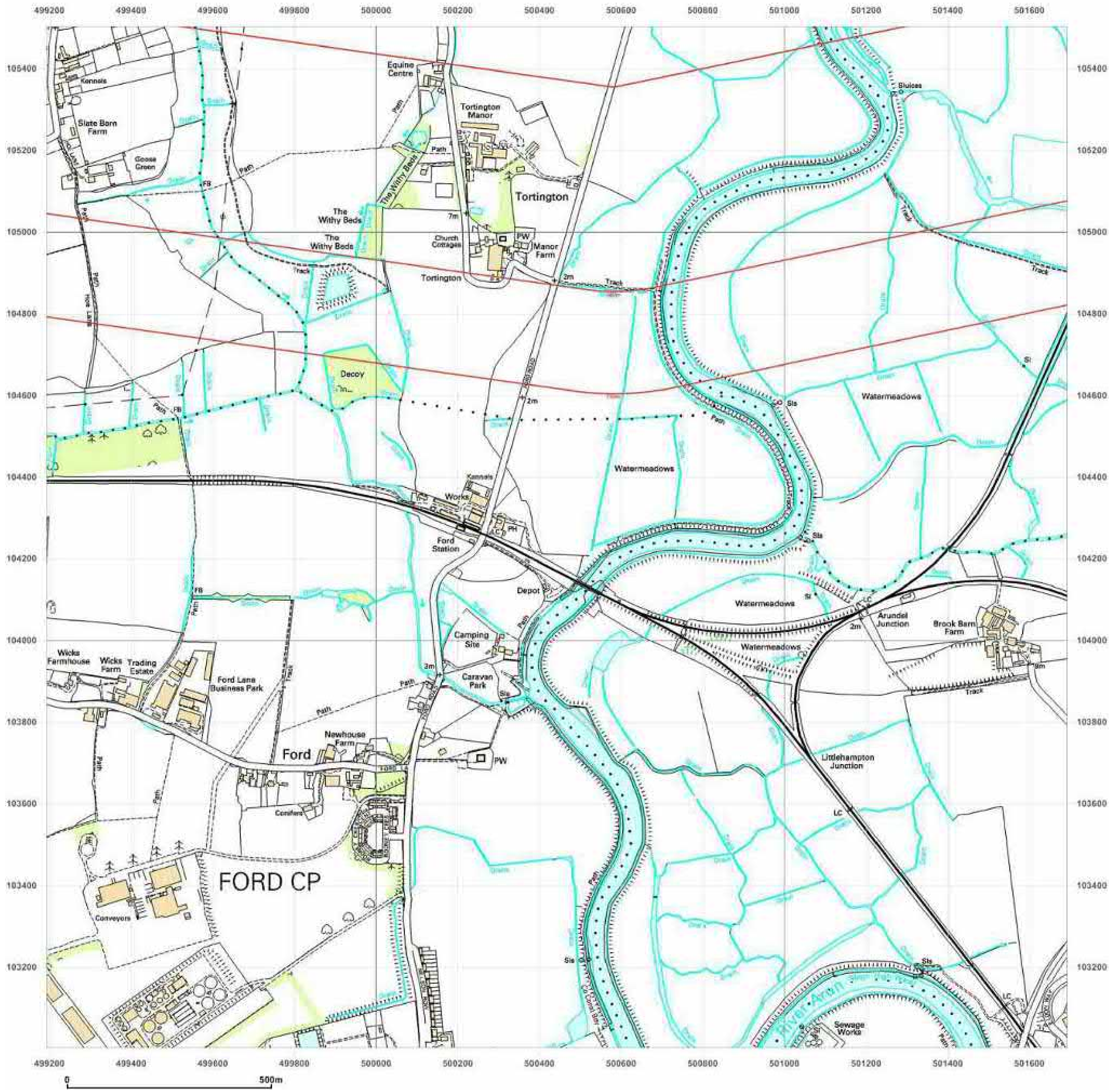

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
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2002

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Production date: 29 April 2015

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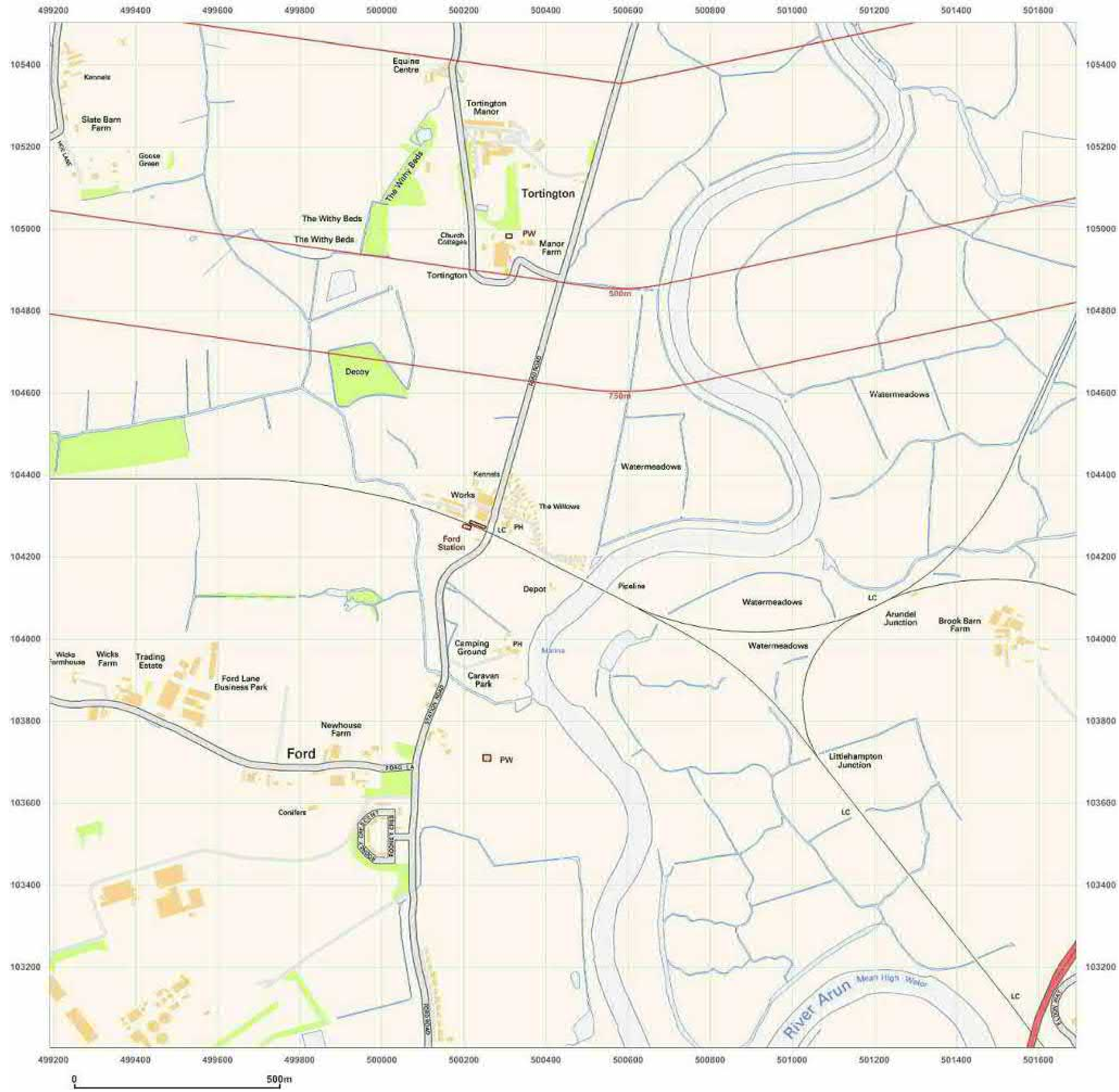

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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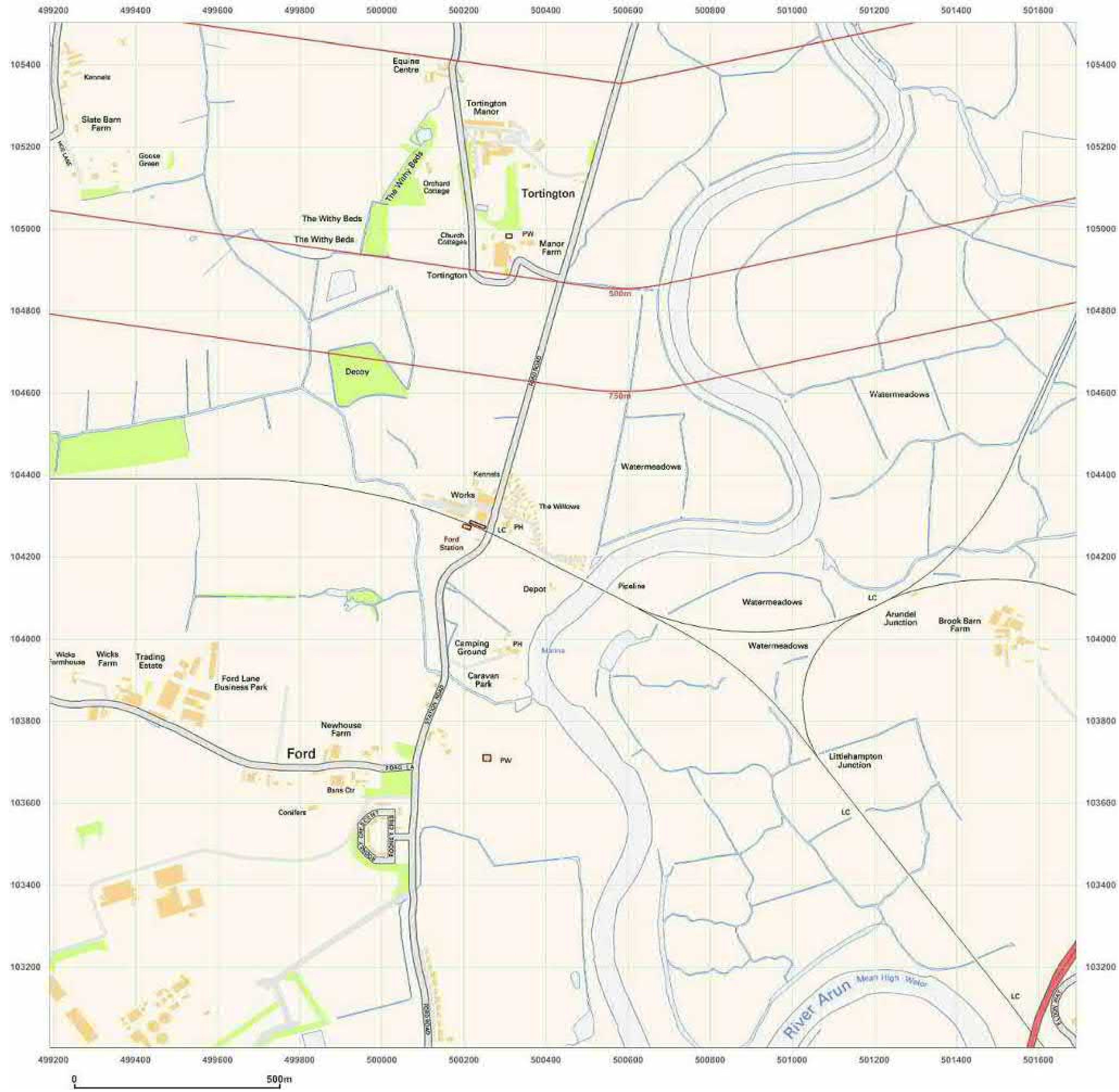

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_1
Grid Ref: 500442, 104253

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

2014

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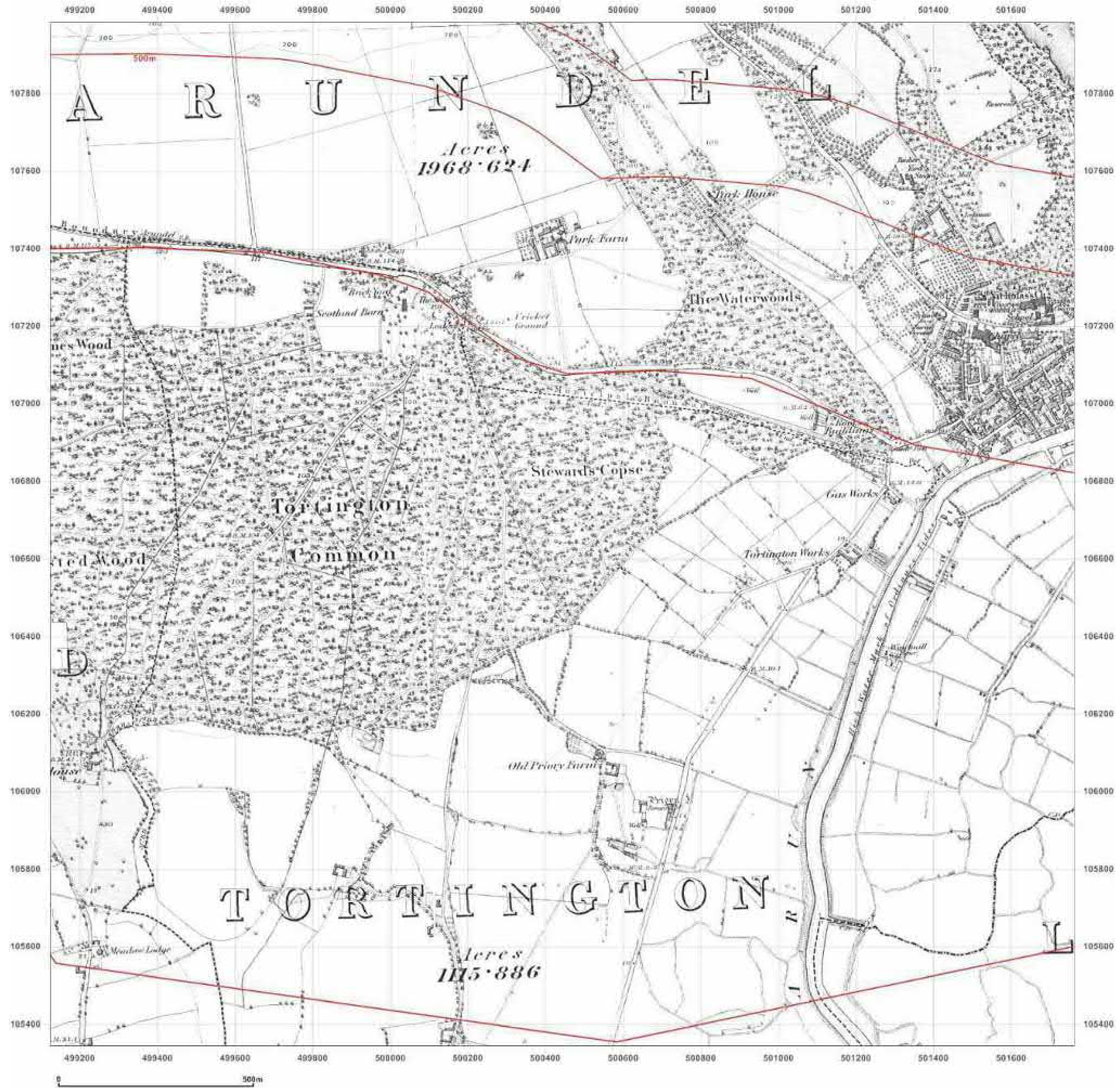

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: County Series

Map date: 1876

Scale: 1:10,560

Printed at: 1:10,560

N
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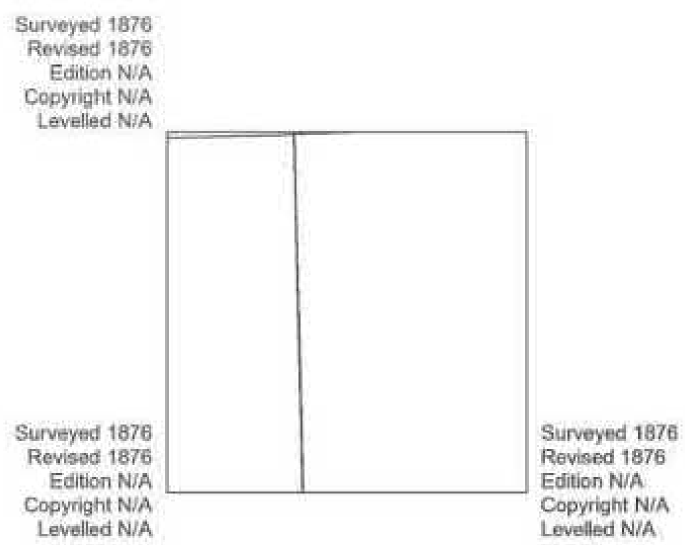

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Production date: 29 April 2015

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Groundsure
INSIGHTS

Site Details:

ARUNDEL

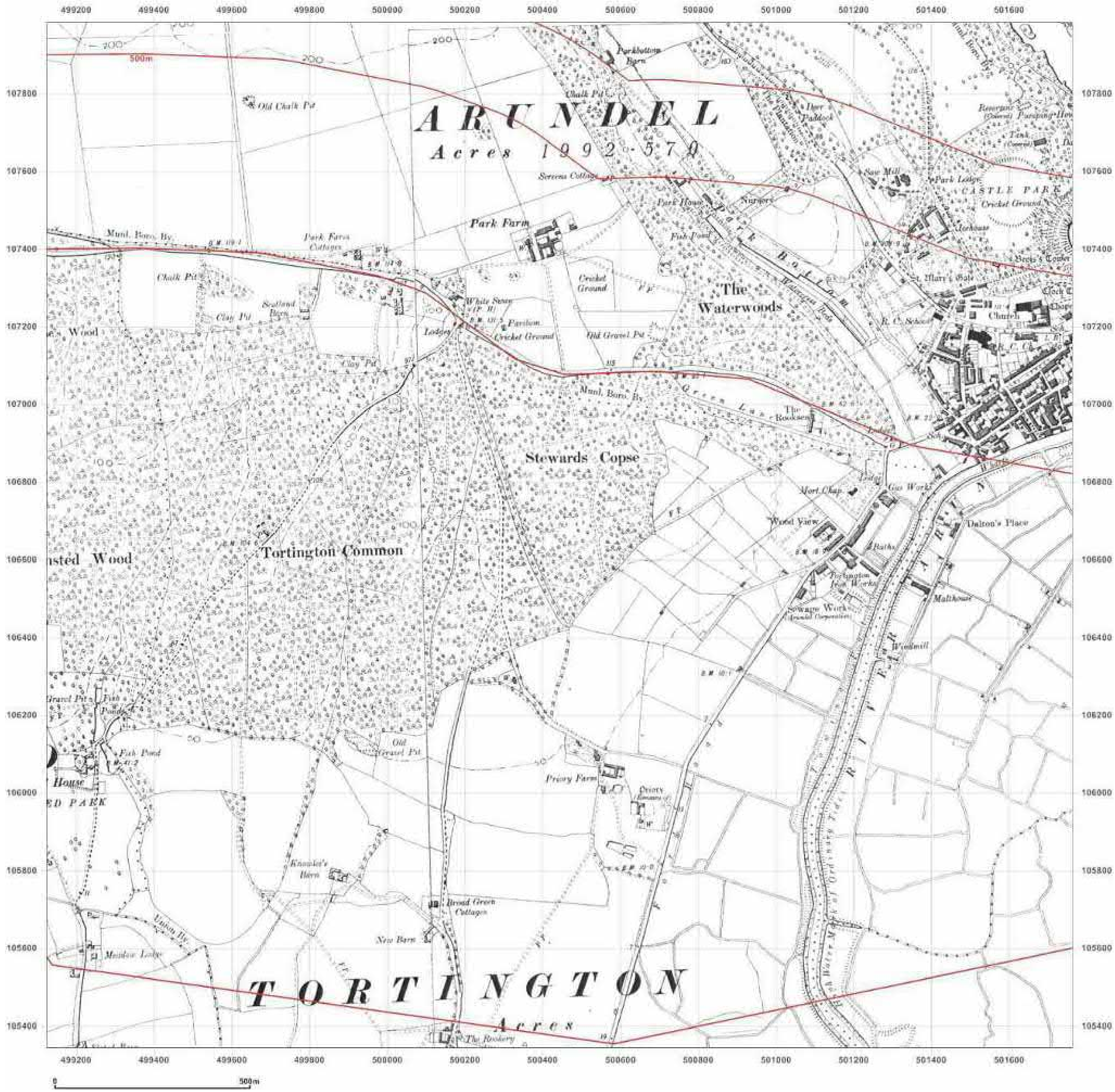
Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

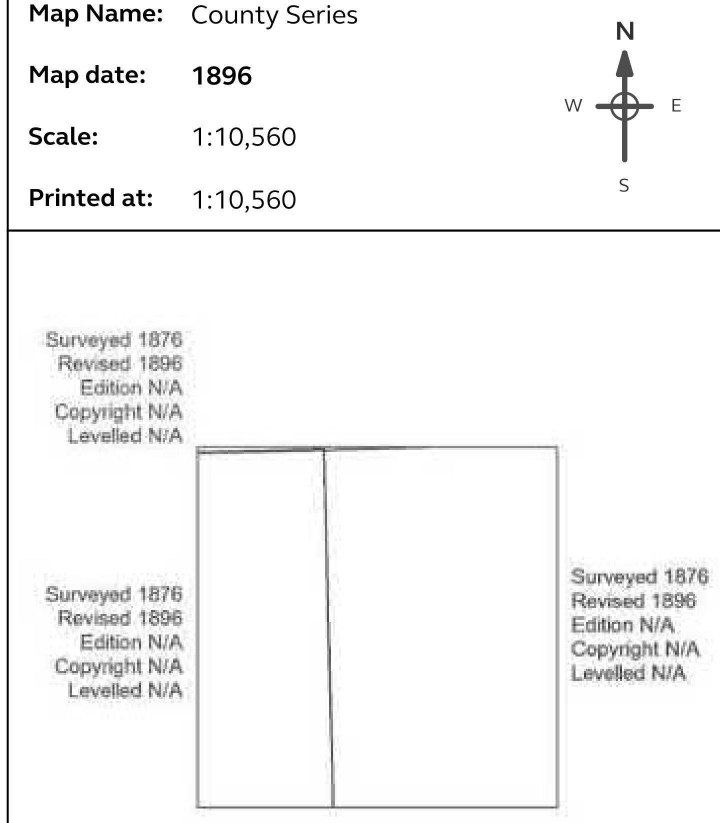
Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560





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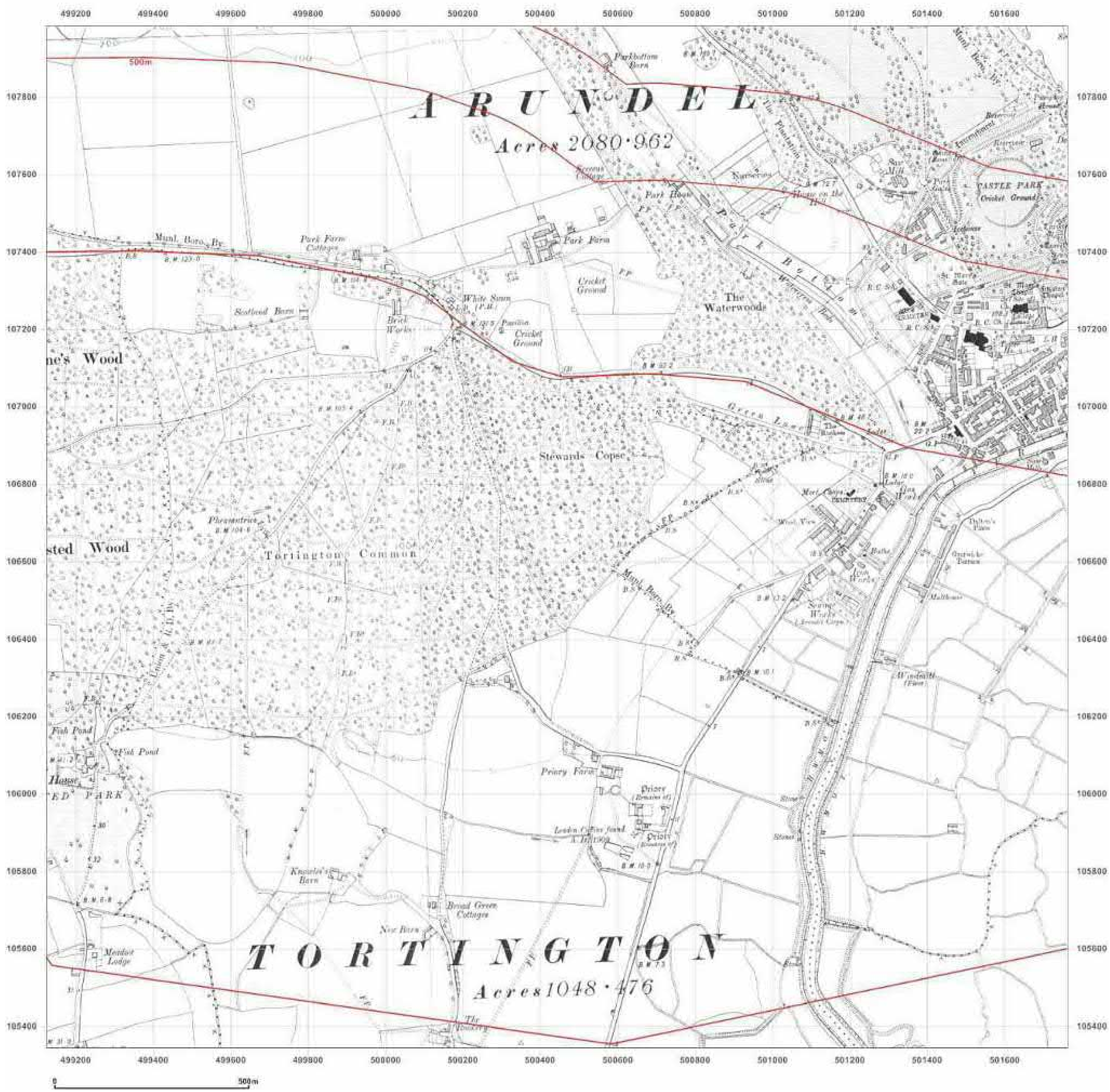
Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

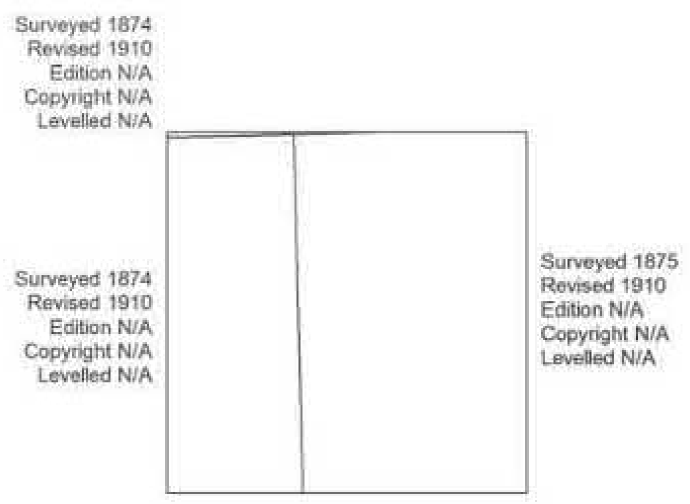
Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: County Series

Map date: 1910

Scale: 1:10,560

Printed at: 1:10,560



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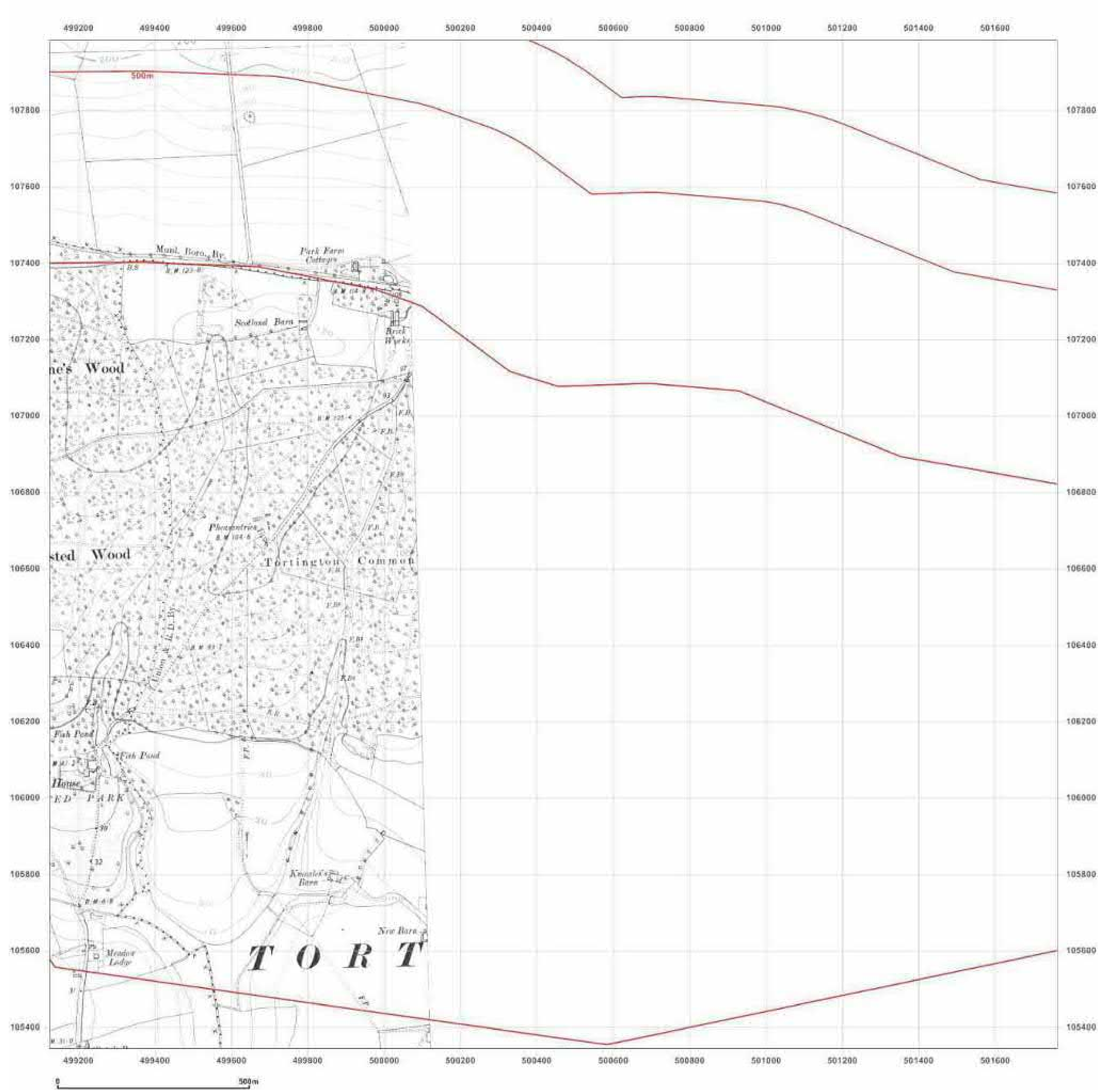
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

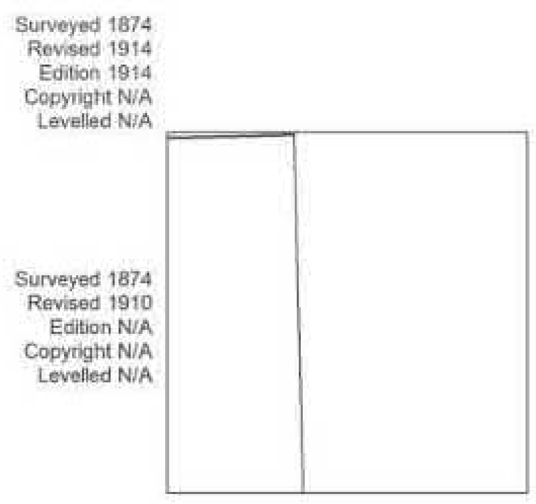
Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: County Series

Map date: **1910-1914**

Scale: 1:10,560

Printed at: 1:10,560



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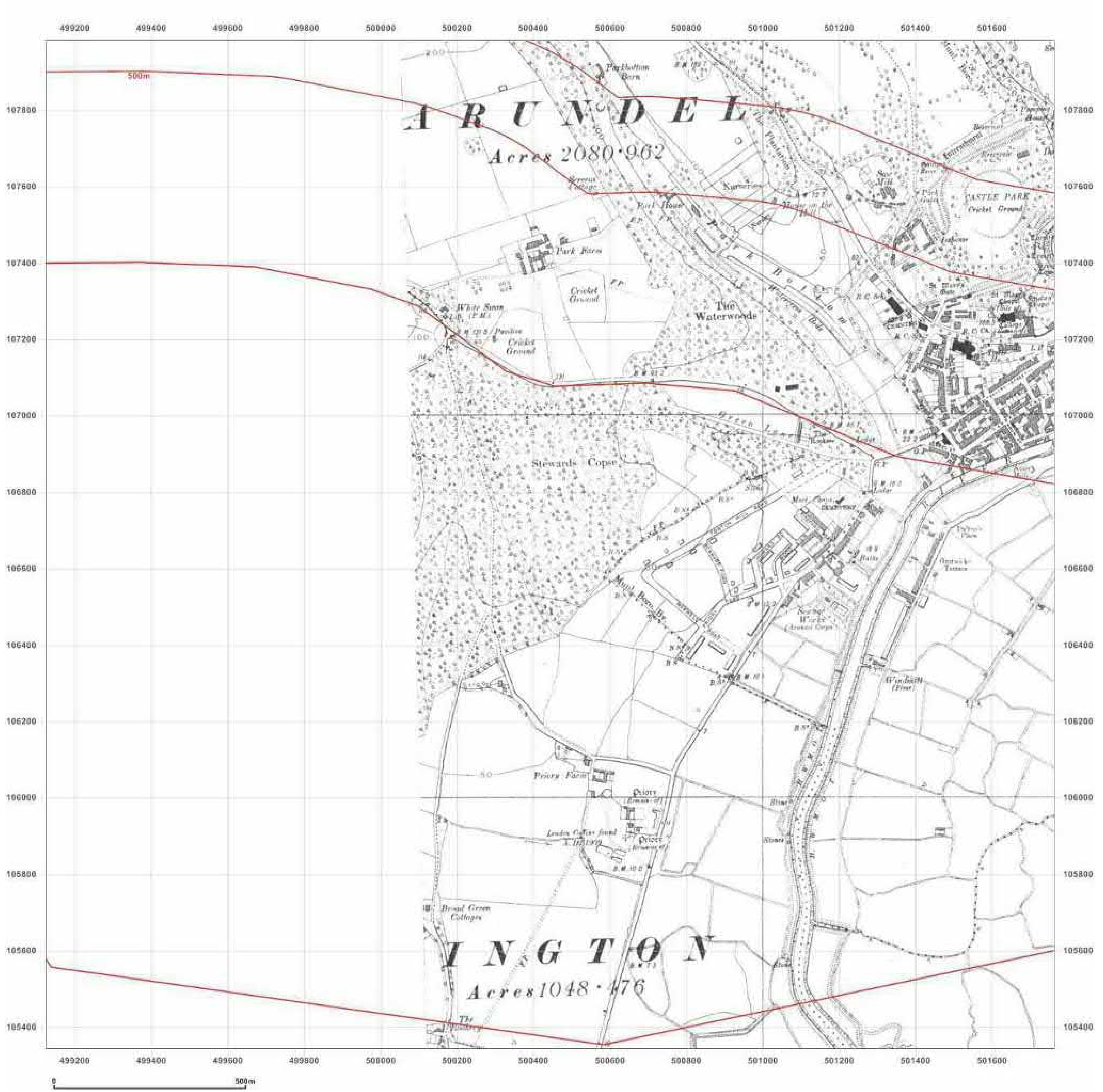
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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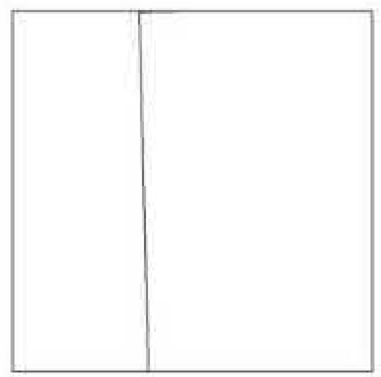

Surveyed 1875
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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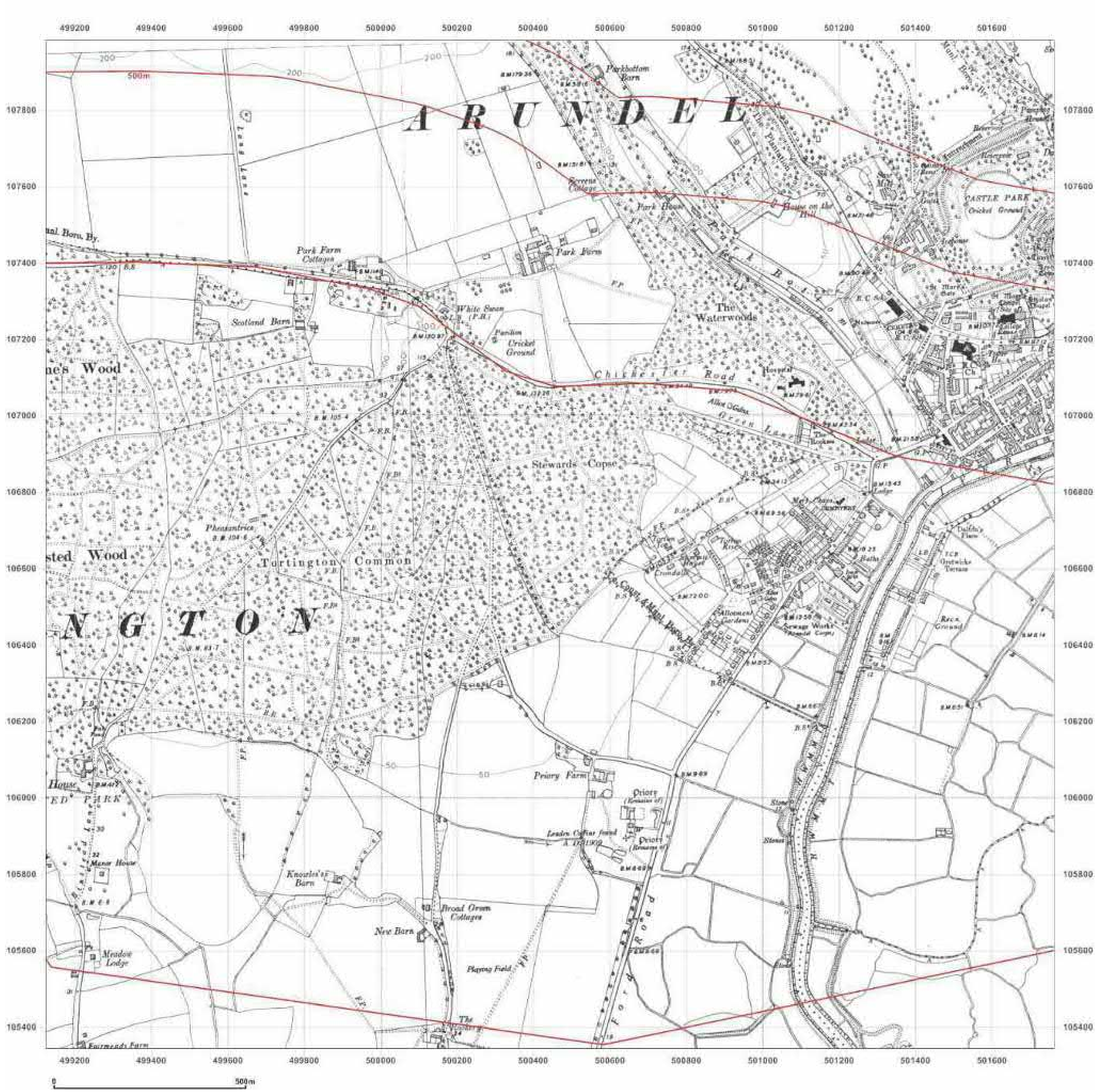
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



GROUNDSURE INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: County Series

Map date: 1946-1950

Scale: 1:10,560

Printed at: 1:10,560

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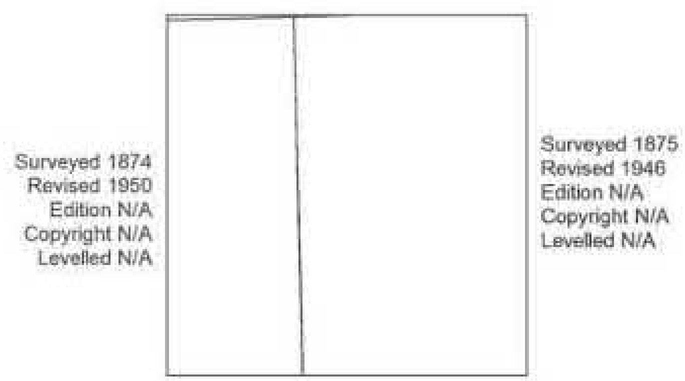

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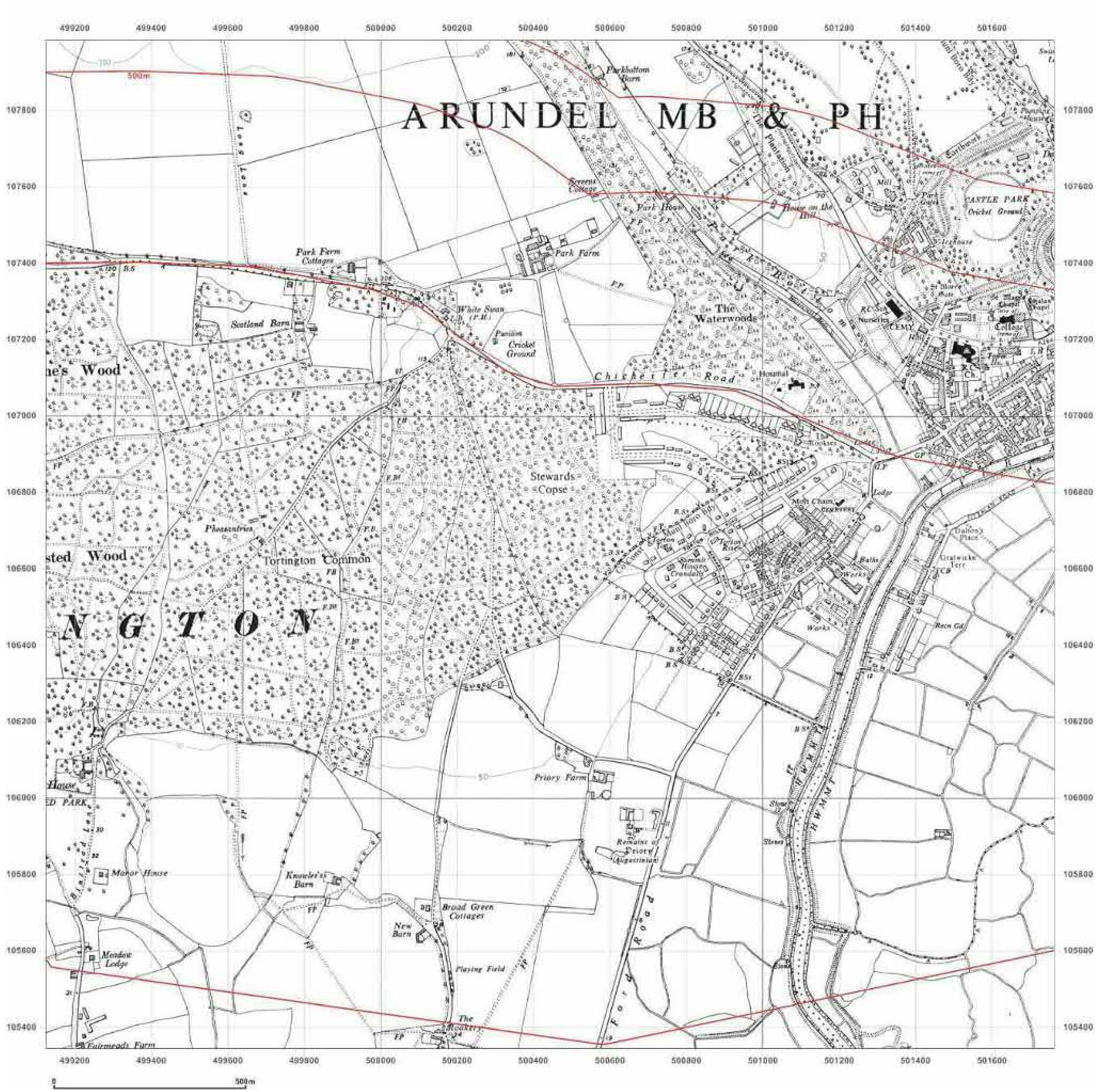
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: Provisional

Map date: **1957-1961**

Scale: 1:10,560

Printed at: 1:10,560

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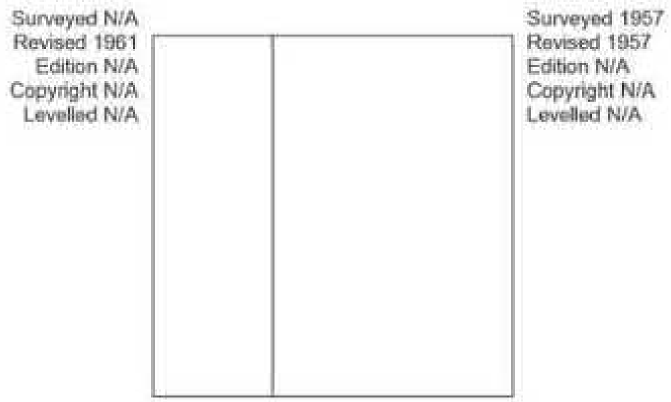

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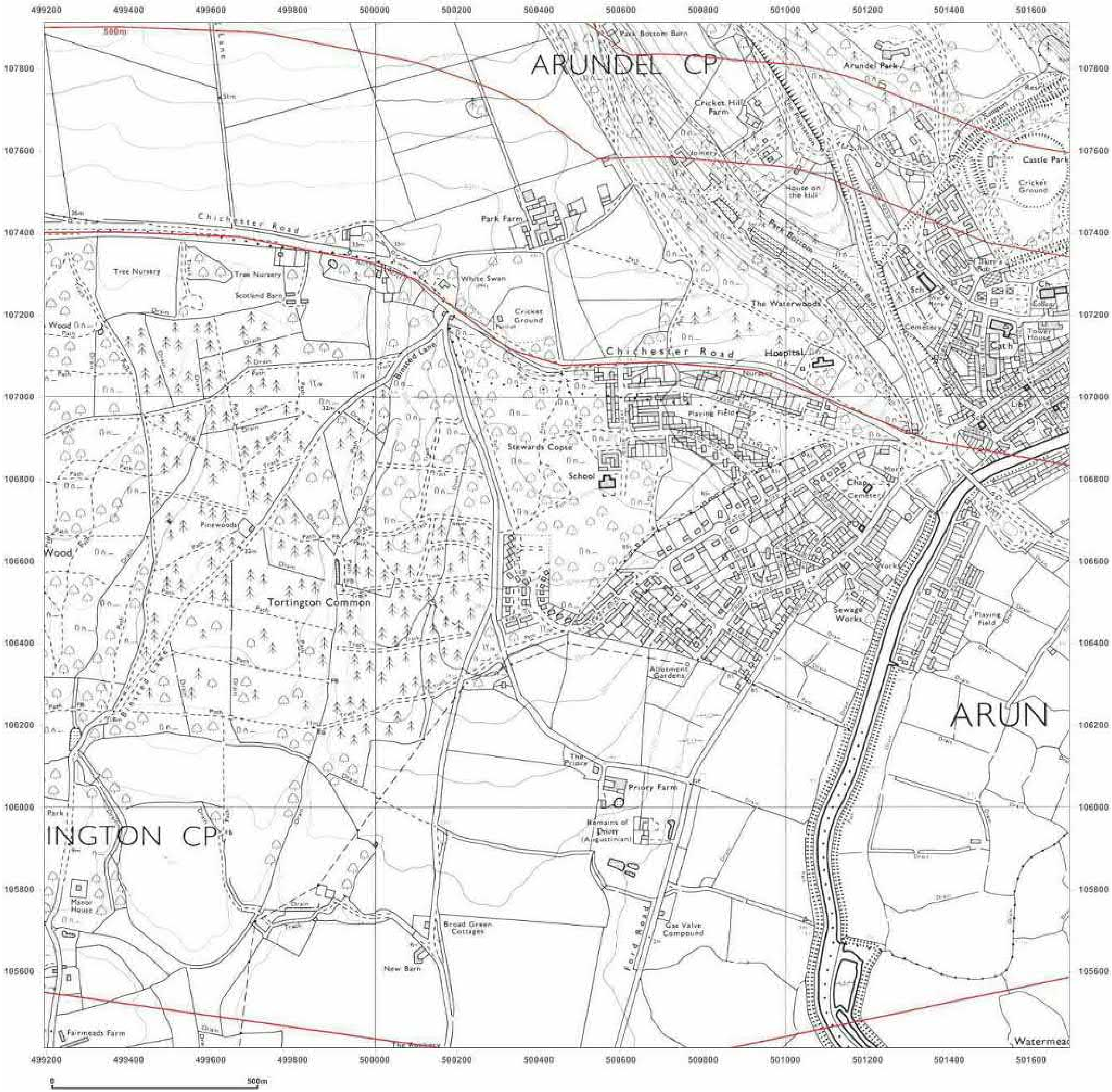
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref:	PO86494
Report Ref:	GS-2047500_SS_3_2
Grid Ref:	500442, 106663

Map Name:	National Grid
Map date:	**1974-1977**
Scale:	1:10,000
Printed at:	1:10,000

N
W E
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Surveyed 1974
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

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

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Production date: 29 April 2015

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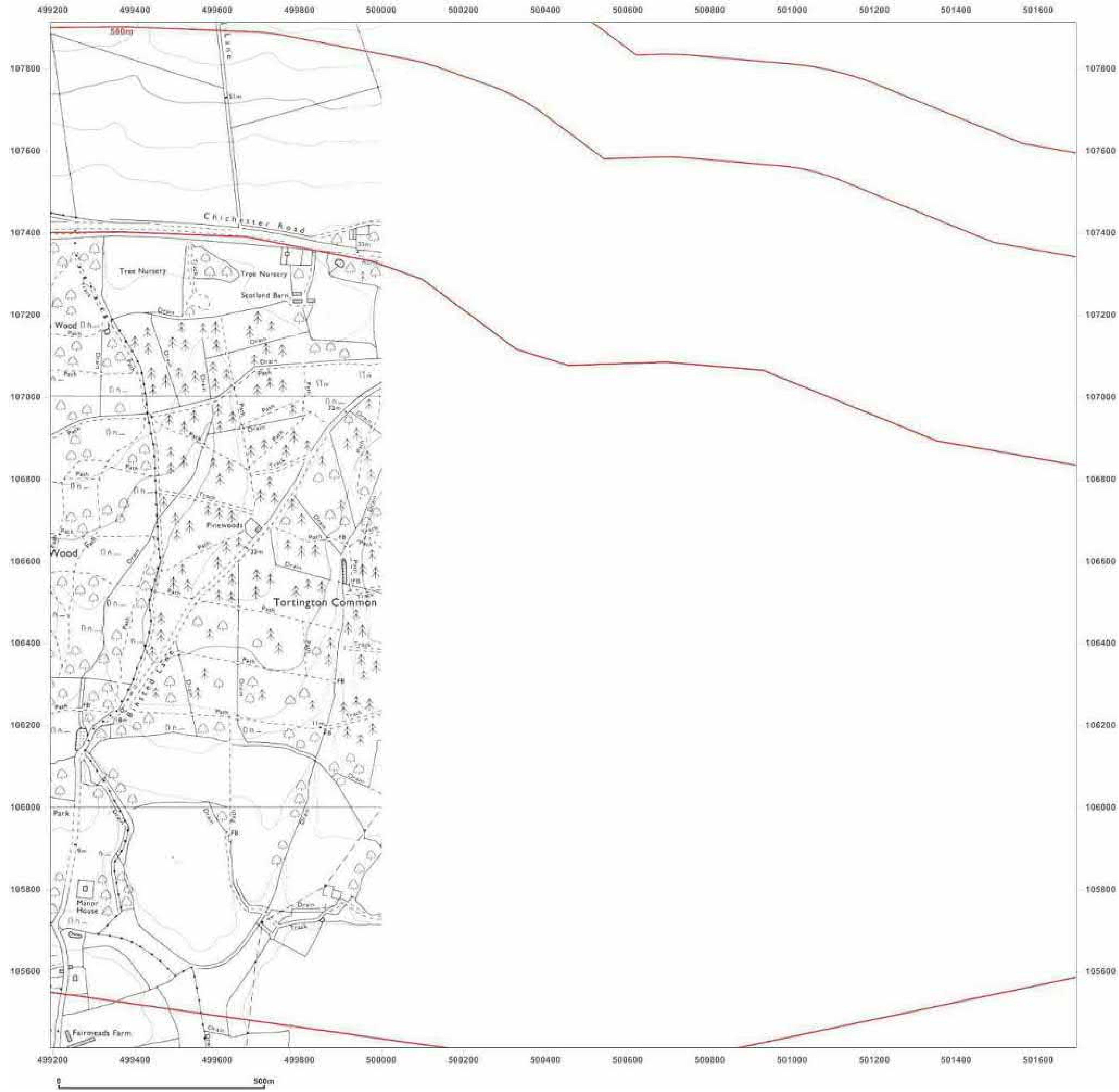

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: National Grid

Map date: **1990**

Scale: 1:10,000

Printed at: 1:10,000

N
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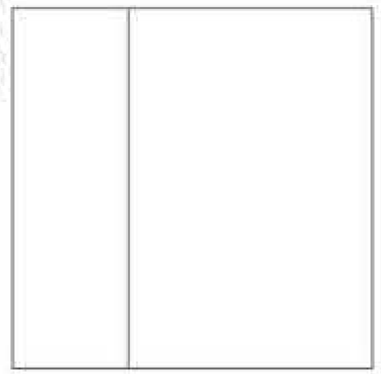
Surveyed 1974
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 29 April 2015

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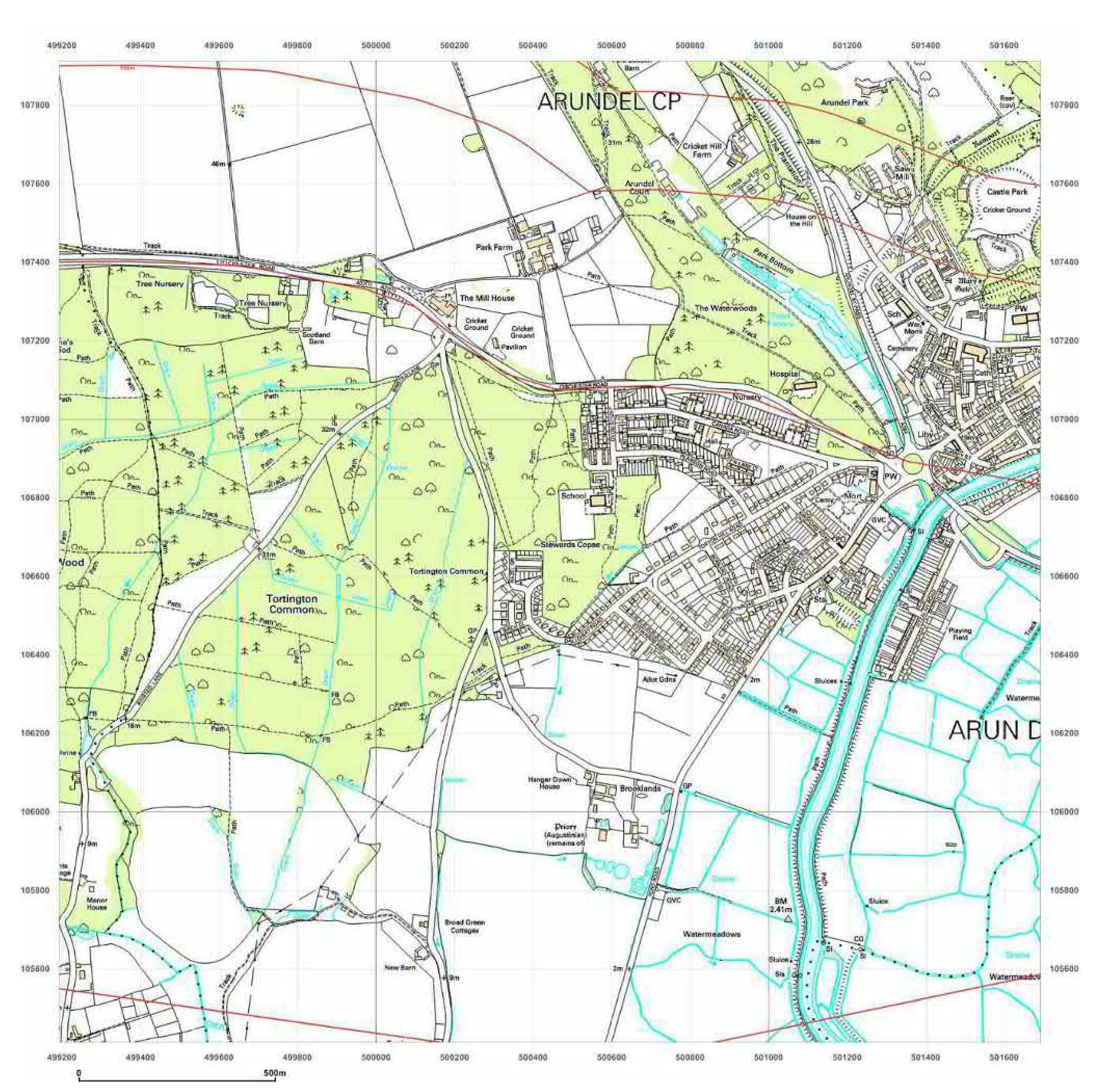

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
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2002

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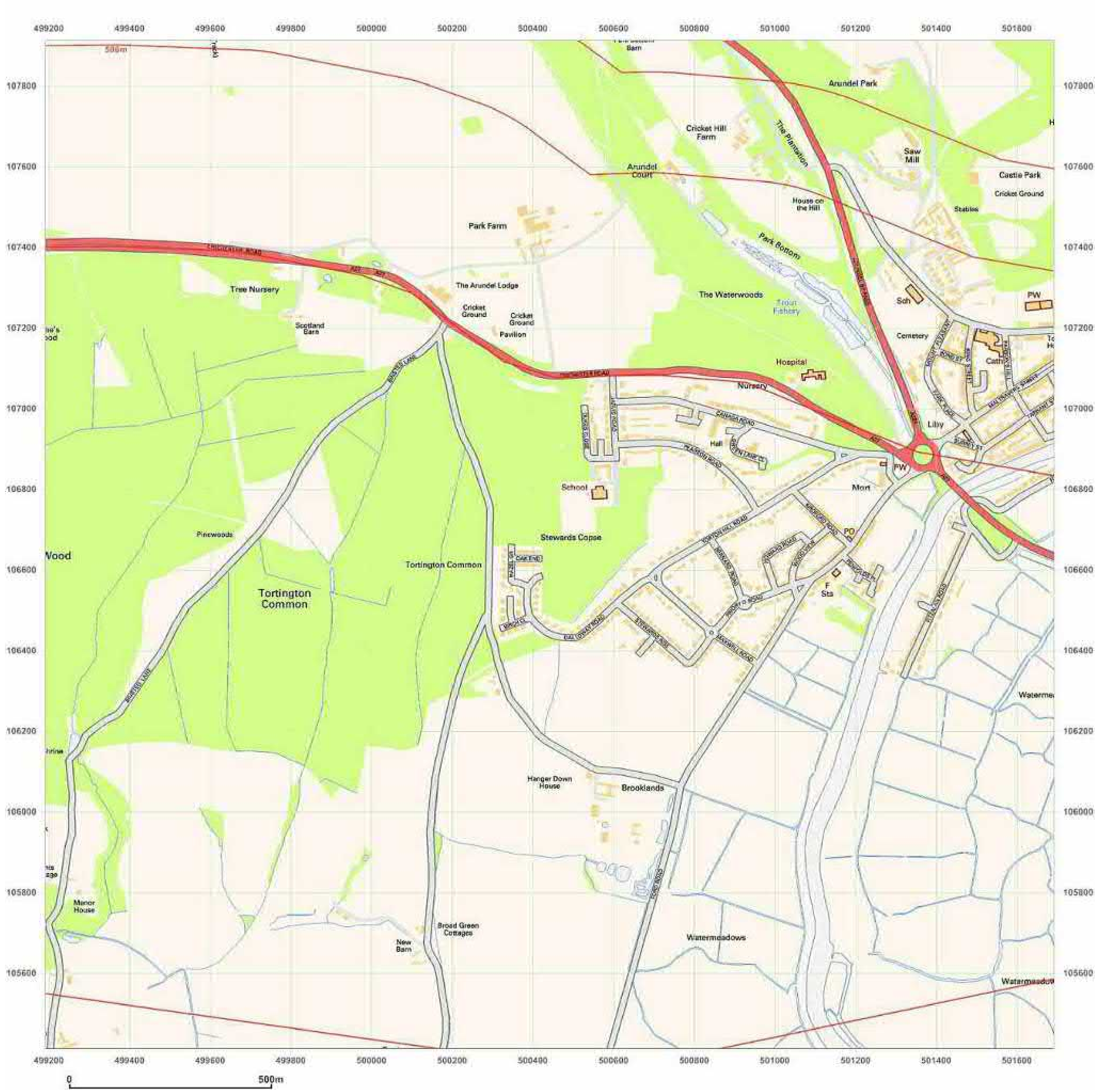
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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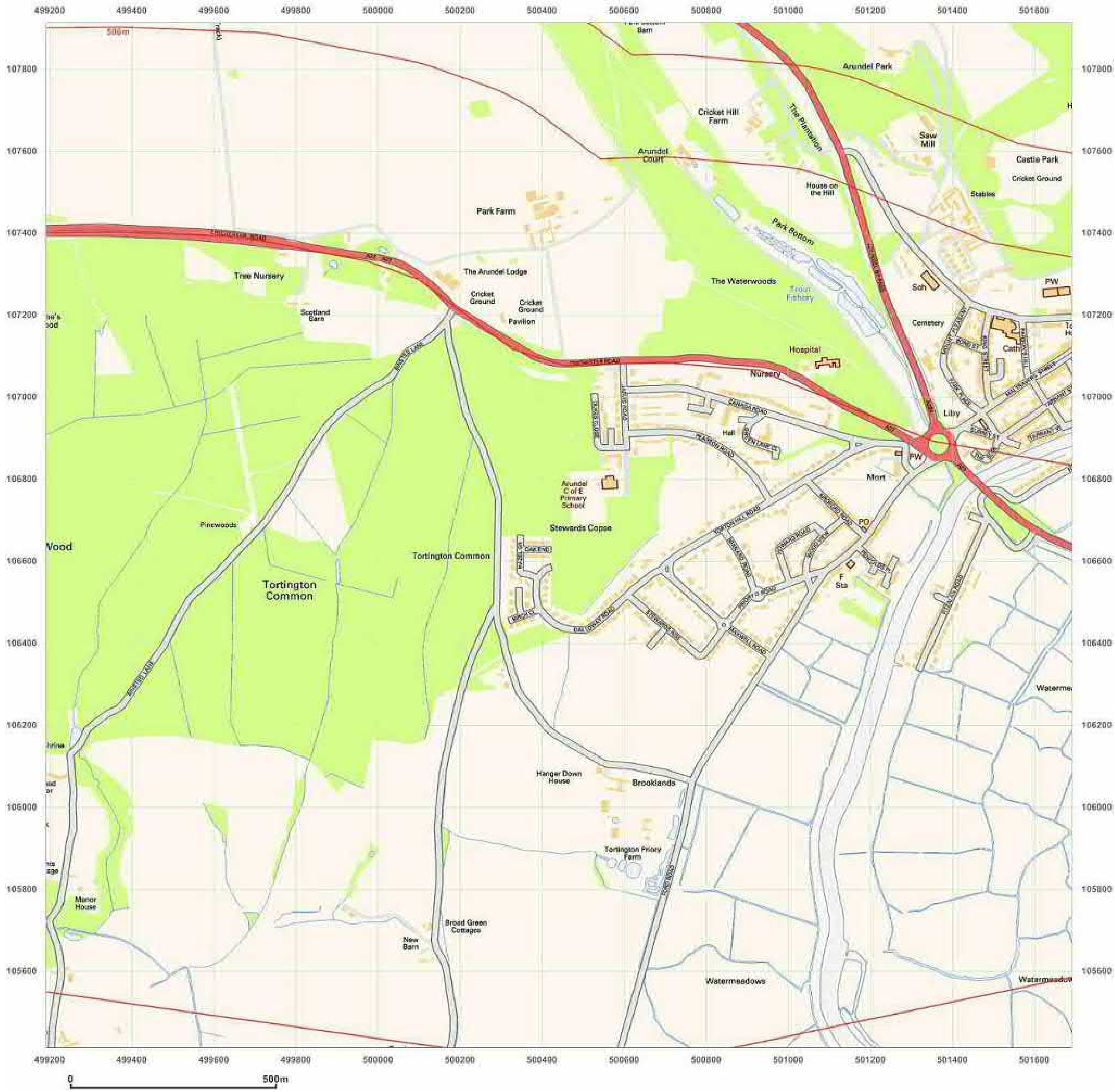
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_2
Grid Ref: 500442, 106663

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
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2014

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W: www.groundsure.com

Production date: 29 April 2015

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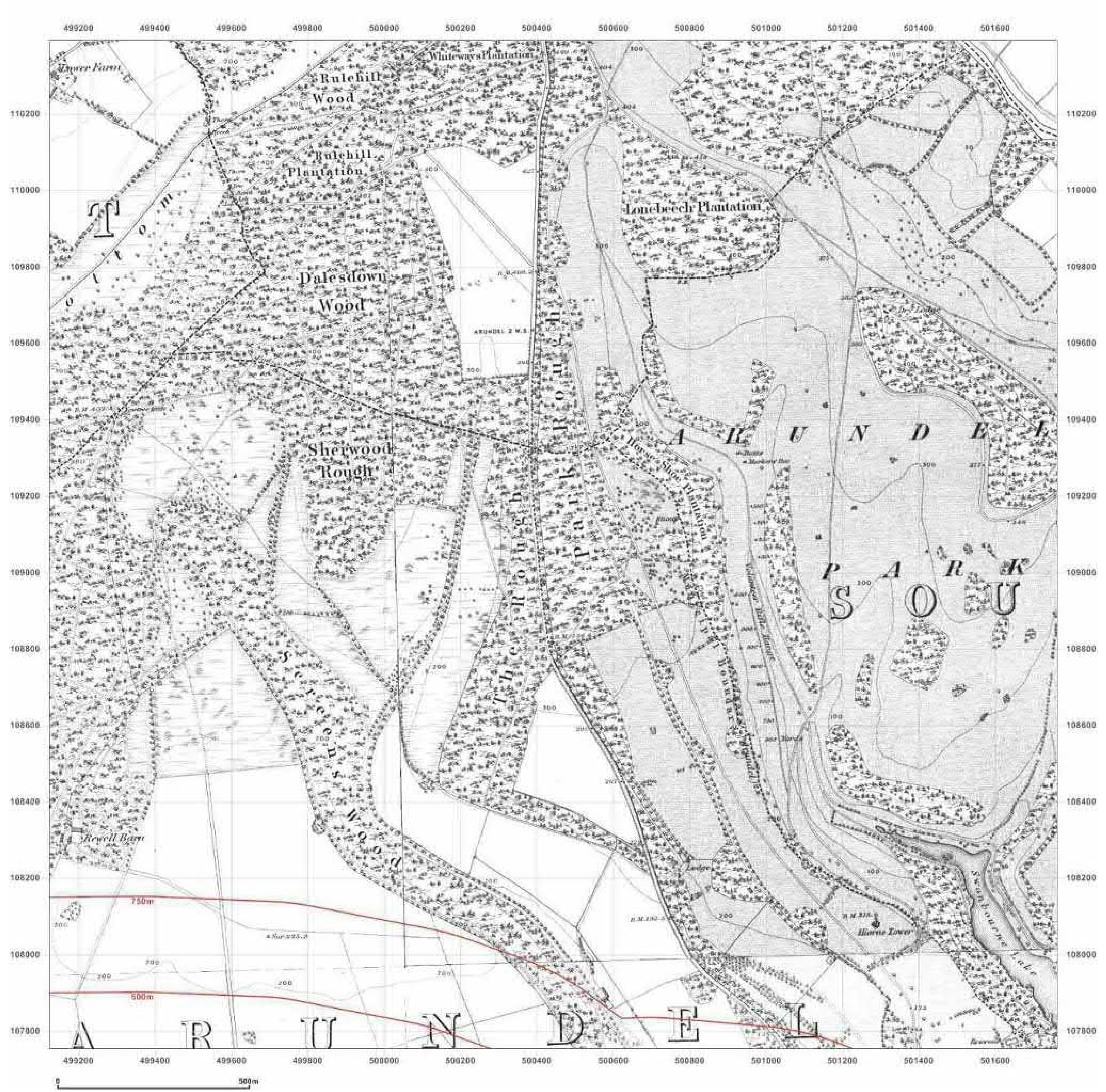

Groundsure
INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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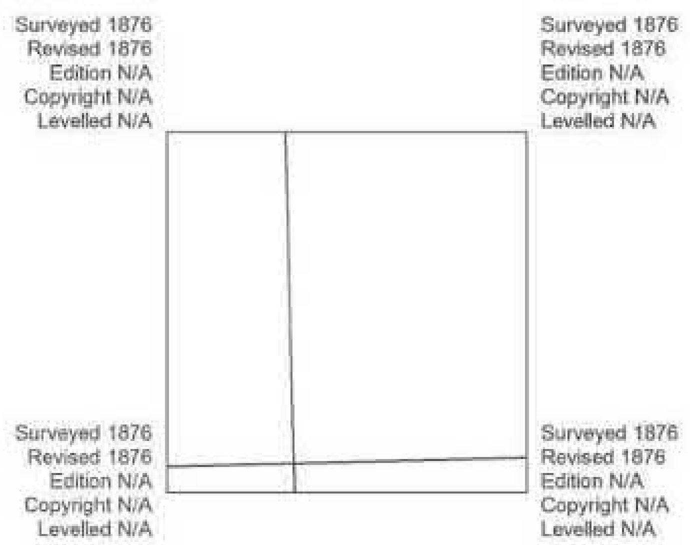

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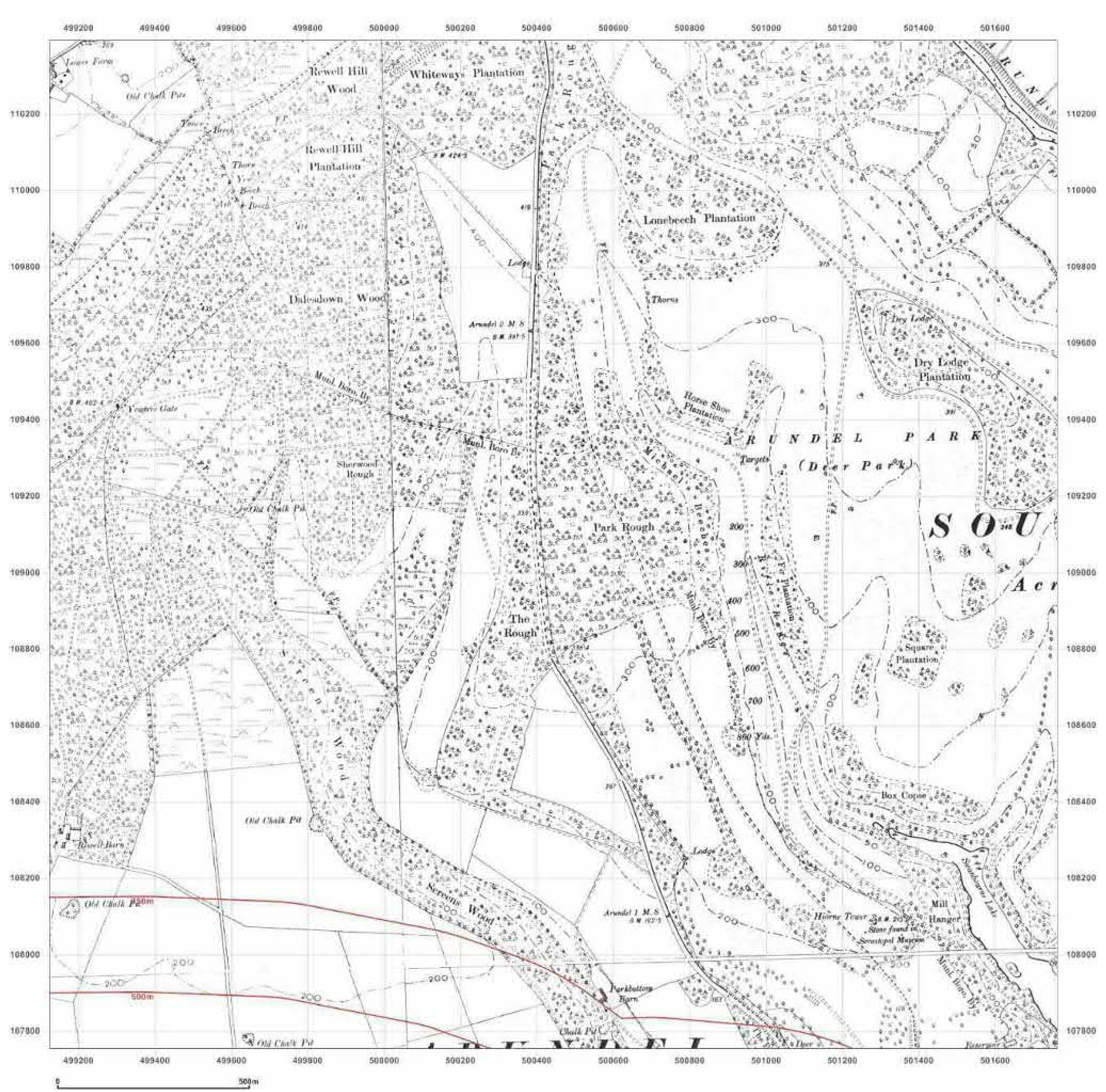
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N
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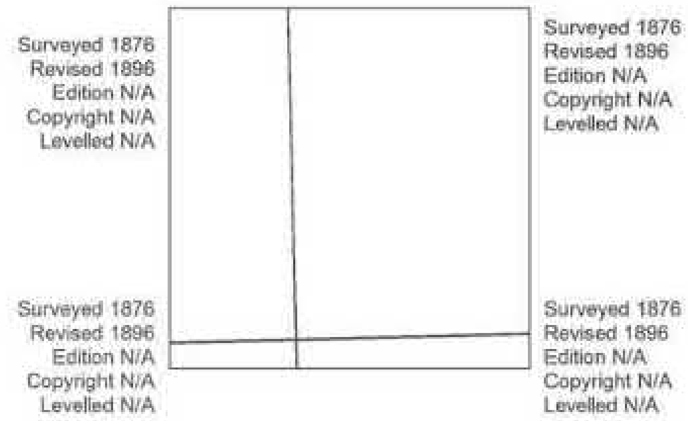

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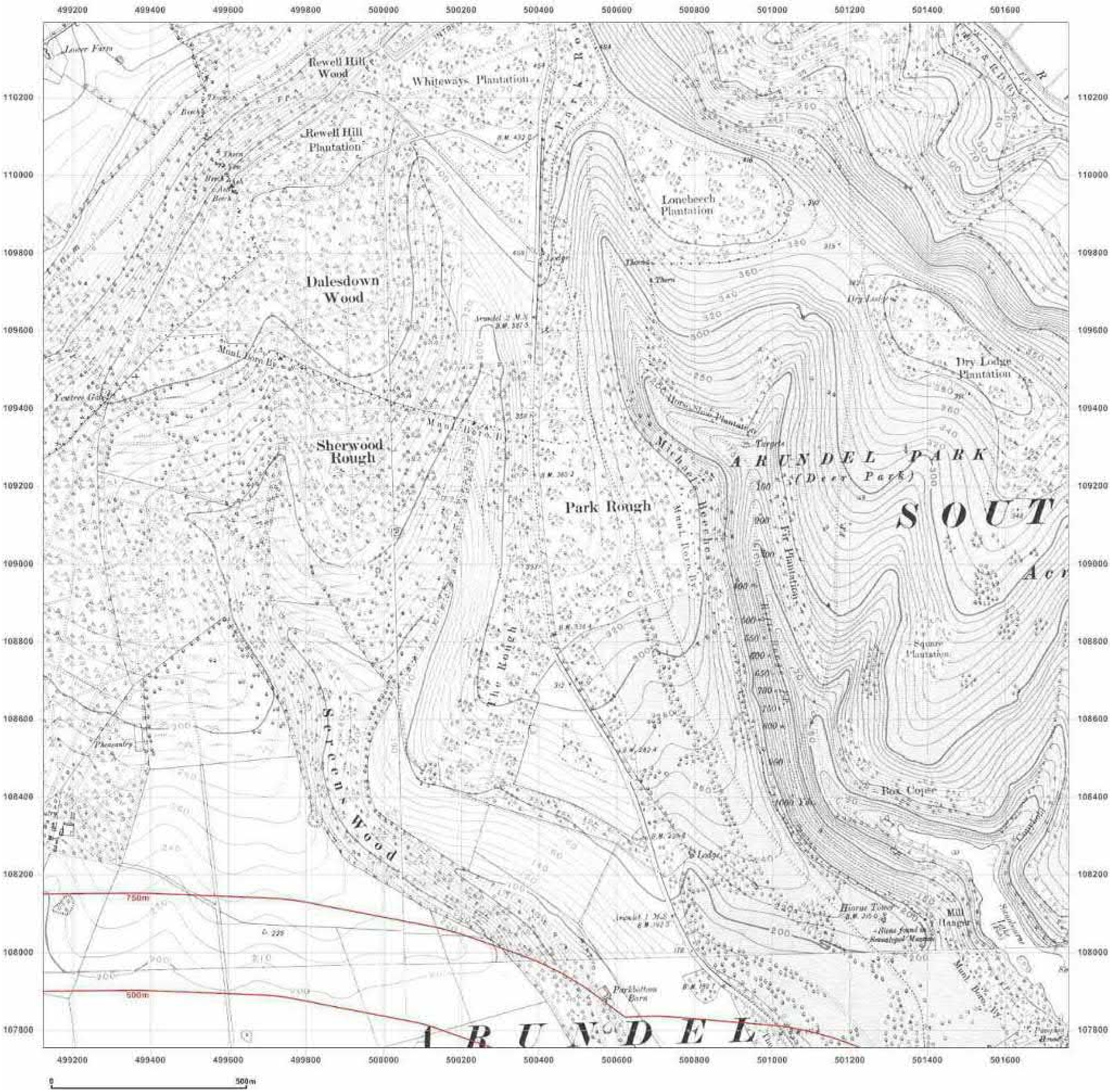
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure
INSIGHTS

Site Details:

ARUNDEL

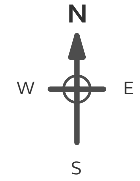
Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

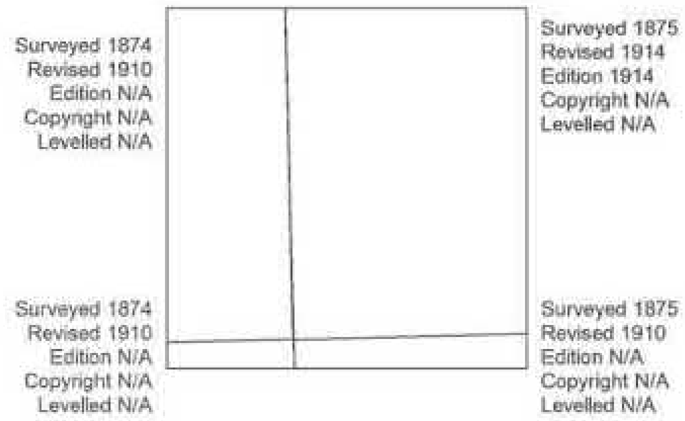
Map Name: County Series

Map date: **1910-1914**

Scale: 1:10,560

Printed at: 1:10,560





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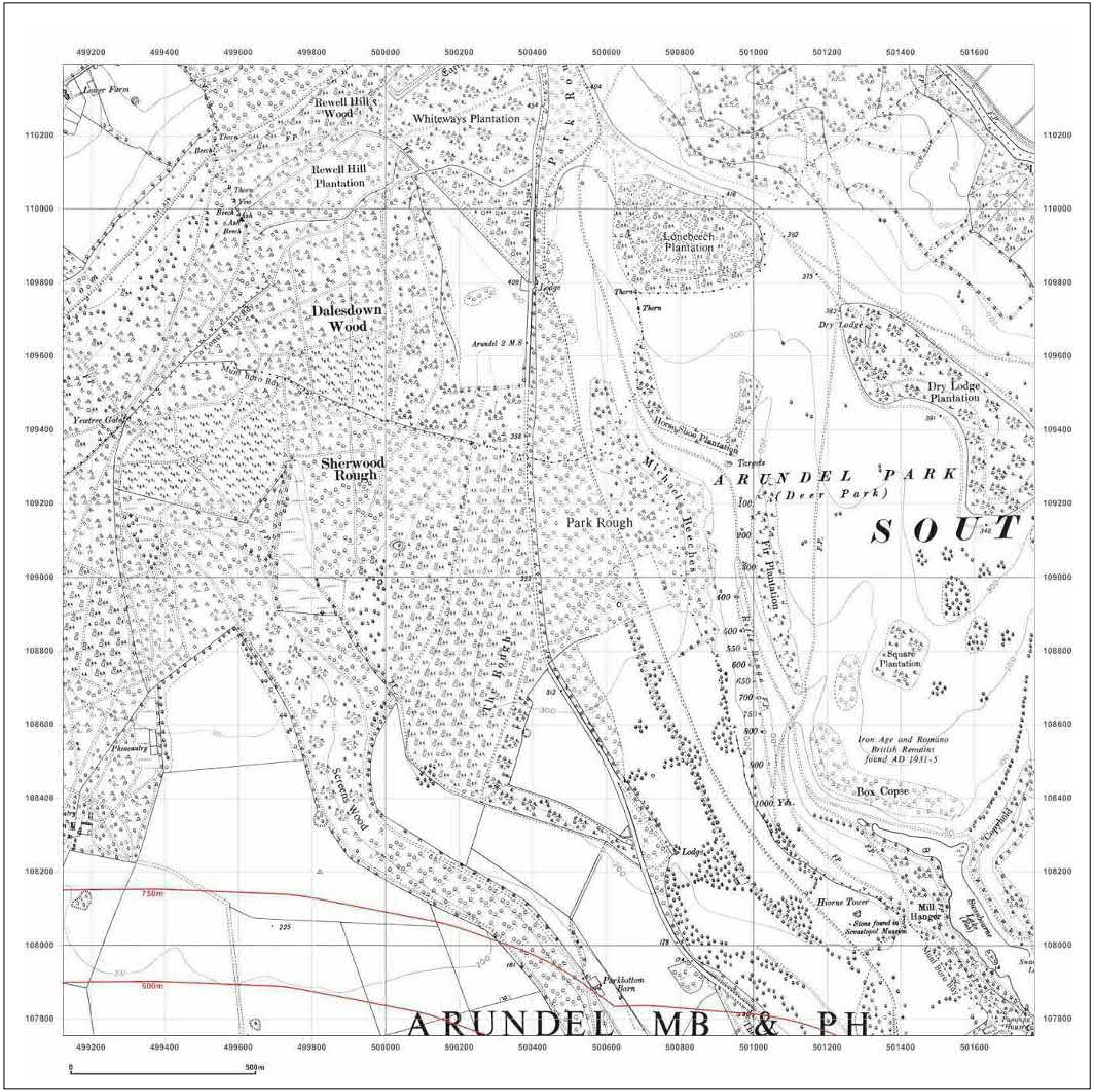
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: Provisional

Map date: 1957-1961

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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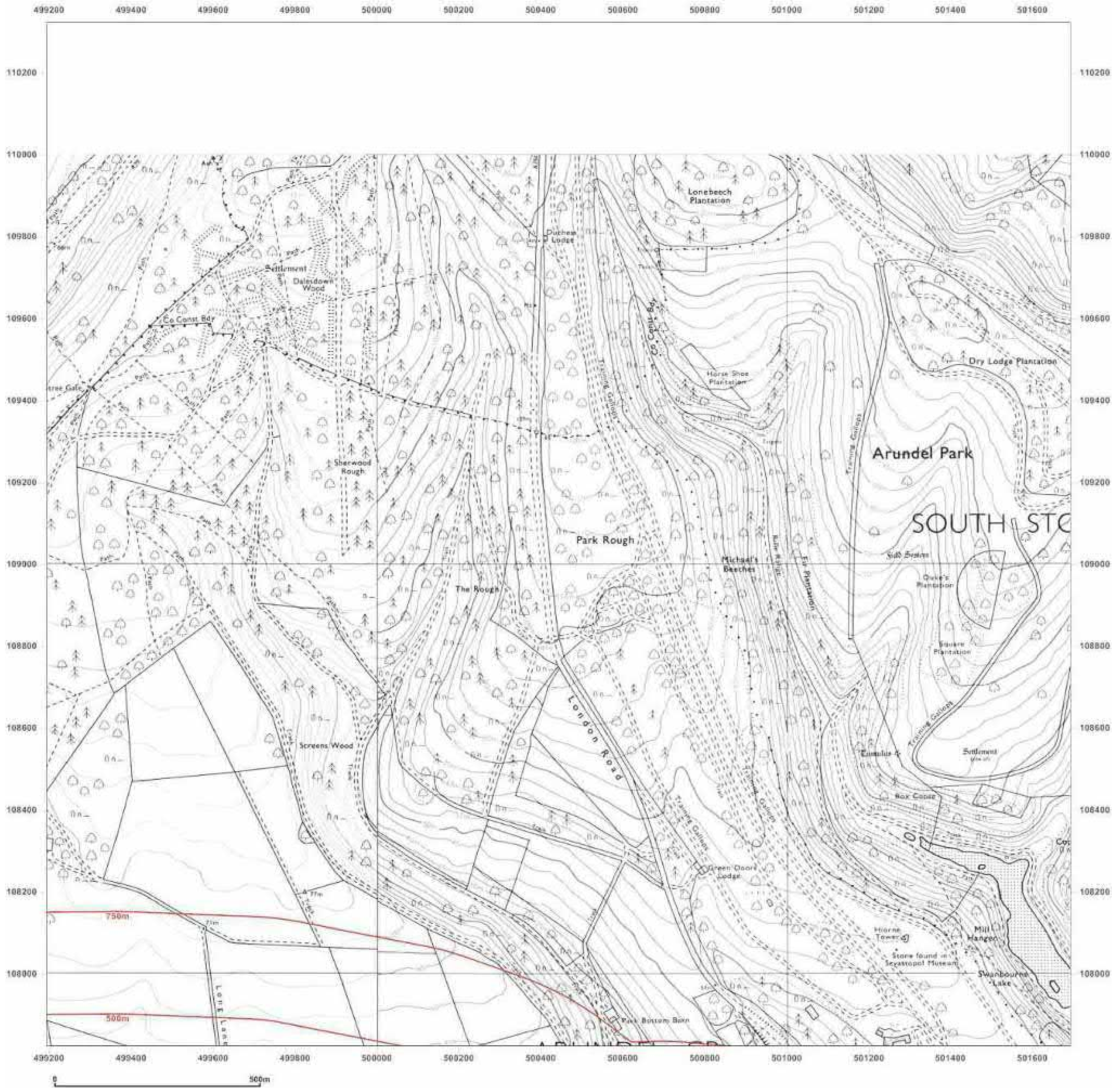

![Groundsure Insights logo]

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: National Grid

Map date: **1974-1977**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1974
Revised 1977
Edition N/A
Copyright N/A
Levelled N/A

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

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Production date: 29 April 2015

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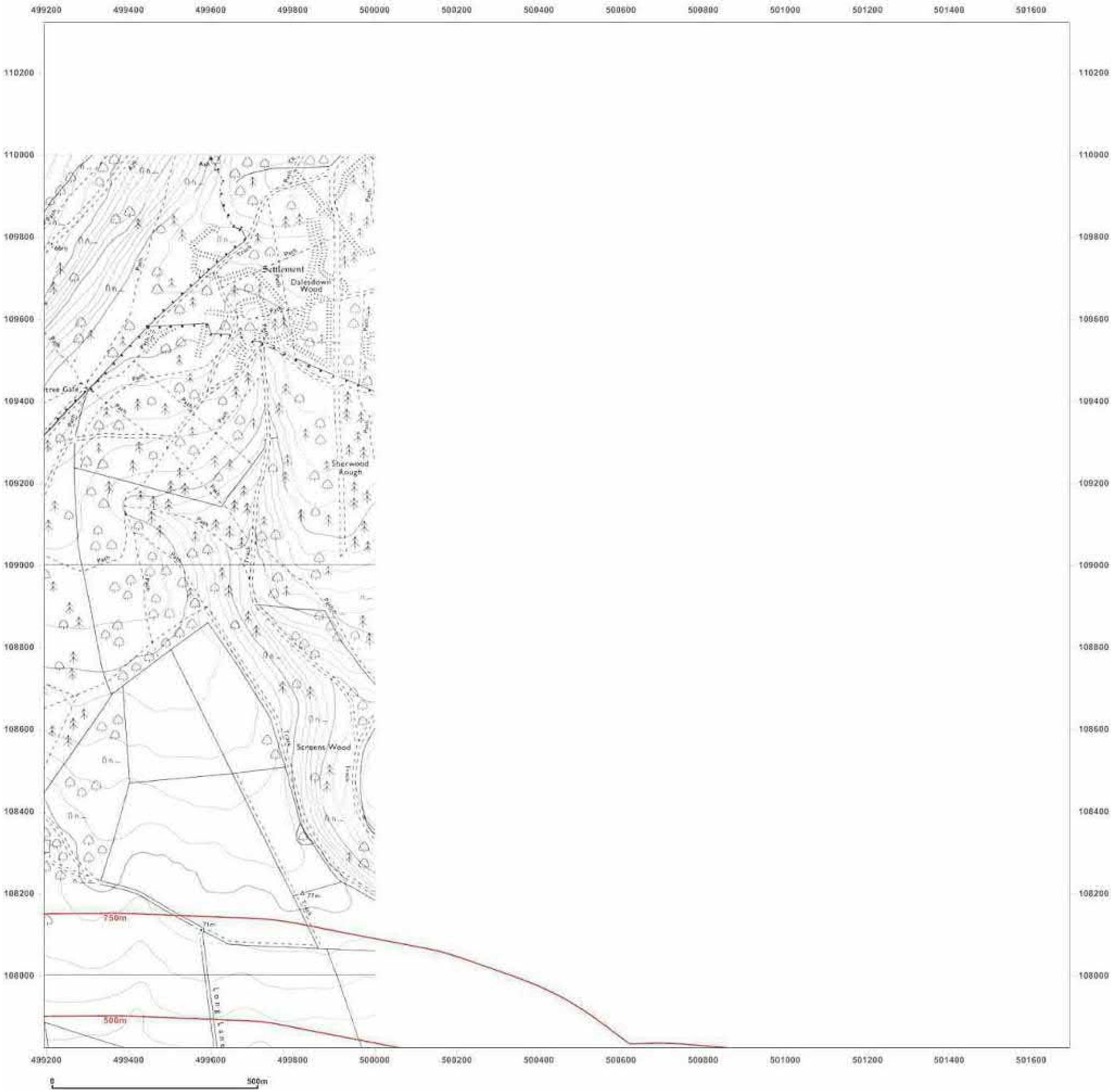

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: National Grid

Map date: **1990**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1974
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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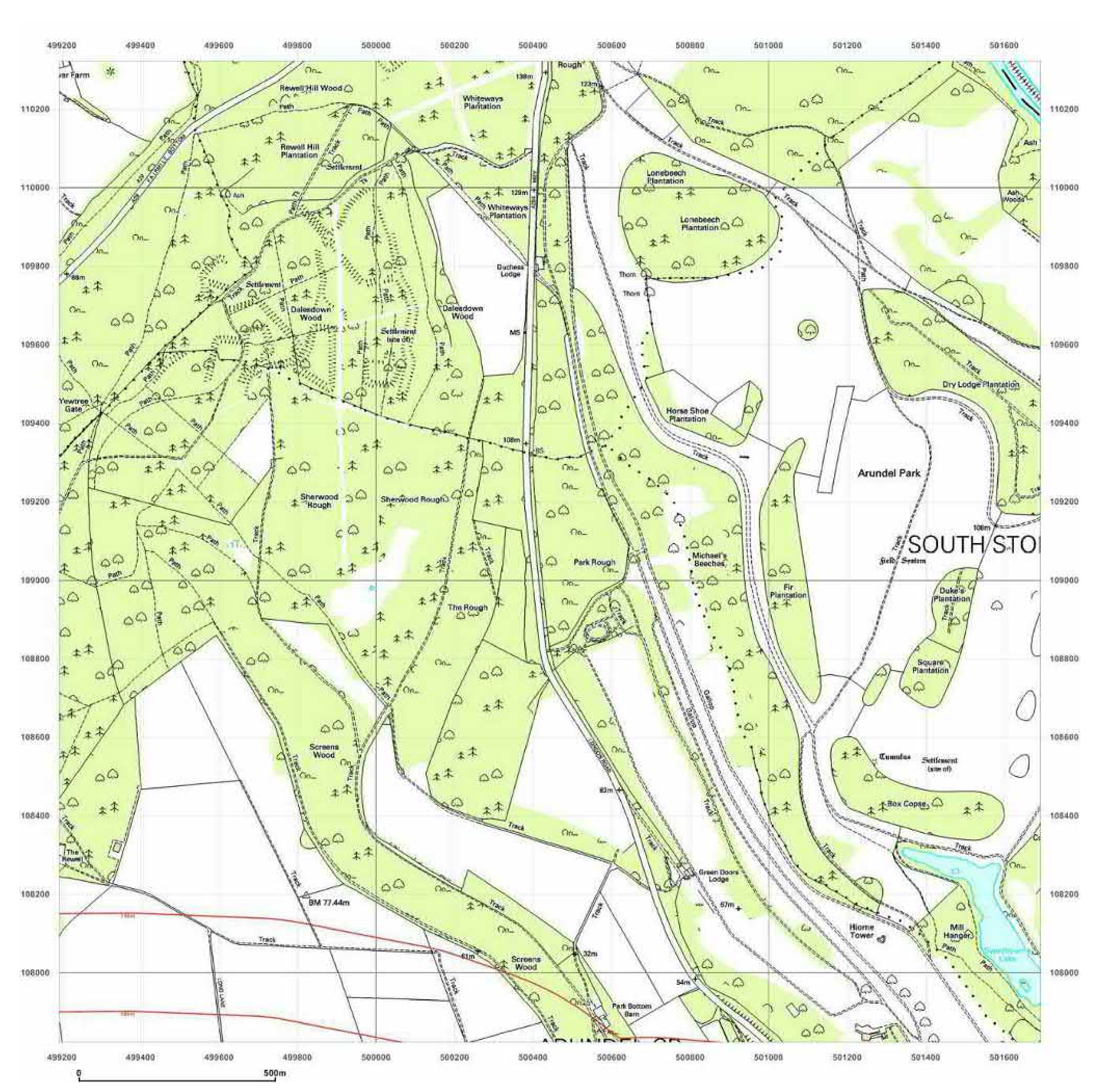

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

2002

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W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*

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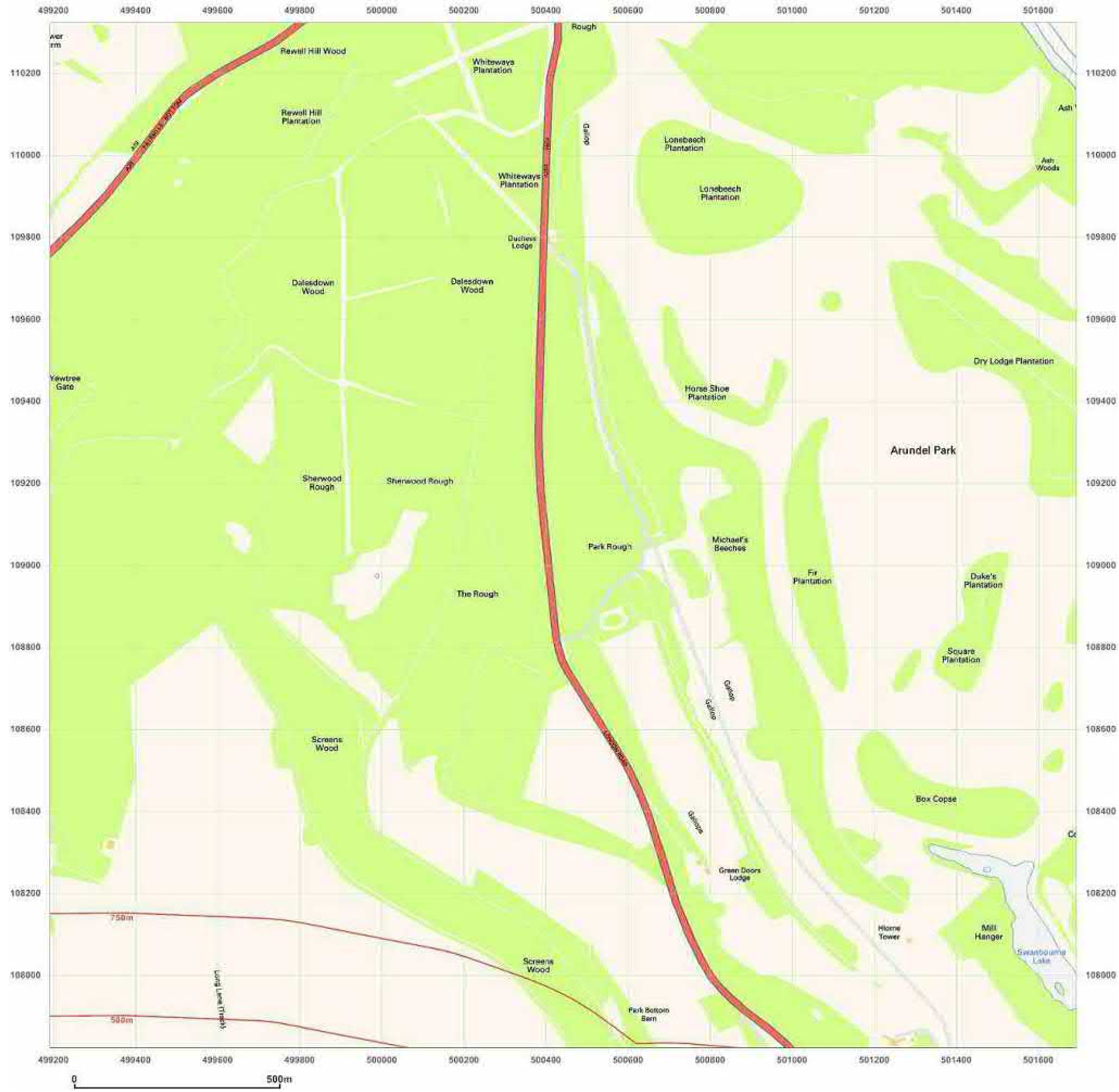

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2010

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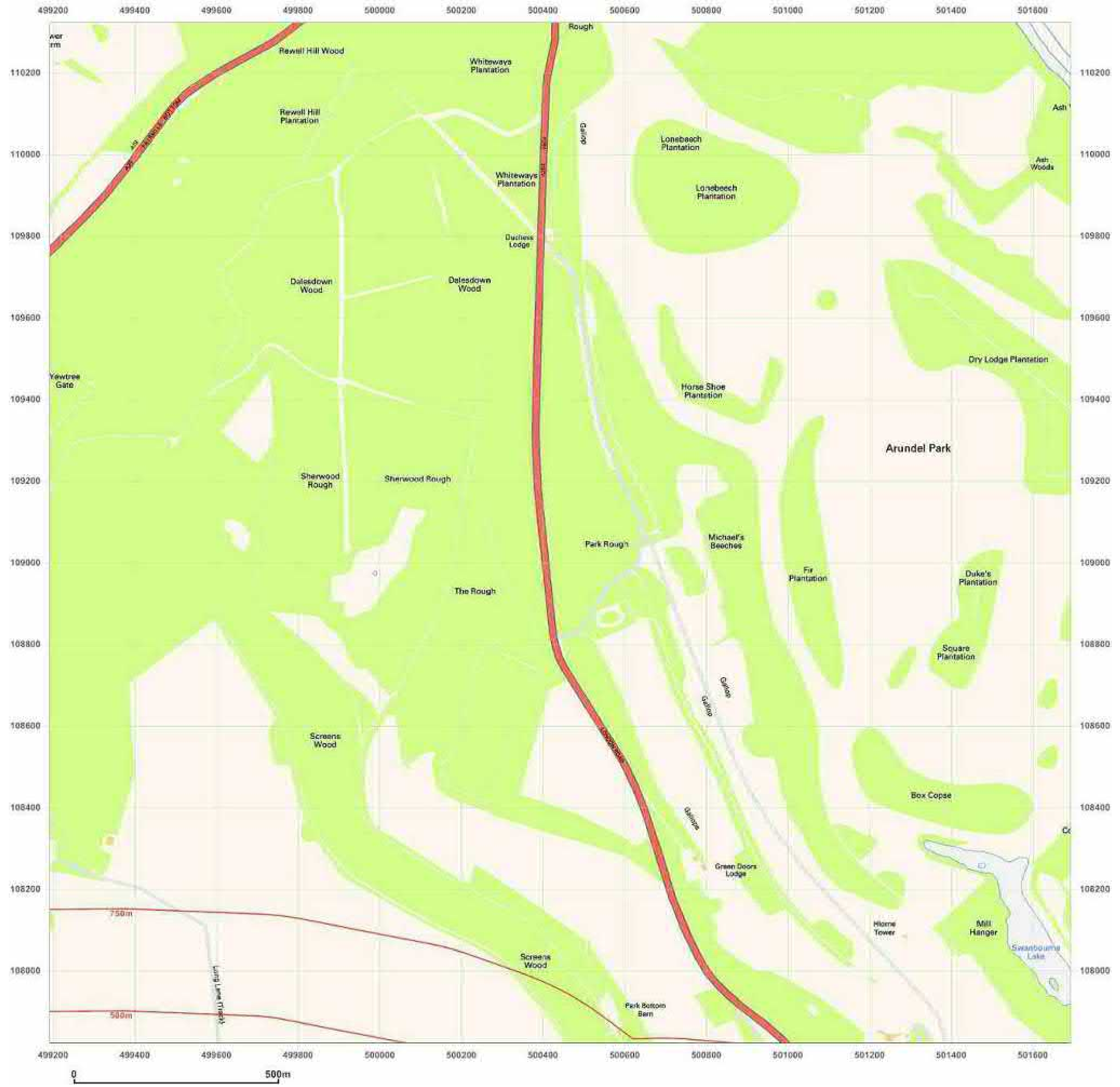
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_3_3
Grid Ref: 500442, 109073

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
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2014

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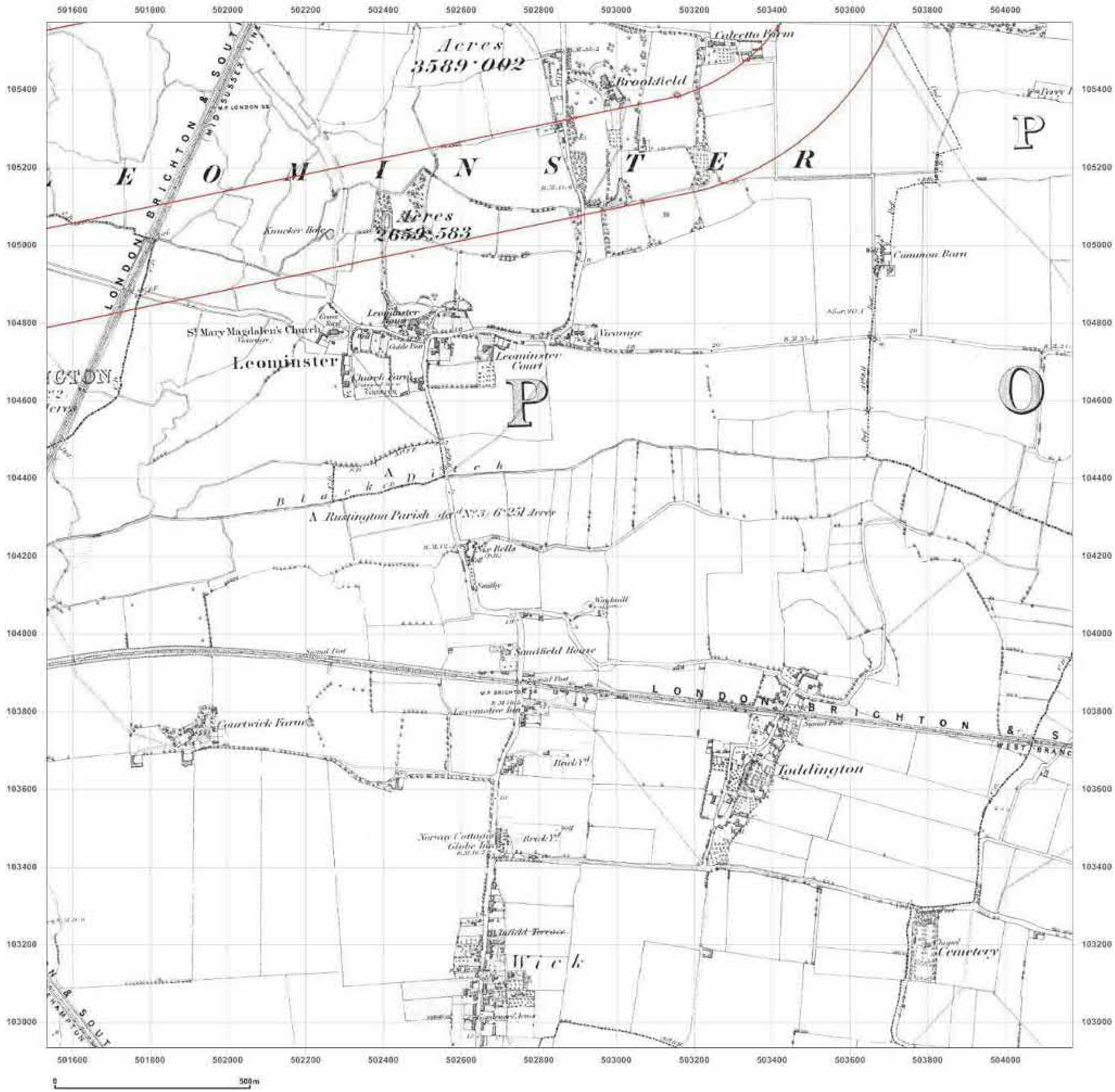
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: County Series

Map date: **1876**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

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

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W: www.groundsure.com

Production date: 29 April 2015

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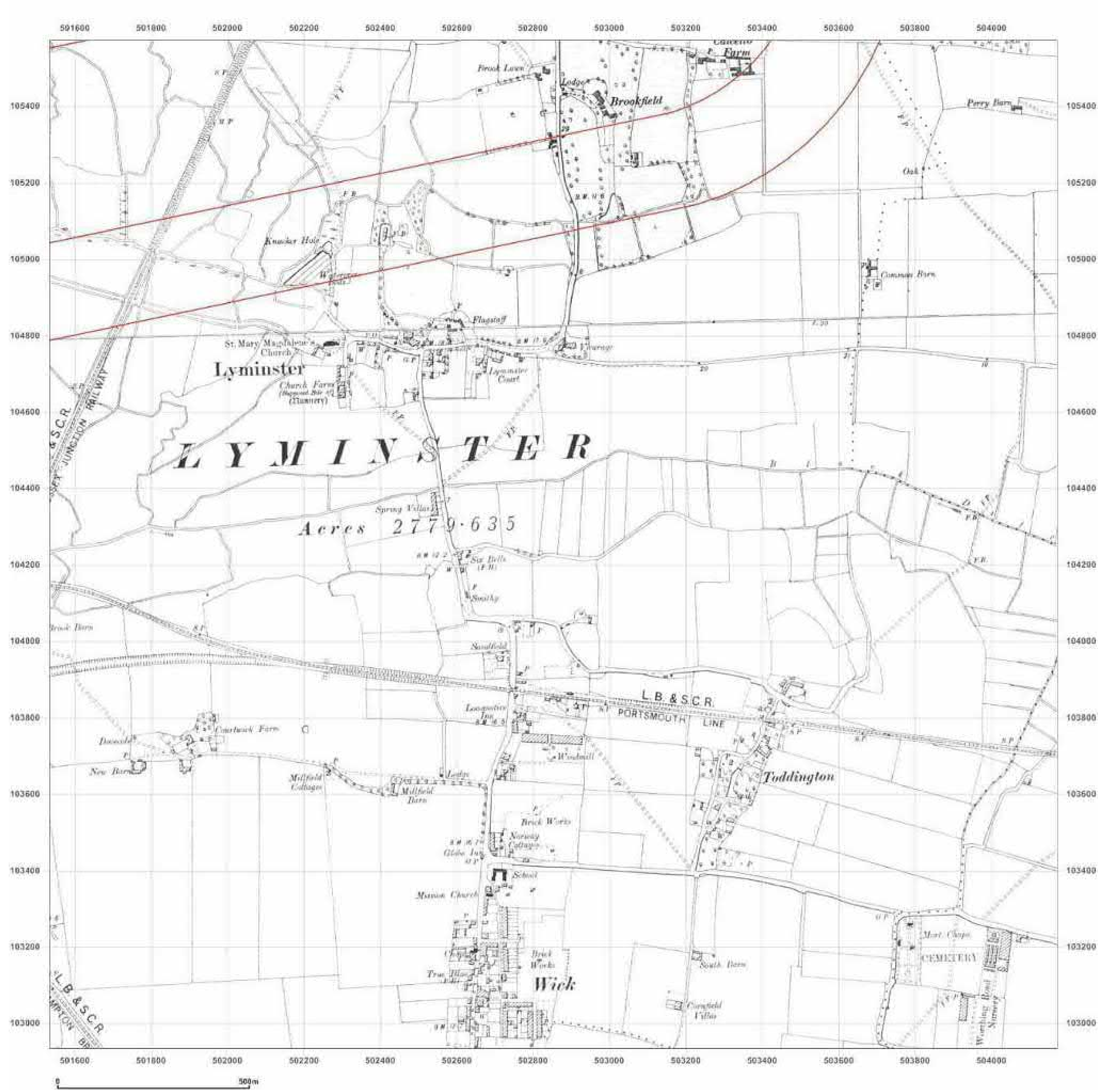

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1876
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

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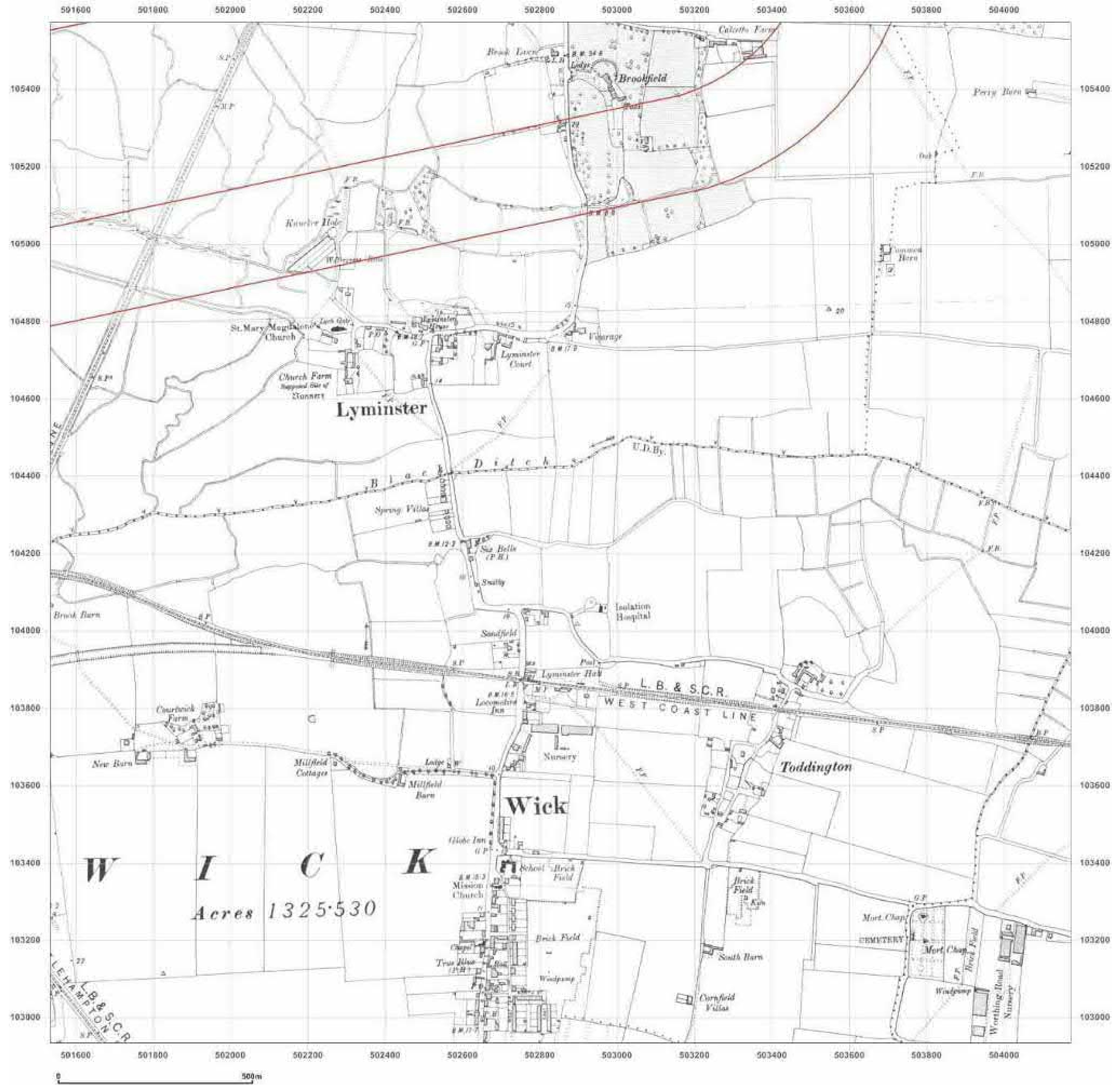
Production date: 29 April 2015

To view map legend click here *Legend*



![Groundsure Insights]

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: County Series

Map date: **1910**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1875
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

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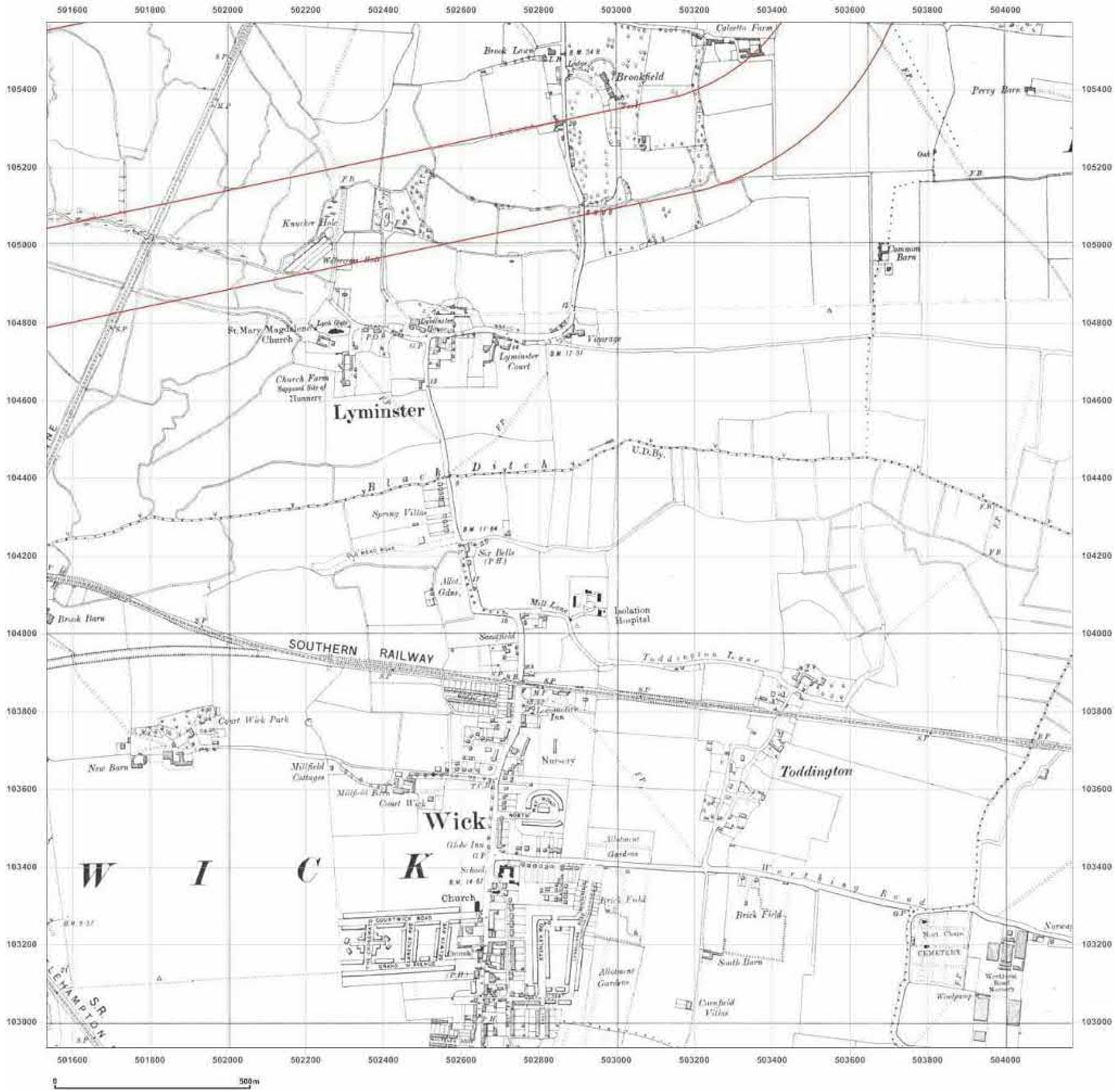
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1875
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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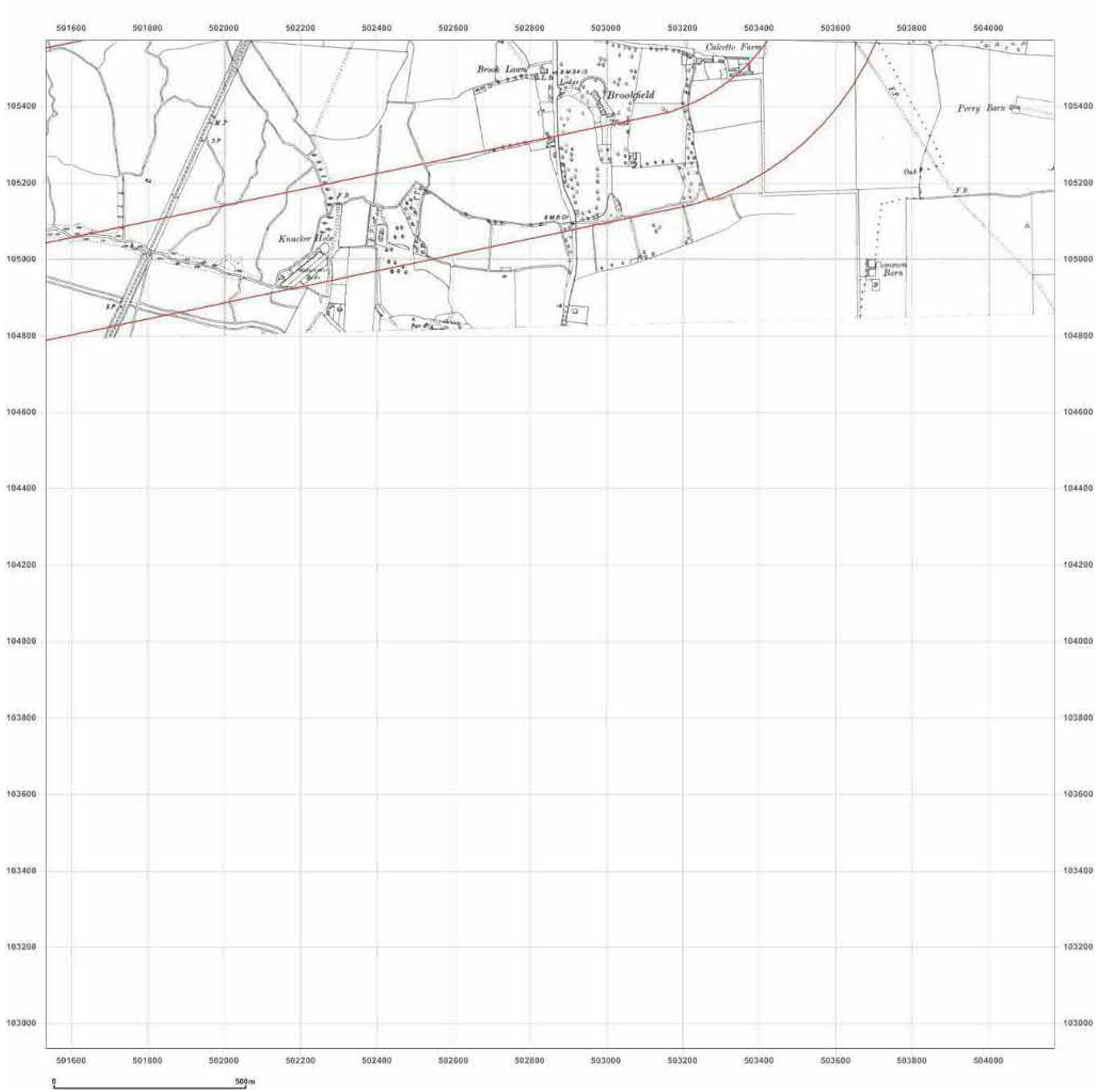
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: County Series

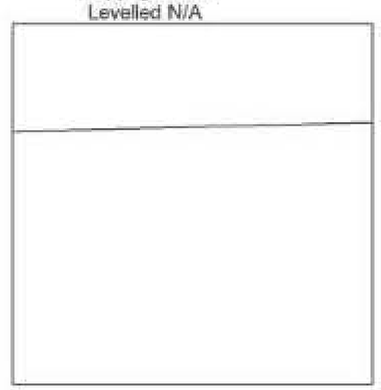
Map date: **1946**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1875
Revised 1946
Edition N/A
Copyright N/A
Levelled N/A



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Production date: 29 April 2015

To view map legend click here *Legend*

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: Provisional

Map date: **1957**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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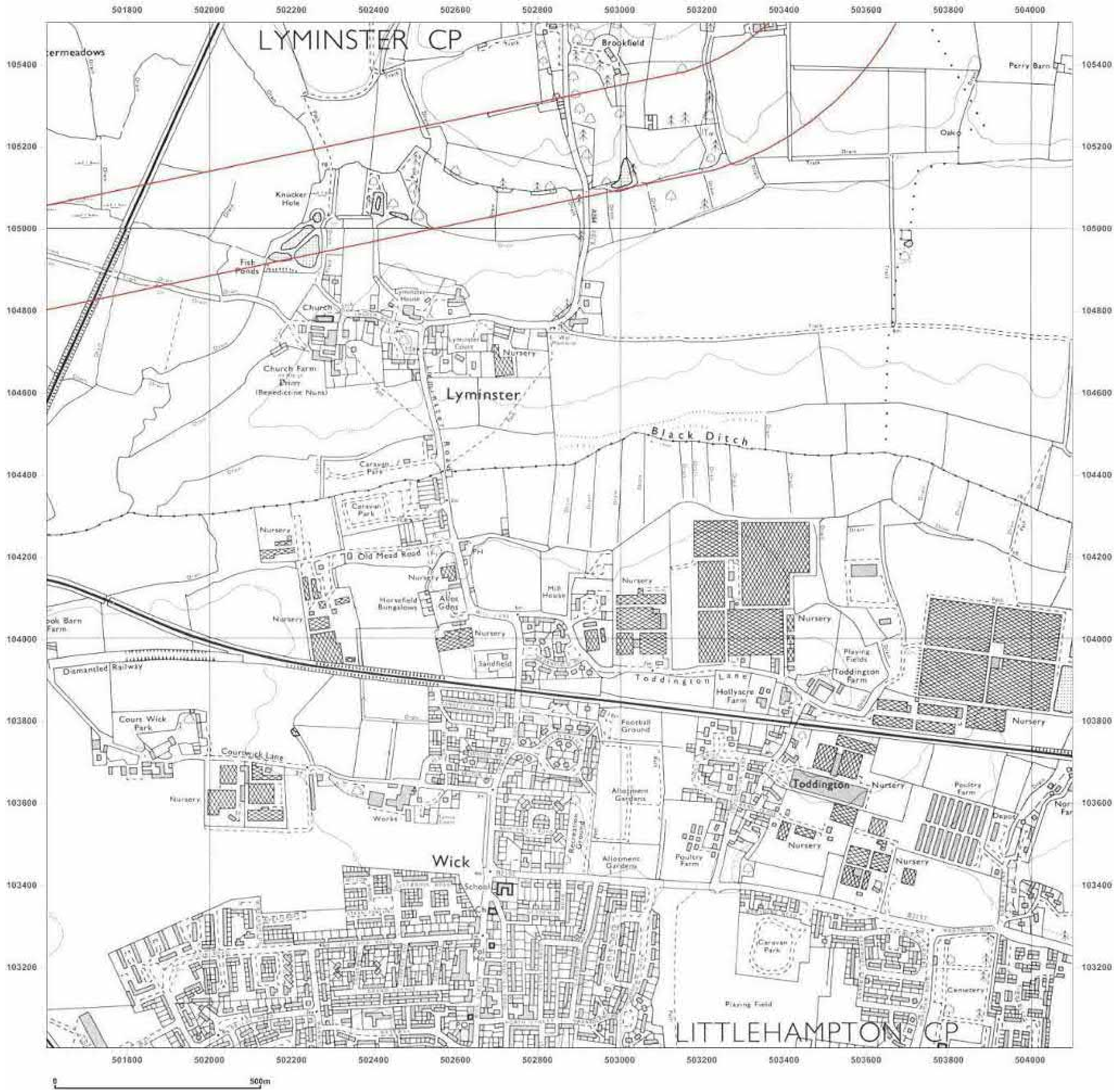

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: National Grid

Map date: 1974

Scale: 1:10,000

Printed at: 1:10,000

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

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

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Production date: 29 April 2015

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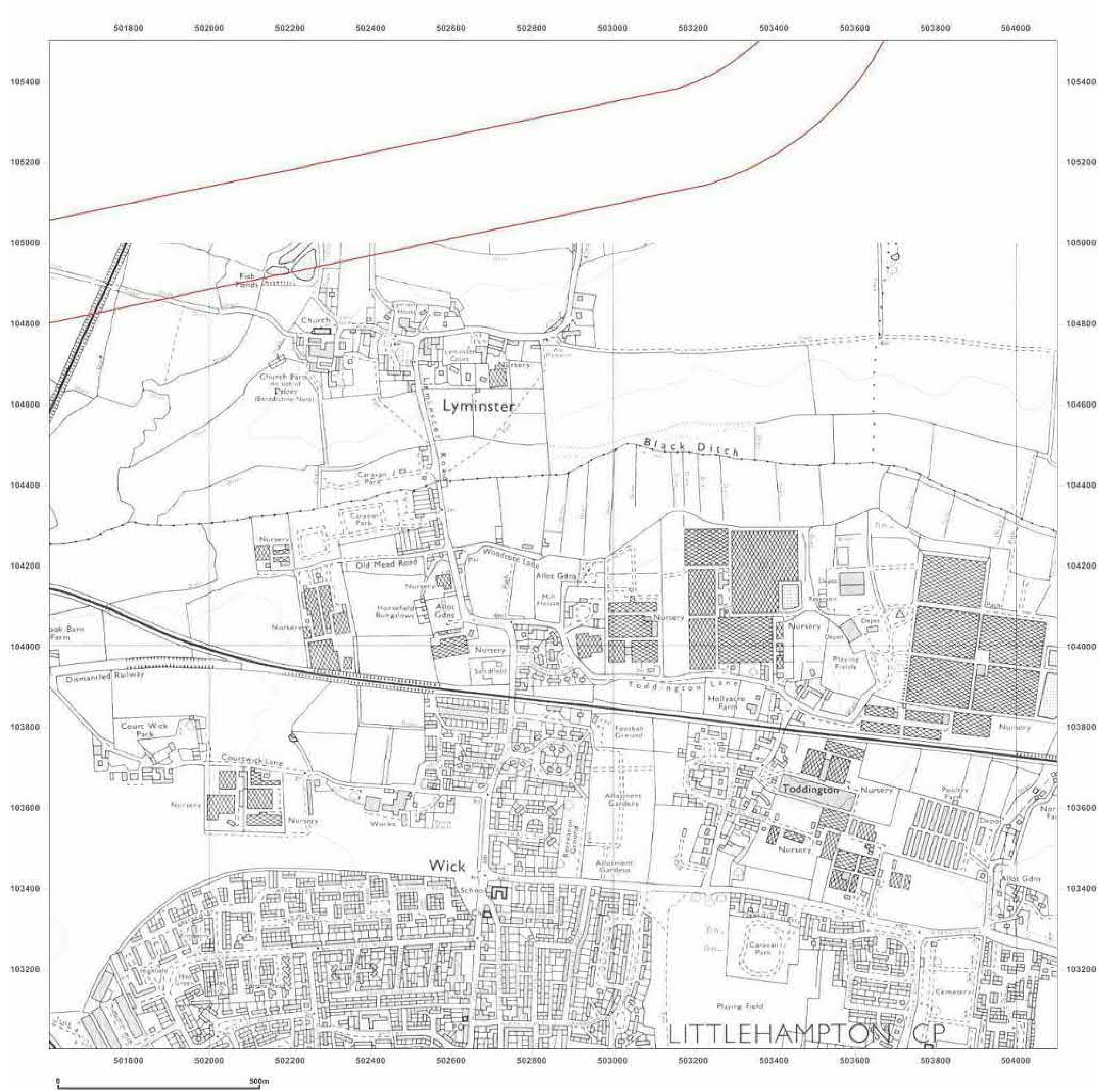

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: National Grid

Map date: **1981**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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Surveyed 1981
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

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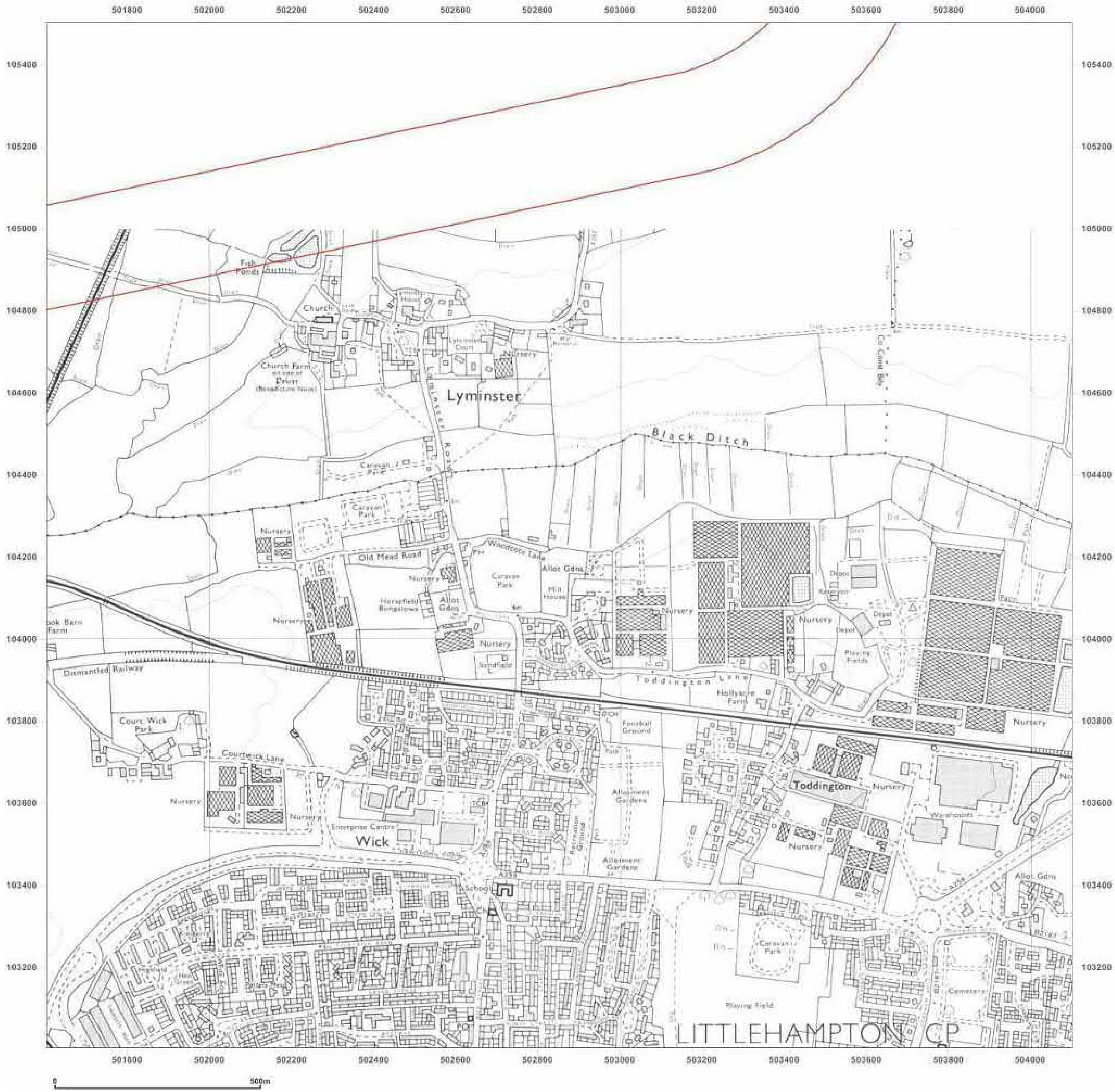
E: info@groundsure.com
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: National Grid

Map date: **1992**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

Surveyed 1981
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

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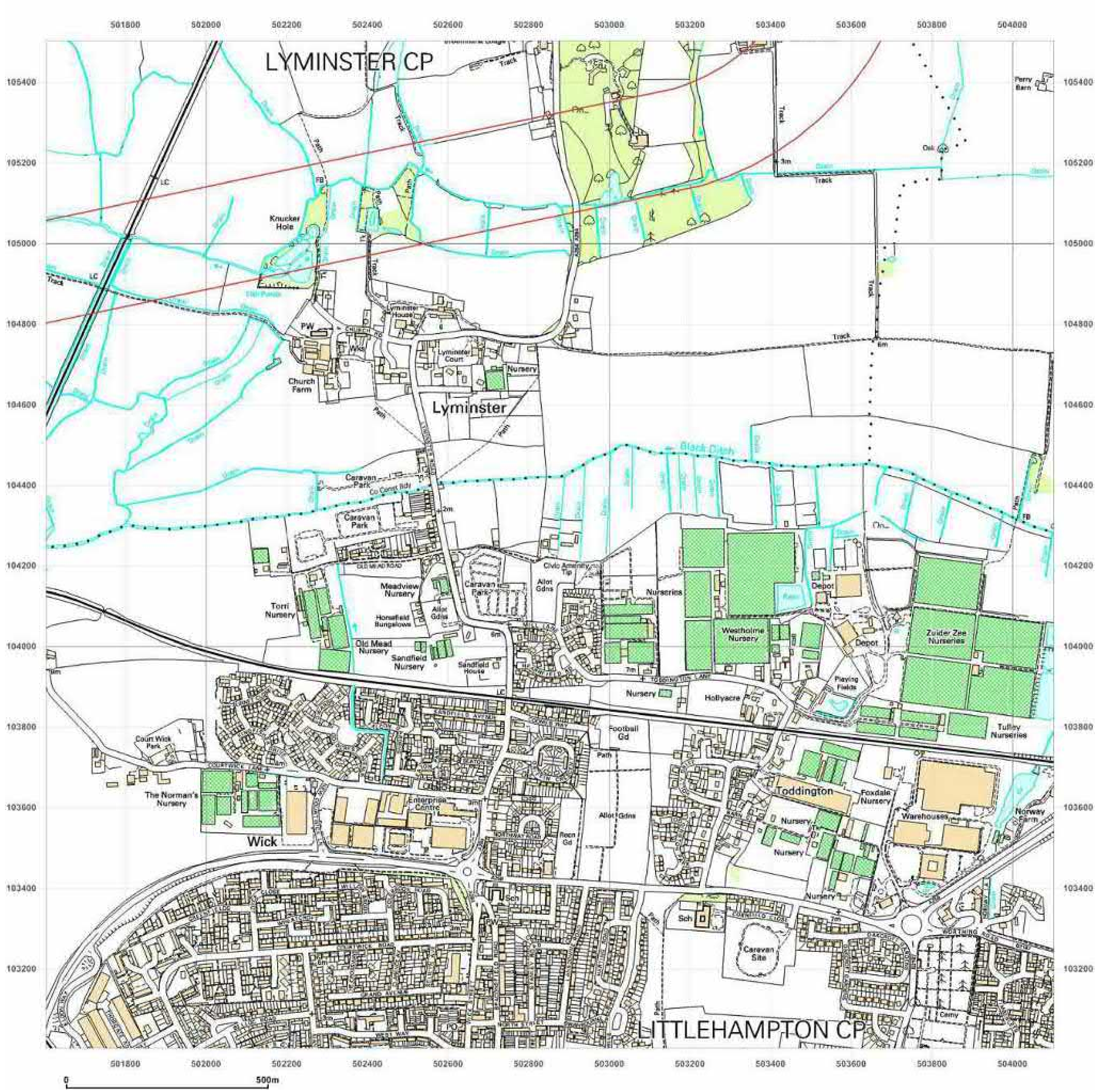
E: info@groundsure.com
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2002

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

Production date: 29 April 2015

To view map legend click here *Legend*

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2010

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

Production date: 29 April 2015

To view map legend click here *Legend*

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_1
Grid Ref: 502852, 104253

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
S

2014

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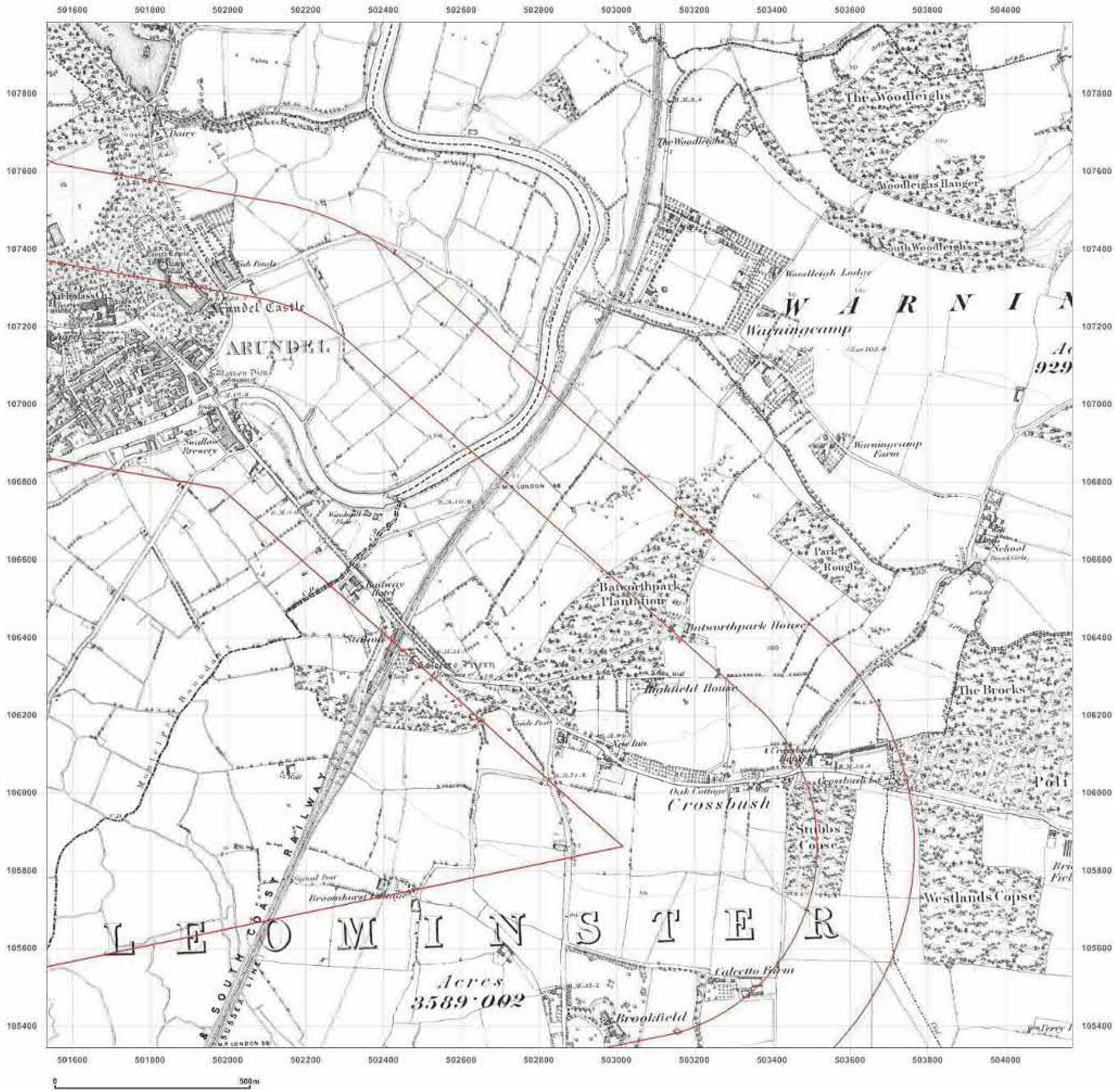
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: County Series

Map date: 1876

Scale: 1:10,560

Printed at: 1:10,560

N W E S

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

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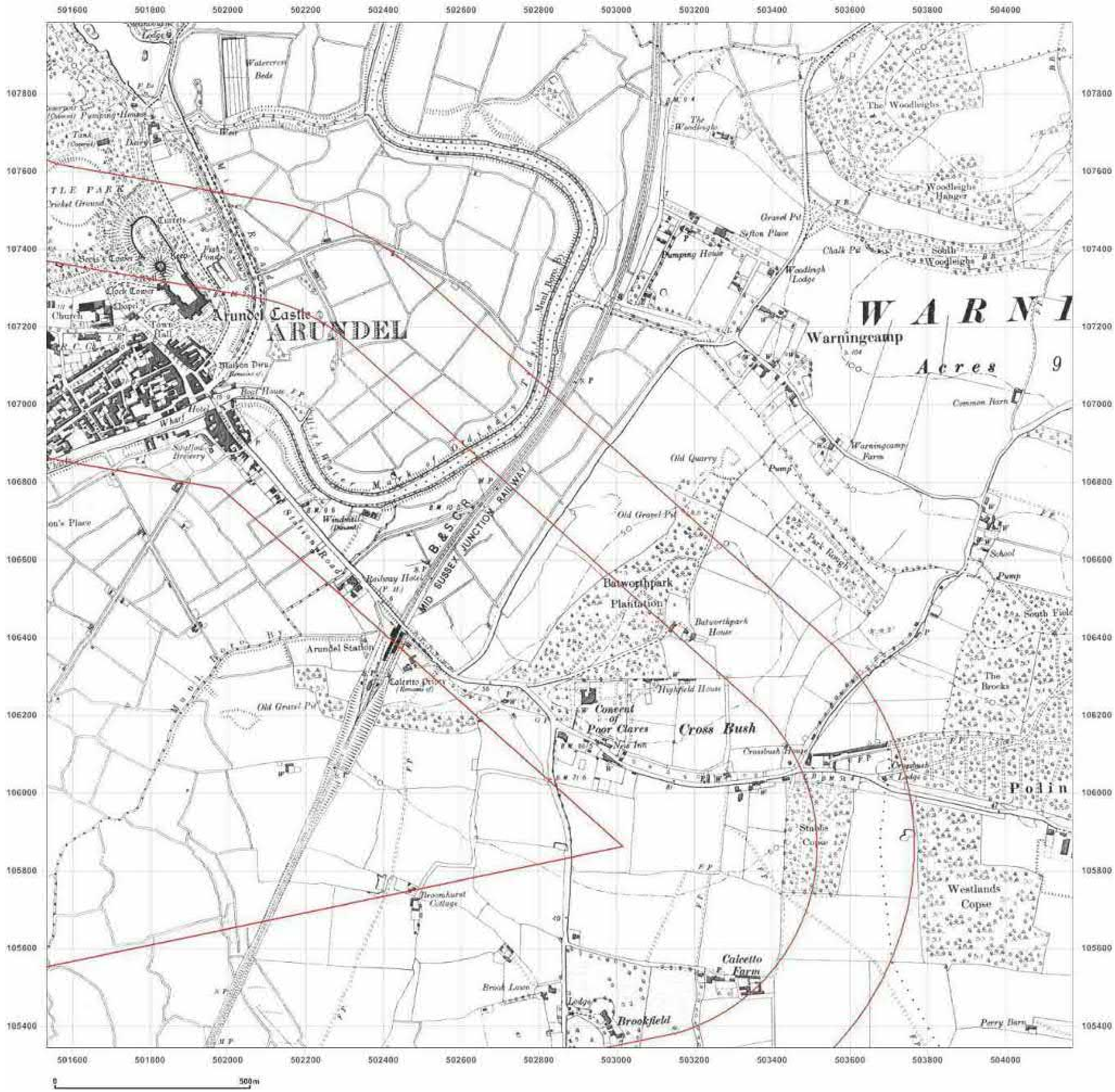

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1876
Revised 1896
Edition N/A
Copyright N/A
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Production date: 29 April 2015

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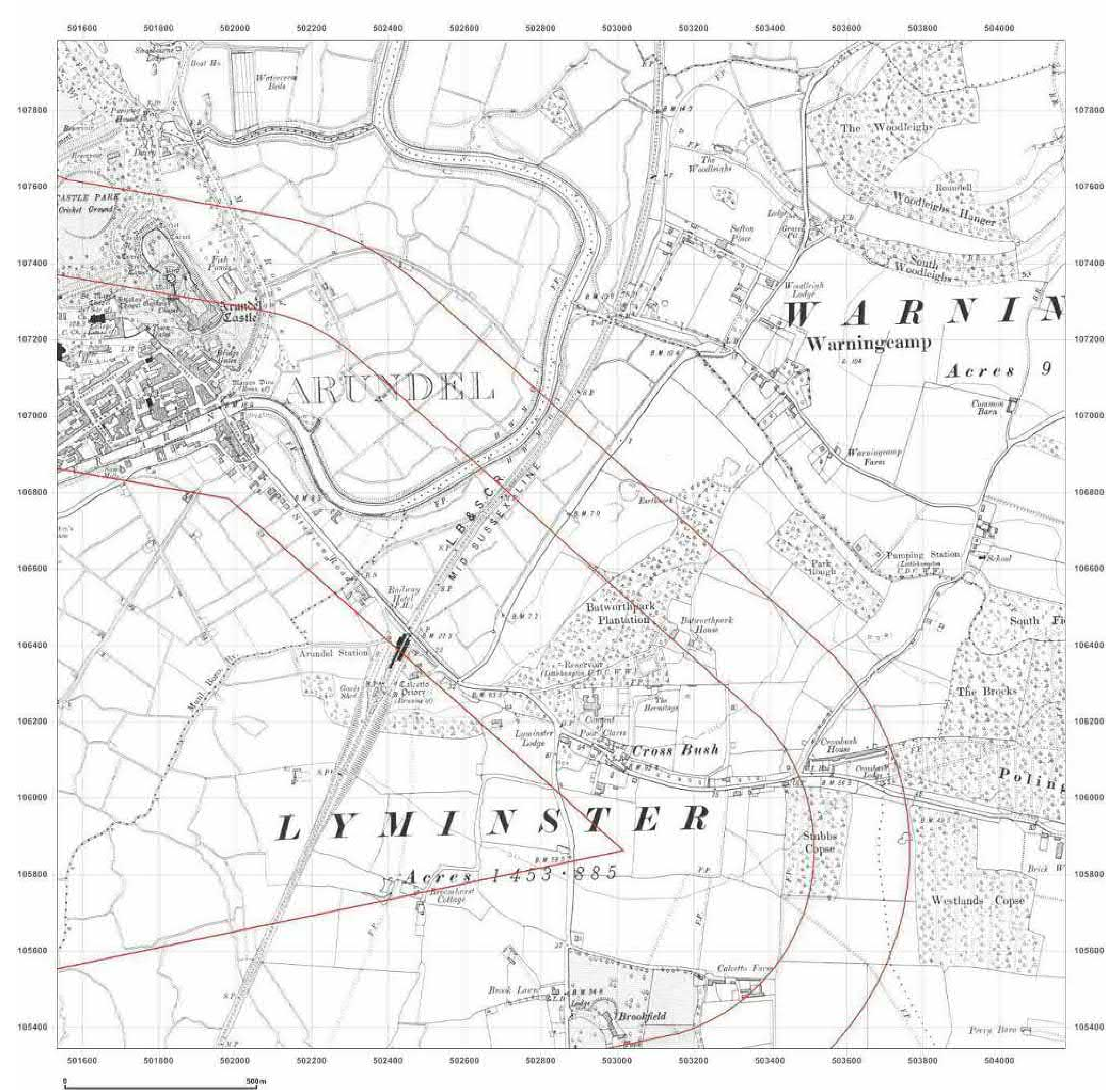

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: County Series

Map date: **1910**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1875
Revised 1910
Edition N/A
Copyright N/A
Levelled N/A

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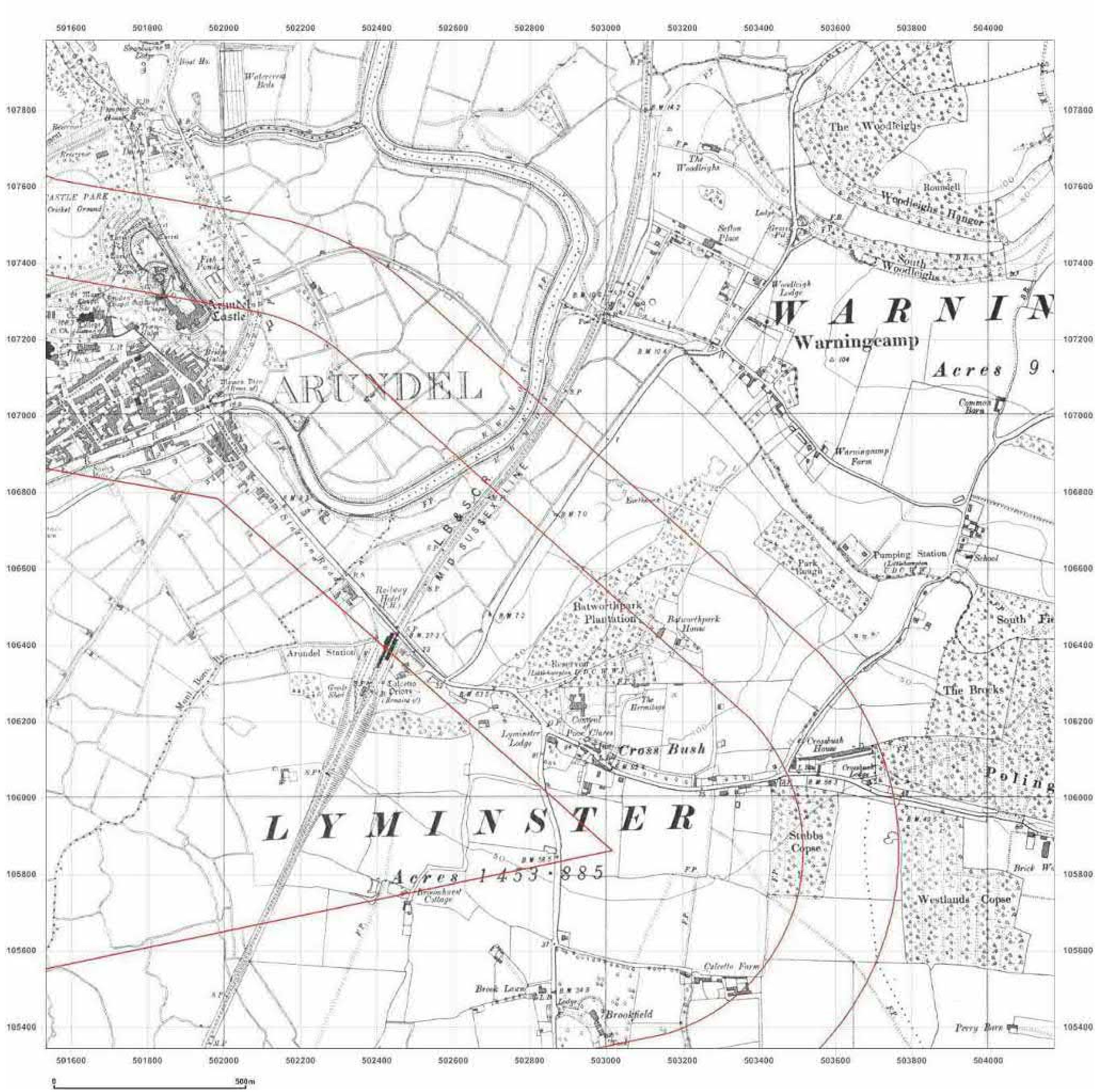
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1875
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

To view map legend click here *Legend*

Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: County Series

Map date: **1946**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1875
Revised 1946
Edition N/A
Copyright N/A
Levelled N/A

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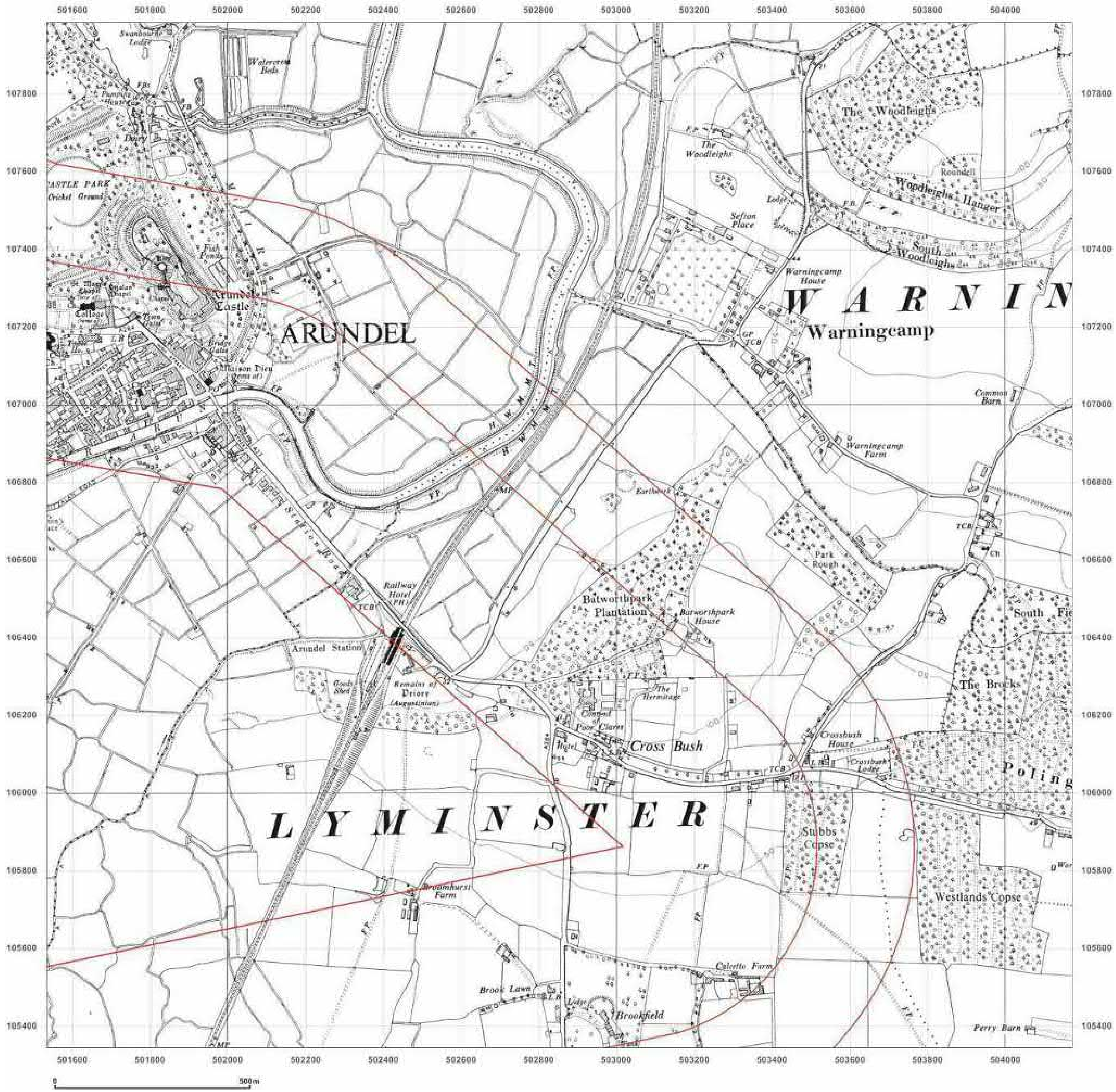
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: Provisional

Map date: **1957**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1957
Revised 1957
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 April 2015

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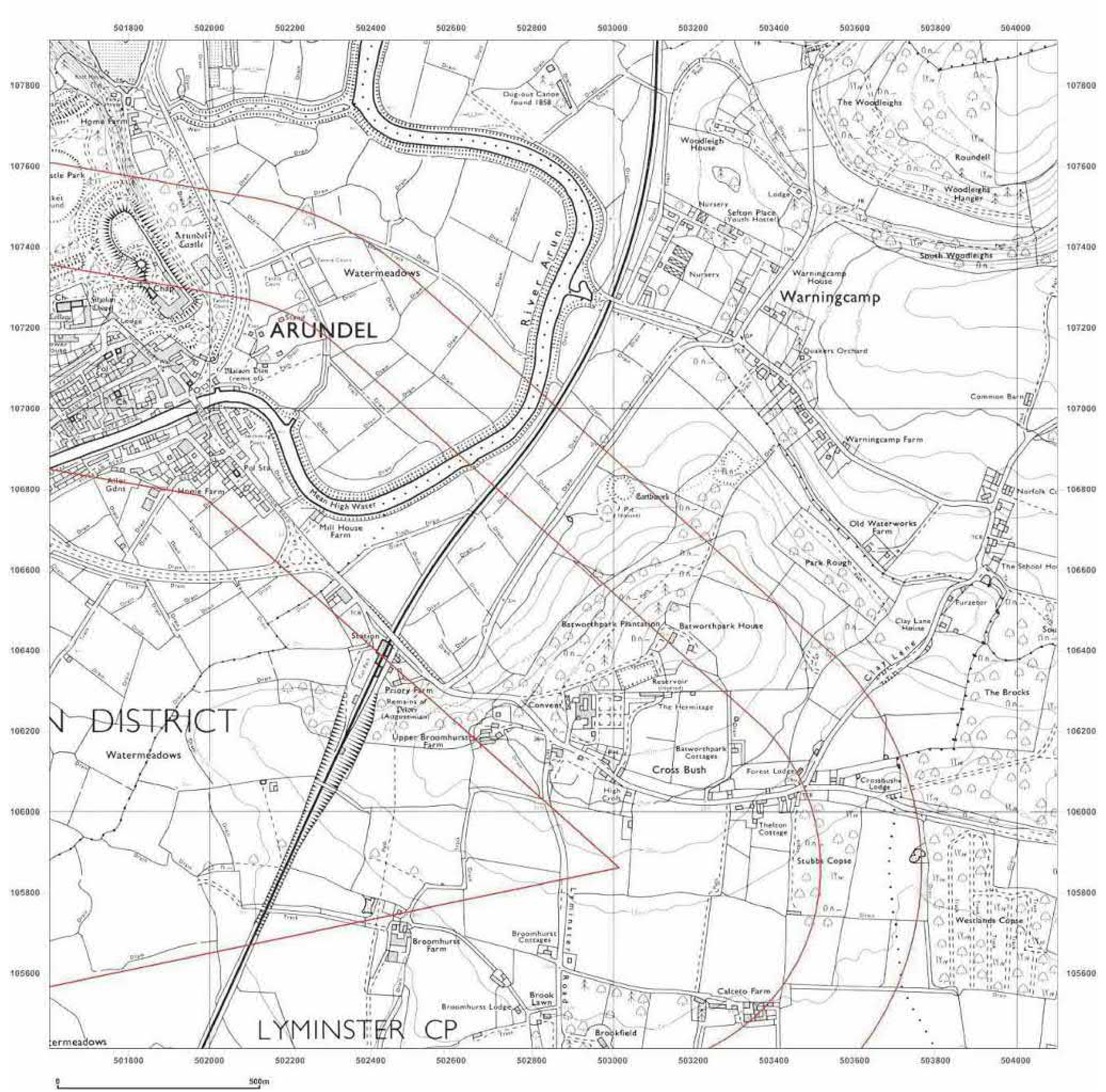

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: National Grid

Map date: 1974

Scale: 1:10,000

Printed at: 1:10,000

N
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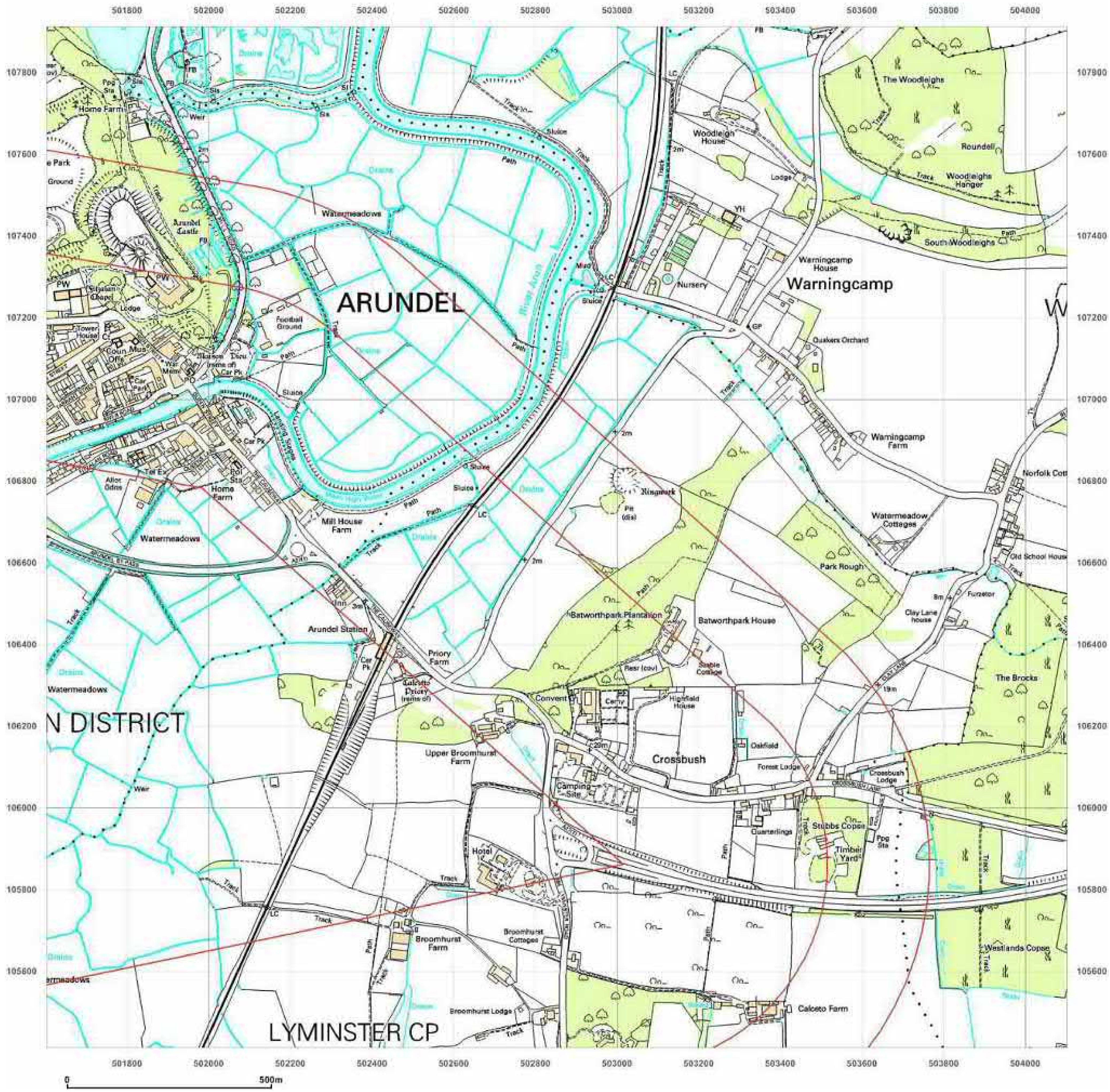
Production date: 29 April 2015

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: 1:10,000 Raster

Map date: **2002**

Scale: 1:10,000

Printed at: 1:10,000

N
W E
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2002

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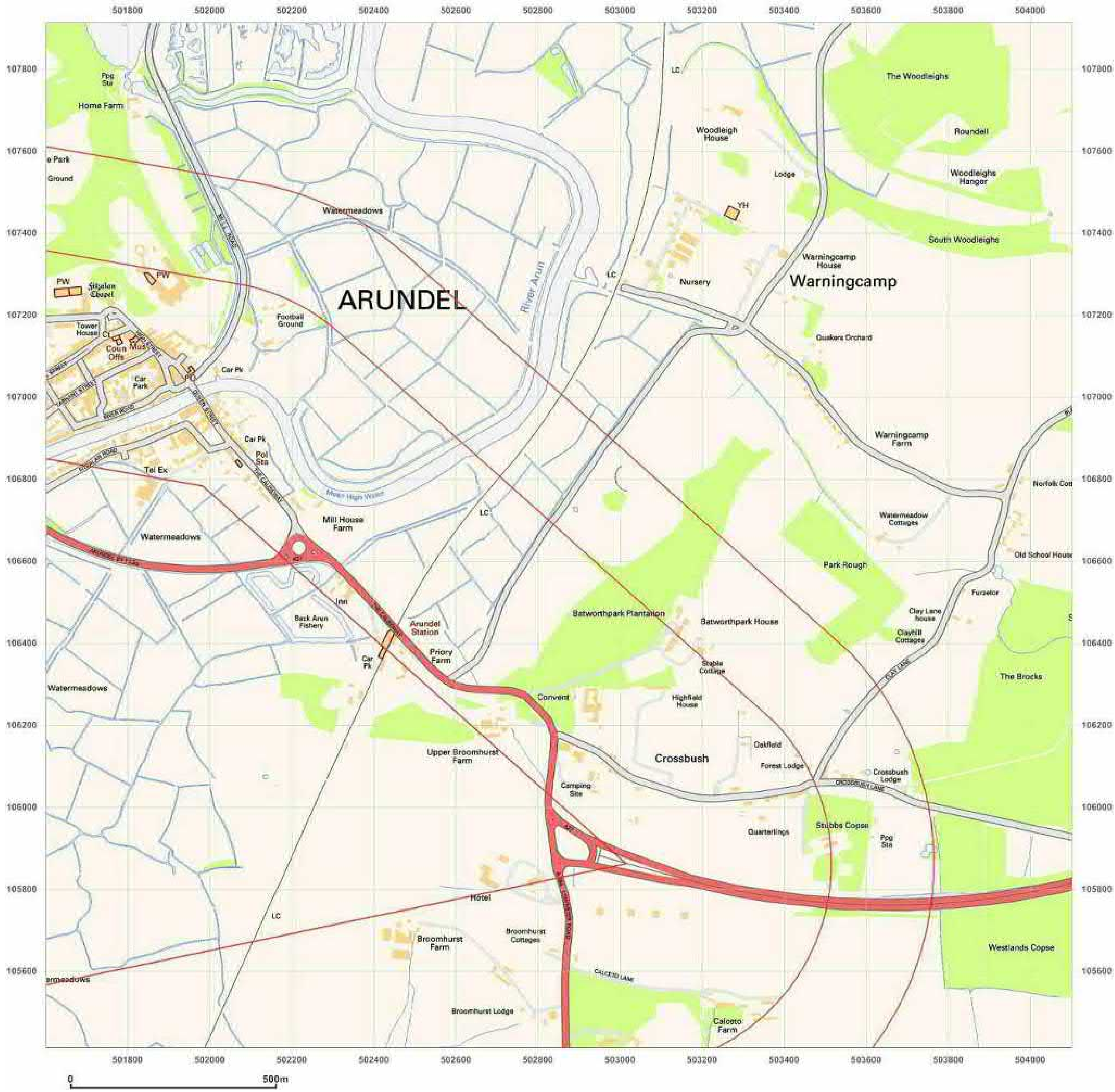
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

N W E S

2010

Produced by
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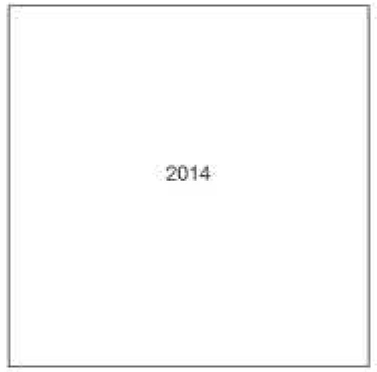
W: www.groundsure.com

Production date: 29 April 2015

To view map legend click here *Legend*



Site Details:

ARUNDEL

Client Ref: PO86494
Report Ref: GS-2047500_SS_4_2
Grid Ref: 502852, 106663

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

N
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2014

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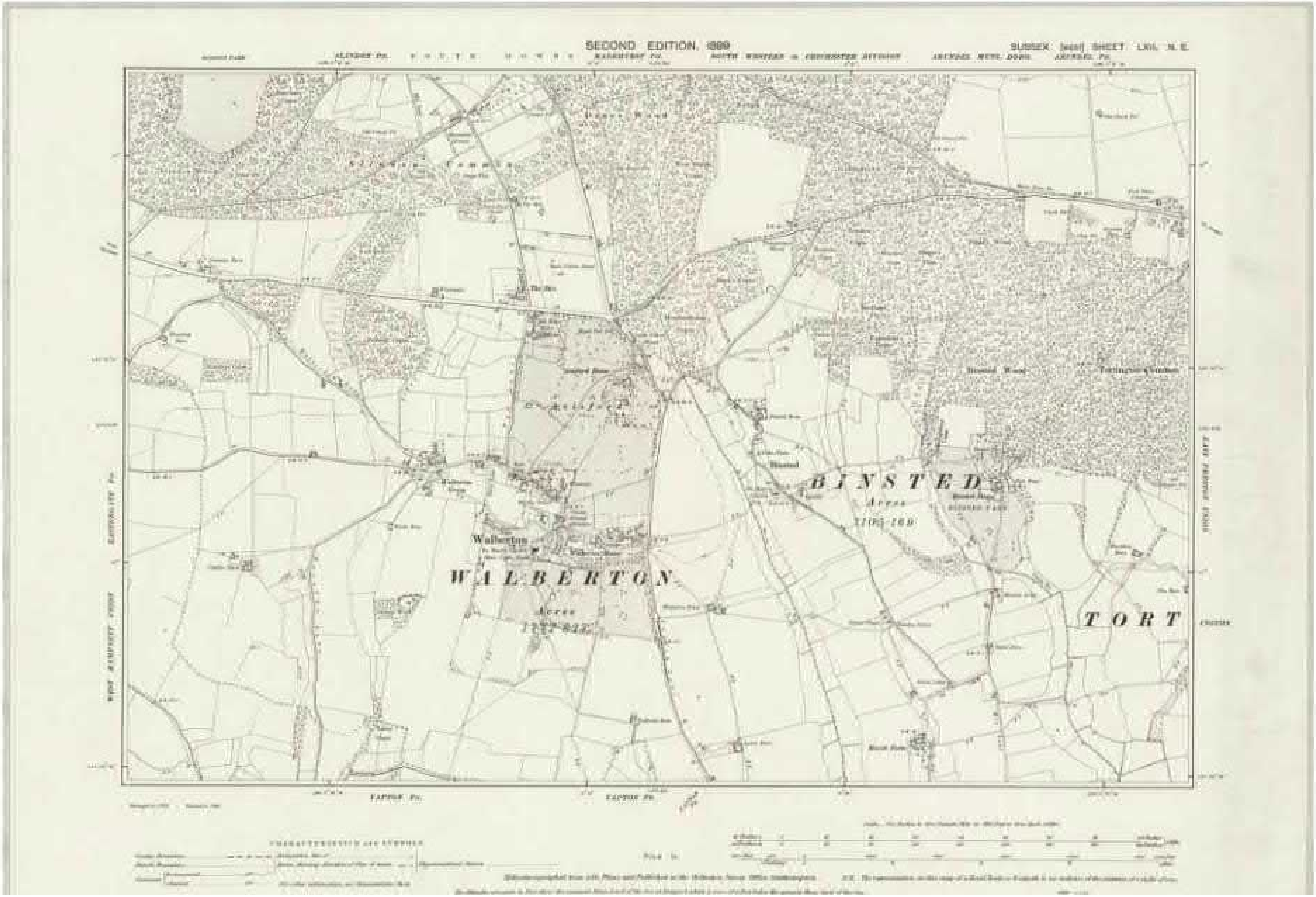
Production date: 29 April 2015

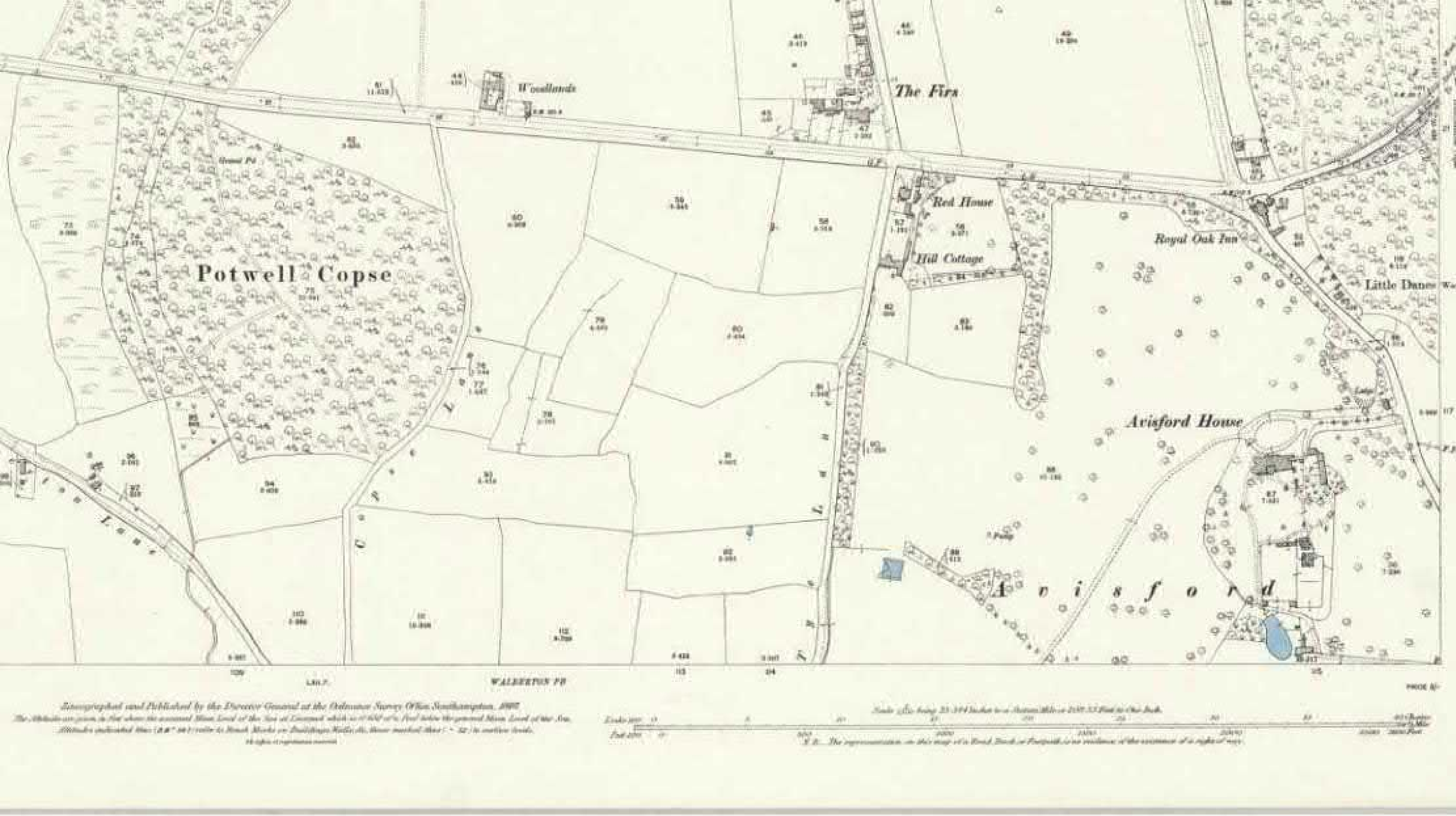
To view map legend click here *Legend*



SECOND EDITION, 1899
SUSSEX (WEST) SHEET LXII. N.E.
WALBERTON
BINSTED
Walberton
TORT

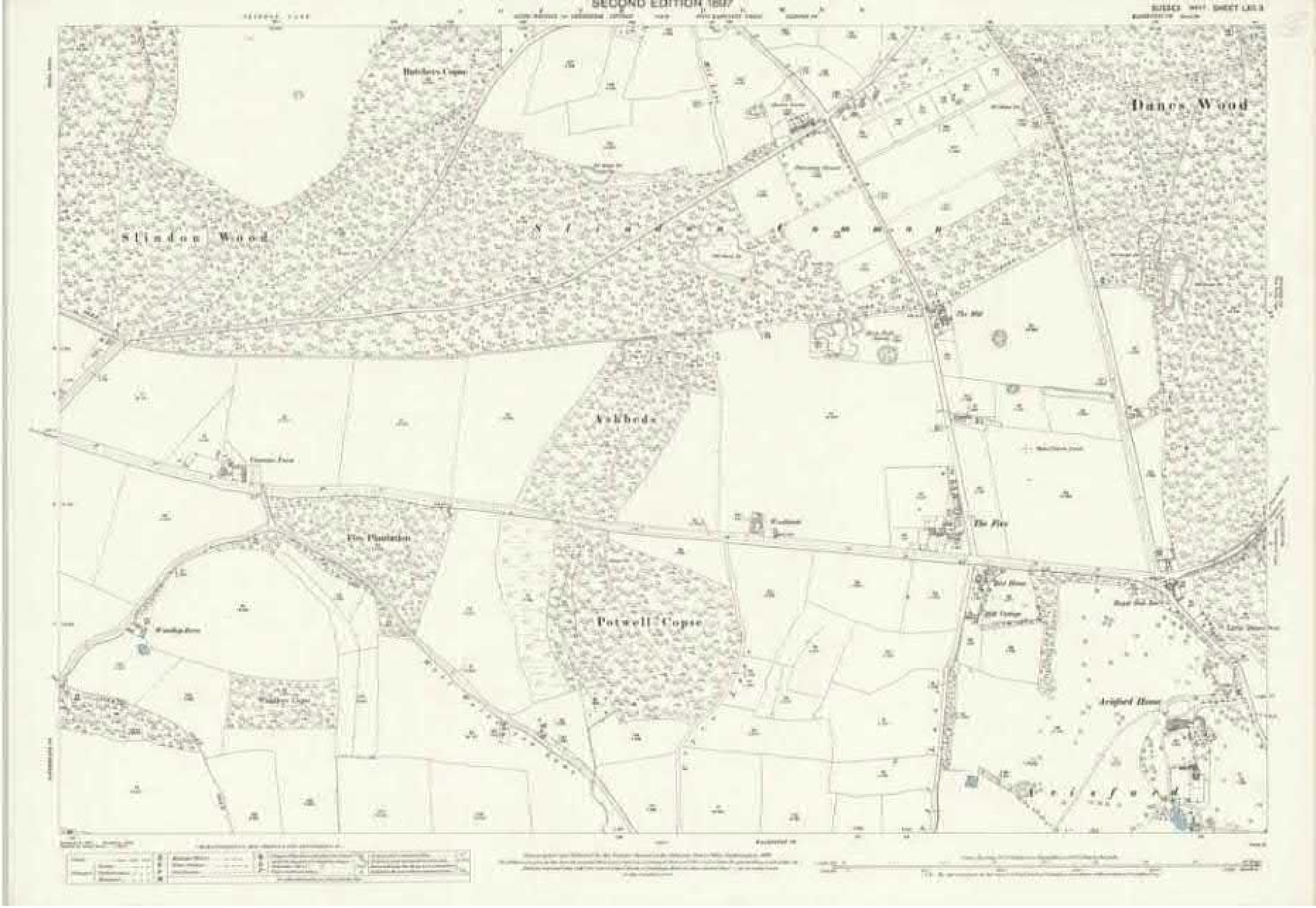
View: Sussex LXII.NE (includes: Madehurst; Slindon; Tortington; Walberton; Yapton.) - Ordnance Survey Six-inch England and Wales, 18
http://maps.nls.uk/view/101435559


W A L B E R T O N
Walberton
Walberton Green
Binsted
Avisford House
Ashbeds
Woodlands
Church Farm
St. Mary's Church
Cricket Ground
Pavilion
Stempe Wood
Tinsmoor Wood
Barn Copse
Little Danes Wood
Fairmead Copse
Old Bridge Road
Binsted Lane
Arun and South West Sussex Rivers

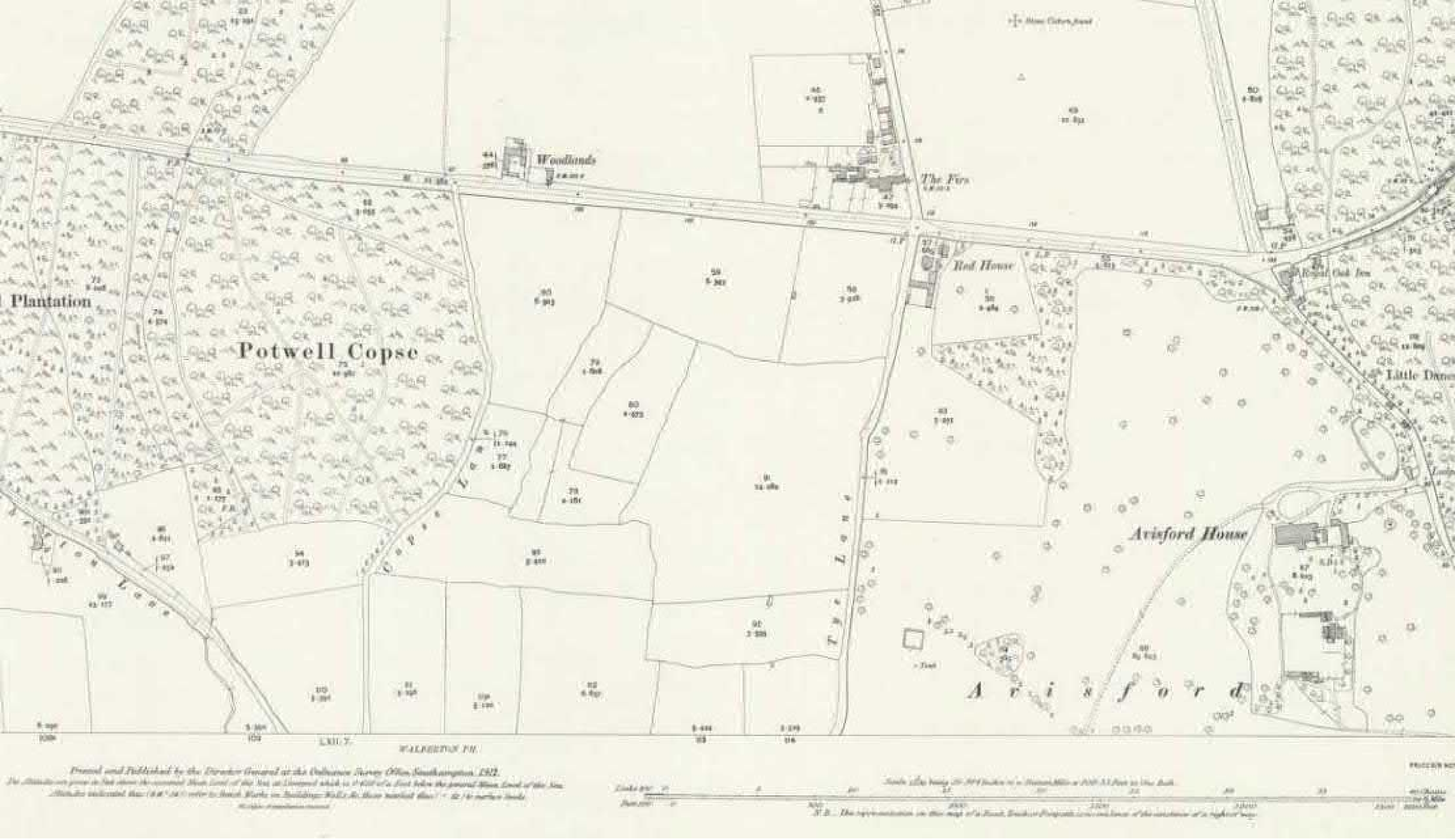


View: Sussex LXII.3 (includes: Slindon; Walberton) - Ordnance Survey 25 inch England and Wales, 1841-1952
http://maps.nls.uk/view/103673515

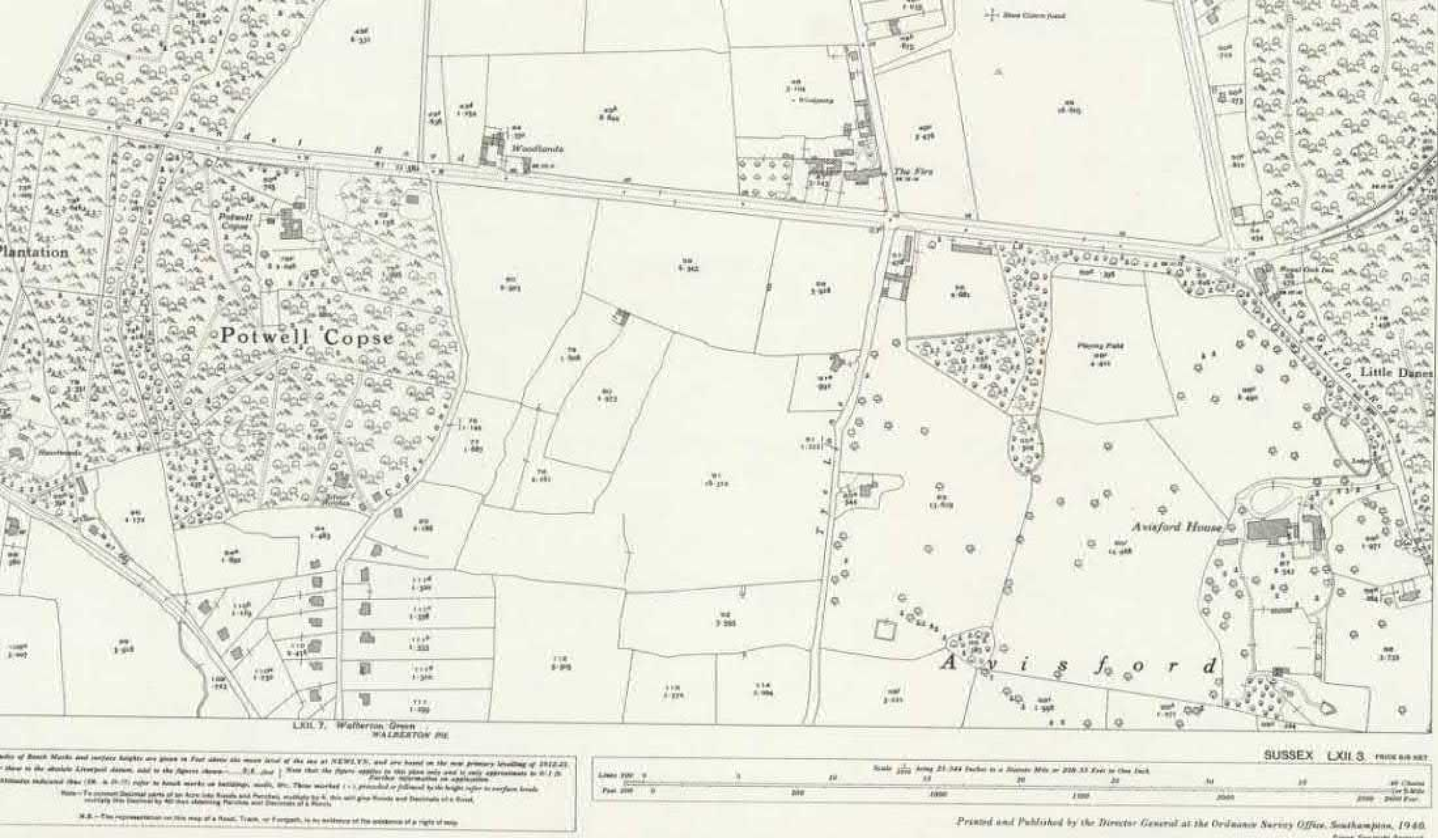
View: Sussex LXII.NE (includes: Madehurst; Slindon; Tortington; Walberton; Yapton.) - Ordnance Survey Six-inch England and Wales, 18
http://maps.nls.uk/view/101435562



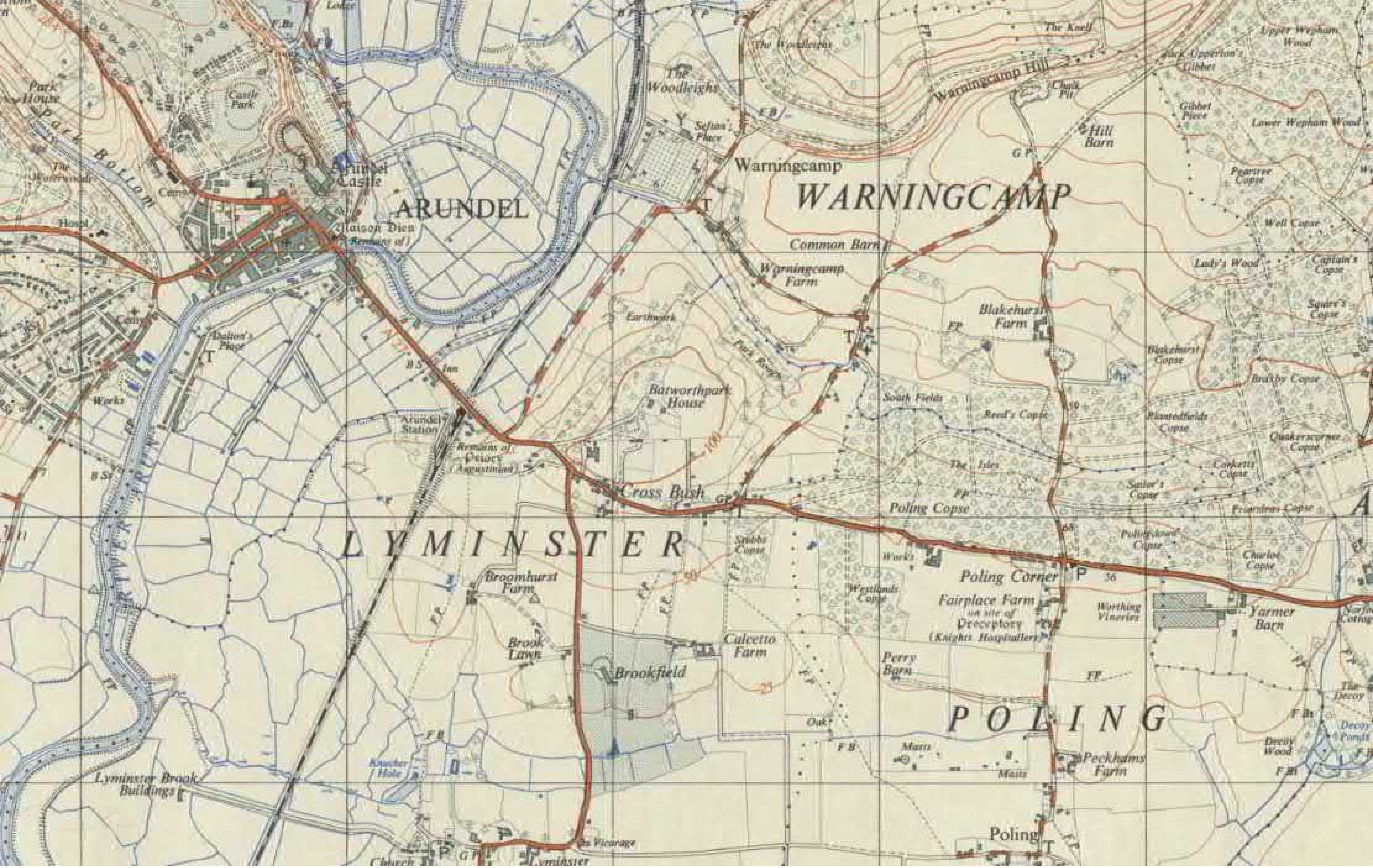
View: Sussex LXII.3 (includes: Slindon; Walberton) - Ordnance Survey 25 inch England and Wales, 1841-1952
http://maps.nls.uk/view/103673515



View: Sussex LXII.3 (includes: Slindon; Walberton) - Ordnance Survey 25 inch England and Wales, 1841-1952
http://maps.nls.uk/view/103673512


Potwell Copse
Potwell Copse
Plantation
Woodlands
The Firs
Little Danes
Avisford House
Avisford
LXII. 7. Walberton Green
WALBERTON PH.
SUSSEX LXII.3
Printed and Published by the Director General at the Ordnance Survey Office, Southampton, 1940.

View: Sussex LXIII.NW (includes: Arundel; Lyminster; Poling; South Stoke; Tortington; ... - Ordnance Survey Six-inch England and Wales
http://maps.nls.uk/view/101435586



View: TQ00 (includes: Arundel; Littlehampton) - Ordnance Survey 1:25,000 maps of Great Britain, 1937-1961
http://maps.nls.uk/view/95750105