

DESK STUDY REPORT
for
SOUTHLEIGH PARK HOUSE, EASTLEIGH ROAD
HAVANT, HAMPSHIRE
PO9 2PE
on behalf of
ARDENT CONSULTING ENGINEERS

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FIGURES

FIGURE 1: Site Location Plan

APPENDICES

APPENDIX A: Desk Study Information



1.0 INTRODUCTION

1.1 General

Geo-Environmental Services Limited, 'Geo-Environmental', was instructed by Ardent Consulting Engineers to undertake a desk study of the geotechnical and environmental factors pertaining to the proposed development site referred to Southleigh Park House, Eastleigh Road, Havant, Hampshire, PO9 2PE (Figure 1). The centre of the site was located at National Grid Reference 473720, 107960.

1.2 Form of Development

It was understood that the proposed development was to comprise the redevelopment of the offices to residential use, the demolition of a number of the buildings and further residential development within the grounds which would include private and communal gardens, soft landscaping, access roads and associated infrastructure.

1.3 Objectives

This desk study has been developed herein in the form of a conceptual site model and a Preliminary Risk Assessment (PRA) in accordance with CLR11. The objective of the risk assessments was to determine the risks posed to the proposed redevelopment, adjacent land users, and the wider environment, in the context of the existing planning regime.

1.4 Standards

Where practicable, the ground investigation and subsequent environmental assessments were undertaken in accordance with the following documents and guidance:

- British Standards Institute - Code of Practice for Site Investigations (BS5930:2015).
- British Standards Institute - Code of Practice for the Characterisation and Remediation from Ground Gas in Affected Developments (BS8485:2015).
- British Standards Institute - Eurocode 7 – Geotechnical Design - Parts 1 & 2 (BS EN1997-1:2004 & BS EN1997-2:2007).
- British Standards Institute - Investigation of Potentially Contaminated Sites - Code of Practice (BS10175:2011).
- British Standards Institute - Soils for Civil Engineering Purposes (BS1377:1990).
- Building Research Establishment - The Performance of Building Materials in Contaminated Land (BRE255) (1994).
- Building Research Establishment – Soakaway Design (Digest 365) (1991).
- Construction Industry Research and Information Association - Assessing risks posed by hazardous ground gases to buildings (C665) (2007).
- Department for Communities and Local Government - National Planning Policy Framework (2012).
- Department for Environment Food and Rural Affairs and Environment Agency - Model Procedures for the Management of Contaminated Land (CLR11) (2004).
- Department of Environment - Industry Profiles (1995 - 1996).



- Environment Agency - Guidance for waste destined for disposal in landfills (2006).
- Environment Agency - Guidance on Requirements for Land Contamination Reports (2005).
- National House Building Council, Environment Agency & Chartered Institute of Environmental Health - Guidance for the Safe Development of Housing on Land Affected by Contamination (R&D Publication 66) (2008).
- National House Building Council - Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (10627-R01[04]) (2007).
- National House Building Council – Standards, Chapter 4.1 Land Quality - Managing Ground Conditions (1999).
- BS8485 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings (2015).

1.5 Conditions

The data collected from the desk study has been used to provide a preliminary assessment of the geo-environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained.

Geo-Environmental Services Limited takes no responsibility for conditions that either have not been revealed in the available records. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.

Information contained in the report is intended for the use of the Client, and Geo-Environmental Services Limited can take no responsibility for the use of this information by any third party for uses other than that described in this report.

Geo-Environmental Services Limited does not indemnify any third parties against any dispute or claim arising from any finding or result of this investigation or any claim or dispute arising as a result of any decisions made thereof.



2.0 DESK STUDY

The findings of the Phase I Desk Study are presented in the following section. A copy of the historical maps and background information obtained as part of the desk study is presented in Appendix A.

Comments made in the following sections regarding possible ground conditions on the site are based purely on the desk study. Confirmation of ground conditions can only be provided through undertaking site specific intrusive investigation.

2.1 Site Description

The site comprised a roughly rectangular shaped plot which sloped gently down towards the south-west with an approximate change in height of 10m across the site.

At the time of the walkover, the site was occupied by a number of buildings and these included, on its southern portion, a large vacant two storey period manor house (Southleigh Park House) which had been converted into offices, together with a large contemporary U shaped office block located centrally. Further smaller office buildings of contemporary construction were also located centrally between the larger structures. Car parking areas were noted to the north of the main office building within the northern third of the site and also within the south-eastern corner. An access road was noted around the perimeter of the central portion of the site.

A derelict period two storey building was also noted on the north-eastern extremity of the site fronting onto Horndean Road. An electricity sub-station was noted some 20m to the south of the building also fronting onto Horndean Road.

The grounds of the site were landscaped with many mature trees, shrubs and hedges. A large lawn and pond was noted within the southern portion.

The site was bound by a mixture of close boarded fencing, a brick wall, chain link fencing, mature trees and hedges.

The surrounding area comprised fields to the east, south and west, with a hospital to the north. Site access was via Eastleigh Road to the west.

2.2 Historic Mapping

Historic maps dating back to 1866 were obtained as part of the desk study. A summary of the apparent key features observed on the map extracts both on the site and in the local area is presented within Table 2.1.

Date	On Site	Off Site
1866	The site comprised 'Woodlands' which was a private estate with a large private house located centrally with several outbuildings adjacent. Within the northern portion were five further buildings. The remainder of the site	The surrounding area comprised fields and woodlands with a gravel pit and pond c.55m north-east. A further gravel pit was indicated c.120m west.



Date	On Site	Off Site
	comprised landscaped gardens with a large pond within the south-western portion.	
1870	Few changes since the previous map edition.	Few changes since the previous map edition.
1889	Few changes since the previous map edition.	An additional pond was indicated c.20m north-east.
1897	The property had been renamed 'South Leigh', six buildings were clearly defined on-site along with four glass houses.	The pond c.20m north-east was no longer indicated. The pit to the west was labelled old gravel pit.
1898	Few changes since the previous map edition.	A further gravel pit was indicated c.10m east.
1899	Few changes since the previous map edition.	Few changes since the previous map edition.
1909	Few changes since the previous map edition.	The old gravel pit to the west appeared disused, the pit to the east was labelled old gravel pit.
1910-1933	Few changes since the previous map edition.	Few changes since the previous map edition.
1938	The site was now labelled 'Southleigh Park'.	Few changes since the previous map edition.
1952-72	Few changes since the previous map edition.	Few changes since the previous map edition.
1969-90	The site was referred to as 'Southleigh Park House'. A large building was indicated within the central northern portion.	The gravel pit to the north-east was no longer indicated. A hospital was indicated c.20m north.
1973-75	Few changes since the previous map edition.	Few changes since the previous map edition.
1983 Russian	Few changes since the previous map edition.	Few changes since the previous map edition.
1991-92	Few changes since the previous map edition.	There had been much residential development to the south-east and to the west.
1993	Few changes since the previous map edition.	Few changes since the previous map edition.
1999	Few changes since the previous map edition.	A rubbish tip was indicated c.400m north-east.
2000	Few changes since the previous map edition.	A tip was indicated as disused c.550m north-east, whilst the existing tip boundary was c.110m north-east.
2006	Few changes since the previous map edition.	Few changes since the previous map edition.
2016	Few changes since the previous map edition.	The tip was indicated to form a landfill.

Table 2.1 Summary of Historical Map extracts

2.3 Geology

With reference to British Geological Survey (BGS) mapping, the geology of the site was anticipated to comprise Head Deposits overlying London Clay.



Head Deposits are drifts produced by solifluxion, the downslope movement of debris outwash during the periglacial period, and characteristically comprise poorly sorted sands gravels and chalk of local derivation.

London Clay comprises a stiff grey fissured clay, weathering to brown near surface. Concretions of argillaceous limestone in nodular form (Claystones) occur throughout the formation. Crystals of gypsum (Selenite) are often found within the weathered part of the London Clay, and precautions against sulphate attack to concrete are sometimes required.

The lowest part of the formation is a sandy bed with black rounded gravel and occasional layers of sandstone and is known as the Basement Beds.

2.4 Hydrogeology

With reference to information obtained from the Envirocheck Data and the Environment Agency the following aquifer designations were identified on site:

Deposit Type	Geological Formation	Aquifer Designation
Superficial	Head Deposits	Secondary 'A'
Bedrock	London Clay	Unproductive Strata

Table 2.2 Summary of Aquifer Designations

Secondary 'A' aquifers comprise 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.

Unproductive Strata's are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

According to information provided by the Environment Agency the site is within an Inner Zone (subsurface activity only) 1c Source Protection Zone (SPZ). An SPZ is a protection zone placed around a well or borehole that supplies groundwater of potable quality. An SPZ is divided into three zones defined as follows:

- Zone I – Travel time (of water) of 50 days or less to the groundwater source.
- Zone II – Either 25% of the source area or a travel time of 400 days whichever is the greater.
- Zone III – The total area needed to support the discharge and abstraction from the protected groundwater source.

No licensed groundwater abstractions were recorded within 500m of the site.

No recorded pollution incidents to controlled waters were identified within 250m of the site boundary.

No discharge consents to controlled groundwater were identified within 250m of the site boundary.



2.5 Hydrology

With reference to the Envirocheck Data, the closest surface water feature was on-site (pond).

The site is indicated to be outside of any area of extreme flooding from rivers or sea. The area of the pond on-site was indicated to be within a high risk (30 year return) from surface water flooding. The BGS flood GFS data map indicated the site had the potential for groundwater flooding to occur at surface level across the site.

2.6 Sensitive Land Uses

A search was made of environmentally sensitive areas, including areas of green belt, scenic or natural beauty, parks, reserves, nitrate zones, protected conservation and scientific areas.

The site is indicated to be within a nitrate vulnerable zone. A nitrate vulnerable zone is a conservation designation of the Environment Agency for areas of land that drain into nitrate polluted waters, or waters which could become polluted by nitrates.

2.7 Environmental Data

Searches of other various environmental databases were made as part of the desk study, including air pollution control sites, Part IIA contaminated land, Integrated Pollution Control (IPC) and Integrated Pollution Prevention and Control (IPPC) sites, registered radioactive substances, COMAH sites, explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS) sites, planning permissions for sites involving hazardous substances, contemporary trade directories and fuel station registers.

Two active and inactive Contemporary Trade Directory Entries were noted within a radius of 250m of the site boundary which are associated with contaminative activities/materials, details of which are given below:

Name	Location	Classification/Status	Distance From Site
Southleigh Landfill Site	Badgers Cottage, PO9 2PB	Waste disposal services	70m NE
Portsmouth Hospital	Havant, PO9 5NP	Hospitals	142m N

Table 2.3 Summary of Contemporary Trade Directory Entries

No Local Authority Pollution Prevention and Control sites were identified within 250m of the site boundary.

2.8 Geochemistry

A large portion of the UK's urban soils have naturally elevated concentrations of some potentially harmful chemicals. In some cases these exceed the Environment Agency CLR soil guideline value (SGV), (C4SL) Category 4 Screening Levels and/or the Land Quality Management/Chartered Institute of Environmental Health (LQM/CIEH) generic assessment



criteria (GAC). A summary of the measured urban soil chemistry for the area is presented in the following table:

Determinand	Concentration (mg/kg)	In Excess of SGV/GAC*?
Arsenic	<15	No
Cadmium	<1.8	No
Chromium	60-90	No
Lead	<100	No
Nickel	15-30	No

Table 2.6 Summary of Site Geochemistry

NOTE: * Comparative SGV concentrations are for a residential end use with plant uptake

It should be noted that these values are not necessarily representative of the site's soil chemistry. Furthermore, SGVs, C4SLs and GACs are dependent on pH and soil organic matter content. Therefore, concentrations of specific determinands and the utilised SGV/C4SLs/GAC cannot be determined without site specific investigation and analysis.

2.9 Geotechnical Data

The site lies within an area considered by the Coal Authority that might not be affected by mining activities.

National databases for a number of geological hazards have been compiled by the BGS, and a summary of the hazard data pertaining to the site is presented on the following table below. In accordance with BGS recommendations, the highest rating within 50m of the site boundary (or a 250m radius for shallow mining) has been recorded.

Hazard	Designation
Non coal mining area	No hazard
Collapsible ground	Very low
Compressible ground	No hazard
Ground dissolution	No hazard
Landslide	Very low
Running sand	No hazard
Swelling clay	Low

Table 2.7 Summary of BGS Geological Hazards

Three BGS recorded mineral sites were identified within 250m of the site boundary:

- 26m NE – South Leigh Gravel Pit, sand and gravel, opencast, ceased.
- 137m W – South Leigh Gravel Pit, sand and gravel, opencast, ceased.
- 195m NE – South Leigh Gravel Pit, sand and gravel, opencast, ceased.

2.10 Ground Gases

A search of BGS recorded landfill sites, IPC registered waste sites, licensed waste management facilities, local authority recorded landfill sites, other registered landfill sites, waste transfer stations, and other waste treatment or disposal sites was undertaken as part



of the desk study. Such sites may form an artificial source of ground gases, such as carbon dioxide and methane, where wastes are buried or disposed of to landfill.

Three registered landfills were identified within 500m of the site boundary:

- 353m N – Summerdown Ltd, Southleigh Forest, authorised waste included adhesive wastes, ceramics, clays, commercial and industrial paper and packaging, construction and demolition wastes, cork, cullet, electrical fittings, fixtures and appliances, enamels, foundry and moulding sands, hard-core and builders waste, oiled paper, tarred paper, pottery, china, products of complete polymerisation, sand, chalk, gravel and natural earth spoils, sands, silica, sawdust, sanderdust, slags ex manufacturing iron/steel/copper/tin, solid rubber excluding tyres, timber wood offcuts, hardboard, waste excluding highway maintenance and construction, dated 30/11/1984, licence lapsed.
- 353m N – George Ewen Ltd, Southleigh Forest, authorised waste included ceramic waste, construction and demolition waste, cork, electrical goods, tvs and whiteware, enamels, excavated natural minerals, foundry sand, glass/cullet, hardcore and rubble, other minerals, polymeric material products and scrap, pottery making waste, road making materials, sand, sawdust bark, scrap rubber (including tyres), slag boiler/flue cleanings, synthetic adhesive wastes, timber and other organic material, wood waste timber, 27/01/1984, status superseded.
- 413m N – Leigh Environmental (Southern) Ltd, authorised waste included adhesive wastes, ceramics mica, clays, construction and demolition wastes, contaminated land clearance waste, cork, cullet, electrical fittings/fixtures/appliances, enamels, ferrous metals, food/food processed waste, hard solid wastes, insoluble in water acid, household waste, maximum waste permitted by licence stated, metal swarf, non-ferrous metals, oiled/tarred paper, paper/packaging excluding commercial and industrial premises, pottery/china, products of complete polymerisation, sand/chalk/gravel and natural earth spoils, sawdust/sanderdust, solid rubber, timber, tyres, vegetable matter, wood offcuts, 01/11/1991, operational.

2.11 Radon

Reference has been made to the Envirocheck data report. The report indicates that the site lies in an area where radon protection measures are not required.

2.12 Previous Ground Investigations

Geo-environmental was not aware of any previous ground investigations which may have been undertaken on the site.

2.13 Generic Contamination

The desk study has identified that the site originally comprised a private house before being developed as its current use as offices, which are not associated with any specific source of contamination.

However, it is possible that the near surface soils may have been impacted by asbestos, heavy metals and organic pollutants such as PAHs through direct placement/introduction of



materials such as ash, clinker or the like during the historic use of the site and/or through aerial deposition.

2.14 Ground Gas Summary

The desk study has identified the presence potential sources of ground gas off-site from nearby landfills. It would be recommended that gas monitoring be undertaken to verify the findings of the desk study report and to ensure that ground gas hazards are assessed in order to clarify the risk of harm to the proposed end users.

Vapour intrusion is the migration of volatile chemicals from the subsurface into overlying buildings. Volatile chemicals in contaminated soils or groundwater can emit vapours that may migrate through subsurface soils and into indoor air spaces of overlying buildings in way to that of radon gas seeping into homes.

Methane is an asphyxiating flammable and toxic gas with a density about two-thirds that of air. Methane is toxic at concentrations in excess of 30%v/v and flammable at concentrations of between 5% and 15% by volume in air. Such a methane-air mixture will explode where confined in some way and ignited. The 5% by volume concentration is termed the lower explosive limit (LEL).

Carbon dioxide is a non-flammable toxic and asphyxiating gas which is about 1.5 times heavier than air. In addition, the presence of elevated carbon dioxide may be in conjunction with depleted concentrations of oxygen. Carbon dioxide is inflammable and may affect the flammability of methane by correspondingly reducing the concentration of oxygen within an atmosphere.



3.0 PRELIMINARY RISK ASSESSMENTS

Based on the findings of the desk study the following sections summarise the anticipated geotechnical and environmental factors likely to impact the site.

3.1 Preliminary Geotechnical Risk Assessment & Engineering Options

Hazards identified as being potentially present on site could have implications for foundation design and construction. A summary of commonly occurring geotechnical hazards is given in the following table:

Geotechnical Hazard	Probability	Engineering Implications
Lateral changes in ground conditions	Likely	Variable ground conditions posed by the solid geology (can vary between clay and sand and gravel) across the site may affect foundation design.
Shrinkable soils	Likely	The more cohesive parts of the Head Deposits (superficial) and London Clay (bedrock) are likely to be shrinkable and may affect depth and type of foundations and floor slab design.
Highly compressible/low bearing capacity soils (including peat & soft clay)	Unlikely	Larger or deeper foundations may be required where soft compressible soils are encountered.
High groundwater table and/or flooding (including waterlogged ground)	Unlikely	May affect temporary works and foundation design and construction.
Significant depths of Made Ground	Unlikely	Deep Made Ground is unlikely to be encountered on-site.
Aggressive chemical ground conditions (sulphates)	Unlikely	Aggressive ground conditions are unlikely to be encountered on-site.

Table 3.1 Possible Geotechnical Hazards

3.2 Foundations & Ground Engineering

The recommendations made in the following section are based on the anticipated ground and groundwater conditions identified during the desk study. All geotechnical aspects should be confirmed through detailed intrusive investigation.

3.2.1 Foundations

The choice and design of foundations is highly dependent on the height and loading of a particular development and the underlying geology. As such, it is difficult to provide general advice of foundations for the whole site.

Dependent on the depth of any Made Ground, it is likely that traditional trench fill foundations could be adopted. However, the presence of shrinkable soils in association with large trees and hedges may dictate that piled foundations be adopted in certain areas of the site.



3.2.2 Ground Floor Slabs

Ground bearing floor slabs are likely to be unsuitable for the proposed development due to the potential for the presence of shrinkable soils.

3.2.3 Excavations

Both shallow and deeper excavations within any Made Ground or granular horizons of the superficial deposits and underlying bedrock may be prone to collapse and some form of temporary support or battering back to a safe angle may be necessary.

Deeper excavations with the more cohesive horizons of the Head Deposits and London Clay are likely to remain relatively stable in the short to medium term. However, clays will soften rapidly when exposed to water.

Any excavation taken below the groundwater table will become highly unstable and some form of temporary support and dewatering would likely be necessary.

3.2.4 Soakaways

The ground conditions are unlikely to be suitable for the use of shallow soakaways due to their potential clay content. However, site specific full scale soakage testing would be required to confirm this.

3.3 Preliminary Environmental Conceptual Site Model & Risk Assessment

3.3.1 Methodology

A Preliminary Risk Assessment (PRA) and Conceptual Site Model (CSM) have been prepared in accordance with CLR11 based on information obtained as part of the Desk Study. Possible risks associated with potential sources of contamination and sensitive receptors identified have been qualitatively assessed following a source-pathway-receptor (pollutant linkage) approach in accordance with current UK protocols.

A risk may only exist where a plausible pollutant linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. Under the statutory definition, "Contamination" may only strictly exist where contaminants pose a risk of harm to a receptor. Risk may be defined as a function of the likelihood and severity of any adverse effects arising from contamination. The risk classification has been assessed in accordance with CIRIA C552 (Rudland *et al.*, 2001). A summary of how the risks are derived and their definitions are presented in Tables 3.2 and 3.3.



		Consequence			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low Likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

Table 3.2 Risk Ratings Matrix

Risk Rating	Definitions
Very high risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
High risk	Harm is likely to arise to a designated receptor from an identified hazard Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not already undertaken) is required and remediation works may be necessary in the short term and are likely over the longer term.
Moderate risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.
Moderate to low risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is unlikely that any such harm would be severe, or if any harm were to occur it is probable that the harm would be relatively mild.
Low risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very low risk	There is low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

Table 3.3 Risk Rating Definitions



3.3.2 Summary of Plausible Sources

Possible sources of contamination identified or discounted as part of the Desk Study are summarised in Table 3.4.

Source	Description	Contaminants	On/Off Site
Made Ground and near surface soils	General background chemical quality of near surface soils. Made Ground may have been imported to construct areas of roads and hardstanding. Made Ground and near surface soils adjacent to the sub-station may be impacted.	Possible elevated metals, organic and inorganic contaminants. PCB's may be present in surface soils at the location of the sub-station.	On
Ground Gases (Made Ground & Vapours)	Possible presence of ground gases as a result of Made Ground (if present) and vapours associated with organic contaminants (if present). Three landfills identified within 500m of the site.	Possible elevated Methane, Carbon Dioxide, depleted Oxygen and Volatile Organic Compounds (VOCs)	Off

Table 3.4 Possible Sources of Contamination

3.3.3 Summary of Plausible Pathways

The plausible pathways are summarised in Table 3.5.

Pathway	Description
Direct Contact	Soil, dust and vegetable ingestion, dermal contact and dust inhalation.
Soil Gas Inhalation	Inhalation of soil gas both inside and outside of buildings.
Vertical & Lateral Migration	Contaminant movement both vertically through leaching/gravity and horizontally along preferential pathways or with groundwater.
Root Uptake	Uptake of soil and waterborne contaminants by plants.
Chemical Attack	Attack of buried plastics and concrete by aggressive ground conditions.

Table 3.5 Possible Contamination Pathways

3.3.4 Summary of Plausible receptors

Potential receptors associated with the site and its development, identified or otherwise discounted, are summarised in Table 3.6.

Receptor	Description	Comments	Plausible
End Users	Residential end users of the proposed redevelopment	The proposed development will include private gardens	Yes
Adjacent Land Users	Sensitive land uses identified within the immediate vicinity	Adjacent land users are predominantly residential and agricultural.	Yes
Soft Landscaping	Areas of planting including lawns, shrubs, trees, etc.	Areas of soft landscaping are proposed as part of the redevelopment	Yes



Water Supply Pipes	Plastics for potable water supply pipes may be laid in contact with contaminated soils	Made Ground may be present beneath the site.	Yes
Building Materials	Buried concrete for foundations etc. may be laid in contact with contaminated soils	The possible presence of aggressive chemical ground conditions may affect foundation design and construction.	yes
Groundwater	Controlled waters contained within the aquifer(s) beneath the site	The site overlies Secondary 'A' Aquifer and Unproductive Strata is within a Zone 1c SPZ	Yes
Surface Water	Controlled waters within lakes, rivers, and ponds, etc., or coastal waters	The nearest surface water feature was located on-site (pond).	Yes

Table 3.6 Possible Receptors of Contamination

Site workers involved in the preparation and construction of the development have not been considered in this assessment as the Principal Contractor is duty bound under the current CDM Regulations to undertake their own risk assessments with respect to their employees and develop safe systems of work.

Whilst the above sources and receptors have been identified, Table 3.7 summarises the identified plausible pollution linkages and a qualitative assessment of the risks based on the Desk Study research:

Potential Source/ media	Potential Receptors	Potential Pathways	Probability	Consequence	Risk and Justification
General chemical quality/Made Ground & Near Surface Soils	End Users	Direct contact	Likely	Mild	Moderate to Low Future end users are likely to come into contact with potentially impacted soils via direct contact in private garden areas.
	Adjacent Land Users	Direct contact	Low	Mild	Low During the development fugitive dust may be released which could impact neighboring land users through direct contact.
	Soft Landscaping	Root uptake	Likely	Mild	Moderate to Low Planting is likely within flower borders and alike.
	Water Supply Pipes	Chemical attack	Likely	Mild	Moderate to Low Water supply pipes are likely to come into contact with soils though significant contamination is not anticipated.
	Buildings and Infrastructure	Chemical attack	Likely	Mild	Moderate to Low Foundations and utilities will be placed within soils. However, the consequence is anticipated to be mild.



Potential Source/ media	Potential Receptors	Potential Pathways	Probability	Consequence	Risk and Justification
	Groundwater	Vertical migration	Likely	Mild	Moderate to Low Groundwater is anticipated to be shallow within the Head Deposits. No significant source of mobile contamination has been identified on site with the exception of potential limited volumes of hydrocarbons from spillages/leakage from parked cars and access roads
	Surface Water	Horizontal and vertical migration	likely	Mild	Moderate to low No significant source of mobile contamination has been identified on site with the exception of potential limited volumes of hydrocarbons from spillages/leakage from parked cars and access roads.
Ground Gas/Made Ground & Near Surface Soils	End Users	Inhalation	Likely	Medium	Moderate It is likely that end users of the site will come into contact with ground gases should they be present. Three registered landfills are located within 500m of the site boundaries.

Table 3.7 Plausible Pollutant Linkages & Qualitative Risk Assessment

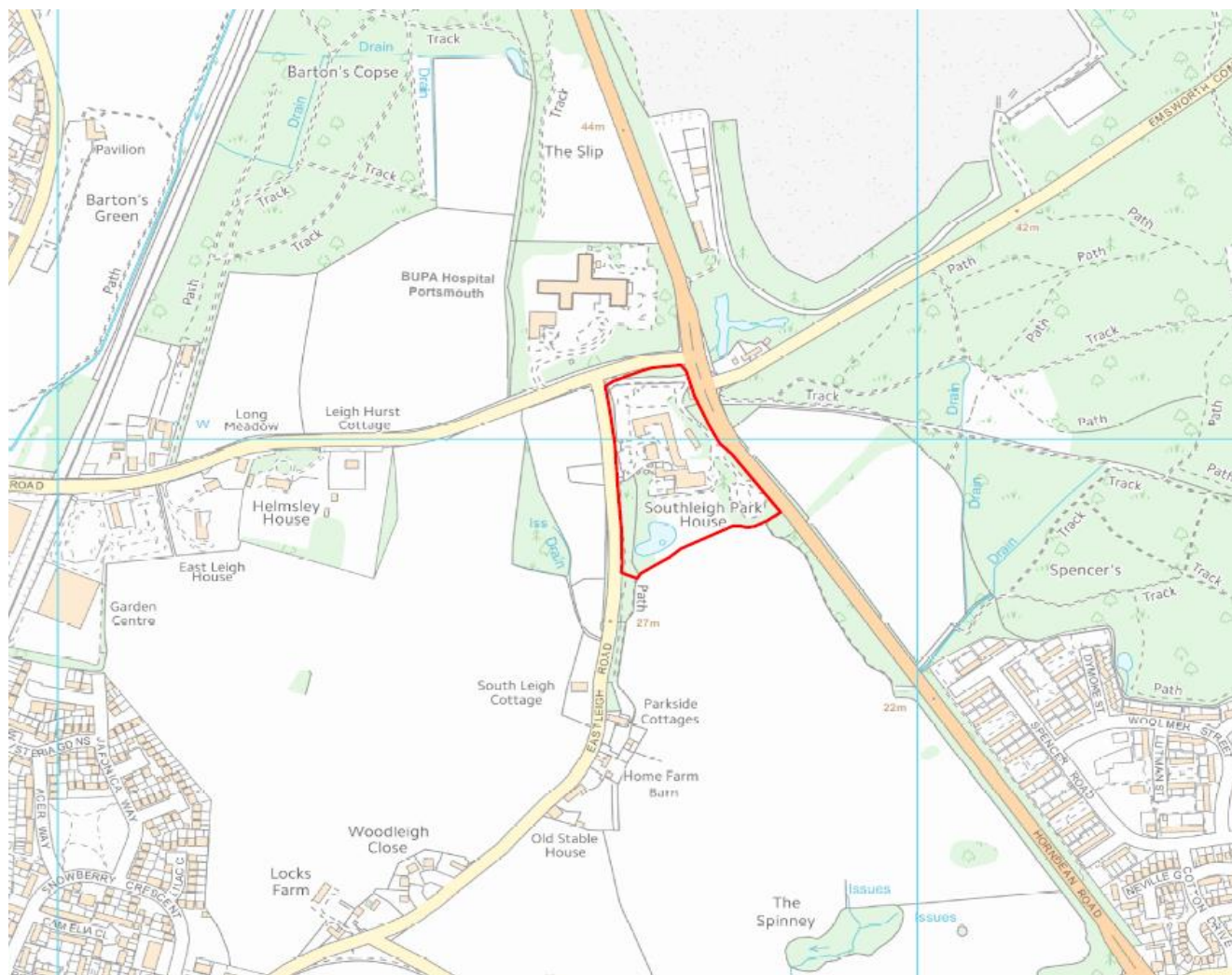
3.4 Preliminary Risk Assessment Summary

The PRA and CSM developed from the information gathered as part of the desk study process has identified several plausible pollutant linkages that exist in relation to the proposed redevelopment of the site. However, the preliminary risk rating for each linkage has been classified as moderate to low and low and as such the site is considered overall as moderate to low risk.

3.5 Recommended Intrusive Investigation

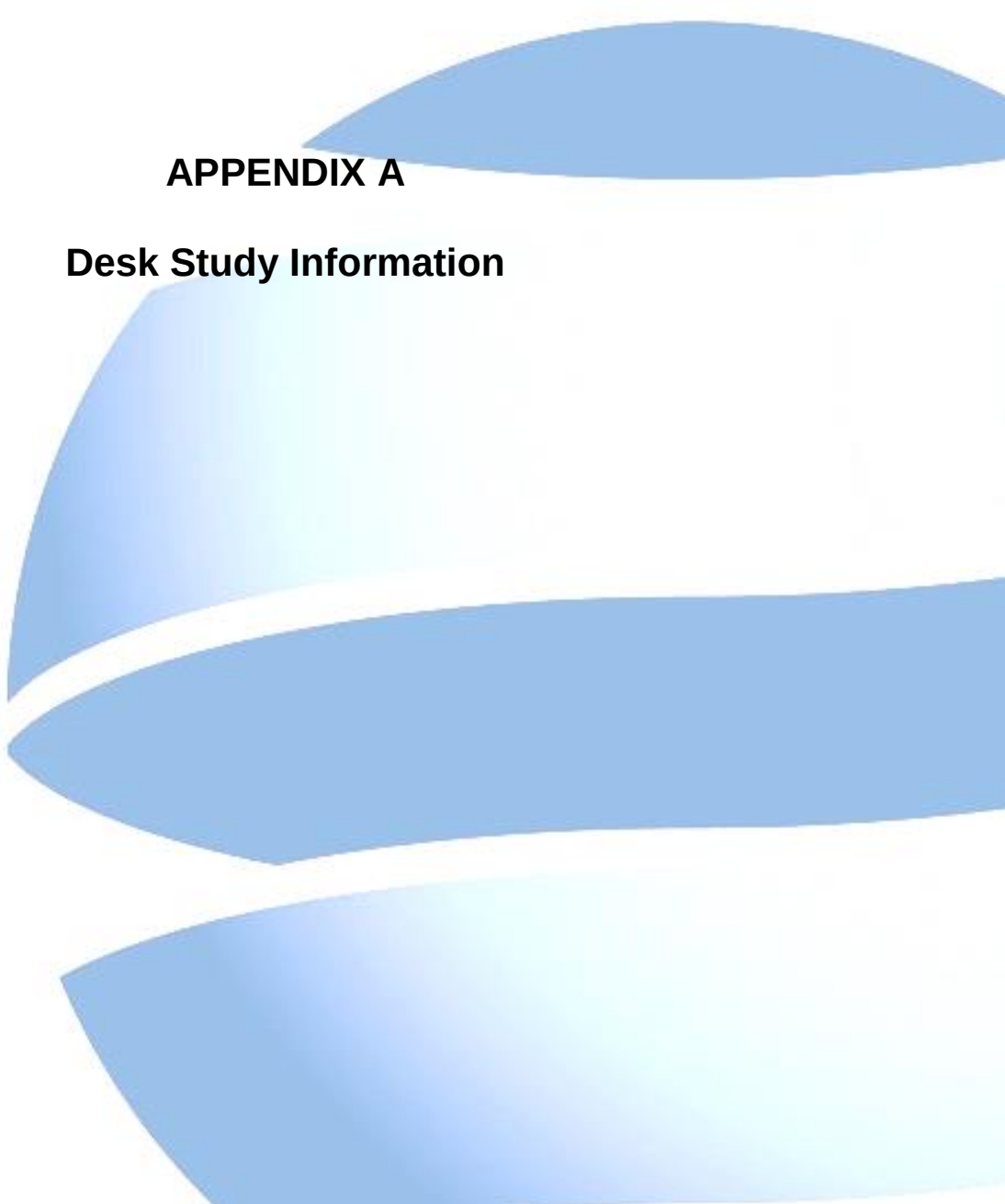
Given that several plausible geotechnical and environmental risks have been identified as part of the desk study, it is recommended that an intrusive investigation be undertaken on the site to quantitatively assess the risks posed. The following works are recommended:

- Exploratory boreholes and trial pits across the site, including targeting car park areas and electricity sub-station.
- Installation of ground gas and groundwater monitoring standpipes with six return monitoring visits.
- Geotechnical and geochemical laboratory analysis on both soils and groundwater.



Project:	Southleigh Park House, Eastleigh Road, Havant			Title	Site Location	
Client:	Ardent Consulting			Geo-Environmental Services Ltd Unit 7 Danworth Farm, Cuckfield Road Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net  Geo-Environmental		
Ref No:	GE15562	Revision:	1			
Drawn:	GE	Date:	28/06/2016			
Figure:	1	Scale:	Not To Scale			





APPENDIX A

Desk Study Information



Geo-Environmental

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

85480247_1_1

Customer Reference:

GE15562

National Grid Reference:

473720, 107960

Slice:

A

Site Area (Ha):

3.17

Search Buffer (m):

1000

Site Details:

Southleigh Park House
Eastleigh Road
HAVANT
Hampshire
PO9 2PE

Client Details:

Mr C Azevedo
Geo Environmental Services Ltd
Unit 7 Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	17
Geological	18
Industrial Land Use	21
Sensitive Land Use	30
Data Currency	31
Data Suppliers	37
Useful Contacts	38

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

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Report Version v50.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			1	5
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4			1	5
Local Authority Integrated Pollution Prevention And Control	pg 5			1	
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5	Yes			
Pollution Incidents to Controlled Waters	pg 5				2
Prosecutions Relating to Authorised Processes	pg 5			1	
Registered Radioactive Substances					
River Quality	pg 5		1		1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 6			4	2
Water Abstractions	pg 7				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones	pg 7	1			1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 7		Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 10		Yes	Yes	n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 11		1		1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 11		2		
Licensed Waste Management Facilities (Locations)	pg 11			1	
Local Authority Landfill Coverage	pg 11	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 12		1		
Potentially Infilled Land (Water)	pg 12		2	3	15
Registered Landfill Sites	pg 13			3	1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 17				1
Planning Hazardous Substance Enforcements					



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes			Yes
BGS Recorded Mineral Sites	pg 18		3	1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 19		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 21		4	5	54
Fuel Station Entries					
Points of Interest - Commercial Services	pg 26			1	11
Points of Interest - Education and Health	pg 27		5		
Points of Interest - Manufacturing and Production	pg 27			1	3
Points of Interest - Public Infrastructure	pg 28		1	2	5
Points of Interest - Recreational and Environmental	pg 28			3	6
Gas Pipelines					
Underground Electrical Cables					



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 30			1	3
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 30	1			2
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (N)	0	2	473718 107958
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	7	2	473718 108100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	9	2	473700 108100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	20	2	473650 108100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	37	2	473600 108050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	46	2	473600 108100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	50	2	473800 108050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	57	2	473718 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	59	2	473700 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	68	2	473650 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	85	2	473600 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	107	2	473718 108200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	109	2	473700 108200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	109	2	473750 108200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	116	2	473850 108100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	116	2	473550 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	126	2	473718 107700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	129	2	473900 108050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	130	2	473600 108200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	135	2	473850 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	150	2	473500 107950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	154	2	473550 108200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	157	2	473718 108250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	246	2	473950 108200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	294	2	473450 108300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	309	2	474050 108150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	319	2	474150 108000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	337	2	474150 108050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	360	2	474100 108200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	411	2	474000 108400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	426	2	474100 108300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	429	2	474250 108050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	446	2	474050 108400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	472	2	473200 108250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	476	2	473250 108350
1	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: Sewerage Network - Sewers - Water Company Location: Eastleigh Road, Denvilles Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A00327 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 6th March 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	287	3	473400 107700
2	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: Sewerage Network - Sewers - Water Company Location: Woodbine Cottage, Eastleigh Road, Havant, Hampshire, Po9 2ny Authority: Environment Agency, Southern Region Catchment Area: Unknown to Emsworth Channel Reference: W00316 Permit Version: 1 Effective Date: 27th January 1979 Issued Date: 27th January 1979 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Drain Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	589	3	473870 107270



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Chidden Farms Property Type: Undefined Or Other Location: Southleigh Farm, Southleigh Road, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01588 Permit Version: 1 Effective Date: 18th January 1963 Issued Date: 18th January 1963 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	681	3	473890 107180
4	Discharge Consents Operator: Thermofil Polymers (Uk) Ltd Property Type: Water Treatment Works Location: New Lane, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Ao0598 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: 28th November 1994 Revocation Date: 6th September 2005 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A12SW (W)	836	3	472810 107950
4	Discharge Consents Operator: Vickers Systems Ltd. Property Type: Water Treatment Works Location: New Lane, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01208 Permit Version: 1 Effective Date: 15th April 1965 Issued Date: 15th April 1965 Revocation Date: 27th February 2006 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	836	3	472810 107950
5	Discharge Consents Operator: Gec-Plessey Avionics Ltd. Property Type: Undefined Or Other Location: Gec-Plessey Avionics Ltd., Martin Road, West Leigh, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P01759 Permit Version: 1 Effective Date: 14th July 1988 Issued Date: 14th July 1988 Revocation Date: 8th March 1996 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A11SE (W)	964	3	472690 107800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Integrated Pollution Prevention And Control Name: Veolia Es Landfill Limited Location: Southleigh Landfill - Leachate Treatment Plant, Southleigh Landfill Leachate Treatment Plant, Havant, Hampshire, PO9 2PB Authority: Environment Agency, Southern Region Permit Reference: SP3838LY Original Permit Ref: Sp3838ly Effective Date: 28th March 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 100m Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: Y	A18SE (N)	442	3	473900 108500
7	Integrated Pollution Prevention And Control Name: Veolia Es Landfill Limited Location: Southleigh Landfill - Leachate Treatment Plant, Southleigh Landfill Leachate Treatment Plant, Elmsworth Road,,, Havant, Hampshire, PO9 2PB Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: SP3230TB Original Permit Ref: Sp3838ly Effective Date: 26th May 2010 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: Y	A19SW (NE)	548	3	474161 108426
7	Integrated Pollution Prevention And Control Name: Veolia Es Landfill Limited Location: Southleigh Landfill - Leachate Treatment Plant, Southleigh Landfill Leachate Treatment Plant, Elmsworth Road,,, Havant, Hampshire, PO9 2PB Authority: Environment Agency, Southern Region Permit Reference: SP3230TB Original Permit Ref: Sp3838ly Effective Date: 26th May 2010 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: Y	A19SW (NE)	548	3	474161 108426
7	Integrated Pollution Prevention And Control Name: Veolia Es Landfill Limited Location: Southleigh Landfill - Leachate Treatment Plant, Southleigh Landfill Leachate Treatment Plant, Elmsworth Road,,, Havant, Hampshire, PO9 2PB Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: SP3838LY Original Permit Ref: Sp3838ly Effective Date: 28th March 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: Y	A19SW (NE)	548	3	474161 108426
7	Integrated Pollution Prevention And Control Name: Veolia Es Onyx Limited Location: Southleigh Landfill Site, Southleigh Landfill Site, Emsworth Common Road,,, EMSWORTH, Hampshire, PO9 2PB Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: BV9926IV Original Permit Ref: Bv9926iv Effective Date: Not Supplied Status: Application refused Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A19SW (NE)	548	3	474161 108426



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Integrated Pollution Prevention And Control Name: Veolia Es Onyx Limited Location: Southleigh Landfill Site, Emsworth Common Road, Emsworth, Hampshire, PO9 2PB Authority: Environment Agency, Southern Region Permit Reference: Bv9926iv Original Permit Ref: Bv9926iv Effective Date: Not Supplied Status: Application refused Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A18SE (N)	566	3	473926 108623
9	Local Authority Integrated Pollution Prevention And Control Name: Veolia Es Onyx Ltd Location: Southleigh Landfill, Emsworth Common Road, Havant, PO9 2PB Authority: Havant Borough Council, Environmental Health Department Permit Reference: EA/IPPC/SP3838LY Dated: 9th August 2006 Process Type: The Chemical Industry Description: Not Supplied Status: Permit Revoked Positional Accuracy: Located by supplier to within 10m	A18SE (N)	453	4	473877 108520
	Nearest Surface Water Feature	A13SW (S)	0	-	473697 107896
10	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Water Treatment Works Location: Hollybank Lane, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Of Oil Coming From House Incident Date: 2nd November 1998 Incident Reference: 798519 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	764	3	474600 107800
10	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Water Treatment Works Location: Little Oaks, Hollybank Lane, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Oil Spill At Hollybank Lane Incident Date: 3rd November 1998 Incident Reference: 798527 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	765	3	474600 107795
11	Prosecutions Relating to Authorised Processes Location: Southleigh Landfill Site, EMSWORTH Prosecution Text: Breach Of Wml - Failure To Cover Waste With Topsoil. Prosecution Act: Epa90 S33(6) Hearing Date: 24th August 2001 Verdict: Guilty Fine: 3000 Costs: 867.37 Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	414	3	473871 108481
	River Quality Name: Southleigh Strm GQA Grade: River Quality D Reach: Tidal Limit - Source Estimated Distance (km): 2.2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SW (SW)	108	3	473606 107738



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Lavant (Hants) GQA Grade: River Quality A Reach: Tidal Limit - Source Estimated Distance (km): 6.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17SE (NW)	648	3	473279 108613
12	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 19th June 2001 Incident Reference: 10056 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A14SW (SE)	288	3	474090 107760
13	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 9th February 2004 Incident Reference: 215755 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Landfill Odour	A13SE (SE)	319	3	474057 107672
14	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 8th March 2004 Incident Reference: 221674 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Landfill Odour	A14SW (SE)	411	3	474206 107716
15	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 15th May 2004 Incident Reference: 237021 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Landfill Odour	A9NW (SE)	482	3	474187 107571
16	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 18th October 2004 Incident Reference: 272695 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Landfill Odour	A19SW (NE)	533	3	474081 108491
17	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 1st March 2004 Incident Reference: 220057 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Landfill Odour	A9NW (SE)	633	3	474294 107465



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr N Rule Licence Number: 10/41/511005 Permit Version: 100 Location: Watercourse At Mill House, Westbourne Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 3409.1 Details: Mill House, Westbourne Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 9th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1966	3	475810 107920
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13SW (N)	0	3	473718 107958
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13NW (N)	0	3	473719 107968
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (N)	0	2	473718 107958
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	2	473718 107958
18	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A13SW (N)	0	3	473718 107958
19	Source Protection Zones Name: Lovedean Source: Environment Agency, Head Office Reference: Su295 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A17NE (NW)	825	3	473295 108825
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
20	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	209	3	474027 108089



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Detailed River Network Lines River Type: Primary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Currently Undefined Flood Risk: Currently Undefined Management Status: Water Course: West Brook Name: Water Course: S614 Reference:	A13SE (SE)	249	3	474006 107711
22	Detailed River Network Lines River Type: Primary River River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SE (SE)	250	3	474050 107767
23	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SE (SE)	252	3	474058 107779
24	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14SW (E)	256	3	474090 107837
25	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Currently Undefined Management Status: Water Course: West Brook Name: Water Course: S614 Reference:	A13SE (SE)	258	3	474004 107707
26	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (NW)	305	3	473440 108306



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (N)	425	3	473523 108485
28	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A17SE (NW)	452	3	473274 108341
29	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SW (NW)	455	3	473434 108481
30	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A17SE (NW)	457	3	473269 108343
31	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A17SE (NW)	457	3	473269 108343
32	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NE (S)	468	3	473920 107427



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A13NE (N)	35	3	473758 108110
34	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A13SW (SW)	59	3	473584 107881
35	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A14SW (SE)	447	3	474243 107709



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Historical Landfill Sites Licence Holder: Leigh Environmental Southern Limited Location: Havant, Hampshire Name: Southleigh Forest Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL20471 First Input Date: 8th March 1993 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/6018 BGS Ref: Not Supplied Other Ref: 6/18F, FEH13, 6.22f	A13NE (N)	115	3	473783 108193
37	Historical Landfill Sites Licence Holder: A and J Bull (Southern) Limited Location: Emsworth Common Road, Havant, Hampshire Name: Blackbush Hanger Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL20474 First Input Date: 3rd August 1988 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/6028 BGS Ref: Not Supplied Other Ref: FEH16, 6/28, SE15	A19SW (NE)	640	3	474231 108487
38	Licensed Waste Management Facilities (Landfill Boundaries) Name: Southleigh Landfill Site Licence Number: 19870 Location: Southleigh Landfill Site, Emsworth Common Road, Emsworth, Hampshire, PO9 2PB Licence Holder: Leigh Environmental (Southern) Ltd Authority: Environment Agency - Southern Region, Hampshire and Isle of Wight Area Office Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied Licence Status: Inactive Issued: 3rd May 1995 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A13NE (N)	32	3	473764 108089
39	Licensed Waste Management Facilities (Landfill Boundaries) Name: Southleigh Landfill Site Licence Number: 19870 Location: Southleigh Landfill Site, Emsworth Common Road, Emsworth, Hampshire, PO9 2PB Licence Holder: Leigh Environmental (Southern) Ltd Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied Licence Status: Closure Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A13NE (N)	32	3	473766 108084
40	Licensed Waste Management Facilities (Locations) Licence Number: 19870 Location: Southleigh Landfill Site, Emsworth Common Road, Emsworth, Hampshire, PO9 2PB Operator Name: Leigh Environmental (Southern) Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Co-disposal Landfill Sites Licence Status: Closed Issued: 3rd May 1995 Last Modified: 11th March 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	442	3	473840 108520
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	4	473718 107958



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	473718 107958
	Local Authority Landfill Coverage Name: East Hampshire District Council - Has no landfill data to supply		57	6	473679 108146
41	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (W)	149	-	473493 108030
42	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A13SW (SW)	128	-	473528 107856
43	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A13SW (SW)	233	-	473500 107659
44	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14SW (SE)	280	-	474096 107786
45	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A12SE (SW)	385	-	473291 107704
46	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A8NE (S)	469	-	473929 107431
47	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A12SW (W)	592	-	473059 107920
48	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A12NE (NW)	593	-	473088 108296
49	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A12SW (W)	608	-	473055 107724
50	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A14SE (E)	624	-	474467 107883
51	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14SE (E)	630	-	474456 107759
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A8SE (S)	631	-	473825 107213
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A17SE (NW)	664	-	473226 108595
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14NE (E)	757	-	474543 108202
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14NE (NE)	764	-	474503 108296
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A7SE (SW)	767	-	473286 107162
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A7SE (SW)	774	-	473193 107212
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A12SW (W)	855	-	472799 107846



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14SE (E)	897	-	474728 107758
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A14SE (E)	907	-	474732 107725
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A9SW (SE)	908	-	474271 107106
62	Registered Landfill Sites Licence Holder: Summerdown Ltd Licence Reference: 6/ 18f Site Location: Southleigh Forest, Havant, Hampshire Licence Easting: 473900 Licence Northing: 108400 Operator Location: 8 Landport Terrace, Portsmouth, Hampshire Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 30th November 1984 Preceded By: 6/ 18 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Prohibited Waste	A18SE (N)	353	3	473900 108400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Registered Landfill Sites Licence Holder: George Ewen Ltd Licence Reference: 6/ 18 Site Location: Southleigh Forest, Havant, Hampshire Licence Easting: 473900 Licence Northing: 108400 Operator Location: Butser Limeworks, Portsmouth Road, Petersfield, Hampshire Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 27th January 1984 Preceded By: Not Given Licence: Superseded By: 6/ 18f Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Waste Construction And Demolition Wastes Cork Electrical Goods/Tvs/Whiteware Enamels Excavated Natural Materials \$ Foundry Sand Glass/Cullet Hardcore And Rubble Other Minerals Polymeric Material, Products/Scrap Pottery Making Waste Road Making Materials Sand Sawdust/Bark Scrap Rubber (Including Tyres) Slag, Boiler/Flue Cleanings Synthetic Adhesive Wastes Timber And Other Organic Material Wood Waste/Timber Prohibited Waste Biodegradable/Putrescible Waste Contaminated Rubble Fibrous Forms Of Asbestos Food Waste Liquid/Slurry/Sludge Wastes Paper/Cardboard Waste Phenols, Analogues/Derivatives Poisonous, Noxious, Polluting Wastes Special Wastes N.O.S Vegetable/Processing Waste	A18SE (N)	353	3	473900 108400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Registered Landfill Sites Licence Holder: Leigh Environmental (Southern) Ltd Licence Reference: EH 044C Site Location: Southleigh Landfill, Emsworth Common Road, Emsworth, Hampshire Licence Easting: 473800 Licence Northing: 108500 Operator Location: Dundas Spur, Dundas Lane, Copnor, PORTSMOUTH, Hampshire, PO3 5NY Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Landfill - with treatment Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is knownOperational Dated: 1st November 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Adhesive Wastes Ceramics,Mica Clays Construction And Demolition Wastes Contaminated Land Clearance Waste Cork Cullet Elect. Fittings/Fixtures/Appliances Enamels Ferrous Metals Food/Food Proc.Waste - < 5% Daily Inp Hard Solid Waste Insol. In Water/Acid Household Waste Max.Waste Permitted By Licence-States Metal Swarf Non-Ferrous Metals Oiled/Tarred Paper - < 5% Daily Input Paper/Packaging Ex Com./Ind.Premises Pottery,China Prods Of Complete Polymerisation Sand,Chalk,Gravel & Nat.Earth Spoils Sawdust, Sanderdust Solid Rubber Timber Tyres - < 5% Daily Vol. Input Vegetable Matter - < 5% Daily Input Wood Offcuts, Hardboard All Cat'S Of Clinical Wastes In Wmp 25 Drums > 5 L Cap'Y Unless Full Permit.W Fibrous Forms Of Asbestos Liquid/Slurry/Sludge Wastes Mineral Oil Contamination Old Cars,Vehicles,Tractors Phenol Or Mat'L Containing Phenol Poisonous, Noxious, Polluting Wastes Poll.Conc'Ns Cu,Cr,Zn,Pb,Va,Other Met. Potentially Hazardous Wastes Potentially Toxic Wastes Rubble-Premis Use Toxic/Water Sol.Chems Special Wastes Waste N.O.S. Waste-Dry Cut'G,Grind'G,Shap'G Metals Prohibited Waste	A18SE (N)	413	3	473800 108500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Registered Landfill Sites Licence Holder: A & J Bull (Southern) Ltd Licence Reference: 6/ 28 Site Location: Blackbush Hanger, Emsworth Common Road, Havant, Hamp Licence Easting: 474250 Licence Northing: 108650 Operator Location: c/o P Johnson Associates, Walberton, ARUNDEL, West Sussex, BN18 0PB Authority: Environment Agency - Thames Region, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Adhesive Wastes Ceramics/Mica Clays Construction And Demolition Wastes Cork Cullet Enamels Highways Maintenance Waste Man-Made Fibres Oiled/Tarred Paper Paper/Packaging From Com/Ind. Prems Pottery/China Prod'Ts Of Complete Polymerisation Sand,Chalk,Gravel,Nat.Occ.Earth Spoils Sawdust/Sanderdust Solid Rubber (Including Tyres) Textiles, Rag,Wool,Cloth,Hessian Etc Timber Wood Offcuts/Hardboard Prohibited Waste All Fibrous Forms Of Asbestos Contam.Rubble Ex Prems Using Tox/Chems Drums >5l Unless Open & Cont'S Above Food Waste Liquid/Sludge Wastes Other Rapidly Biodegradable Waste Phenols & Mat'ls Cont.Phenols Phenols Or Ma'ls Cont.Phenols Poisonous, Noxious, Polluting Wastes Special Wastes Vegetable Matter Waste N.O.S.	A19NW (NE)	765	3	474250 108650



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Planning Hazardous Substance Consents Name: British Gas Plc Location: Gas Holder Station, Downley Road, New Lane, HAVANT, Hampshire, PO9 2NJ Authority: Havant Borough Council, Commercial Team Application Ref: 92/53844/001 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 42 Application date: 28th October 1992 Decision: Unknown at time of reportUnknown Positional Accuracy: Automatically positioned to the address	A6NE (W)	986	7	472701 107580



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SW (N)	0	2	473718 107958
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (N)	0	2	473718 107958
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	747	2	473423 108791
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (NW)	802	2	473000 108561
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (S)	826	2	473718 107000
66	BGS Recorded Mineral Sites Site Name: South Leigh Gravel Pit Location: , Emsworth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163104 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	26	2	473771 108054
67	BGS Recorded Mineral Sites Site Name: South Leigh Gravel Pit Location: , Emsworth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163102 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NW (W)	137	2	473504 108040



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	BGS Recorded Mineral Sites Site Name: South Leigh Gravel Pit Location: , Emsworth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163103 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	195	2	473858 108237
69	BGS Recorded Mineral Sites Site Name: Southleigh Forest Location: , Southleigh, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 2188 Type: Opencast Status: Ceased Operator: H T Hughes Plc Operator Location: H T Hughes Plc, Dundas Spur, Copnor, Portsmouth, Po3 5ny Periodic Type: Quaternary Geology: Head (Head Gravel) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	460	2	473870 108530
70	BGS Recorded Mineral Sites Site Name: Southleigh Location: , Southleigh, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 2187 Type: Opencast Status: Ceased Operator: A & J Bull Ltd Operator Location: A & J Bull Ltd, Benedict Wharf, Benedict Road, Mitcham, Surrey, Cr4 3bq Periodic Type: Quaternary Geology: Head (Head Gravel) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	709	2	474165 108650
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	160	2	473995 107963
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	167	2	473760 108257
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	132	2	473711 107692
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	33	2	473799 108019
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	53	2	473710 108145
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	162	2	473767 108250
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	473718 107958



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Contemporary Trade Directory Entries Name: Southleigh Landfill Site Location: Badgers Cottage, Emsworth Common Road, HAVANT, Hampshire, PO9 2PB Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	70	-	473800 108104
72	Contemporary Trade Directory Entries Name: Cancer Partners Uk Location: Bartons Road, Havant, Hampshire, PO9 5NP Classification: Hospitals Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13NW (N)	142	-	473614 108217
72	Contemporary Trade Directory Entries Name: Spire Portsmouth Hospital Location: Portsmouth Hospital, Bartons Road, Havant, Hampshire, PO9 5NP Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	142	-	473614 108217
72	Contemporary Trade Directory Entries Name: Spire Portsmouth Hospital Location: Bartons Road, Havant, Hampshire, PO9 5NP Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	142	-	473614 108217
73	Contemporary Trade Directory Entries Name: The Oaks Havant Crematorium Location: Bartons Road, Havant, Hampshire, PO9 5NA Classification: Cemeteries & Crematoria Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	298	-	473497 108336
74	Contemporary Trade Directory Entries Name: Hometyre (Portsmouth) Location: 11a, Dymoke Street, Emsworth, Hampshire, PO10 7XL Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	386	-	474173 107708
75	Contemporary Trade Directory Entries Name: Aquila Location: Flat 4, Helmsley House, Bartons Road, Havant, Hampshire, PO9 5NB Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	393	-	473256 107945
75	Contemporary Trade Directory Entries Name: Aquila Location: Flat 4, Helmsley House, Bartons Road, Havant, Hampshire, PO9 5NB Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	393	-	473256 107945
76	Contemporary Trade Directory Entries Name: Havant Mower Services Location: Bartons Rd, Havant, Hampshire, PO9 5NA Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	482	-	473166 107968
77	Contemporary Trade Directory Entries Name: Office Concept Installations Location: Southleigh Rd, Havant, Hampshire, PO9 2NX Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	565	-	473826 107282
78	Contemporary Trade Directory Entries Name: Office Check Up Location: 3, Diana Close, Emsworth, Hampshire, PO10 7UQ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	587	-	474376 107663
79	Contemporary Trade Directory Entries Name: Stephen Anthony Design Ltd Location: Unit 4, Southleigh Farm, Southleigh Rd, Havant, Hampshire, PO9 2NX Classification: Cabinet Makers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	665	-	473700 107162



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Contemporary Trade Directory Entries Name: Woodsides Wheelie Cleaners Location: Little Oaks, Hollybank Lane, Emsworth, Hampshire, PO10 7UE Classification: Wheelie Bin Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	689	-	474533 107919
81	Contemporary Trade Directory Entries Name: Scottish Hydro Electric Gas Location: Bartons Rd, Havant, Hampshire, PO9 5JB Classification: Electricity Companies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	690	-	472959 107942
81	Contemporary Trade Directory Entries Name: Southern Electric Location: Bartons Rd, Havant, Hampshire, PO9 5JB Classification: Electricity Companies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	690	-	472959 107942
82	Contemporary Trade Directory Entries Name: Beacon Design & Engineering Ltd Location: Unit 11, Dakota Business Park, 14, Downley Road, Havant, Hampshire, PO9 2NJ Classification: Refrigeration Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	736	-	472918 107807
82	Contemporary Trade Directory Entries Name: P & I Generators Ltd Location: Unit 8, Dakota Business Park, 14, Downley Road, Havant, PO9 2NJ Classification: Generators - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	749	-	472907 107773
82	Contemporary Trade Directory Entries Name: Formaplex Location: Unit 1, Dakota Business Park, 14, Downley Road, Havant, Hampshire, PO9 2NJ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	765	-	472889 107809
83	Contemporary Trade Directory Entries Name: Help Location: 3, Lisle Way, Emsworth, Hampshire, PO10 7XN Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	739	-	474342 107365
84	Contemporary Trade Directory Entries Name: Closewood Air-Conditioning Location: Unit A, 12, Downley Road, Havant, PO9 2NJ Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	813	-	472843 107771
84	Contemporary Trade Directory Entries Name: Multitrade Supplies Ltd Location: 10, Downley Road, Havant, PO9 2NJ Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	817	-	472843 107734
84	Contemporary Trade Directory Entries Name: B Justice Location: Unit 4-10 Downley Rd, Havant, Hampshire, PO9 2NJ Classification: French Polishing Status: Active Positional Accuracy: Manually positioned to the address or location	A12SW (W)	819	-	472841 107733
85	Contemporary Trade Directory Entries Name: Happy Days General Cleaning Co Location: 80, Rowan Road, Havant, Hampshire, PO9 2UU Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	836	-	472965 107360



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Contemporary Trade Directory Entries Name: T & L'S Clean Team Location: 33, Sharps Road, Havant, Hampshire, PO9 5QJ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	847	-	472796 108173
86	Contemporary Trade Directory Entries Name: Domestic Cleaning Location: 33, Sharps Road, Havant, Hampshire, PO9 5QJ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	847	-	472796 108173
87	Contemporary Trade Directory Entries Name: M J Mack Location: 10, Itchen Road, Havant, Hampshire, PO9 5LR Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	866	-	472960 108614
88	Contemporary Trade Directory Entries Name: Eaton Hydraulics Location: 46, New Lane, Havant, Hampshire, PO9 2NB Classification: Hydraulic Systems & Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	871	-	472782 107884
89	Contemporary Trade Directory Entries Name: Dunham-Bush Ltd Location: 8, Downley Road, Havant, Hampshire, PO9 2JD Classification: Heating Equipment - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	872	-	472809 107616
90	Contemporary Trade Directory Entries Name: Westover Metal Spinning Ltd Location: 8 Downley Point, Downley Rd, Havant, Hampshire, PO9 2NA Classification: Metal Spinners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	887	-	472822 107526
90	Contemporary Trade Directory Entries Name: Window Sash Co Location: Unit 6, Downley Point, Downley Road, Havant, Hampshire, PO9 2NA Classification: Windows - Sash Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	902	-	472798 107547
91	Contemporary Trade Directory Entries Name: Simply Filtration Ltd Location: 532, Southleigh Road, Emsworth, Hampshire, PO10 7TX Classification: Filtration Systems & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	897	-	474525 107326
92	Contemporary Trade Directory Entries Name: Autogas One Stop Location: Hollybank House, Hollybank Lane, Emsworth, Hampshire, PO10 7UN Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	900	-	474719 108122
92	Contemporary Trade Directory Entries Name: Sail Boat Deliveries Ltd Location: Hollybank House, Hollybank Lane, Emsworth, Hampshire, PO10 7UN Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	900	-	474719 108122
93	Contemporary Trade Directory Entries Name: Inovolt Ltd Location: 7, Downley Road, Havant, PO9 2NJ Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	914	-	472749 107704
93	Contemporary Trade Directory Entries Name: Rapid Response Solutions Ltd Location: 44a, New Lane, Havant, Hampshire, PO9 2NF Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	949	-	472711 107719



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	Contemporary Trade Directory Entries Name: L Kattenhorn & Partners Ltd Location: New Lane, Havant, Hampshire, PO9 2NE Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	955	-	472708 107695
94	Contemporary Trade Directory Entries Name: Cool Breeze Services Ltd Location: Unit 8, Downley Point, Downley Rd, Havant, Hampshire, PO9 2NA Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	922	-	472752 107641
95	Contemporary Trade Directory Entries Name: Monolution 3d Machining Location: Unit 3, Downley Point, Downley Road, Havant, Hampshire, PO9 2NA Classification: Precision Engineers Status: Active Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	927	-	472769 107557
95	Contemporary Trade Directory Entries Name: A & B Precision Engineering Location: Downley Point, Downley Rd, Havant, Hampshire, PO9 2NA Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	928	-	472776 107532
95	Contemporary Trade Directory Entries Name: Havant Sheet Metal Location: 6, Downley Road, Havant, Hampshire, PO9 2NN Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	953	-	472757 107511
95	Contemporary Trade Directory Entries Name: Santric Ltd Location: 6, Downley Road, Havant, Hampshire, PO9 2YD Classification: Hygiene & Sanitary Appliance Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	956	-	472754 107512
95	Contemporary Trade Directory Entries Name: Martin Parr Location: Unit 5, Downley Road, Havant, Hampshire, PO9 2NJ Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A6NE (SW)	984	-	472720 107524
95	Contemporary Trade Directory Entries Name: Ahmarra Ltd Location: Zullard House, 4, Downley Road, Havant, Hampshire, PO9 2NJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NE (SW)	985	-	472727 107501
95	Contemporary Trade Directory Entries Name: Tqm Chemicals Location: Zullard House, 4, Downley Road, Havant, Hampshire, PO9 2NJ Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NE (SW)	985	-	472727 107501
95	Contemporary Trade Directory Entries Name: Webb Location: Zullard House, 4, Downley Road, Havant, Hampshire, PO9 2NJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NE (SW)	985	-	472727 107501
96	Contemporary Trade Directory Entries Name: Active Location: 80, Nutwick Road, Havant, Hampshire, PO9 2UL Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	930	-	472853 107362
97	Contemporary Trade Directory Entries Name: Sailing Solutions Location: 20, Long Copse Lane, Emsworth, Hampshire, PO10 7UL Classification: Marine Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (E)	931	-	474773 107847



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	Contemporary Trade Directory Entries Name: Portsmouth Surgical Equipment Location: 44, New Lane, Havant, Hampshire, PO9 2NF Classification: Medical Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A11SE (W)	947	-	472710 107753
99	Contemporary Trade Directory Entries Name: Neal Simpson & Sons Location: 77, Hornbeam Road, Havant, Hampshire, PO9 2UT Classification: Cladding Suppliers & Installers Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (SW)	954	-	473000 107140
100	Contemporary Trade Directory Entries Name: Park Life Location: New La, Havant, Hampshire, PO9 2ND Classification: Cycle Accessories, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	955	-	472696 107904
101	Contemporary Trade Directory Entries Name: Wavemar Electronics Ltd Location: 21, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	955	-	472787 107435
101	Contemporary Trade Directory Entries Name: Williamsons Industrial Supplies Ltd Location: 19, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Abrasive Products - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	968	-	472767 107445
101	Contemporary Trade Directory Entries Name: S G Design & Print Location: 22, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	969	-	472780 107416
101	Contemporary Trade Directory Entries Name: Sytec Ltd Location: 28, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	974	-	472777 107409
101	Contemporary Trade Directory Entries Name: Fluid Power Components Ltd Location: 13-14, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Pneumatic Systems & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	978	-	472754 107450
101	Contemporary Trade Directory Entries Name: Uni-Guard Fire Protection Ltd Location: 12, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	983	-	472748 107452
101	Contemporary Trade Directory Entries Name: Hampshire Heating Components Location: 12, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Heat Treatment - Metals Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	983	-	472748 107452
101	Contemporary Trade Directory Entries Name: Macdonald Engineering Location: 10, The Oakwood Centre, Downley Road, Havant, Hampshire, PO9 2NP Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	994	-	472735 107457
102	Contemporary Trade Directory Entries Name: Colt International Ltd Location: New Lane, Havant, Hampshire, PO9 2LY Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	972	-	472670 107970



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Contemporary Trade Directory Entries Name: Colt Service Ltd Location: New Lane, Havant, Hampshire, PO9 2LY Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	972	-	472670 107970
102	Contemporary Trade Directory Entries Name: Colt International Location: New Lane, Havant, Hampshire, PO9 2LY Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	972	-	472670 107970
102	Contemporary Trade Directory Entries Name: Colt International Location: New Lane, Havant, Hampshire, PO9 2LY Classification: Ventilators & Ventilation Systems Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	972	-	472670 107970
103	Contemporary Trade Directory Entries Name: 1st A1 Location: 219, Wakefords Way, Havant, Hampshire, PO9 5JW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	991	-	472839 108661
104	Points of Interest - Commercial Services Name: Aquila Location: Flat 4 Helmsley House, Bartons Road, Havant, PO9 5NB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A12SE (W)	393	8	473256 107945
105	Points of Interest - Commercial Services Name: Pinnacle Ductwork Manufacturers Ltd Location: Unit 12 Dakota Business Park 14, Downley Road, Havant, PO9 2NJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12SW (W)	732	8	472922 107818
106	Points of Interest - Commercial Services Name: Pesthelp Ltd Location: 3 Lisle Way, Emsworth, PO10 7XN Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A9NW (SE)	739	8	474342 107365
107	Points of Interest - Commercial Services Name: Car Call UK Location: Unit A 12, Downley Road, Havant, PO9 2NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	812	8	472845 107771
107	Points of Interest - Commercial Services Name: Car Call UK Location: Unit A 12, Downley Road, Havant, PO9 2NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	812	8	472845 107771
108	Points of Interest - Commercial Services Name: M R Towbars Location: 81 Froxfield Road, Havant, PO9 5PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	815	8	472917 108455
109	Points of Interest - Commercial Services Name: Autogas One Stop Location: Hollybank House, Hollybank Lane, Emsworth, PO10 7UN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	900	8	474719 108122
109	Points of Interest - Commercial Services Name: Sailboat Deliveries Location: Hollybank House, Hollybank Lane, Emsworth, PO10 7UN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	900	8	474719 108122



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Points of Interest - Commercial Services Name: Active Pest Control Location: 80 Nutwick Road, Havant, PO9 2UL Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A7NW (SW)	930	8	472853 107362
110	Points of Interest - Commercial Services Name: Active Pest Control Location: 80 Nutwick Road, Havant, PO9 2UL Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A7NW (SW)	930	8	472853 107362
111	Points of Interest - Commercial Services Name: Havant Sheet Metal Co Ltd Location: 6 Downley Road, Havant, PO9 2NN Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NW (SW)	956	8	472754 107512
111	Points of Interest - Commercial Services Name: Havant Sheet Metal Location: 6 Downley Road, Havant, PO9 2NN Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NW (SW)	956	8	472754 107512
112	Points of Interest - Education and Health Name: Spire Portsmouth Hospital Location: Portsmouth Hospital, Bartons Road, Havant, PO9 5NP Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (N)	142	8	473614 108217
112	Points of Interest - Education and Health Name: Spire Portsmouth Hospital Location: Bartons Road, Havant, PO9 5NP Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (N)	142	8	473614 108217
112	Points of Interest - Education and Health Name: Spire Portsmouth Hospital Location: Bartons Road, Havant, PO9 5NP Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (N)	142	8	473614 108217
112	Points of Interest - Education and Health Name: BUPA Portsmouth Hospital Location: Bartons Road, Havant, Hampshire, PO9 5NP Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (N)	142	8	473614 108217
112	Points of Interest - Education and Health Name: Spire Portsmouth Hospital Location: Portsmouth Hospital, Bartons Road, Havant, PO9 5NP Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (N)	142	8	473614 108217
113	Points of Interest - Manufacturing and Production Name: Southleigh Landfill - Landfill Gas (DECC) Location: Emsworth Common Road, Havant, Hampshire, PO9 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A18SE (N)	413	8	473921 108457
114	Points of Interest - Manufacturing and Production Name: Tanks Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	853	8	472814 107683
115	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: PO9 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	901	8	472754 107792



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Points of Interest - Manufacturing and Production Name: Tanks Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	901	8	472793 107566
117	Points of Interest - Public Infrastructure Name: Southleigh Landfill Site Location: Badgers Cottage, Emsworth Common Road, Havant, PO9 2PB Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13NE (NE)	70	8	473800 108104
118	Points of Interest - Public Infrastructure Name: The Oaks Havant Crematorium Location: Bartons Road, Havant, PO9 5NA Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A18SW (NW)	298	8	473497 108336
119	Points of Interest - Public Infrastructure Name: Refuse Tip Location: PO9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	419	8	473871 108486
120	Points of Interest - Public Infrastructure Name: Refuse Tip Location: PO9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	572	8	473771 108663
121	Points of Interest - Public Infrastructure Name: Refuse Tip Location: PO9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	583	8	474086 108552
122	Points of Interest - Public Infrastructure Name: Refuse Tip Location: PO9 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	740	8	474213 108651
123	Points of Interest - Public Infrastructure Name: 1st A1 Location: 219 Wakefords Way, Havant, PO9 5JW Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A17NW (NW)	991	8	472839 108661
123	Points of Interest - Public Infrastructure Name: 1st A1 Location: 219 Wakefords Way, Havant, PO9 5JW Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A17NW (NW)	991	8	472839 108661
124	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	482	8	474222 107611
124	Points of Interest - Recreational and Environmental Name: Playground Location: Woolmer Street, PO10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (SE)	484	8	474236 107626
124	Points of Interest - Recreational and Environmental Name: Playground Location: Woolmer Street, PO10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NW (SE)	496	8	474230 107598



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	670	8	472985 108228
125	Points of Interest - Recreational and Environmental Name: Playground Location: Wakefords Way, PO9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	670	8	472985 108228
126	Points of Interest - Recreational and Environmental Name: Play Area Location: Nutwick Road, PO9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NW (SW)	828	8	472909 107472
126	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	830	8	472908 107470
127	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	929	8	472908 107281
127	Points of Interest - Recreational and Environmental Name: Playground Location: Elder Road, PO9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7SW (SW)	931	8	472905 107281



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Ancient Woodland Name: Not Supplied Reference: 1490506 Area(m ²): 124281.33 Type: Ancient and Semi-Natural Woodland	A13NW (NW)	294	9	473441 108292
129	Ancient Woodland Name: Not Supplied Reference: 1490465 Area(m ²): 2906.41 Type: Ancient and Semi-Natural Woodland	A17NE (NW)	666	9	473287 108640
130	Ancient Woodland Name: Emsworth Common Blackbush Coppice Reference: 1491086 Area(m ²): 472068.72 Type: Plantation on Ancient Woodland	A18NE (N)	689	9	473966 108739
131	Ancient Woodland Name: Emsworth Common Blackbush Coppice Reference: 1491333 Area(m ²): 83187.42 Type: Ancient and Semi-Natural Woodland	A18NE (N)	700	9	473962 108752
132	Nitrate Vulnerable Zones Name: Not Supplied Description: Eutrophic Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SW (N)	0	10	473718 107958
133	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A7NE (SW)	538	10	473196 107551
134	Nitrate Vulnerable Zones Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A18NE (N)	700	10	473952 108756



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Hampshire District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department Portsmouth City Council - Health and Trading Standards Winchester City Council - Environmental Health Department	January 2015 January 2015 July 2013 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	January 2016	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region	January 2016 January 2016	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Winchester City Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2014 December 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Winchester City Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2014 December 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Winchester City Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2014 December 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	January 2016 January 2016 January 2016	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	January 2016	Quarterly



Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Southern Region	January 2016	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2016	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2016	Quarterly
Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually



Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	February 2016 February 2016 February 2016 February 2016	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	January 2016 January 2016 January 2016 January 2016	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Chichester District Council - Environmental Health Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department West Sussex County Council - Environment & Development Winchester City Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Chichester District Council - Environmental Health Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department West Sussex County Council - Environment & Development Winchester City Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Sussex Area Environment Agency - Thames Region - South East Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Sussex Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Sussex Area	March 2003 March 2003	Not Applicable Not Applicable



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Chichester District Council - Planning Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Commercial Team Portsmouth City Council - Planning Office West Sussex County Council - Environment & Development Winchester City Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 October 2006 October 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Chichester District Council - Planning Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Commercial Team Portsmouth City Council - Planning Office West Sussex County Council - Environment & Development Winchester City Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 October 2006 October 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update



Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2015	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	March 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2015	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	March 2016	Quarterly
Points of Interest - Education and Health PointX	March 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2016	Quarterly
Points of Interest - Public Infrastructure PointX	March 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2016	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	June 2015	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	April 2016	Bi-Annually
Environmentally Sensitive Areas Natural England	April 2016	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2016	Bi-Annually
Marine Nature Reserves Natural England	April 2016	Bi-Annually
National Nature Reserves Natural England	April 2016	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	April 2016	Bi-Annually
Sites of Special Scientific Interest Natural England	October 2015	Bi-Annually
Special Areas of Conservation Natural England	April 2016	Bi-Annually
Special Protection Areas Natural England	April 2016	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	Bi-Annually



A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	



Contact	Name and Address	Contact Details
2	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Havant Borough Council - Environmental Health Department Public Service PLaza, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 023 9244 6677 Email: env.services@havant.gov.uk Website: www.havant.gov.uk
5	Hampshire County Council - Minerals and Waste Planning Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
6	East Hampshire District Council Penns Place, Petersfield, Hampshire, GU31 4EX	Telephone: 01730 266551 Fax: 01730 267366 Website: www.easthants.gov.uk
7	Havant Borough Council - Commercial Team Civic Offices, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 02392 474174 Fax: 02392 446659 Website: www.havant.gov.uk
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
11	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



General

- General**

 - Specified Site
 - Specified Buffer(s)
 - Pylon
 - Several of Type at Location
 - Overhead Transmission Line
 - Map ID

Agency and Hydrological

 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral

Hazardous Substances

 - COMAH Site
 - Explosive Site
 - NIHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement

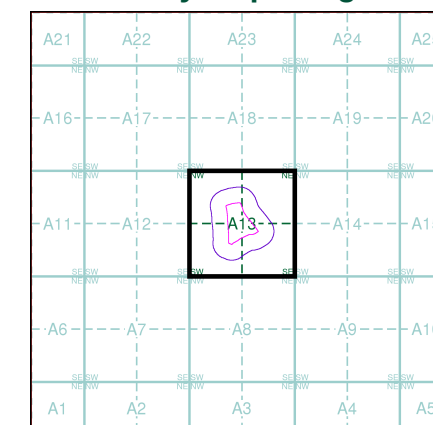
Geological

 - BGS Recorded Mineral Site

Waste

 - BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13



Order Details

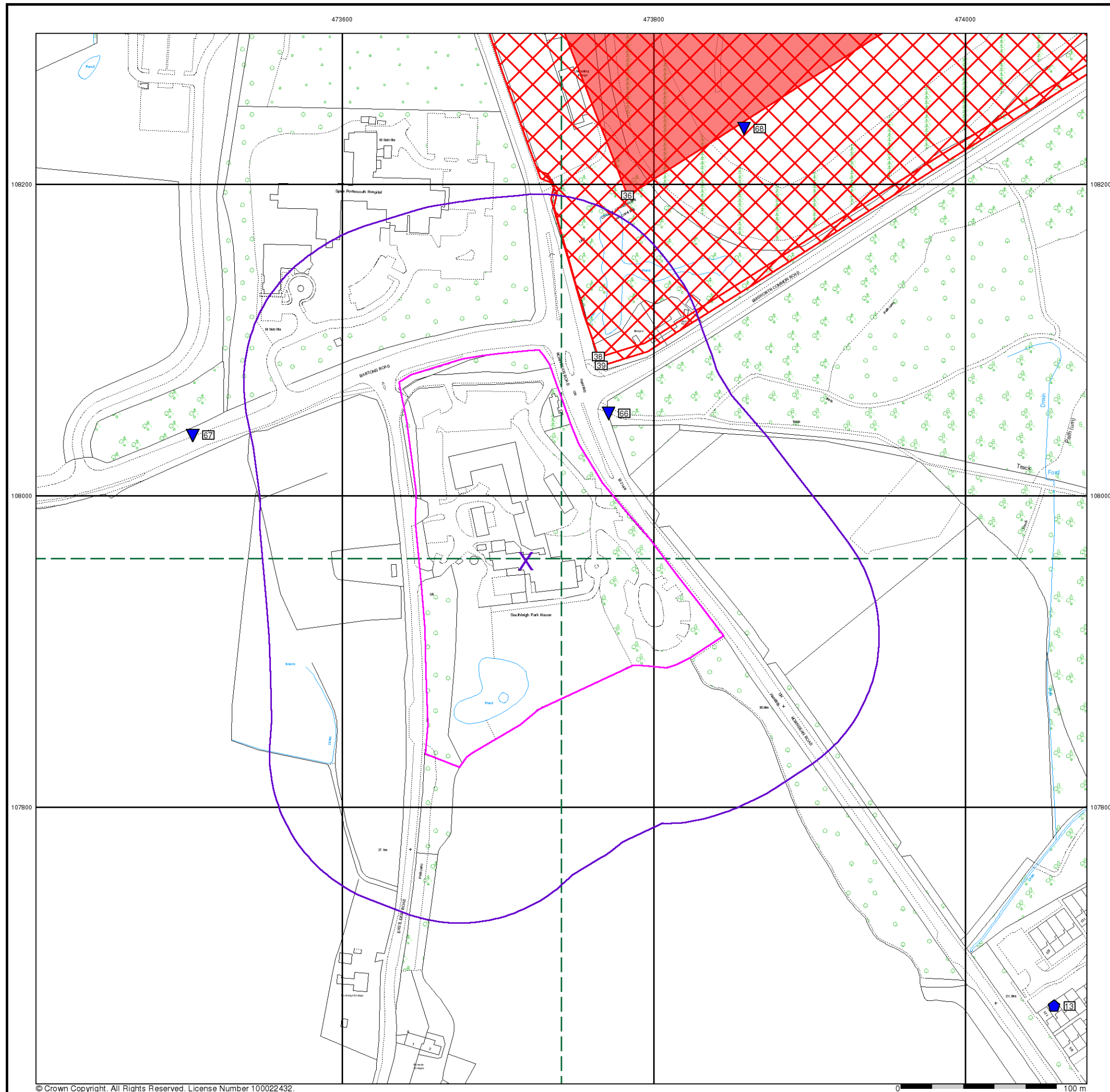
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Site Area (Ha): 3.17
Plot Buffer (m): 100

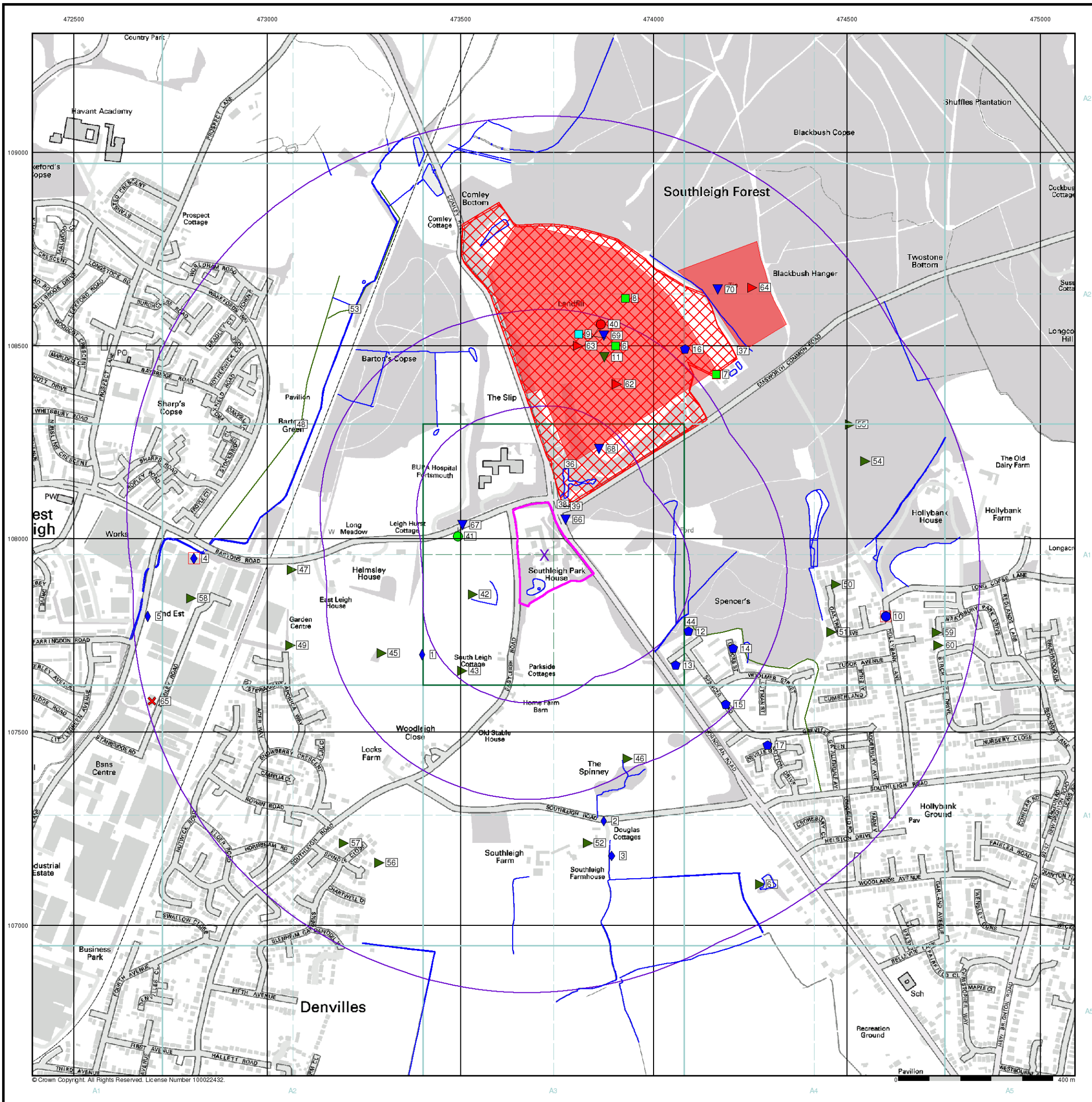
Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire,
PO9 2PE



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk





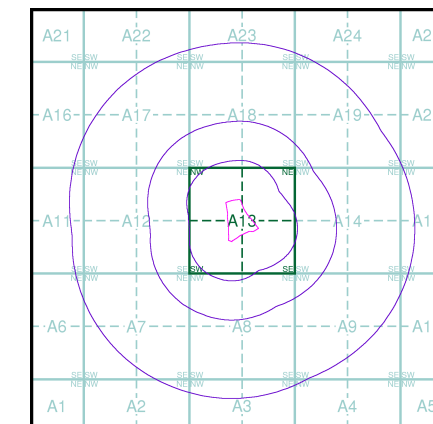
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Geo-Environmental

- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention and Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
 - BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
 - COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
 -

Site Sensitivity Map - Slice A



Order Details

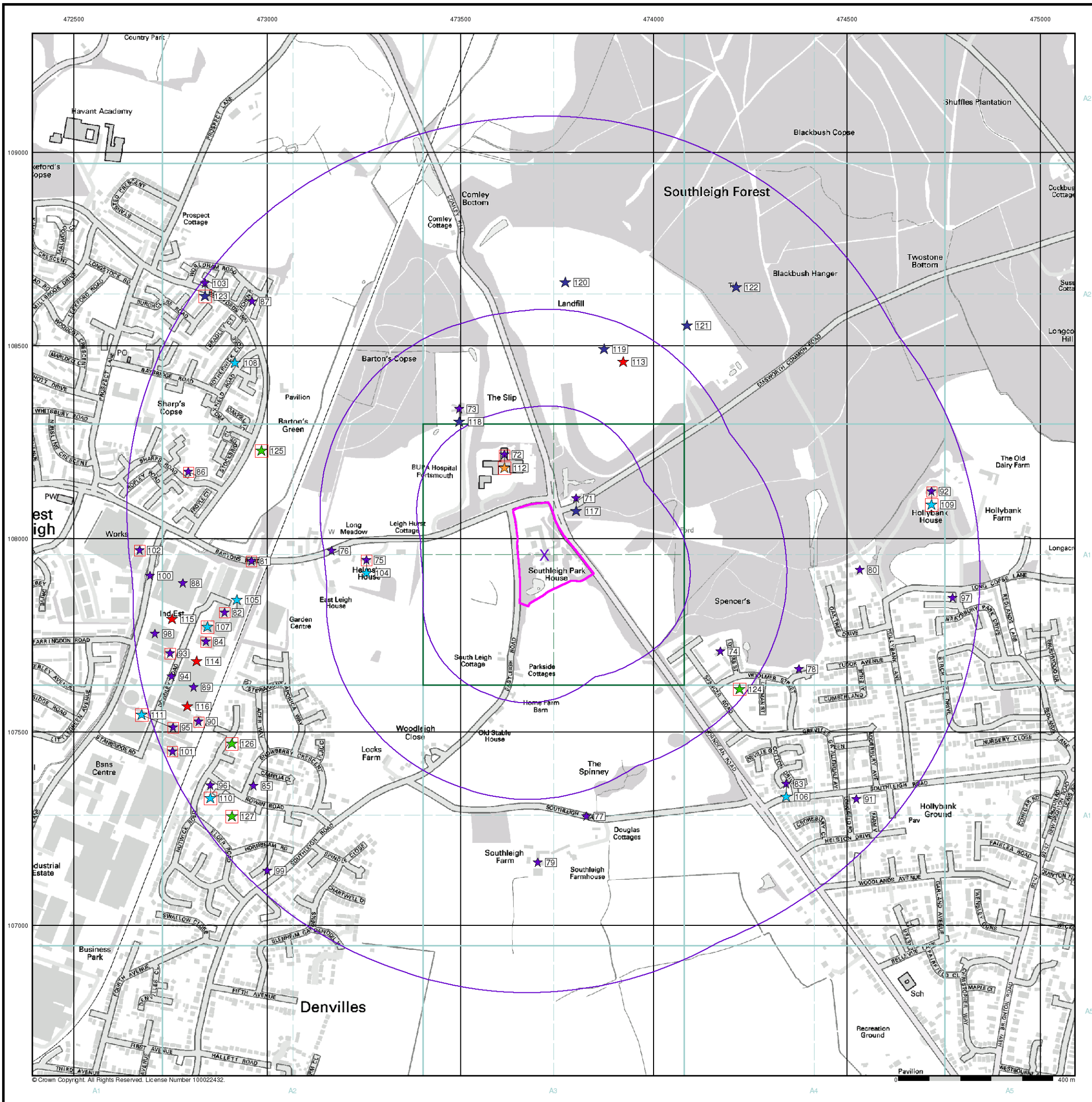
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Customer Ref: GE15562
National Grid Reference: 473720, 107960
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Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

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Geo-Environmental Industrial Land Use Map

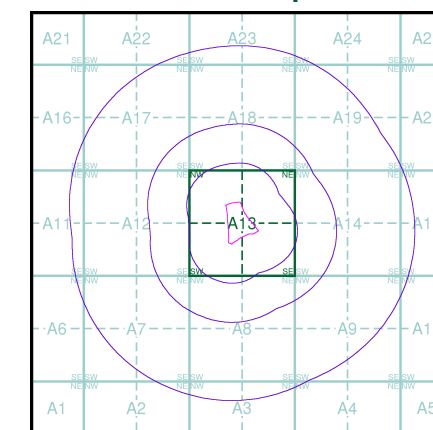
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

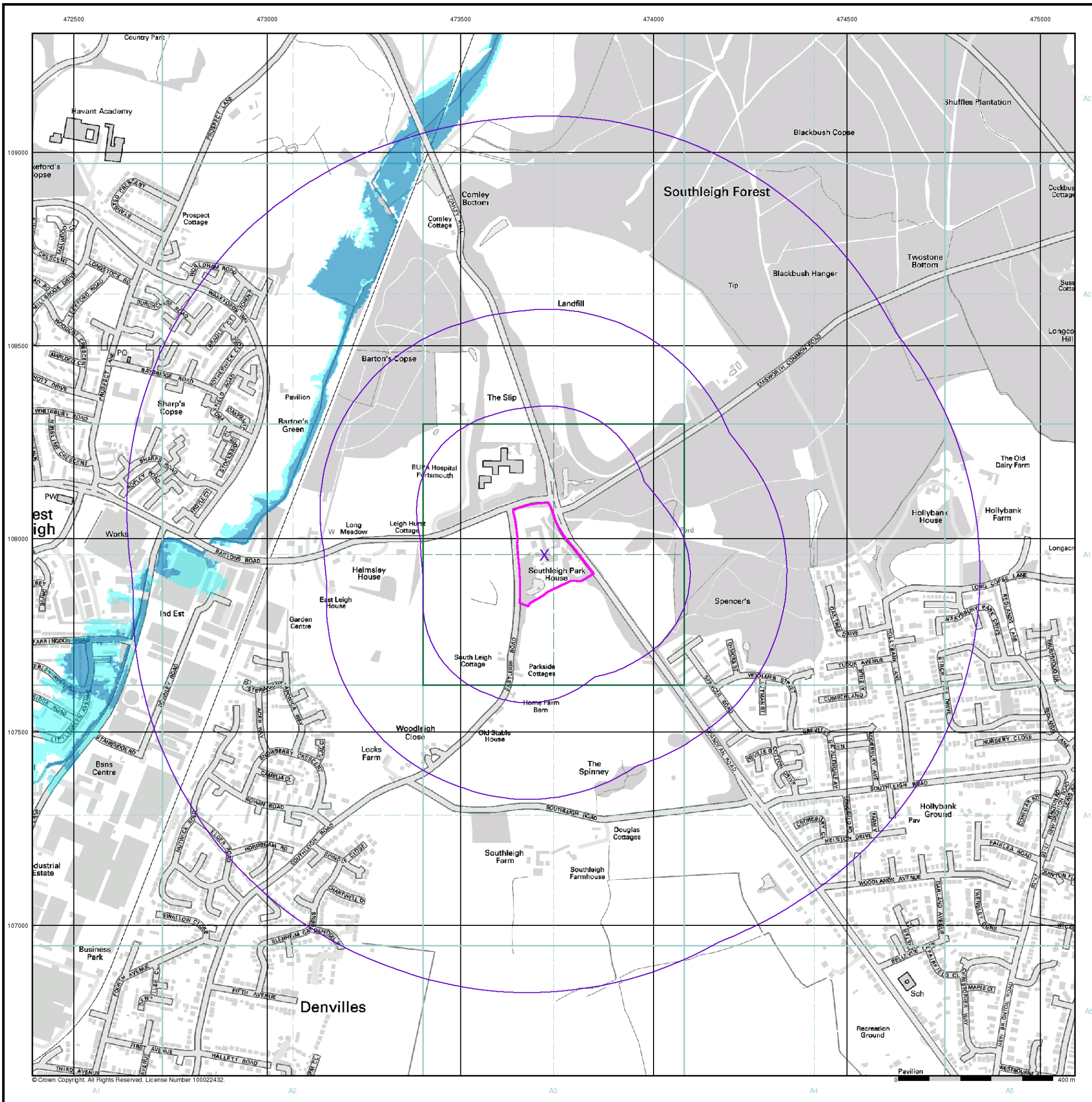
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Site Area (Ha): 3.17
Search Buffer (m): 1000

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Geo-Environmental

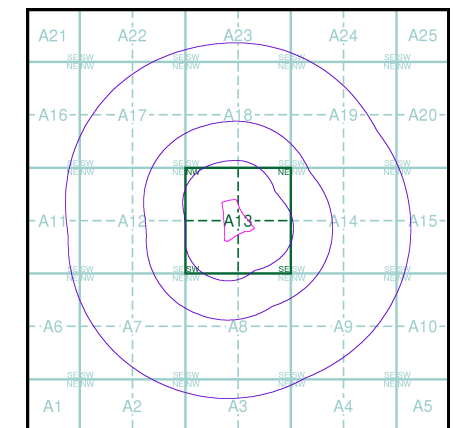
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

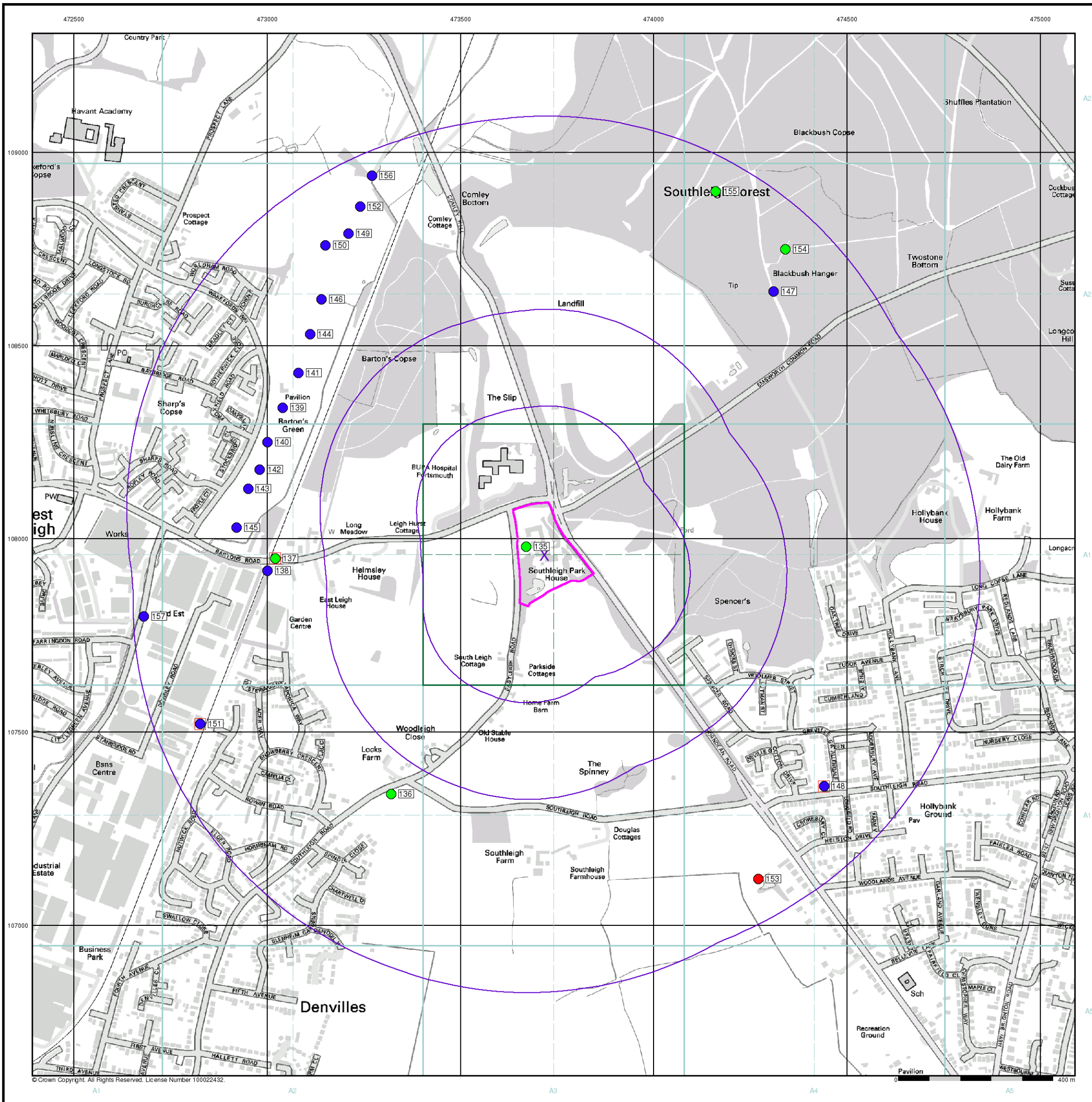
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 Customer Ref: GE15562
 National Grid Reference: 473720, 107960
 Slice: A
 Site Area (Ha): 3.17
 Search Buffer (m): 1000

Site Details

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Geo-Environmental

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

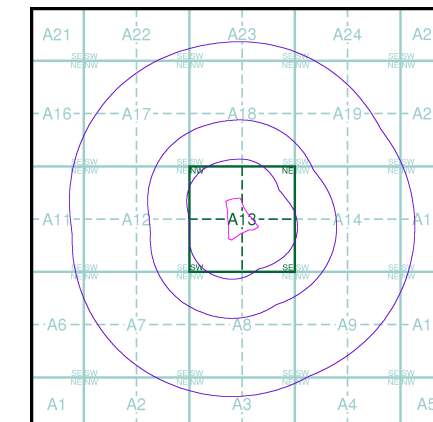
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

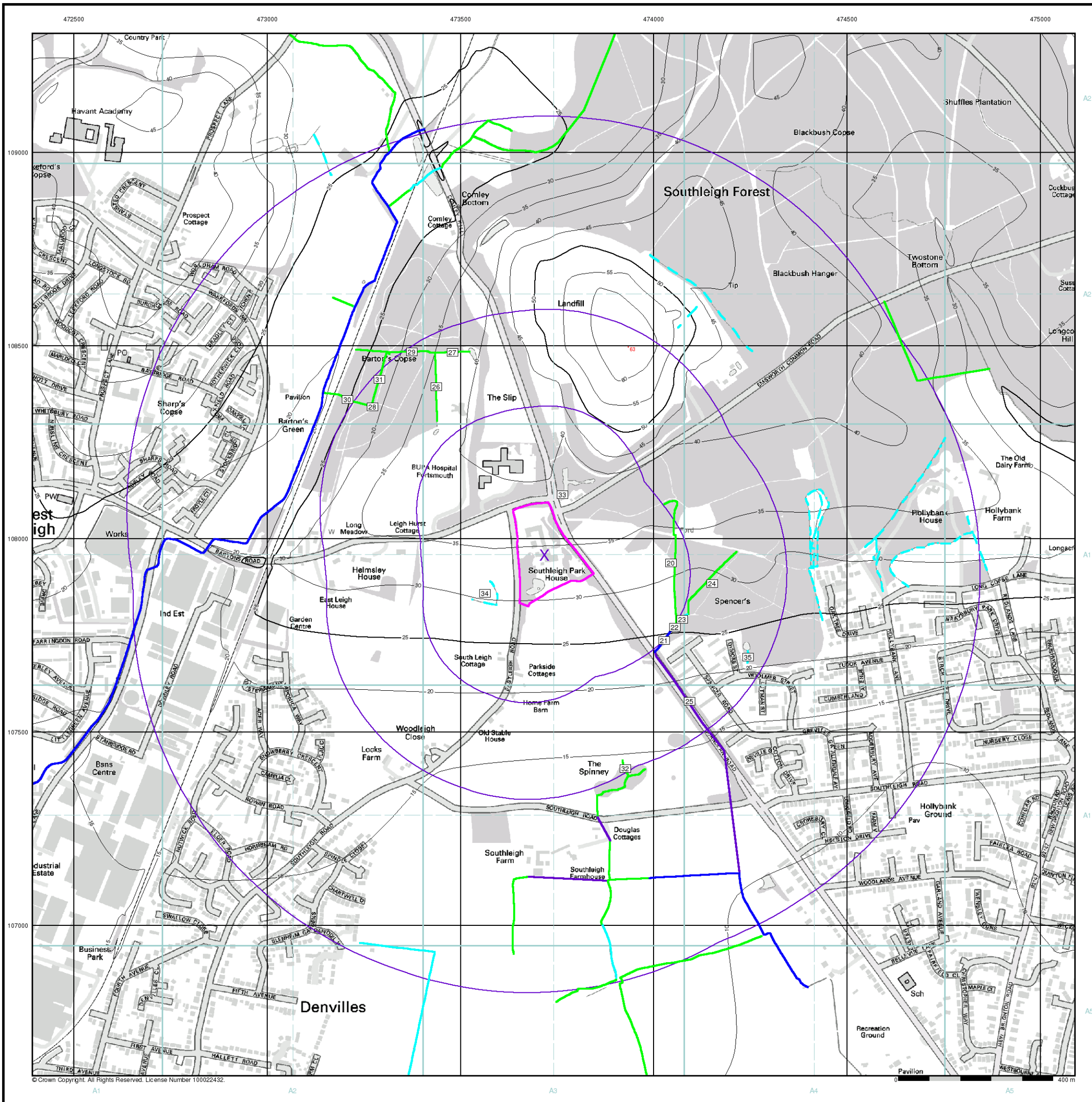
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 Customer Ref: GE15562
 National Grid Reference: 473720, 107960
 Slice: A
 Site Area (Ha): 3.17
 Search Buffer (m): 1000

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Geo-Environmental

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID

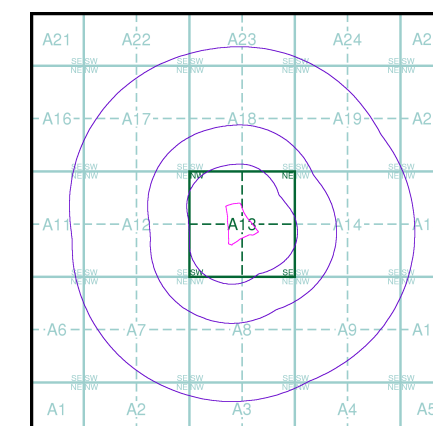
Detailed River Network Data

- | | |
|--------------------------|-------------------------------------|
| Primary River | Extended Culvert (greater than 50m) |
| Secondary River | Underground River (inferred) |
| Tertiary River | Underground River (local knowledge) |
| Canal | Downstream of High Water Mark |
| Canal Tunnel | Downstream of Seaward Extension |
| Undefined River | Not assigned River feature |
| Lake/Reservoir | |
| Offline Drainage Feature | |

Contours (height in metres)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

E/NRW Detailed River Network Map - Slice A



Order Details

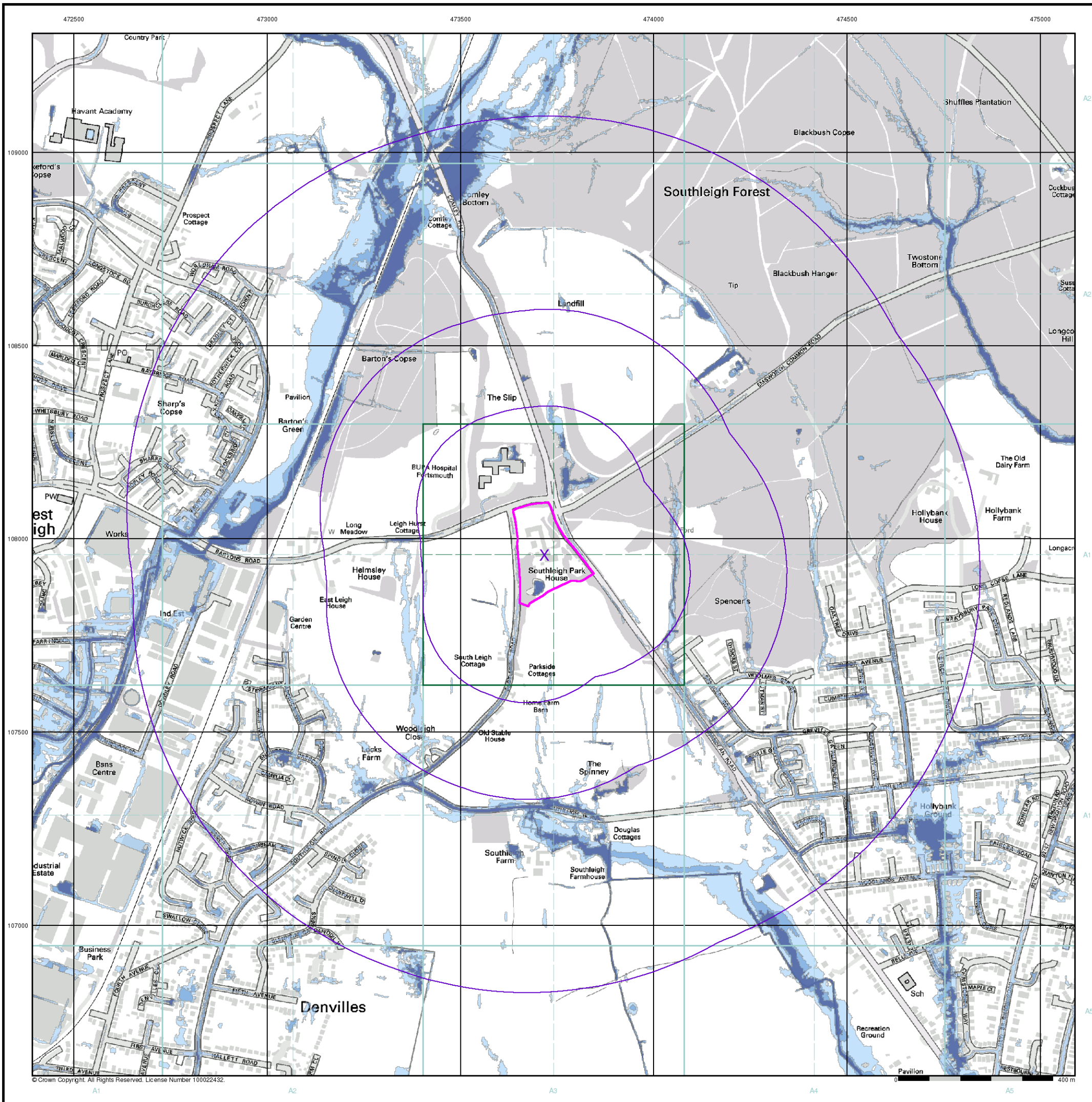
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Search Buffer (m): 1000

Site Details

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Geo-Environmental

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

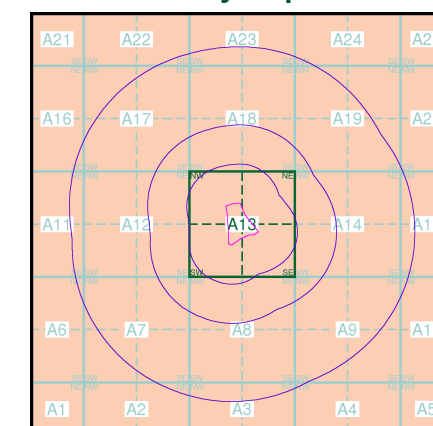
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

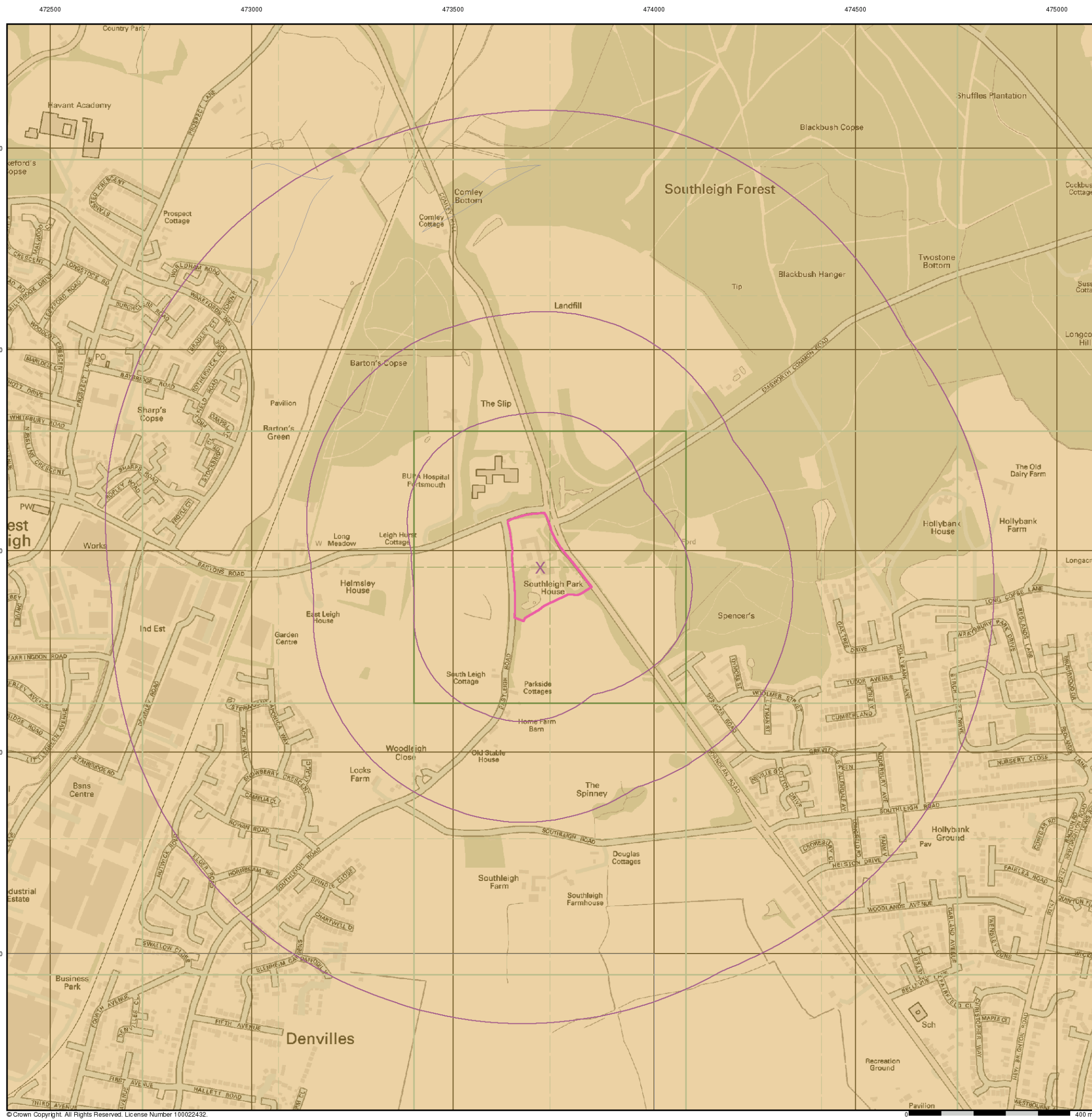
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



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Fax: 0844 844 9951
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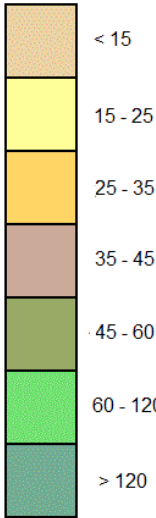
Geo-Environmental

General

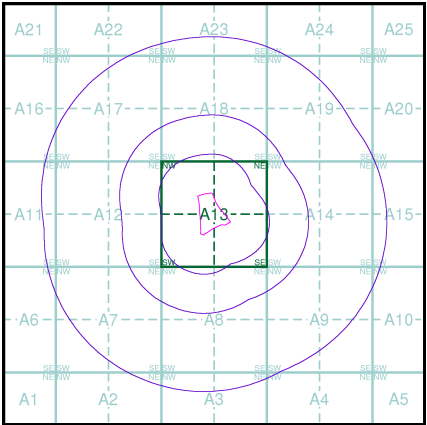
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

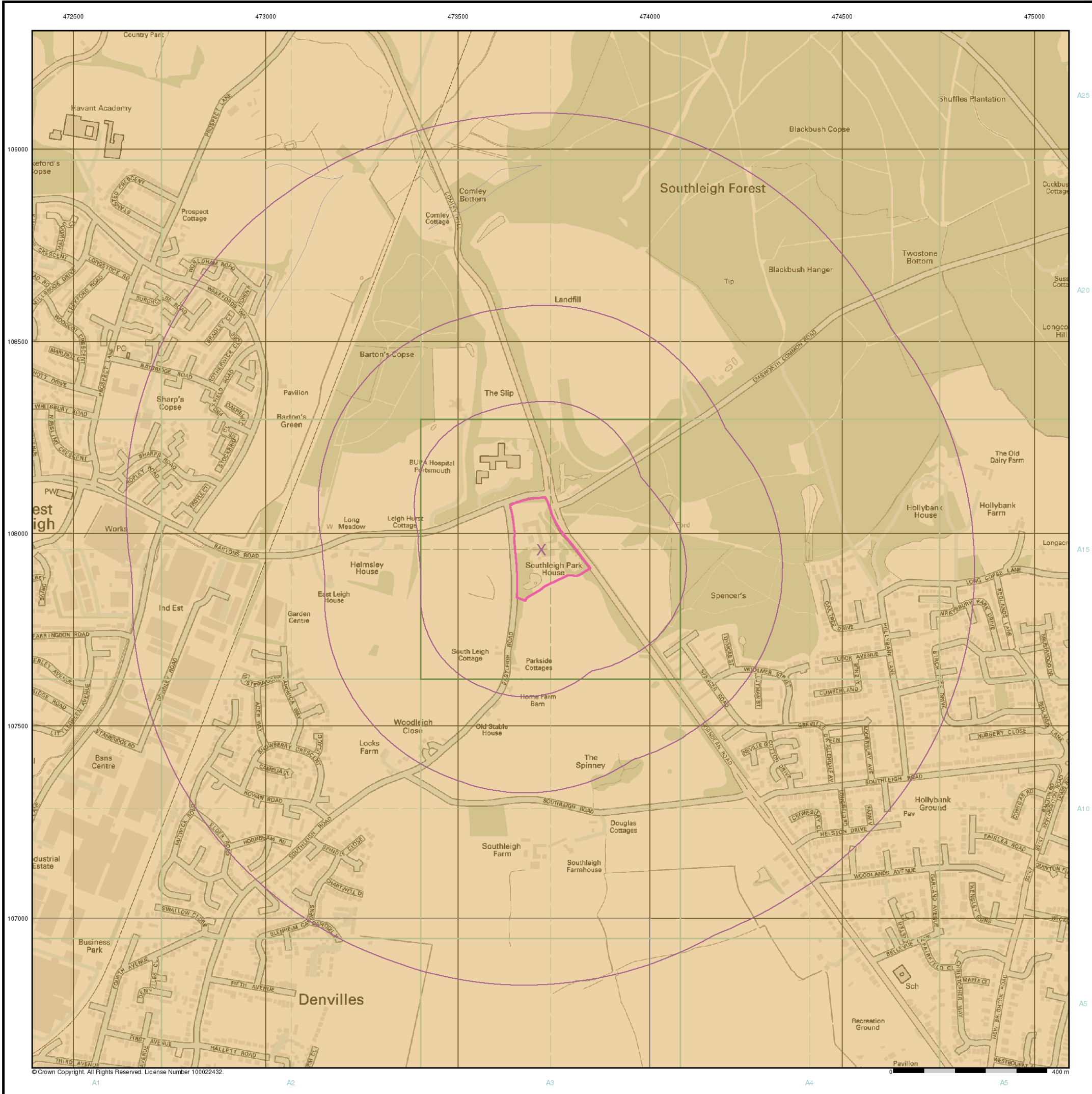
Order Details: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



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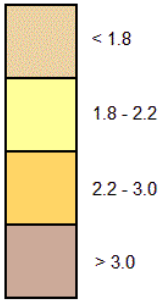
Geo-Environmental

General

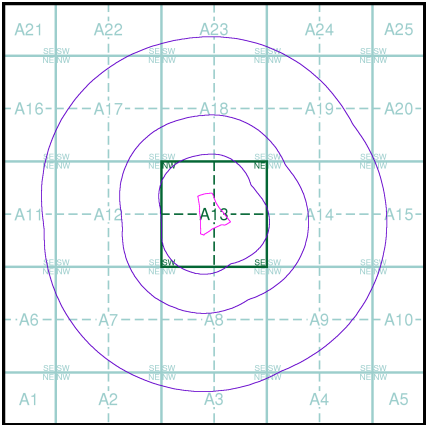
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

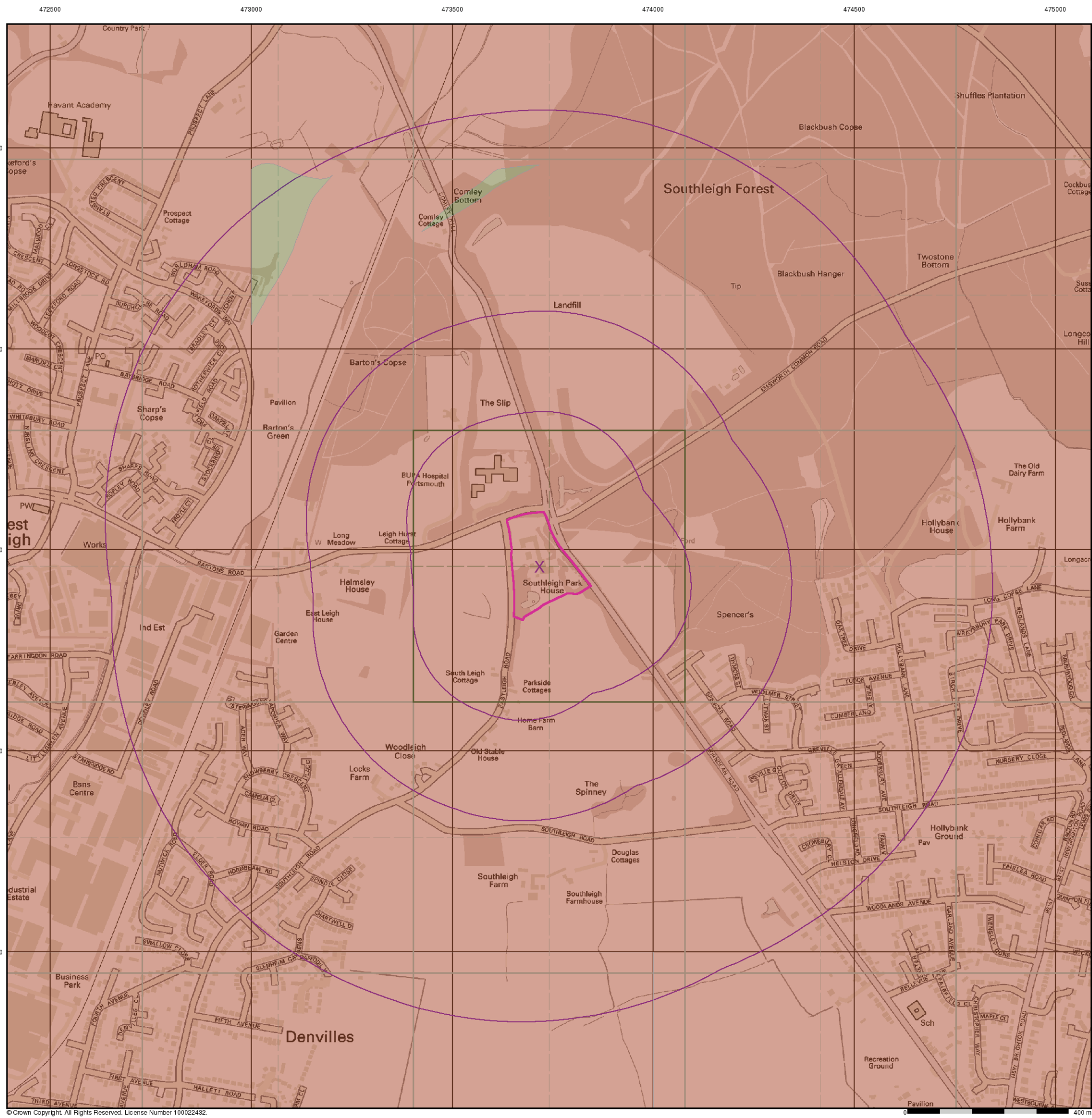
Order Details: 85480247_1_1
 Customer Ref: GE15562
 National Grid Reference: 473720, 107960
 Slice: A
 Site Area (Ha): 3.17
 Search Buffer (m): 1000

Site Details

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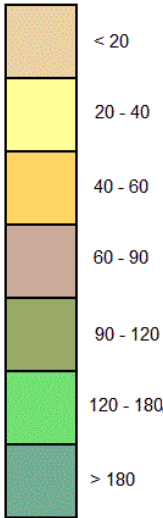
Geo-Environmental

General

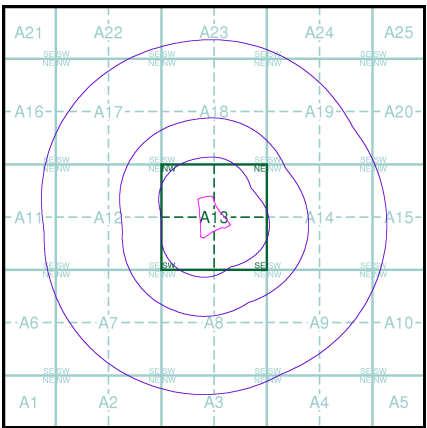
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

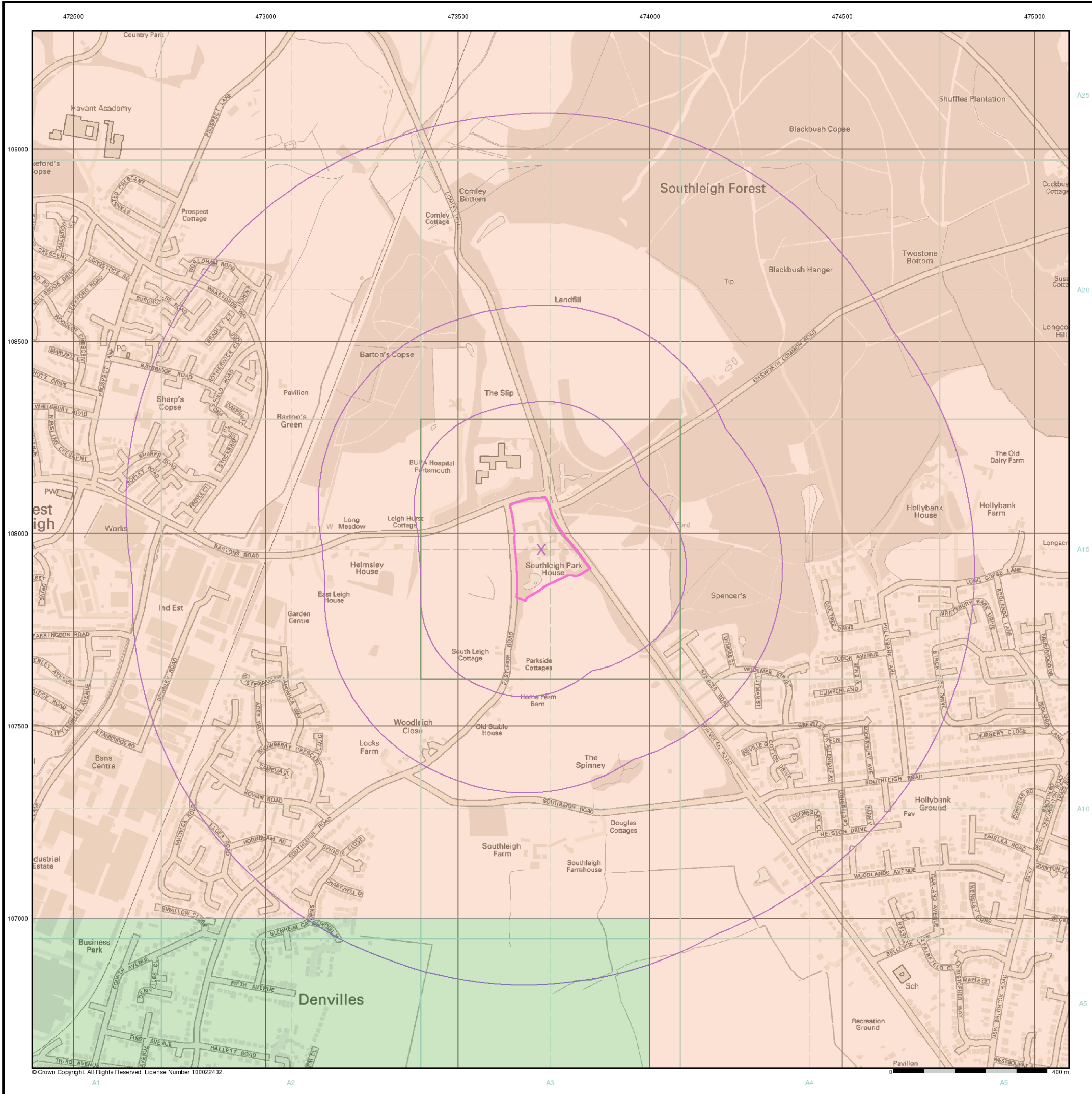
Order Details: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

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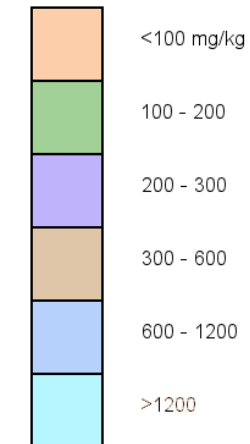
Geo-Environmental

General

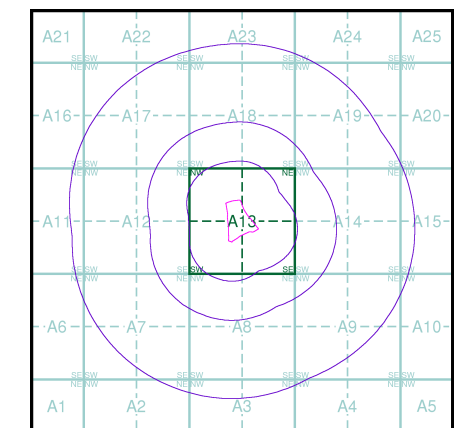
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

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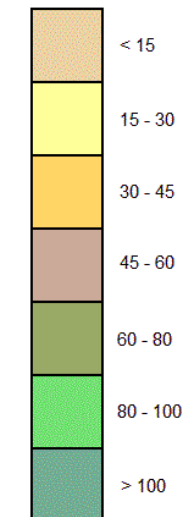
Geo-Environmental

General

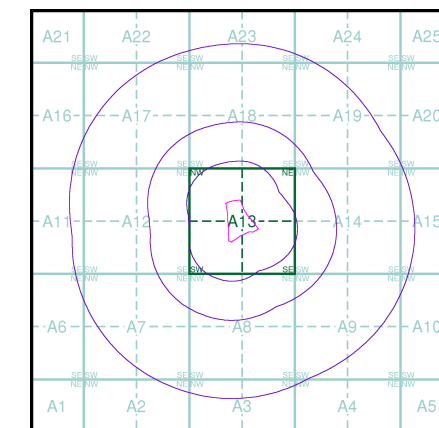
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

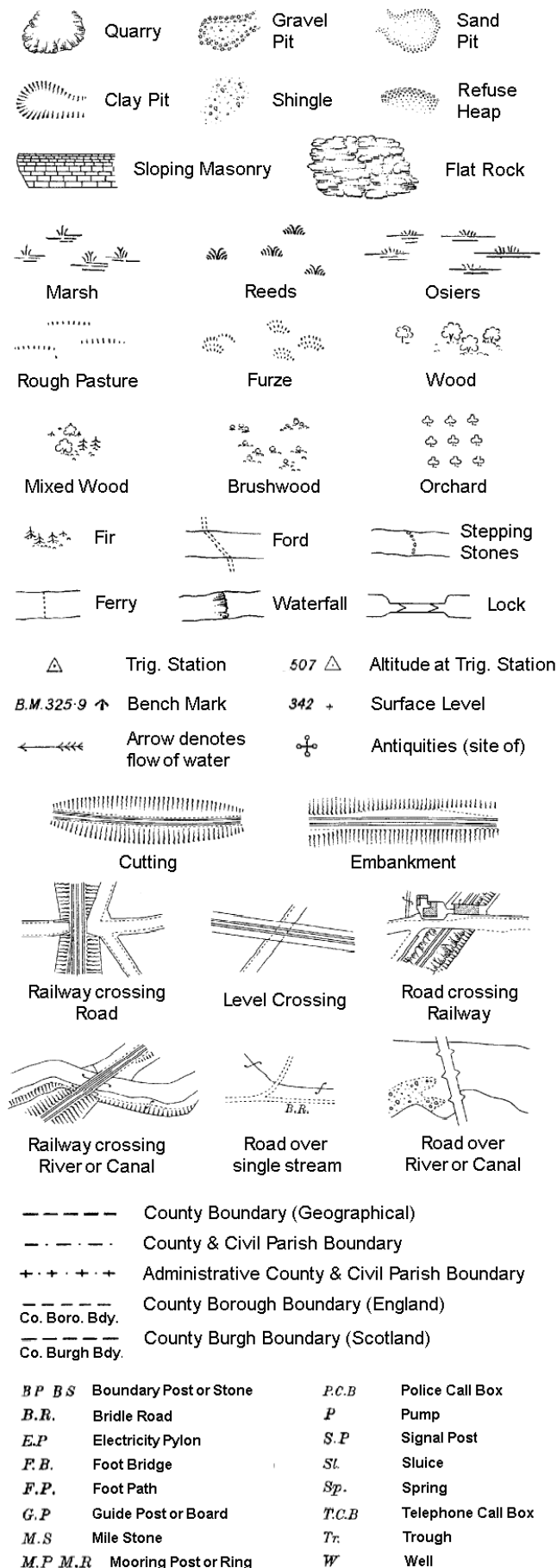
Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



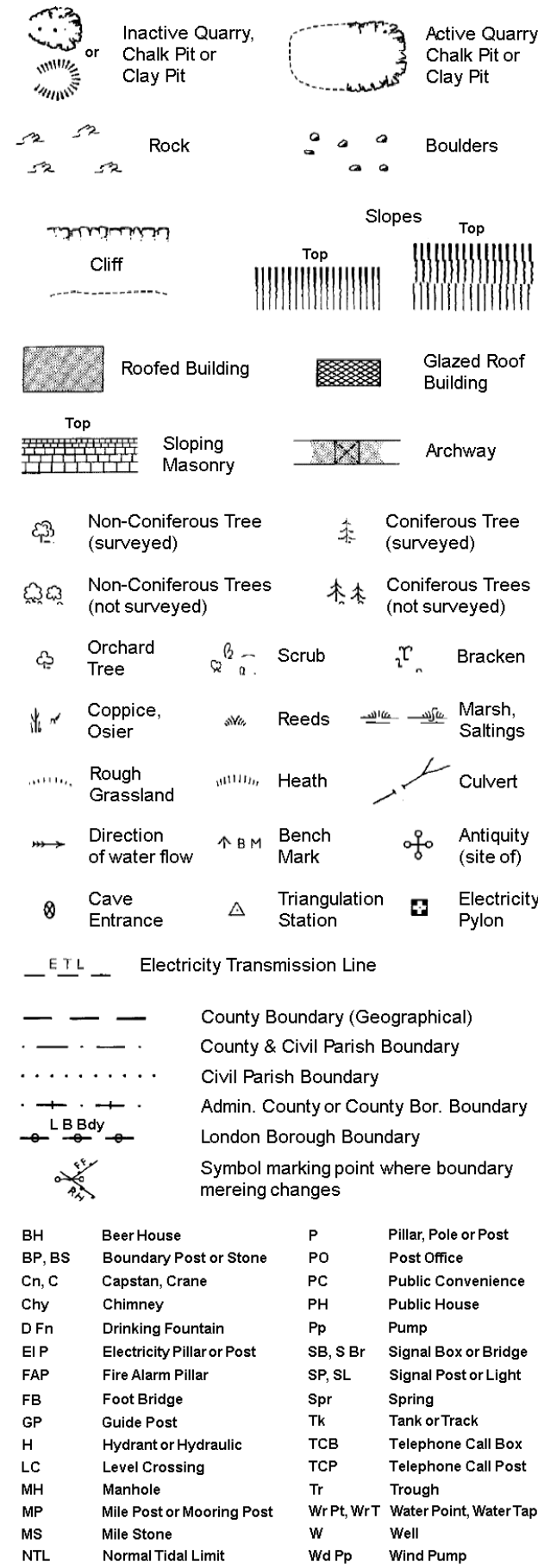
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

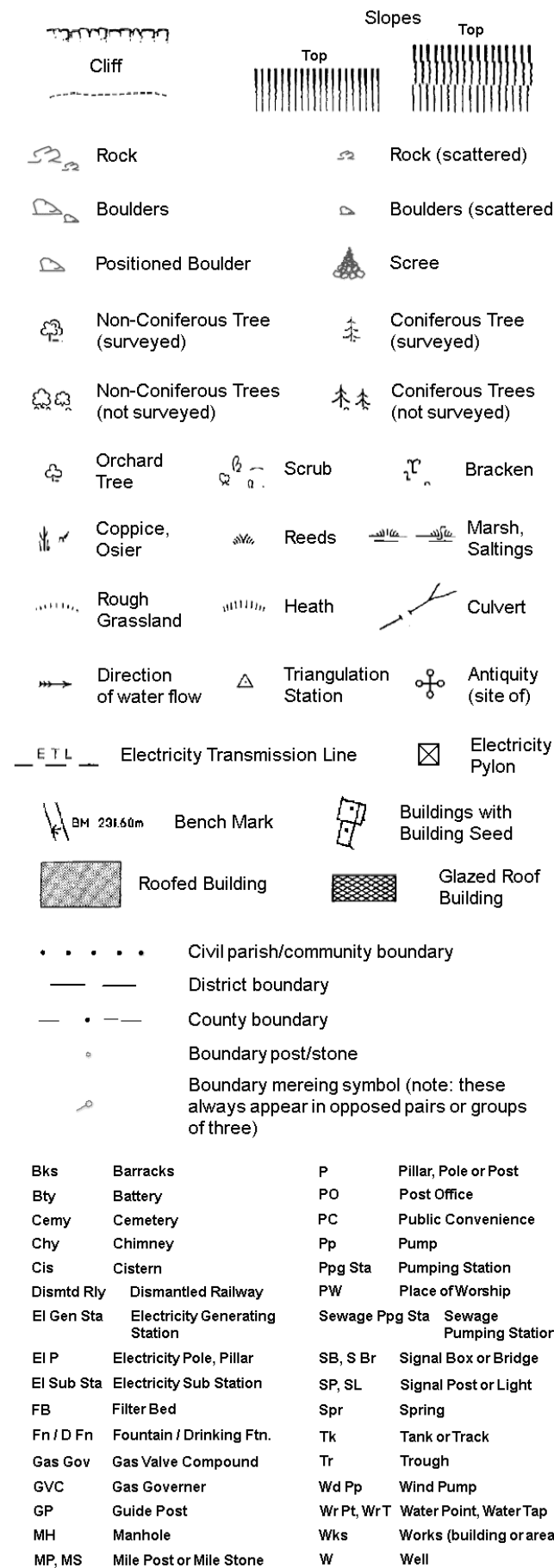
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



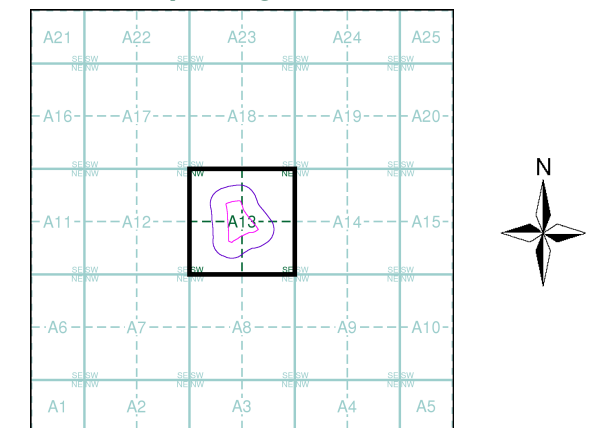
Large-Scale National Grid Data 1:2,500 and 1:1,250



Geo-Environmental Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1866 - 1869	2
Sussex	1:2,500	1889	3
Hampshire & Isle Of Wight	1:2,500	1893	4
Hampshire & Isle Of Wight	1:2,500	1897	5
Sussex	1:2,500	1898	6
Hampshire & Isle Of Wight	1:2,500	1909	7
Sussex	1:2,500	1912	8
Hampshire & Isle Of Wight	1:2,500	1932	9
Ordnance Survey Plan	1:2,500	1952 - 1972	10
Ordnance Survey Plan	1:2,500	1955	11
Ordnance Survey Plan	1:1,250	1967 - 1981	12
Additional SIMs	1:2,500	1969 - 1990	13
Ordnance Survey Plan	1:2,500	1970	14
Supply of Unpublished Survey Information	1:2,500	1973	15
Large-Scale National Grid Data	1:2,500	1993	16
Large-Scale National Grid Data	1:1,250	1993	17
Large-Scale National Grid Data	1:2,500	1996	18
Large-Scale National Grid Data	1:1,250	1996	19

Historical Map - Segment A13



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

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Geo-Environmental Hampshire & Isle Of Wight

Published 1866 - 1869

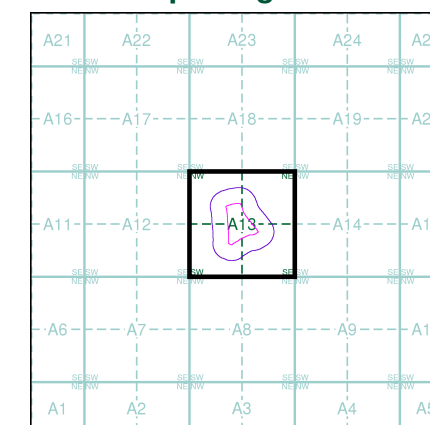
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

076_04 1866 1:2,500
076_08 1869 1:2,500

Historical Map - Segment A13



Order Details

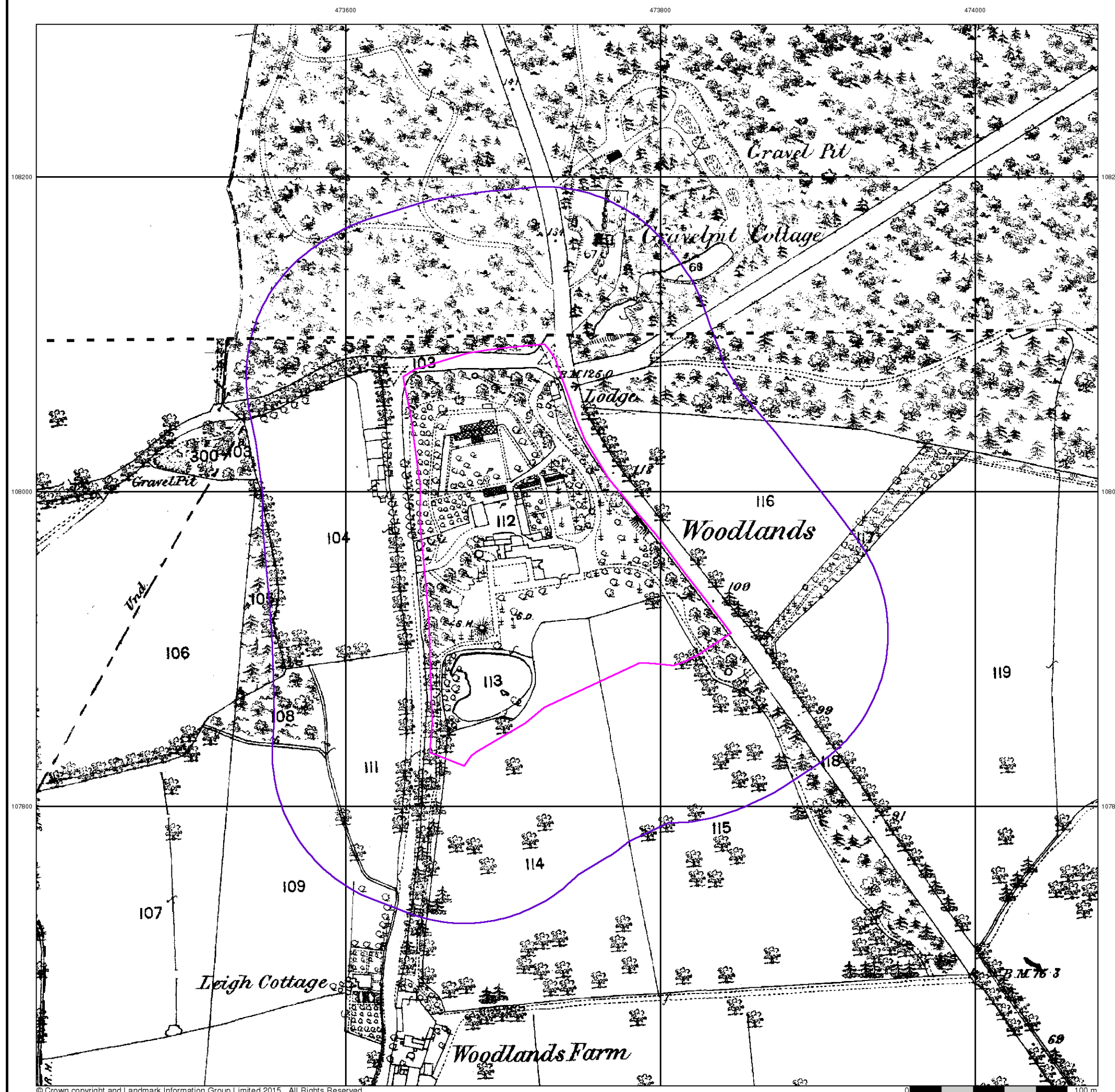
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

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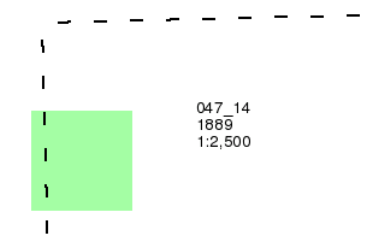
Geo-Environmental Sussex

Published 1889

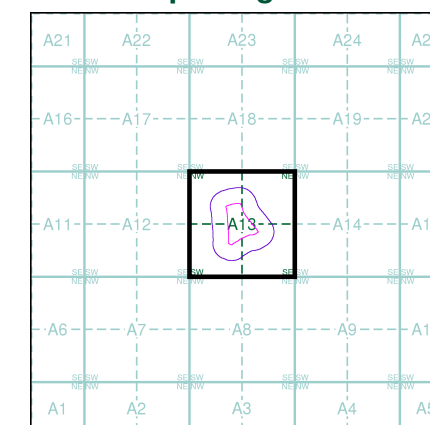
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

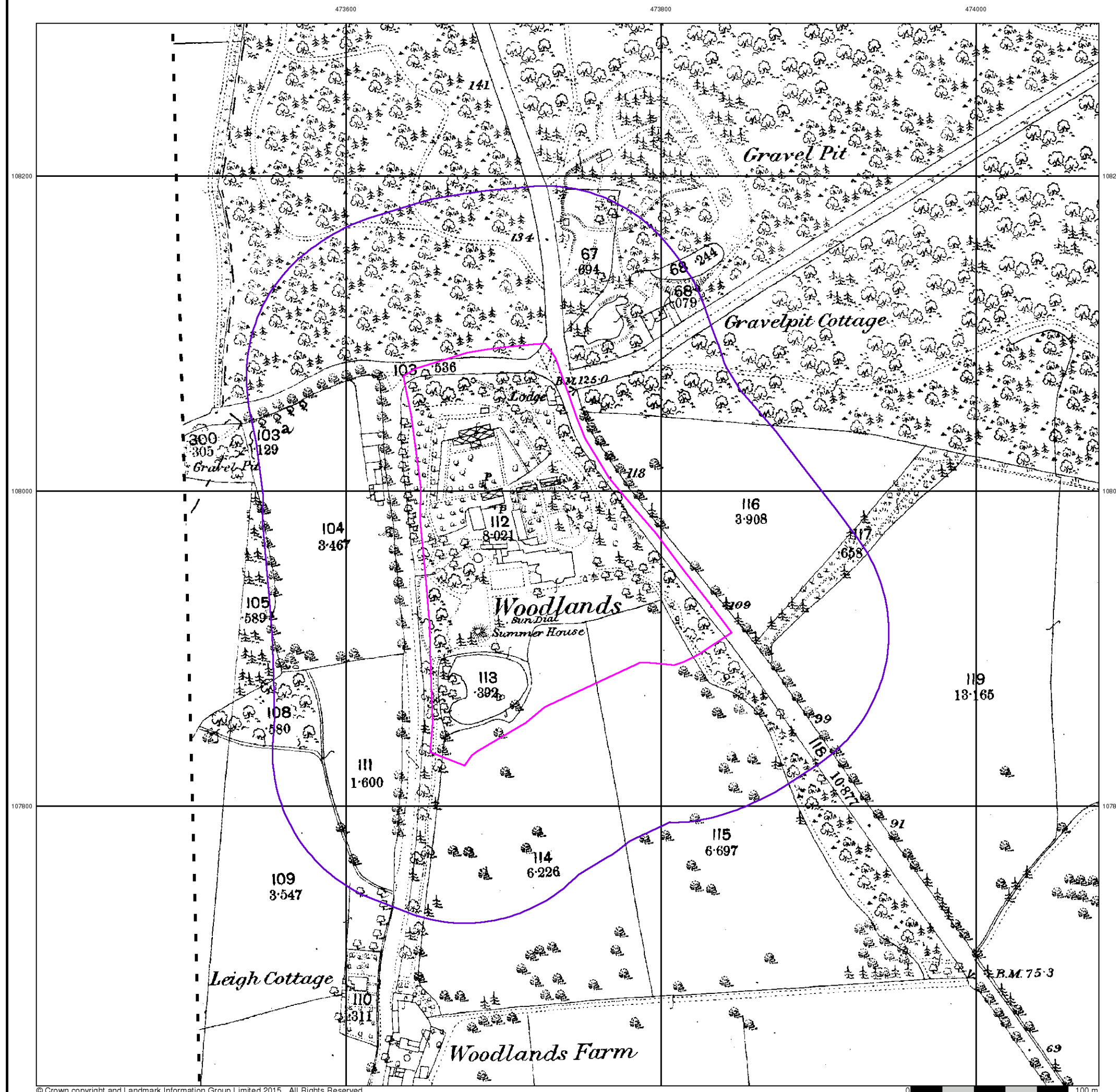
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

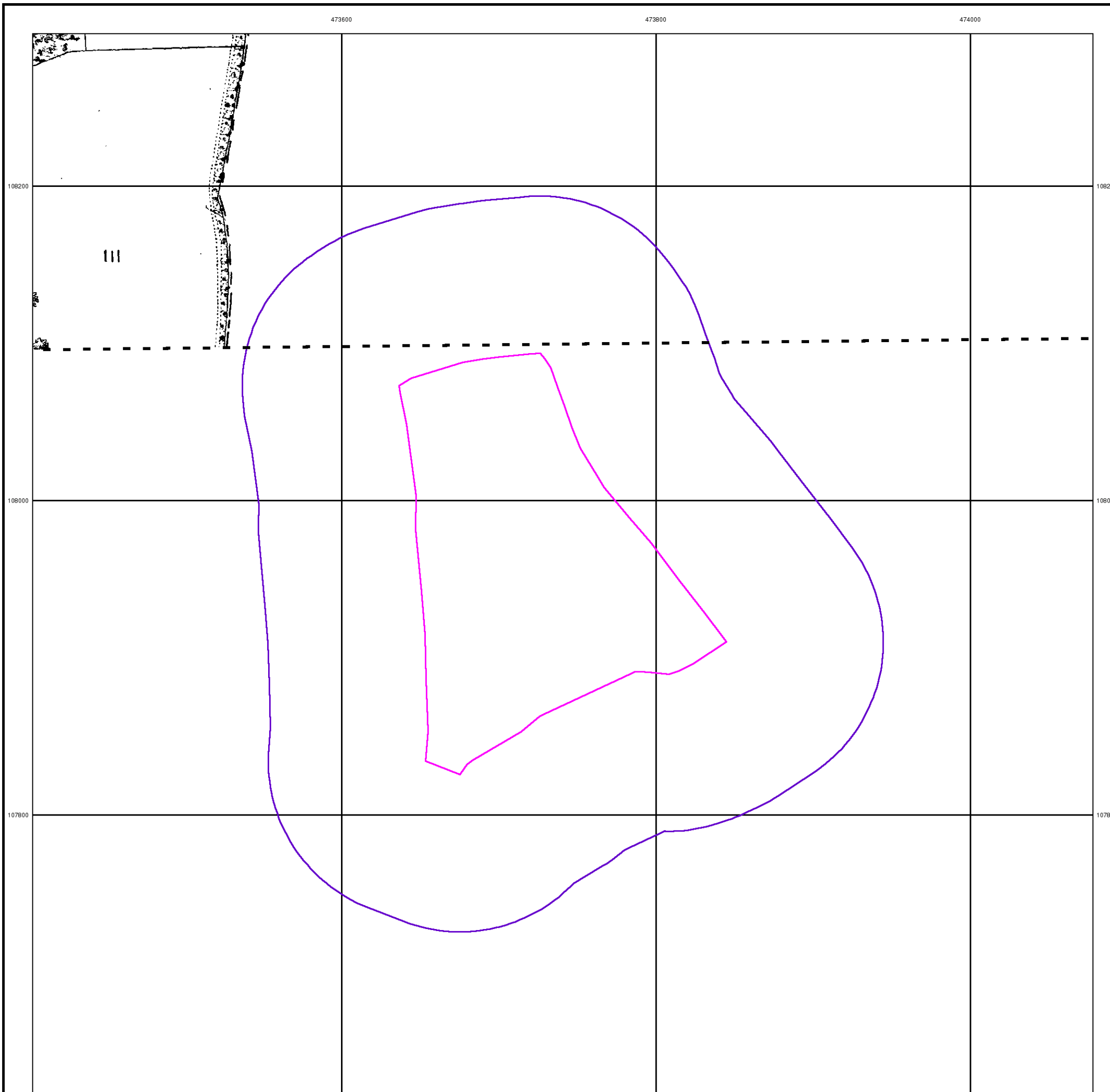
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0 100 m



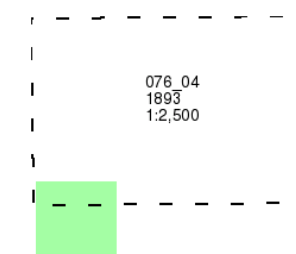
Geo-Environmental Hampshire & Isle Of Wight

Published 1893

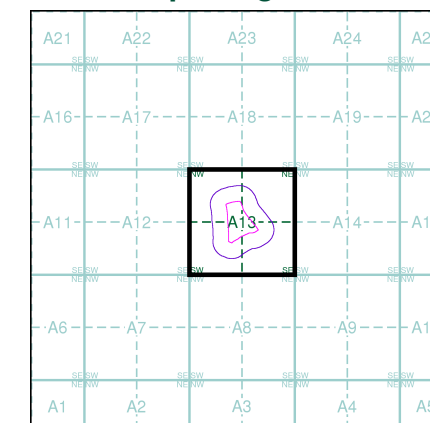
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

Site Details

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Geo-Environmental Hampshire & Isle Of Wight

Published 1897

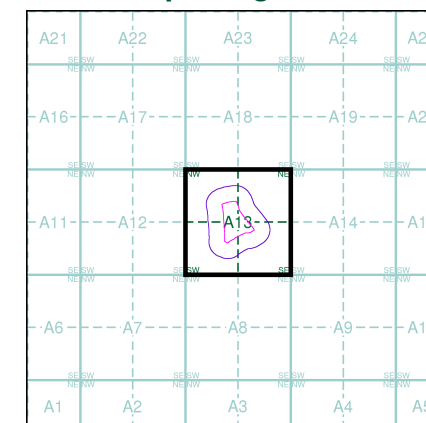
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

076_04
1897
1:2,500
076_08
1897
1:2,500

Historical Map - Segment A13



Order Details

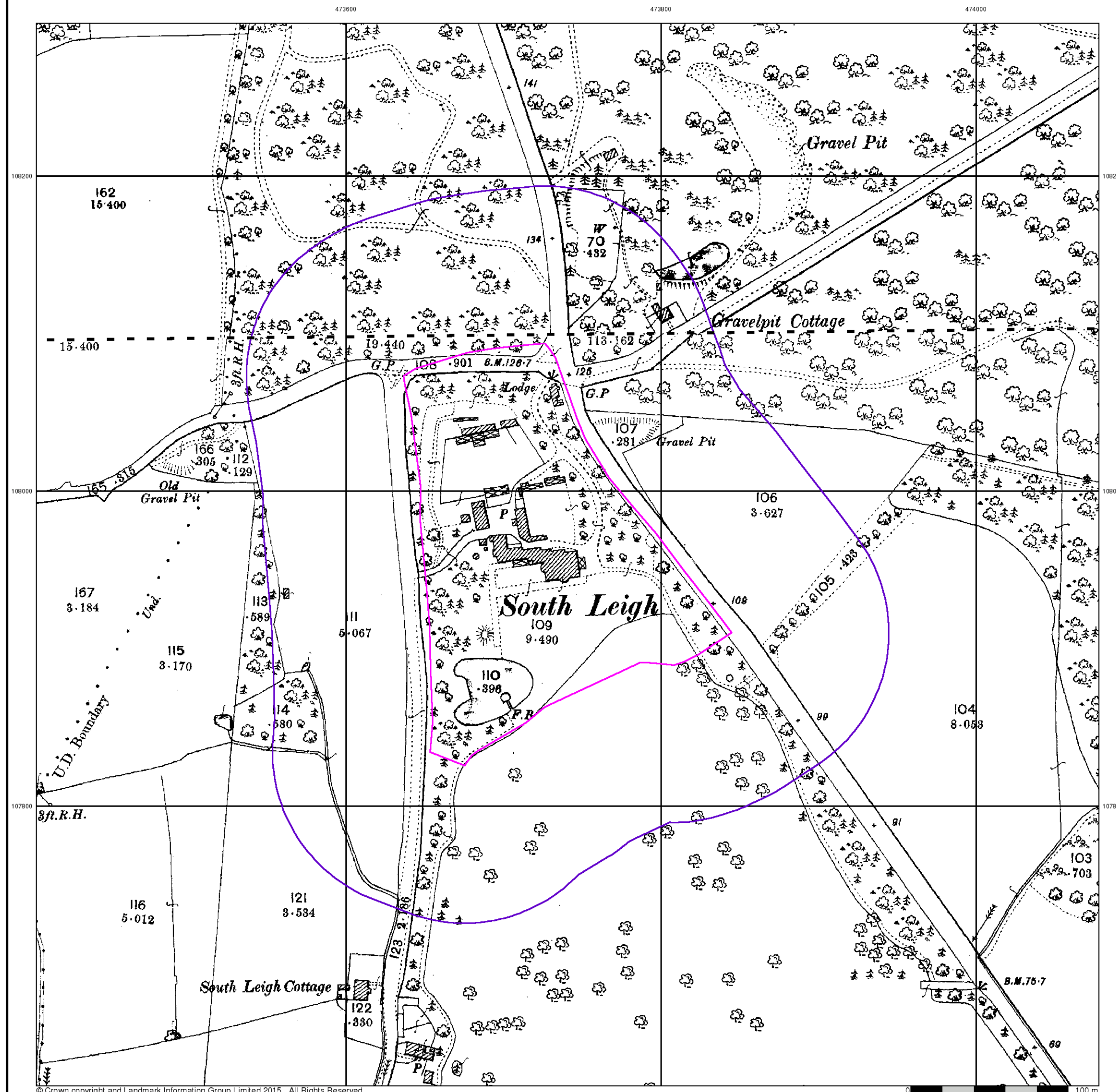
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



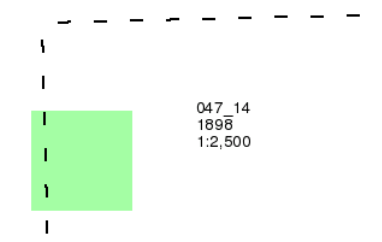
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Web: www.envirocheck.co.uk



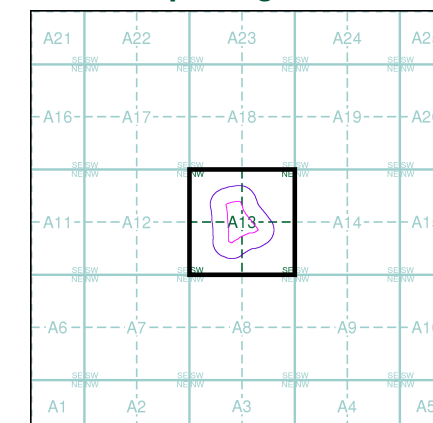


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

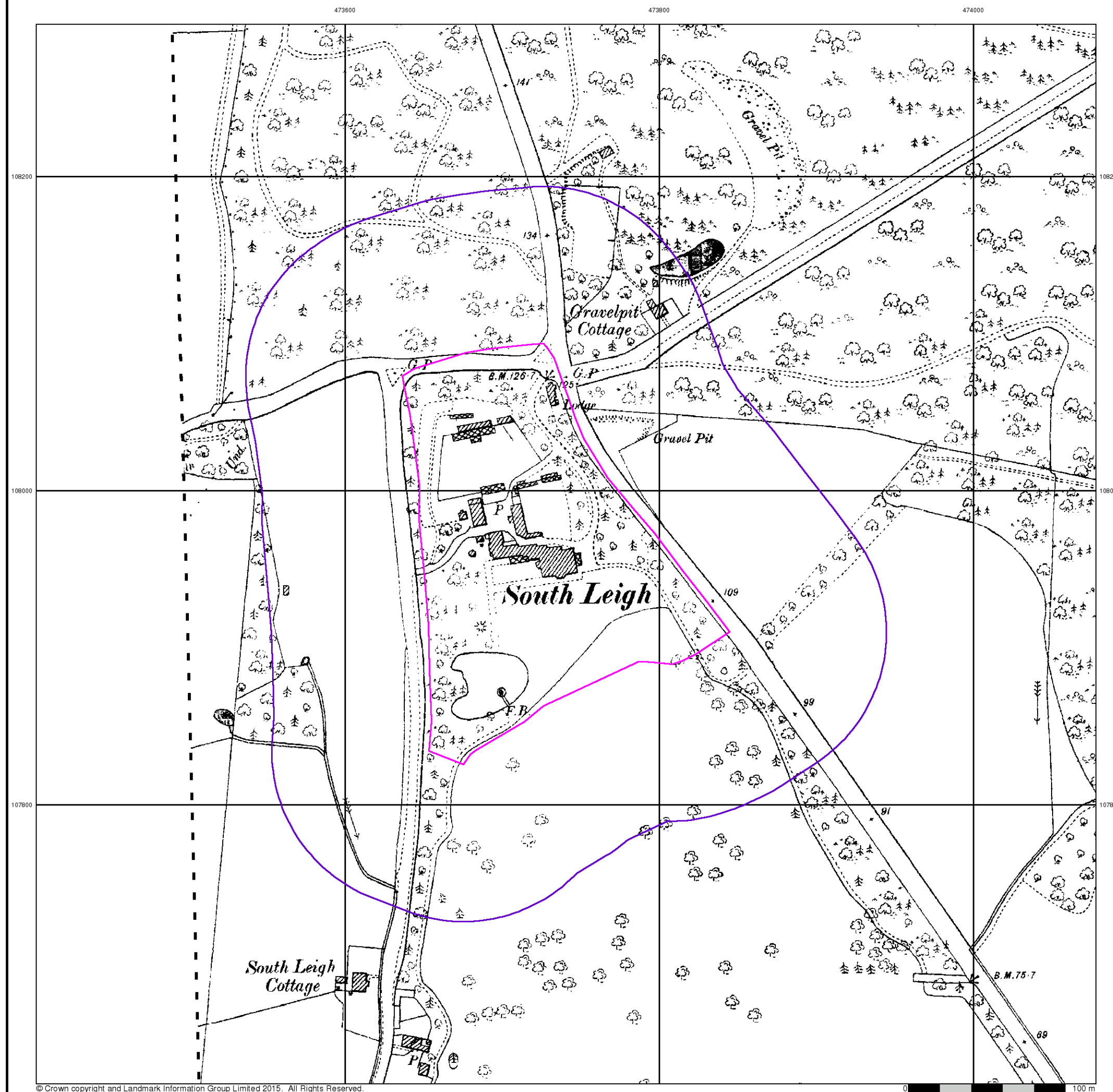
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National Grid Reference:	473720, 107960
Slice:	A
Site Area (Ha):	3.17
Search Buffer (m):	100

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Geo-Environmental Hampshire & Isle Of Wight

Published 1909

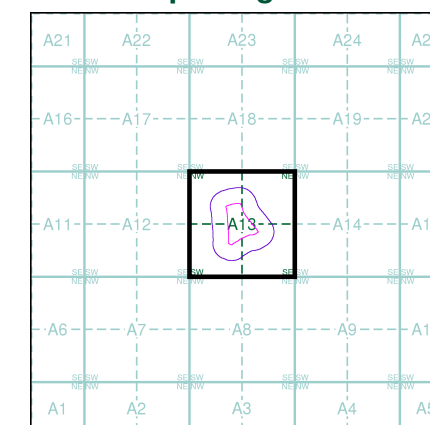
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

076_04
1909
1:2,500
076_08
1909
1:2,500

Historical Map - Segment A13



Order Details

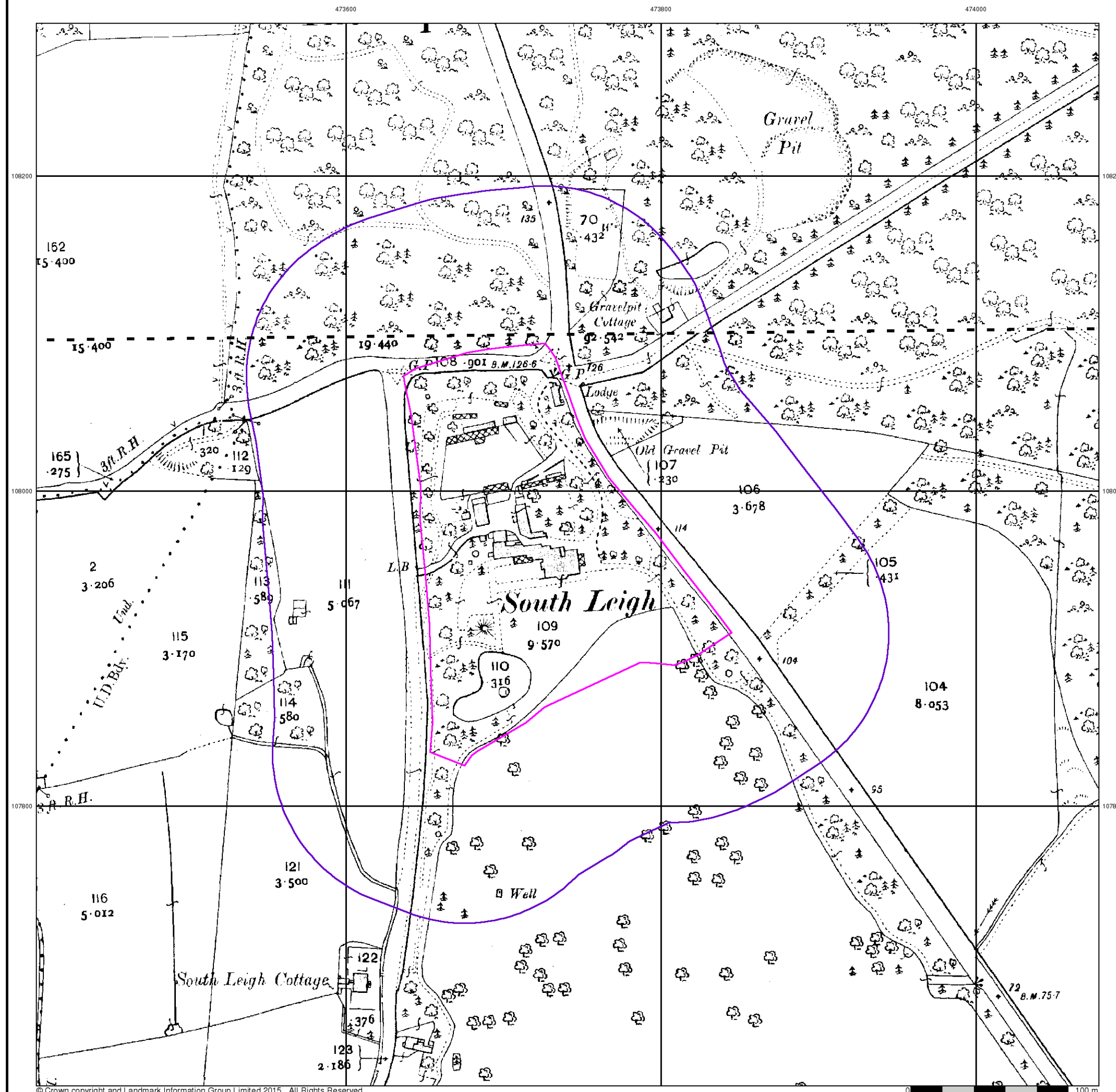
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

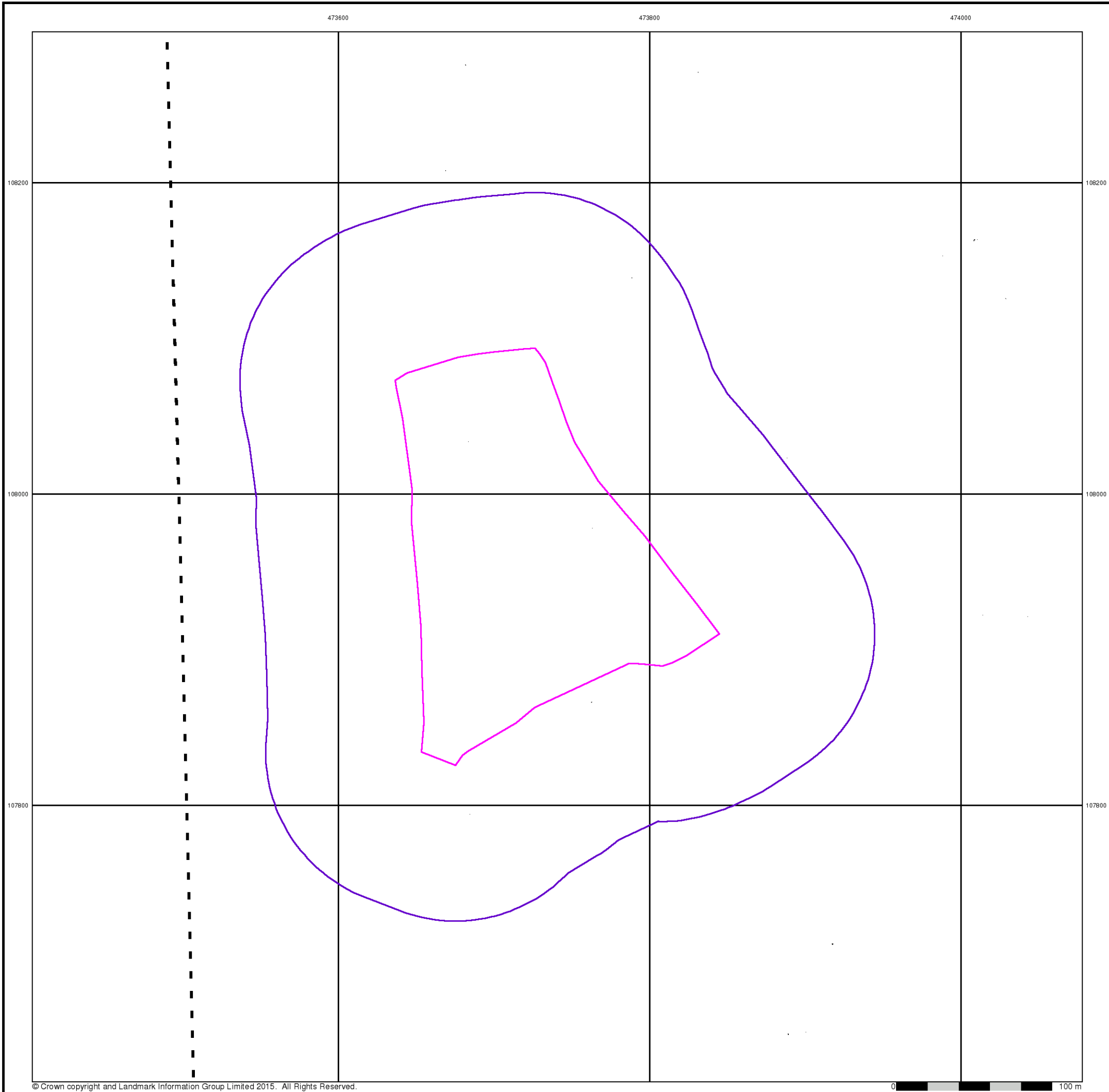
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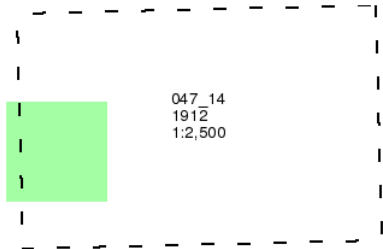
**Geo-Environmental
Sussex**

Published 1912

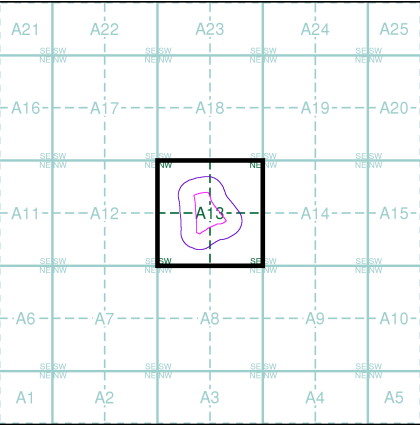
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

Site Details

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Geo-Environmental Hampshire & Isle Of Wight

Published 1932

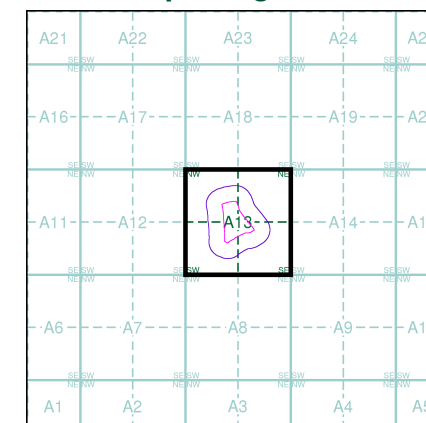
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

076_04
1932
1:2,500
076_08
1932
1:2,500

Historical Map - Segment A13



Order Details

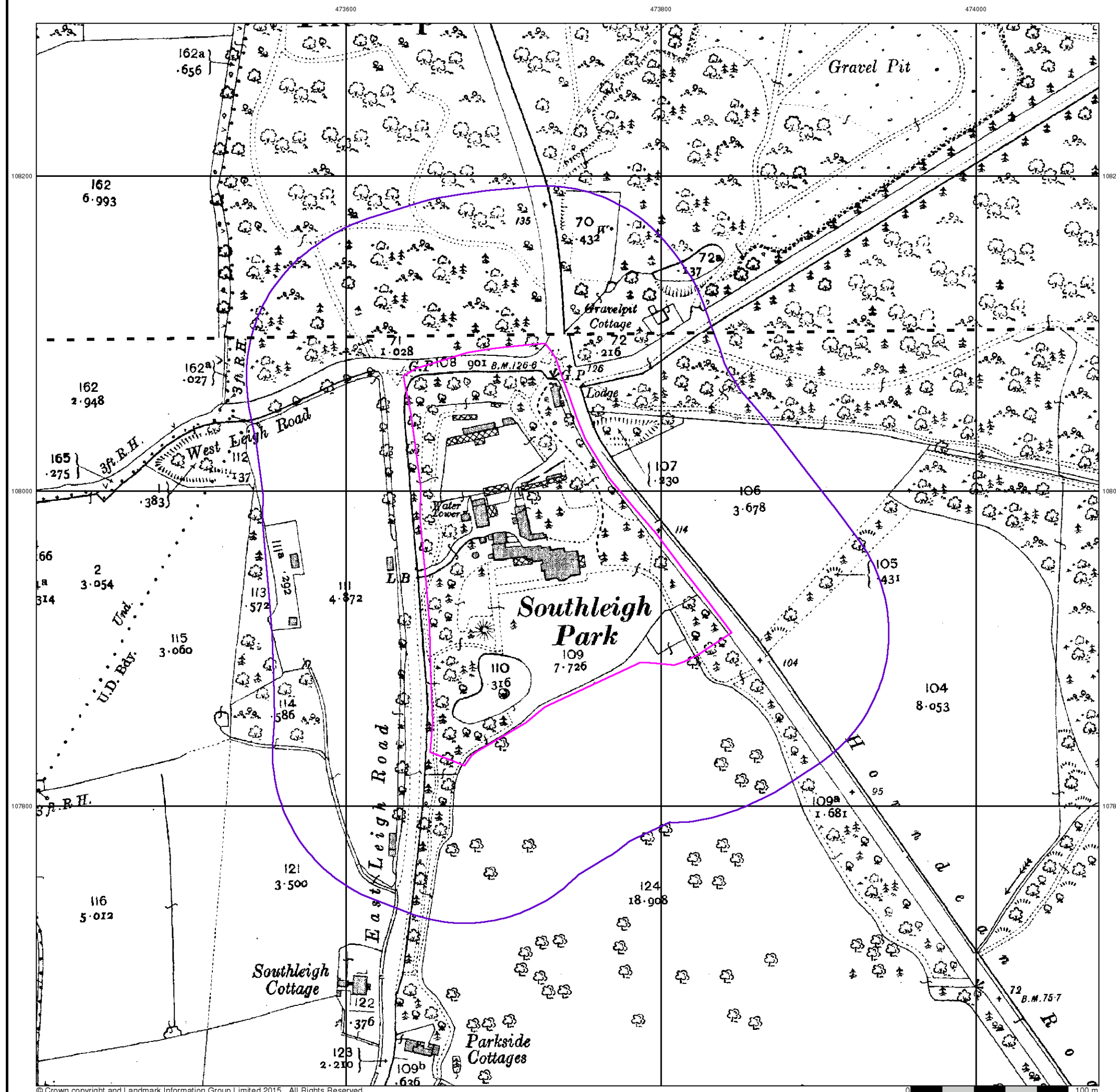
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

Site Details

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Geo-Environmental Ordnance Survey Plan

Published 1952 - 1972

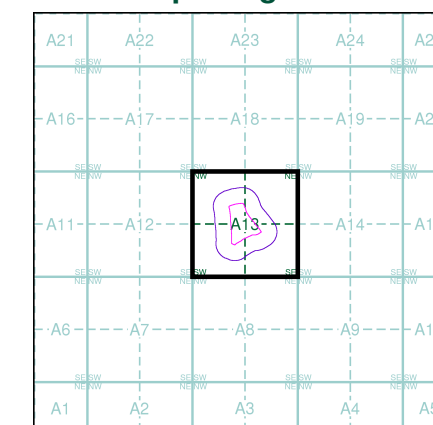
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SU7308 1970 12,500	SU7408 1969 12,500
SU7307 1972 12,500	SU7407 1952 12,500

Historical Map - Segment A13



Order Details

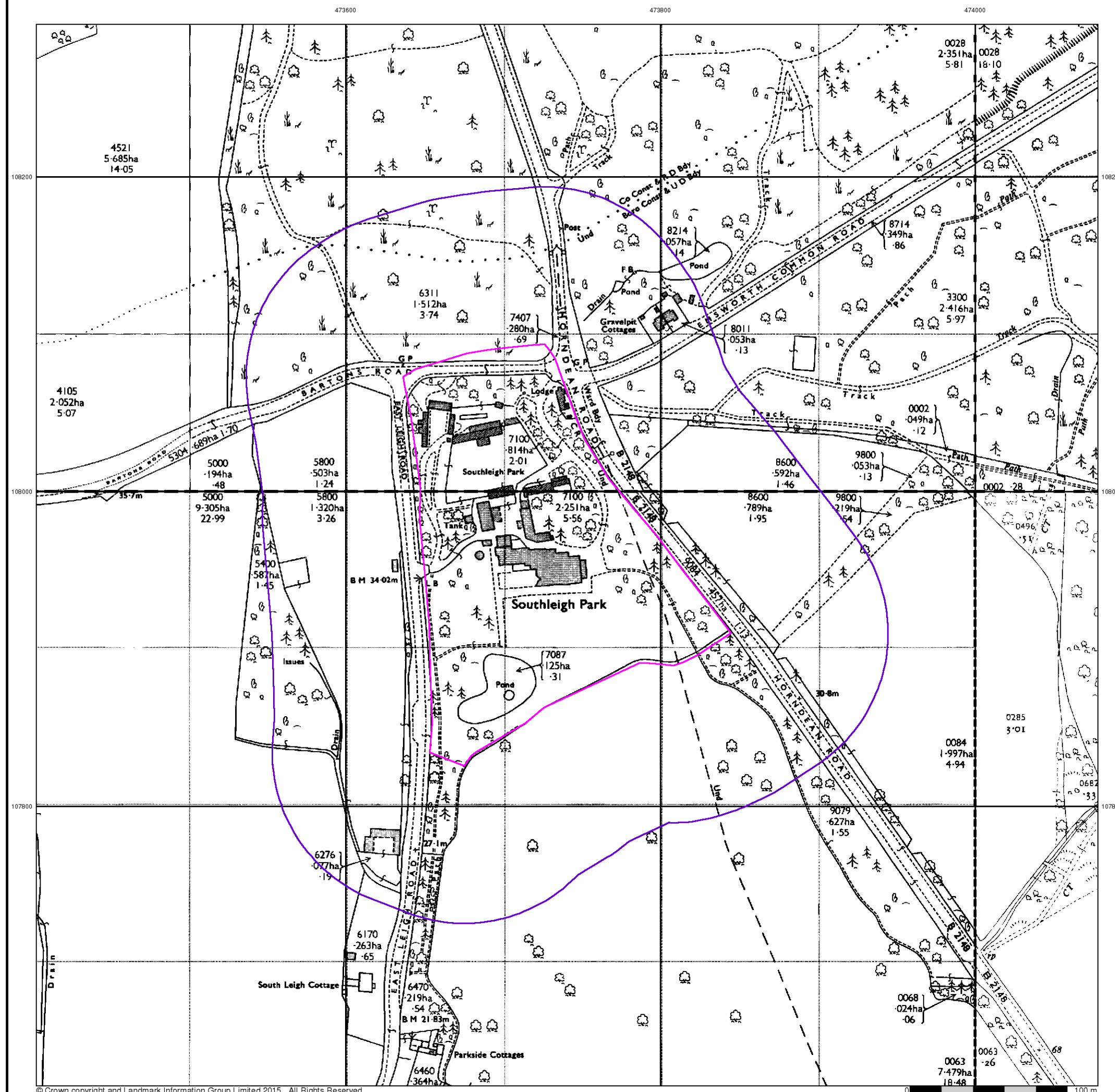
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

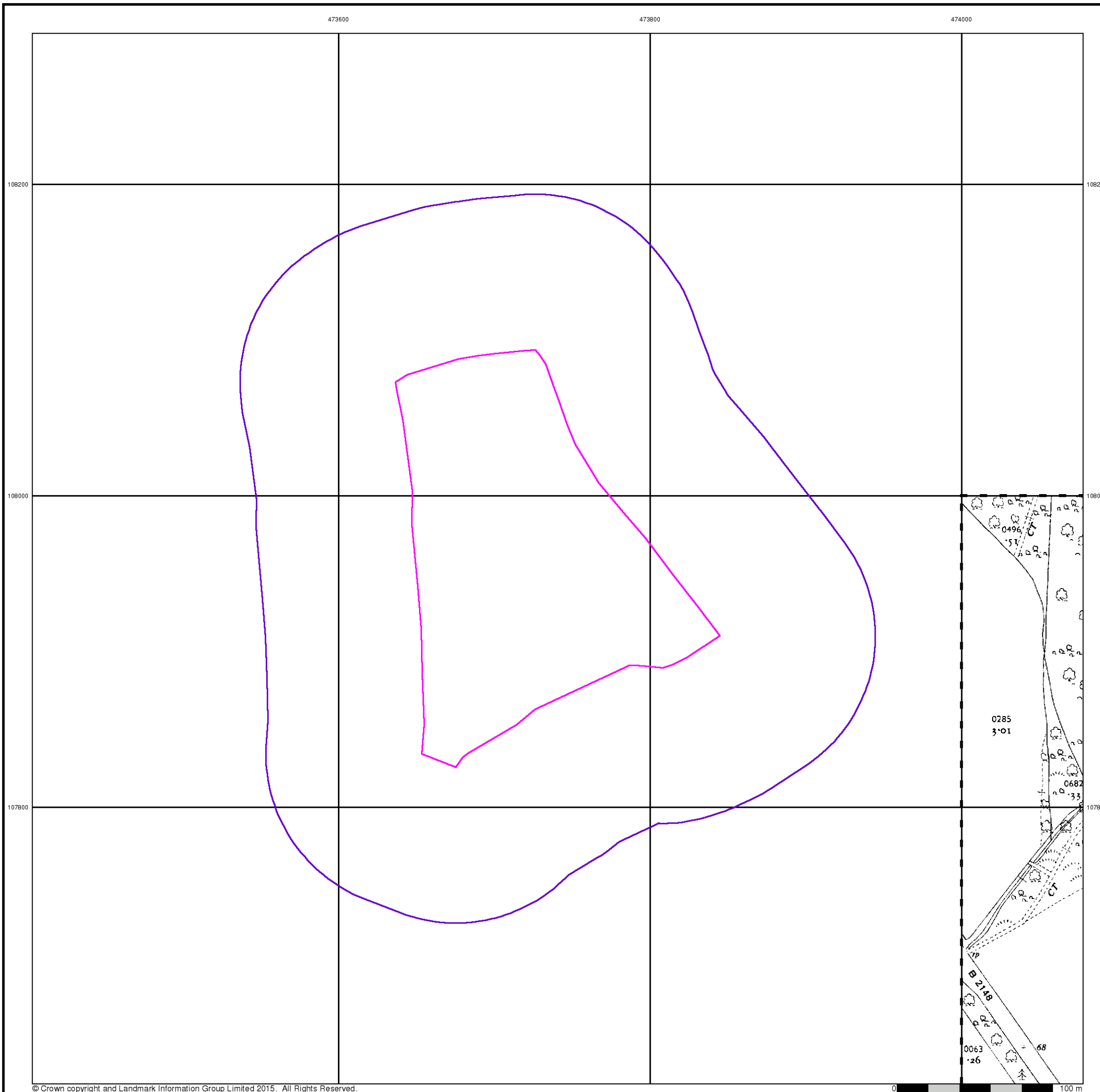
Site Details

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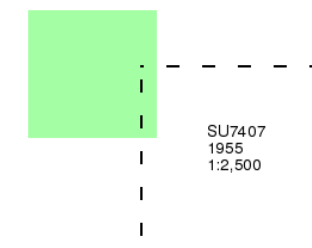
Geo-Environmental Ordnance Survey Plan

Published 1955

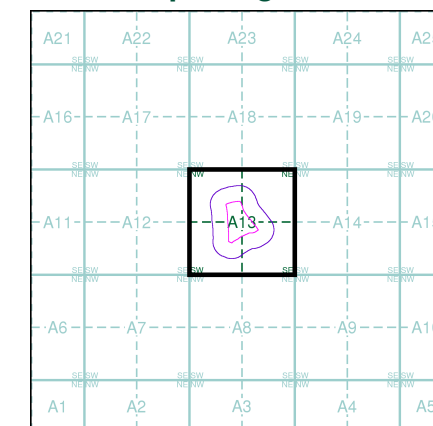
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

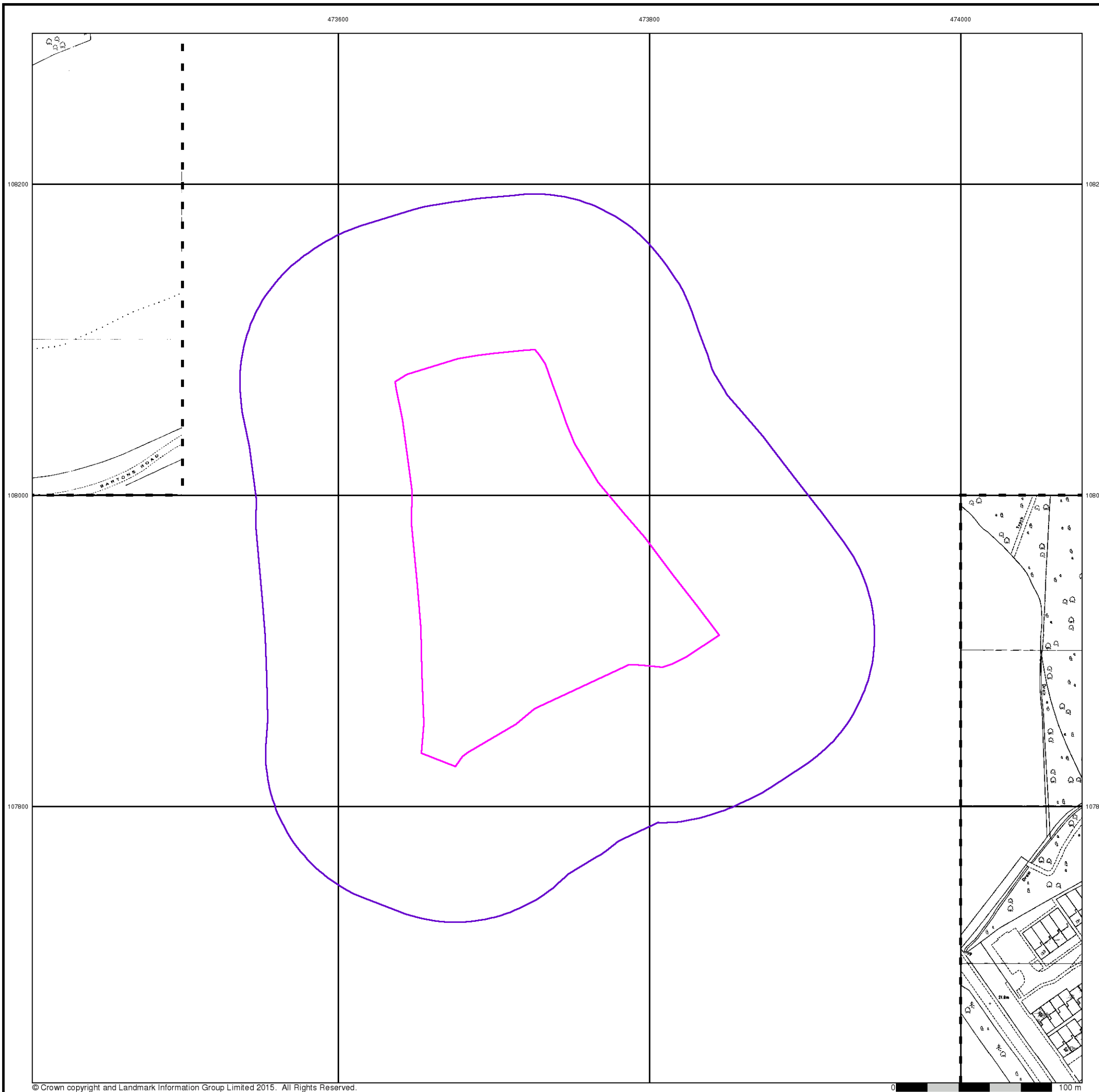
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
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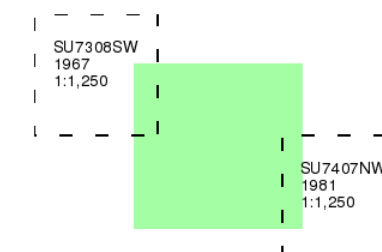
Geo-Environmental Ordnance Survey Plan

Published 1967 - 1981

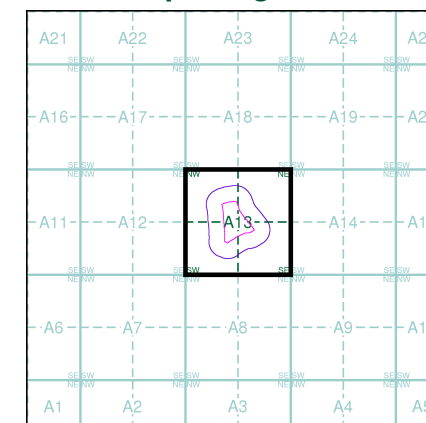
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire,
PO9 2PE



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

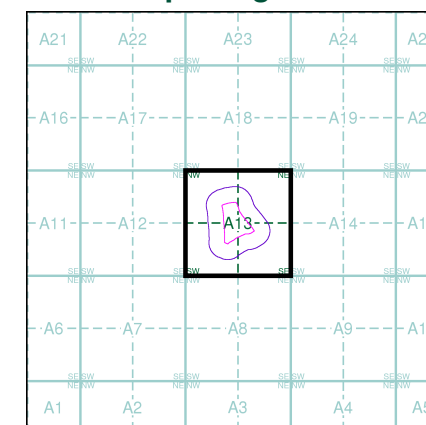


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SU7308	SU7408
1984	1969
12,500	12,500
SU7307	
1990	
12,500	

Historical Map - Segment A13



Order Details

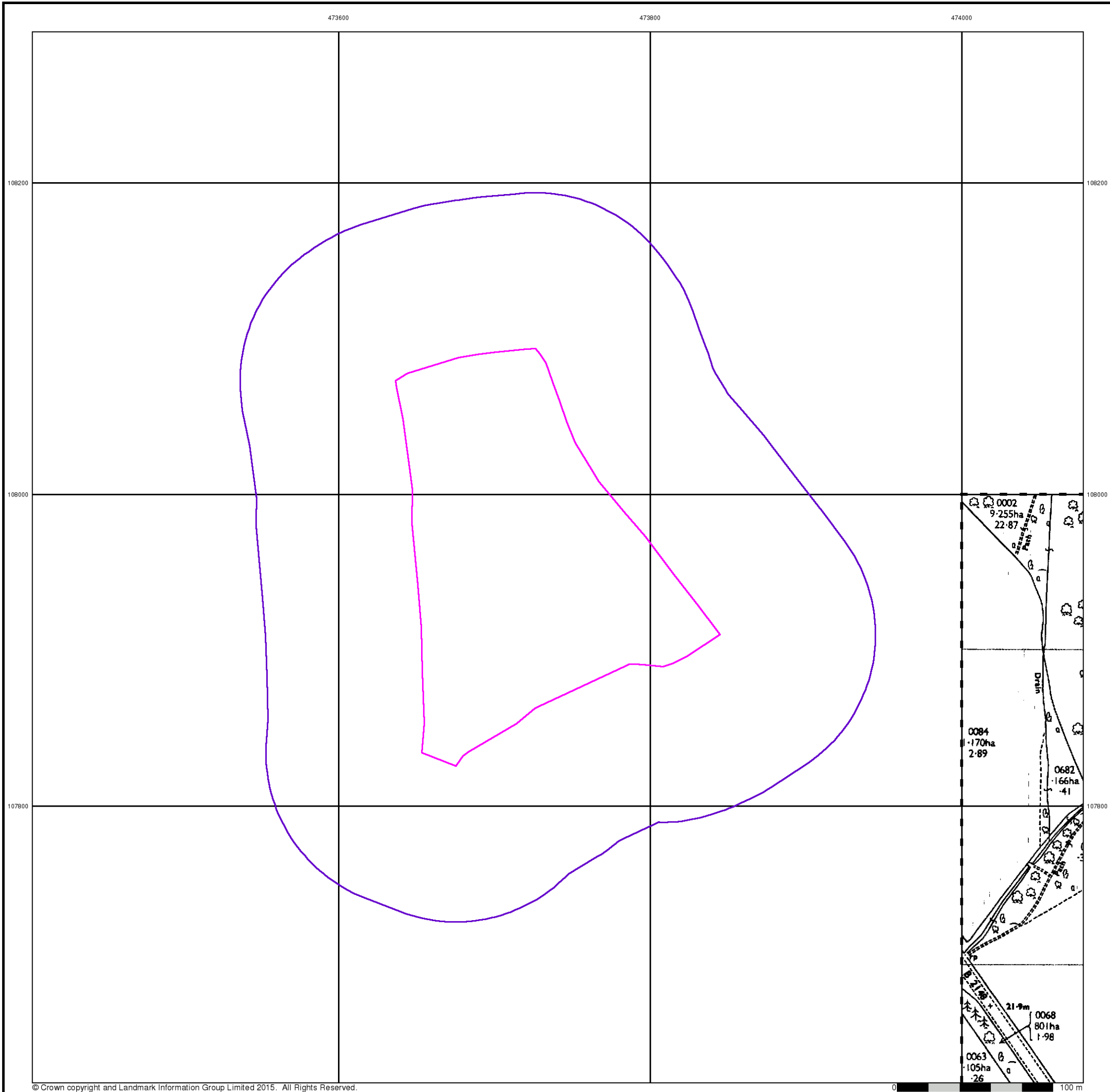
Order Number:	85480247_1_1
Customer Ref:	GE15562
National Grid Reference:	473720, 107960
Slice:	A
Site Area (Ha):	3.17
Search Buffer (m):	100

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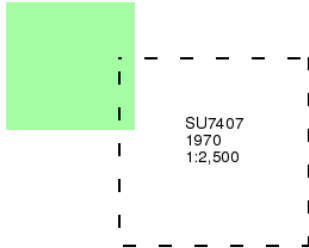
**Geo-Environmental
Ordnance Survey Plan**

Published 1970

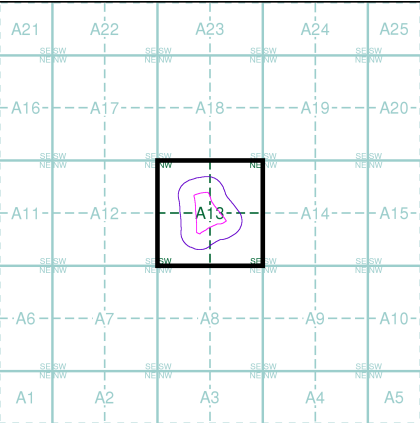
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

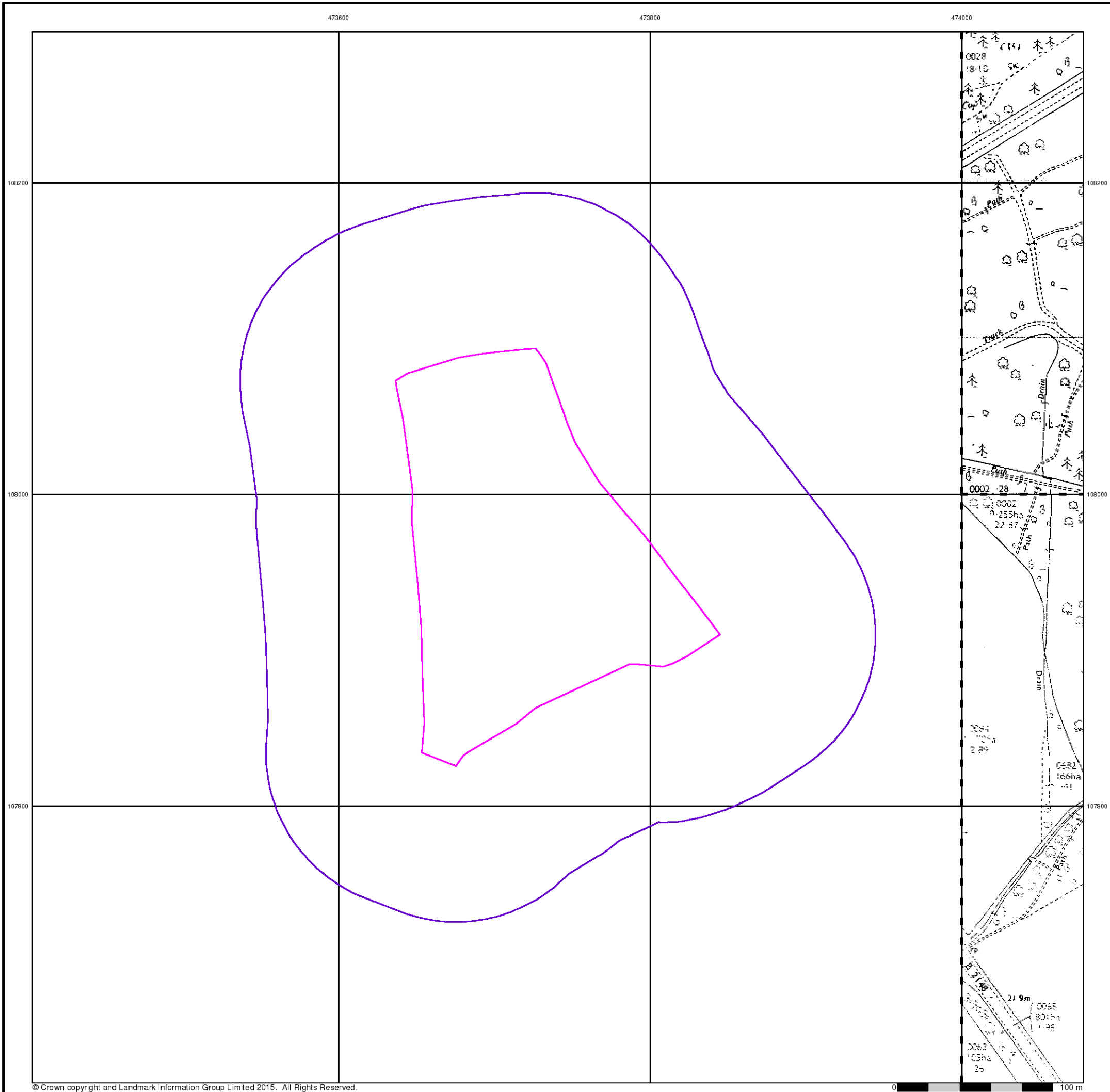
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



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**Geo-Environmental
Supply of Unpublished Survey
Information**

Published 1973

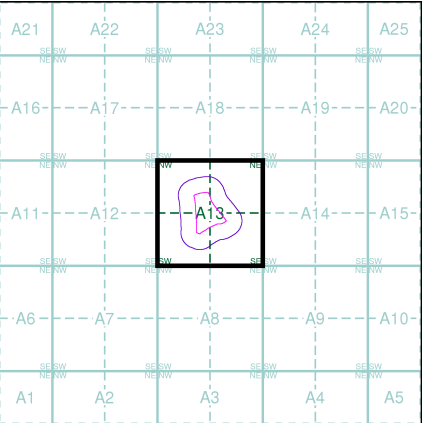
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

	SU7408
	1973
	1:2,500
	SU7407
	1973
	1:2,500

Historical Map - Segment A13



Order Details

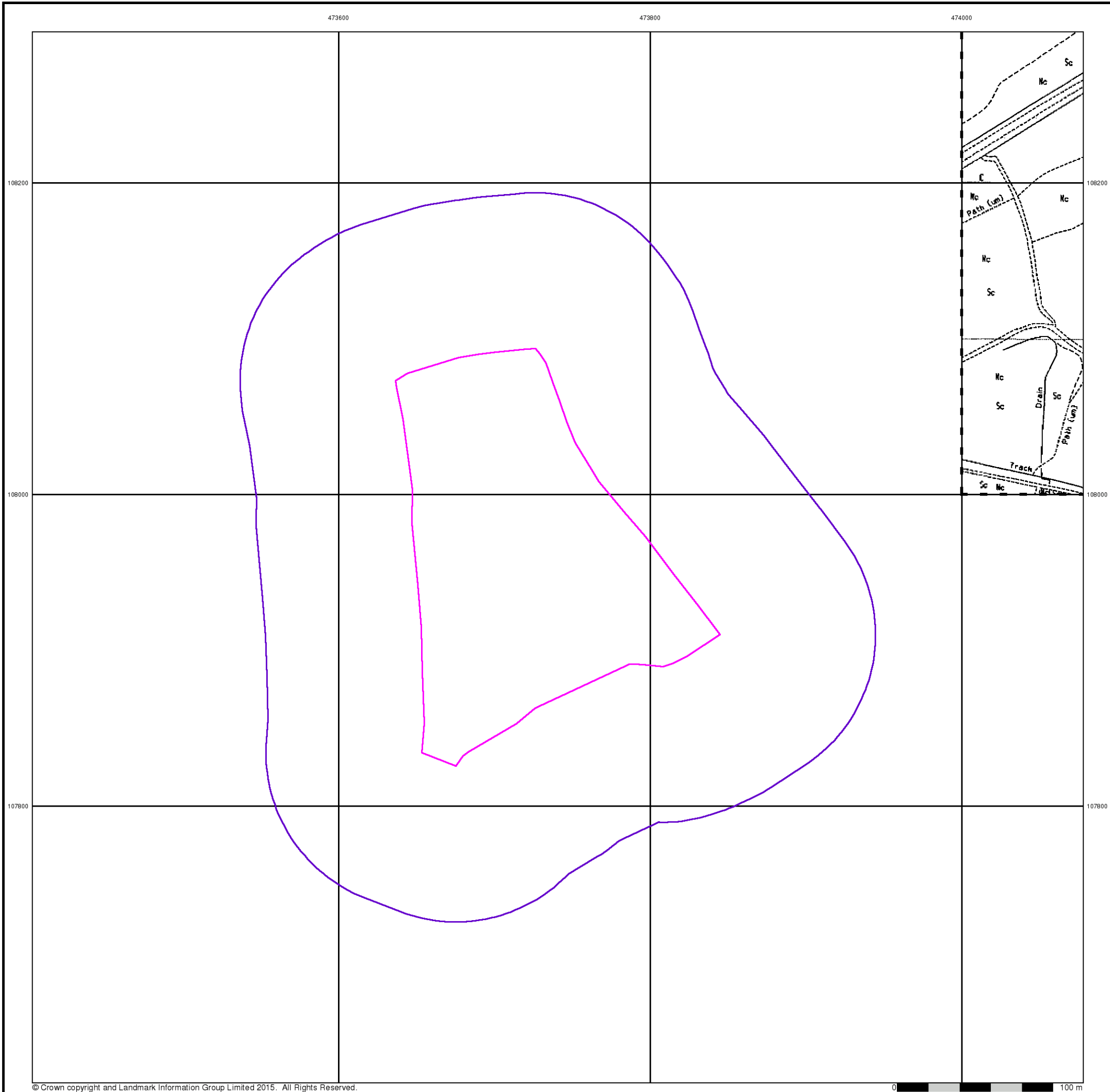
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 100

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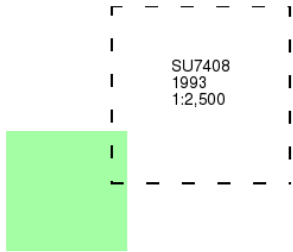
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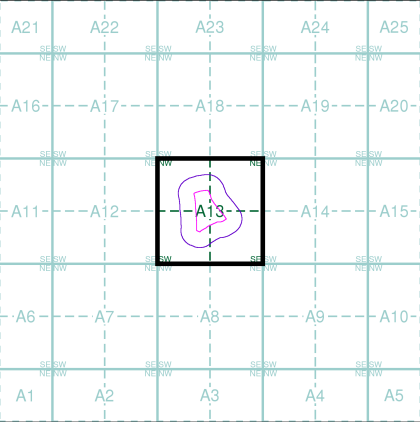
Geo-Environmental
Large-Scale National Grid Data
Published 1993
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

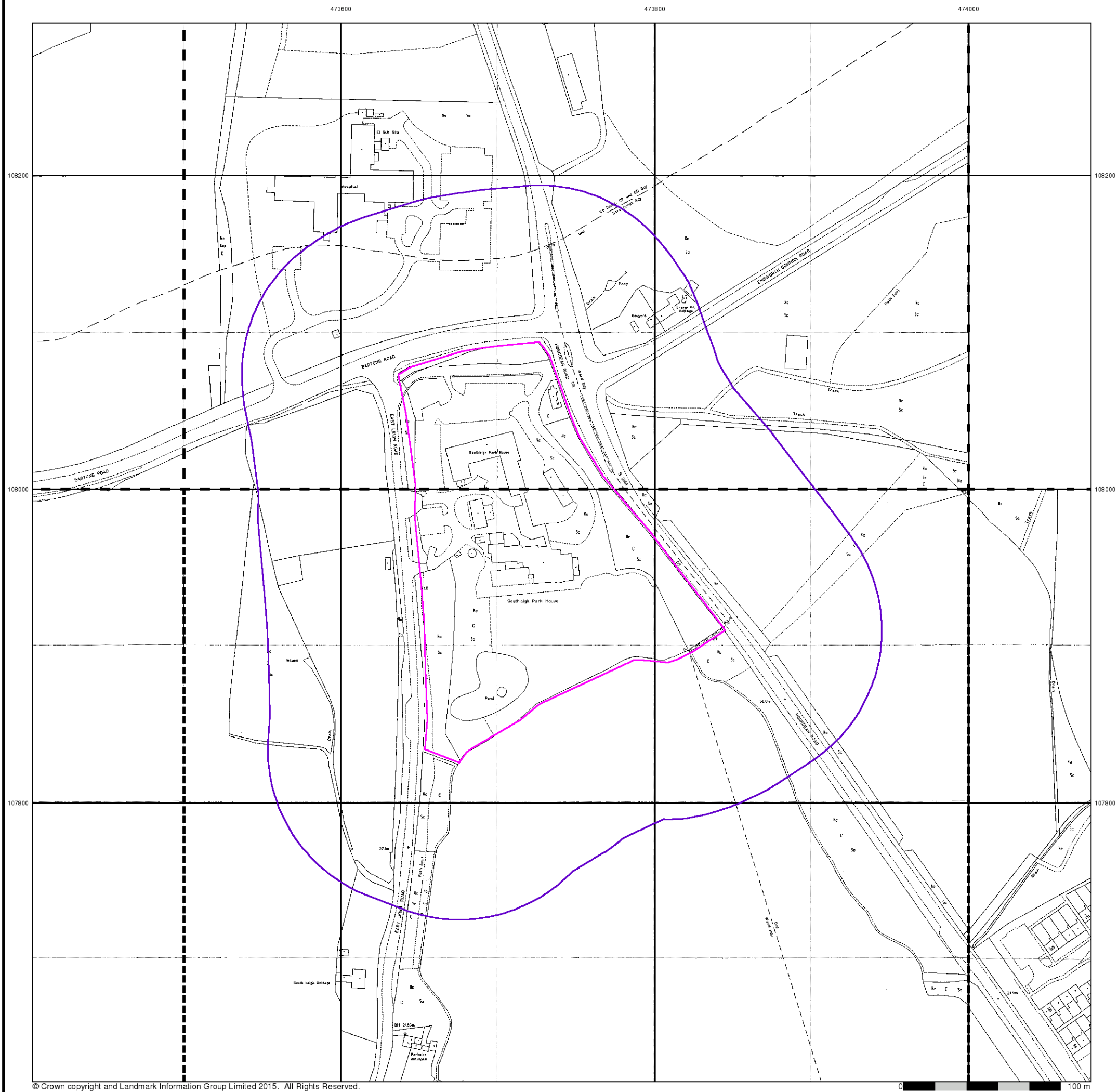
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
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**Geo-Environmental
Large-Scale National Grid Data**

Published 1993

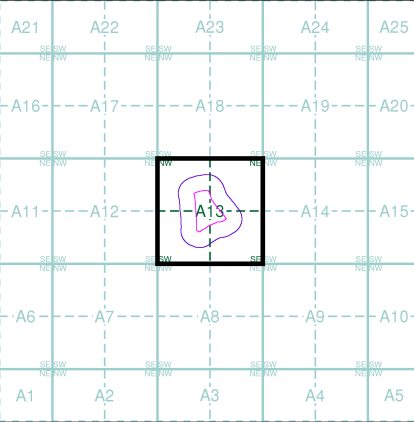
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SU7308SW	SU7308SE	
1993	1993	
1:1,250	1:1,250	
SU7307NW	SU7307NE	SU7407NW
1993	1993	1993
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

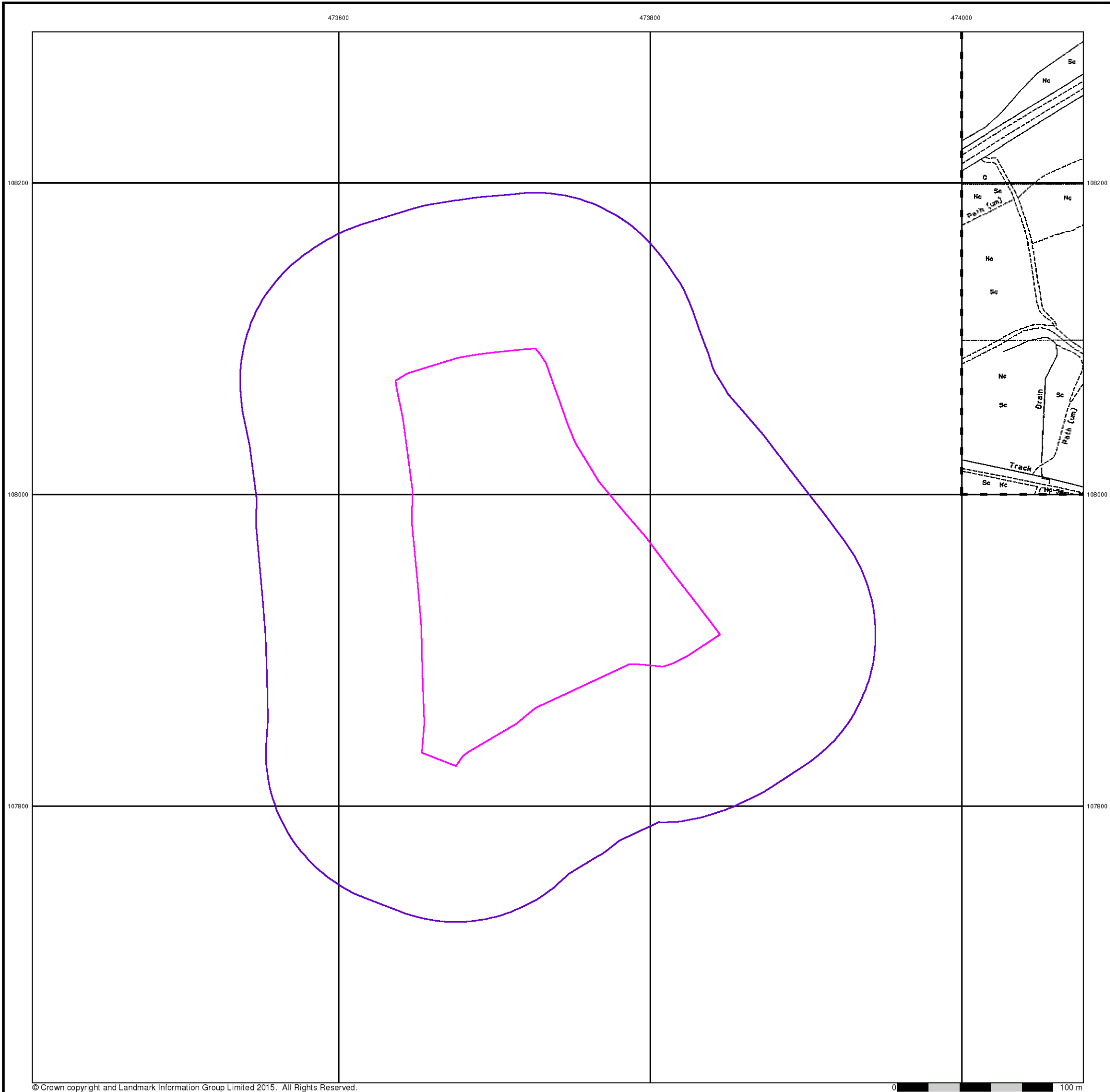
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
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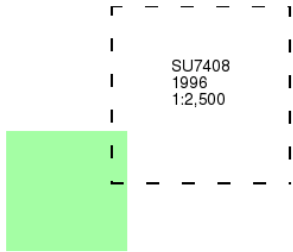
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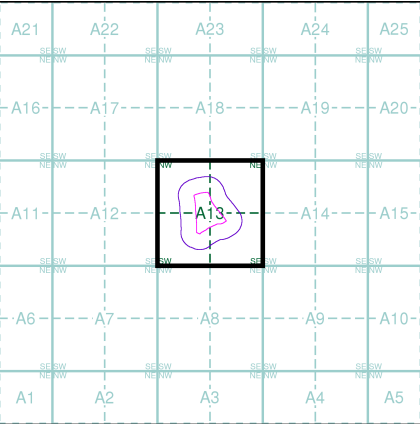
Geo-Environmental
Large-Scale National Grid Data
Published 1996
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
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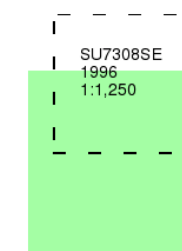
Geo-Environmental Large-Scale National Grid Data

Published 1996

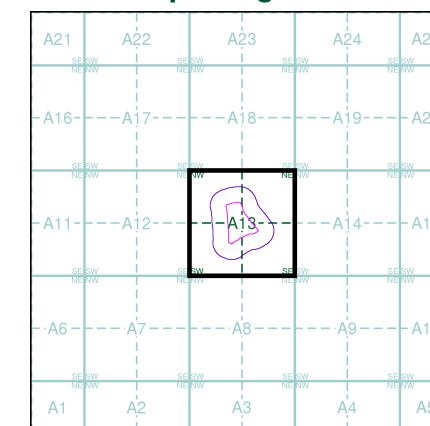
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

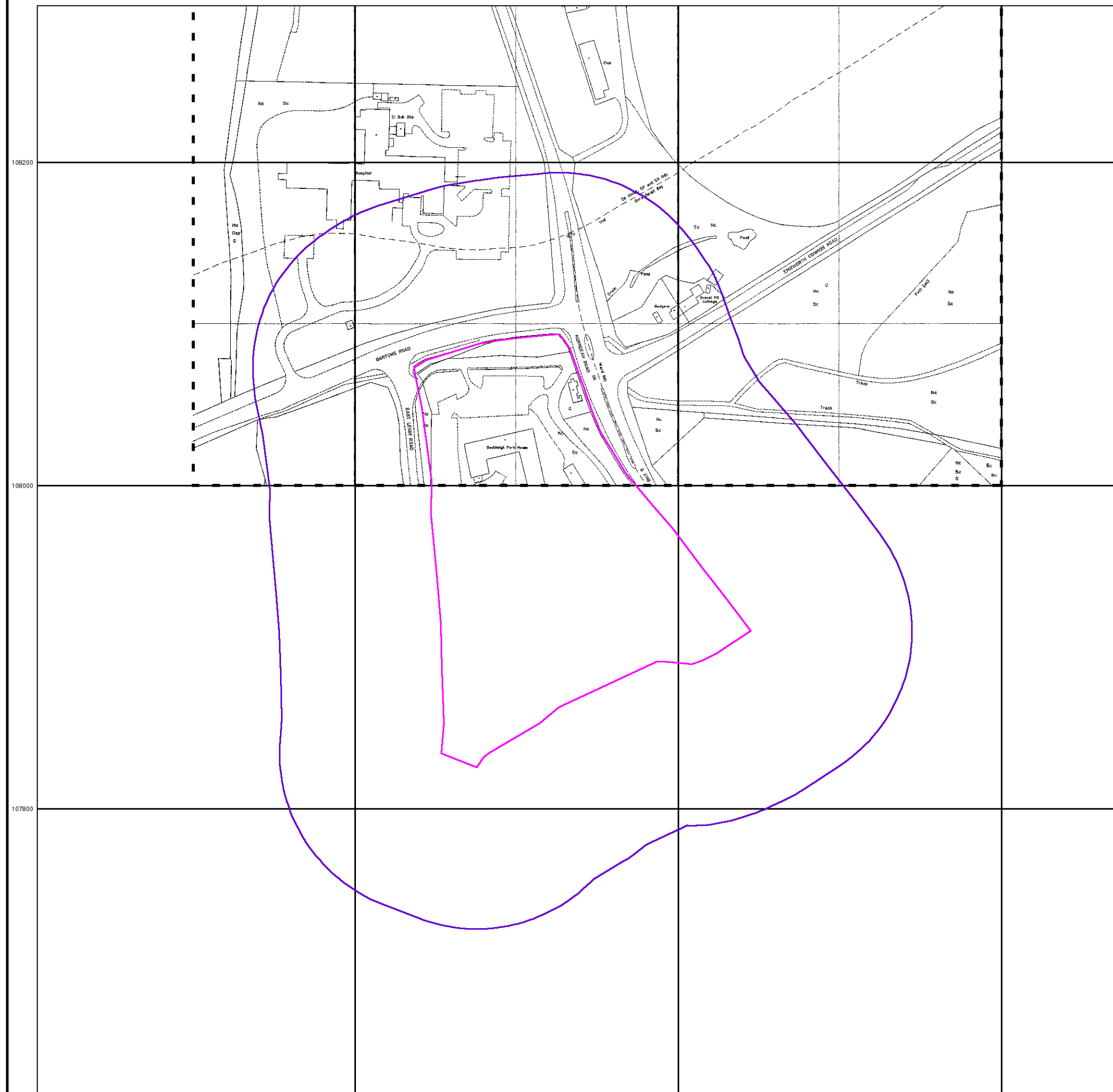
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

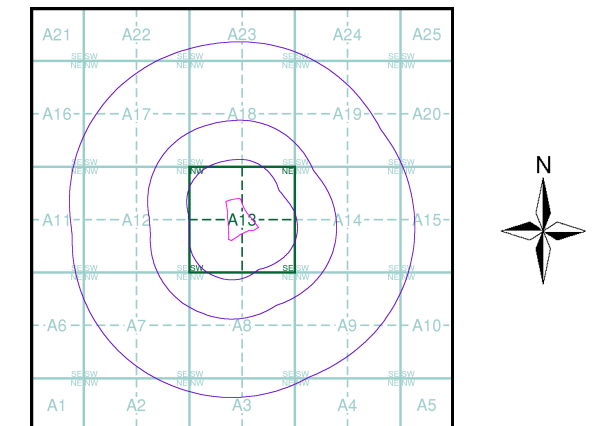
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Geo-Environmental Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Sussex	1:10,560	1879 - 1880	4
Hampshire & Isle Of Wight	1:10,560	1898	5
Sussex	1:10,560	1899	6
Hampshire & Isle Of Wight	1:10,560	1910	7
Sussex	1:10,560	1914	8
Sussex	1:10,560	1914	9
Sussex	1:10,560	1914	10
Sussex	1:10,560	1932	11
Sussex	1:10,560	1932	12
Sussex	1:10,560	1932	13
Hampshire & Isle Of Wight	1:10,560	1933	14
Hampshire & Isle Of Wight	1:10,560	1933	15
Hampshire & Isle Of Wight	1:10,560	1938	16
Ordnance Survey Plan	1:10,000	1962 - 1963	17
Ordnance Survey Plan	1:10,000	1966	18
Ordnance Survey Plan	1:10,000	1973 - 1975	19
Havant	1:25,000	1983	20
Portsmouth	1:10,000	1988	21
Ordnance Survey Plan	1:10,000	1991 - 1992	22
Historical Aerial Photography	1:10,000	1999	23
10K Raster Mapping	1:10,000	2000	24
10K Raster Mapping	1:10,000	2006	25
VectorMap Local	1:10,000	2016	26

Historical Map - Slice A



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

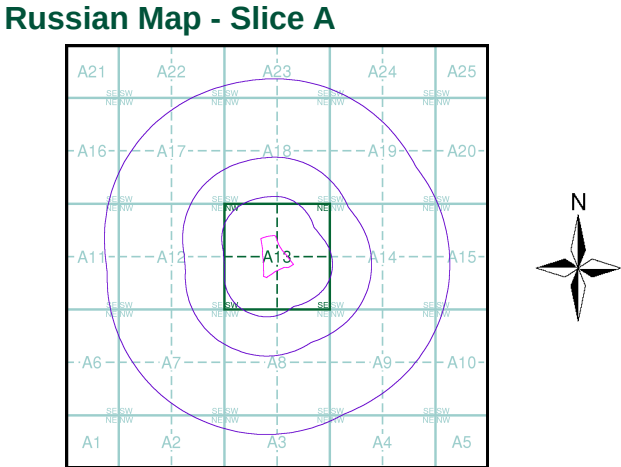
Key to Numbers on Mapping

SU70_Havant

No.	Description
3	Factories (Radio Electronics, Metal Works, Electrical Appliances, Chemicals And Machinery)

Geo-Environmental
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Sussex	1:10,560	1879 - 1880	4
Hampshire & Isle Of Wight	1:10,560	1898	5
Sussex	1:10,560	1899	6
Hampshire & Isle Of Wight	1:10,560	1910	7
Sussex	1:10,560	1914	8
Sussex	1:10,560	1914	9
Sussex	1:10,560	1914	10
Sussex	1:10,560	1932	11
Sussex	1:10,560	1932	12
Sussex	1:10,560	1932	13
Hampshire & Isle Of Wight	1:10,560	1933	14
Hampshire & Isle Of Wight	1:10,560	1933	15
Hampshire & Isle Of Wight	1:10,560	1938	16
Ordnance Survey Plan	1:10,000	1962 - 1963	17
Ordnance Survey Plan	1:10,000	1966	18
Ordnance Survey Plan	1:10,000	1973 - 1975	19
Havant	1:25,000	1983	20
Portsmouth	1:10,000	1988	21
Ordnance Survey Plan	1:10,000	1991 - 1992	22
Historical Aerial Photography	1:10,000	1999	23
10K Raster Mapping	1:10,000	2000	24
10K Raster Mapping	1:10,000	2006	25
VectorMap Local	1:10,000	2016	26



Order Details

Order Number: 85480247_1_1

Customer Ref: GE15562

National Grid Reference: 473720, 107960

Slice: A

Site Area (Ha): 3.17

Search Buffer (m): 1000

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE

Landmark Information Group

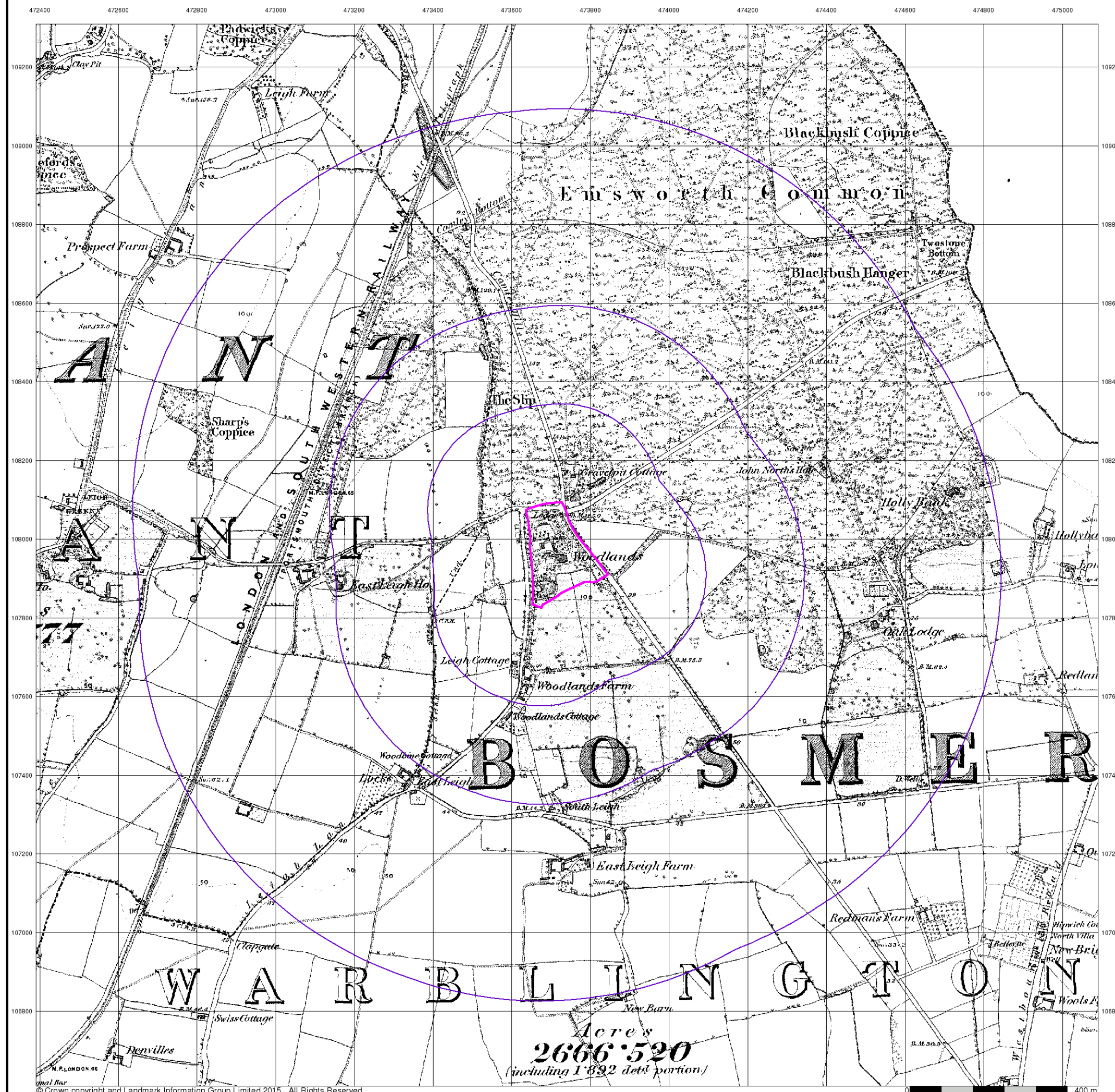
Tel: 0844 844 9952

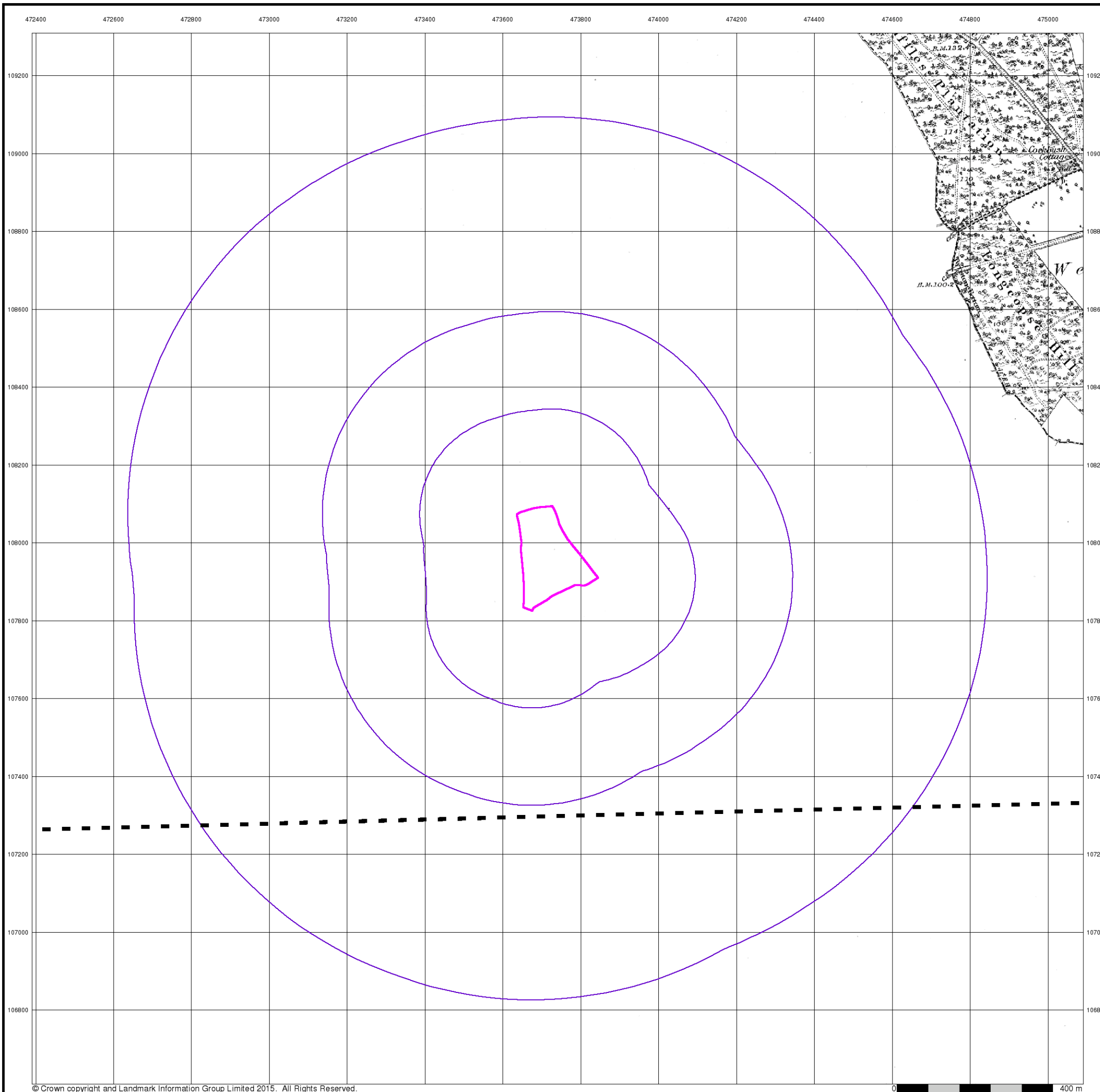
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0 400 m



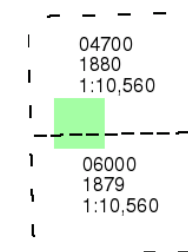
Geo-Environmental Sussex

Published 1879 - 1880

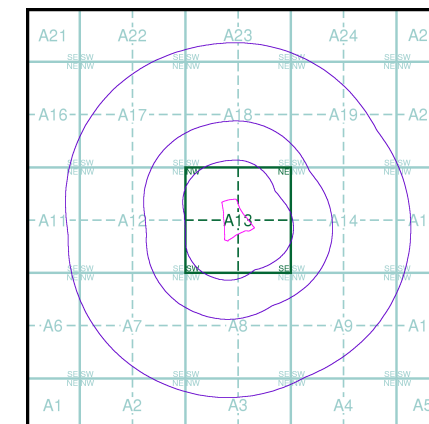
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
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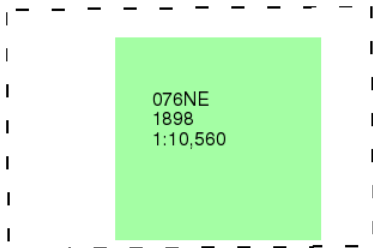
**Geo-Environmental
Hampshire & Isle Of Wight**

Published 1898

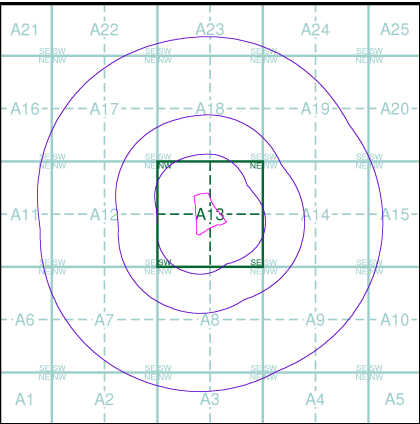
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

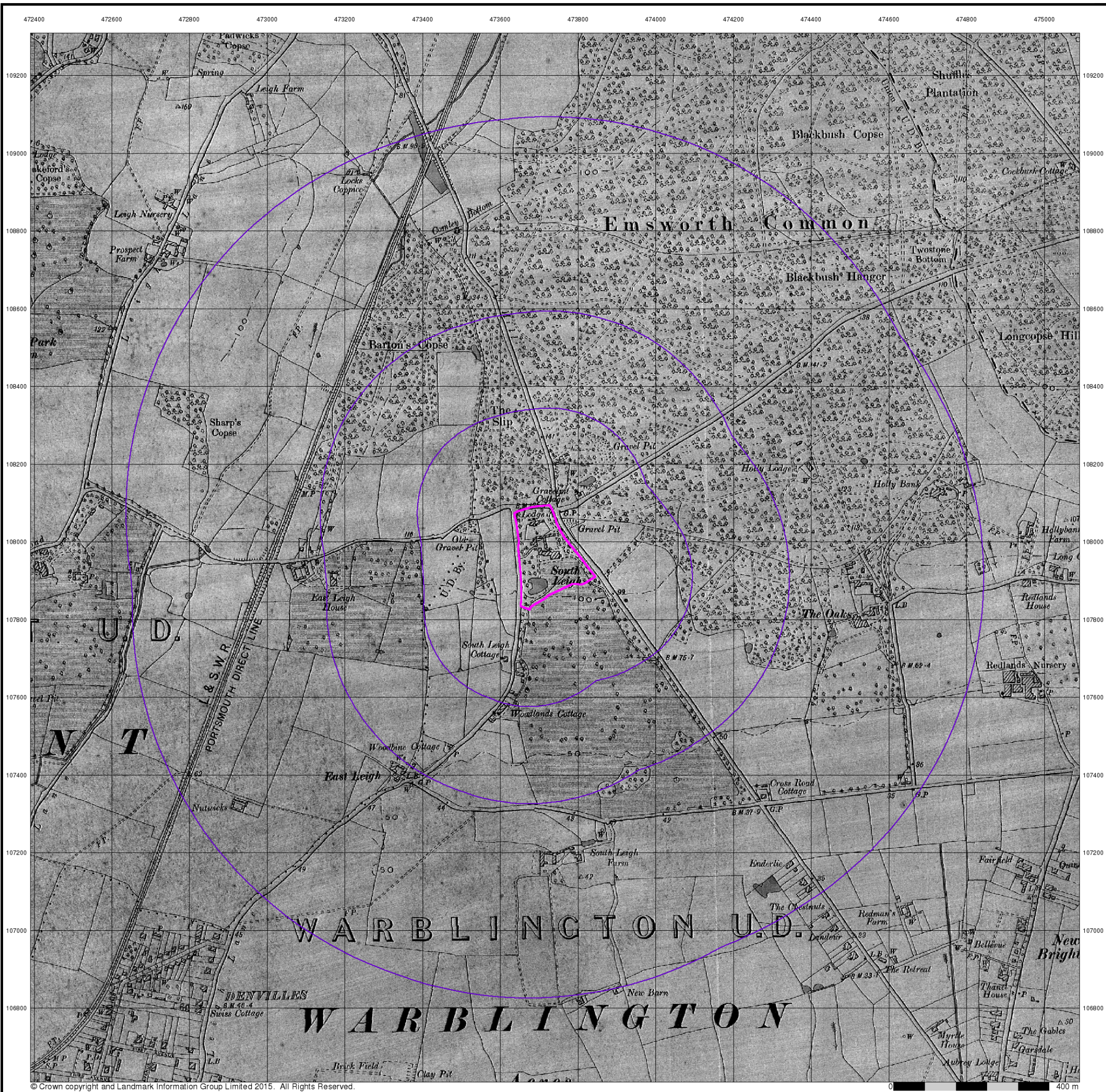
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Slice: A
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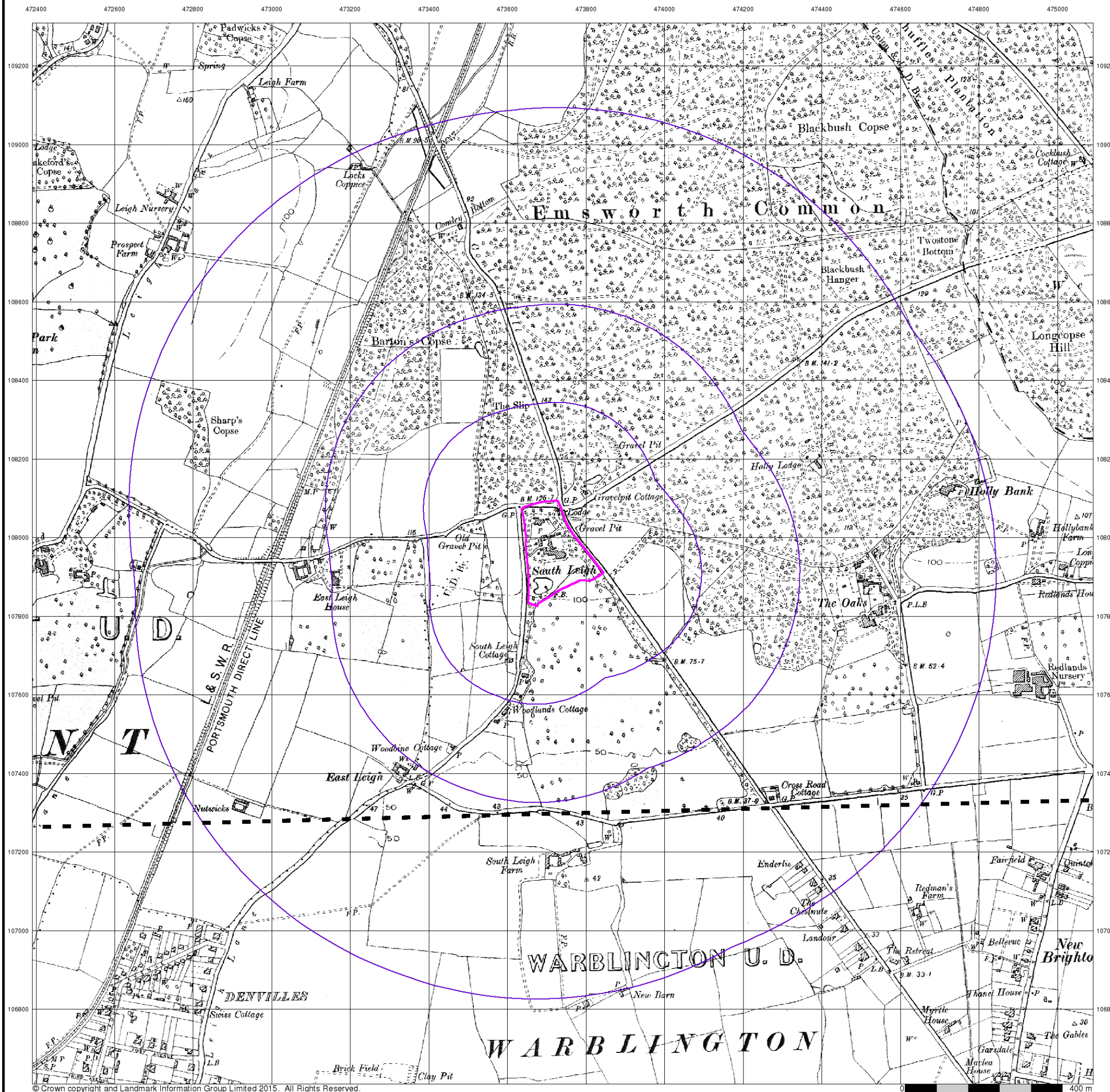
Site Details

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Geo-Environmental Sussex

Published 1899

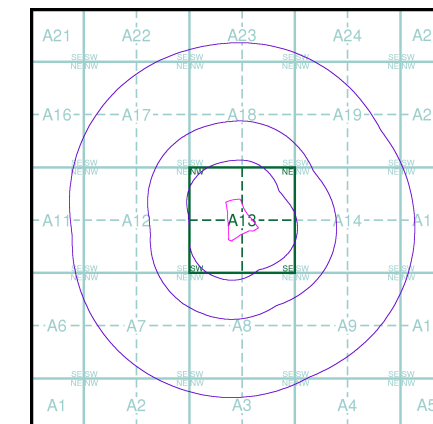
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Map Name(s) and Date(s)

047SW
1899
1:10,560
060NW
1899
1:10,560

Historical Map - Slice A



Order Details

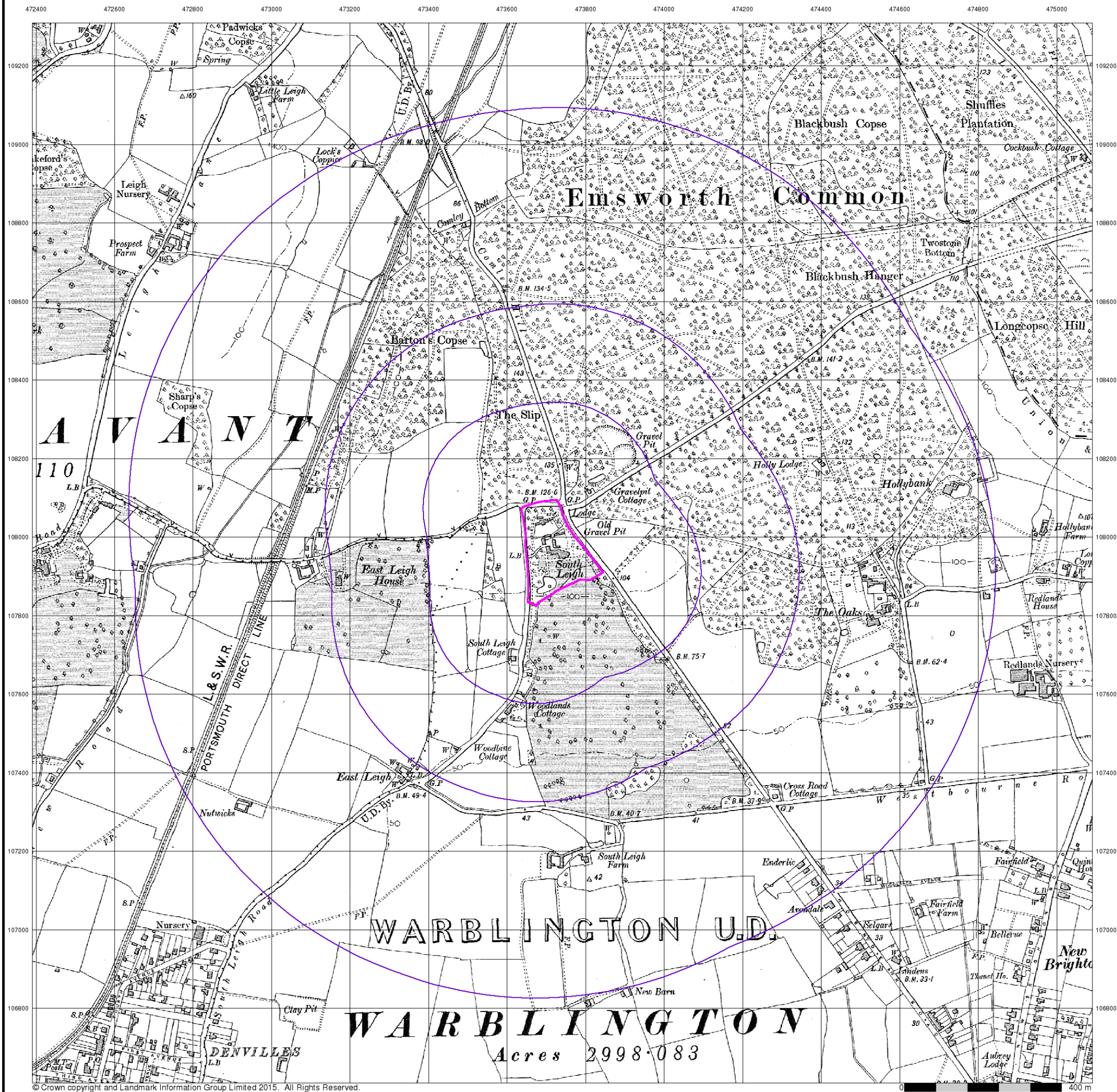
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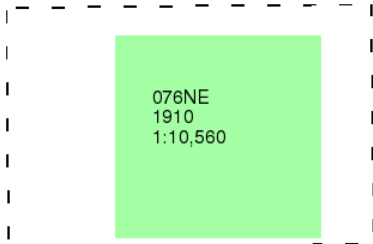
Geo-Environmental Hampshire & Isle Of Wight

Published 1910

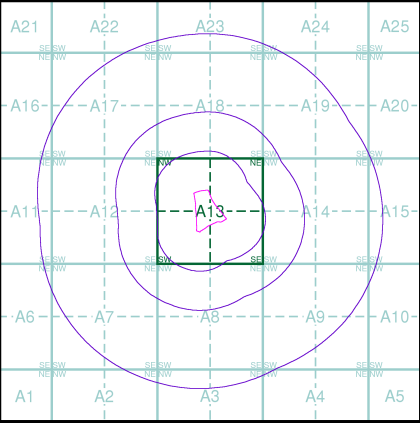
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Map Name(s) and Date(s)

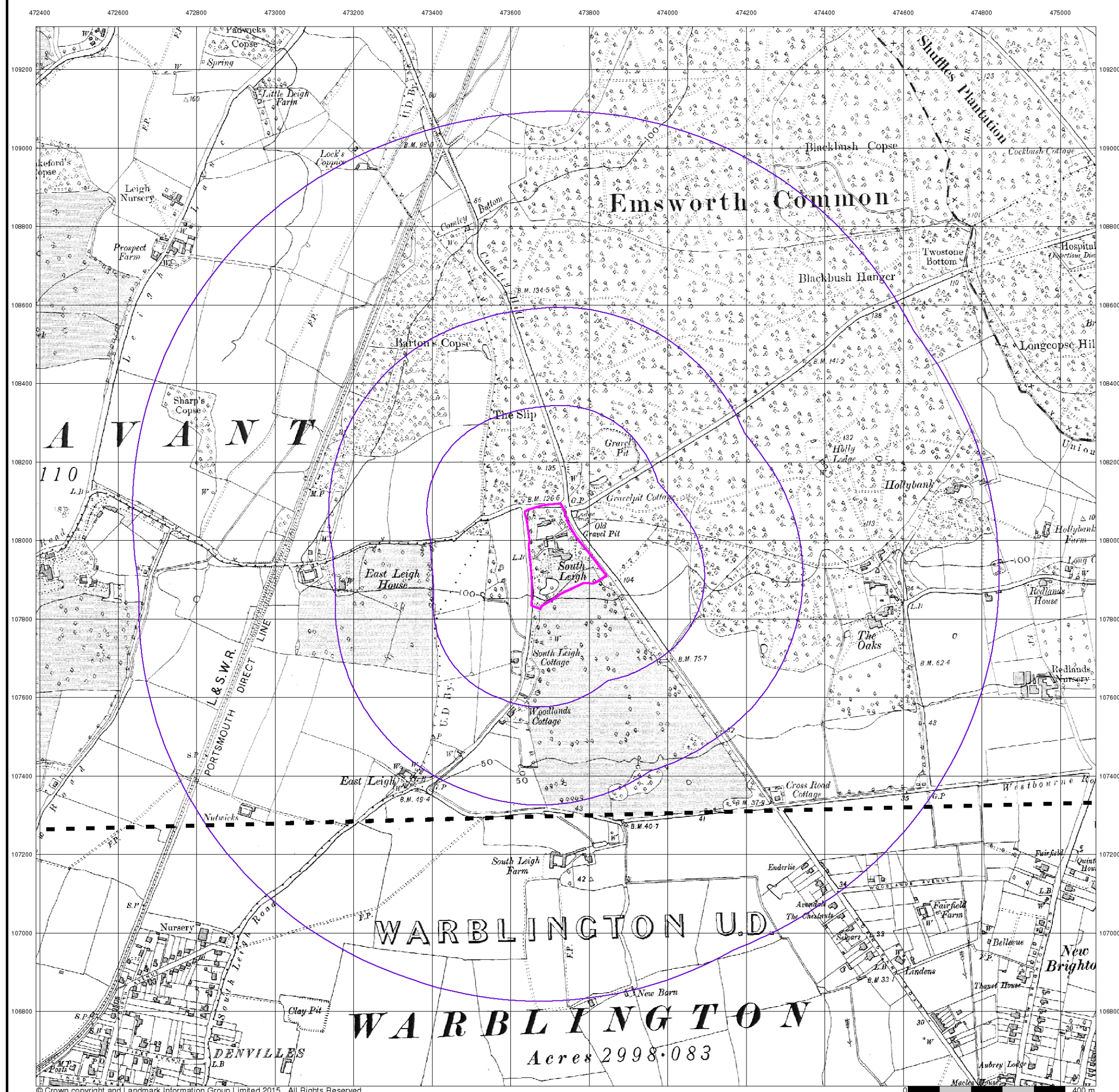


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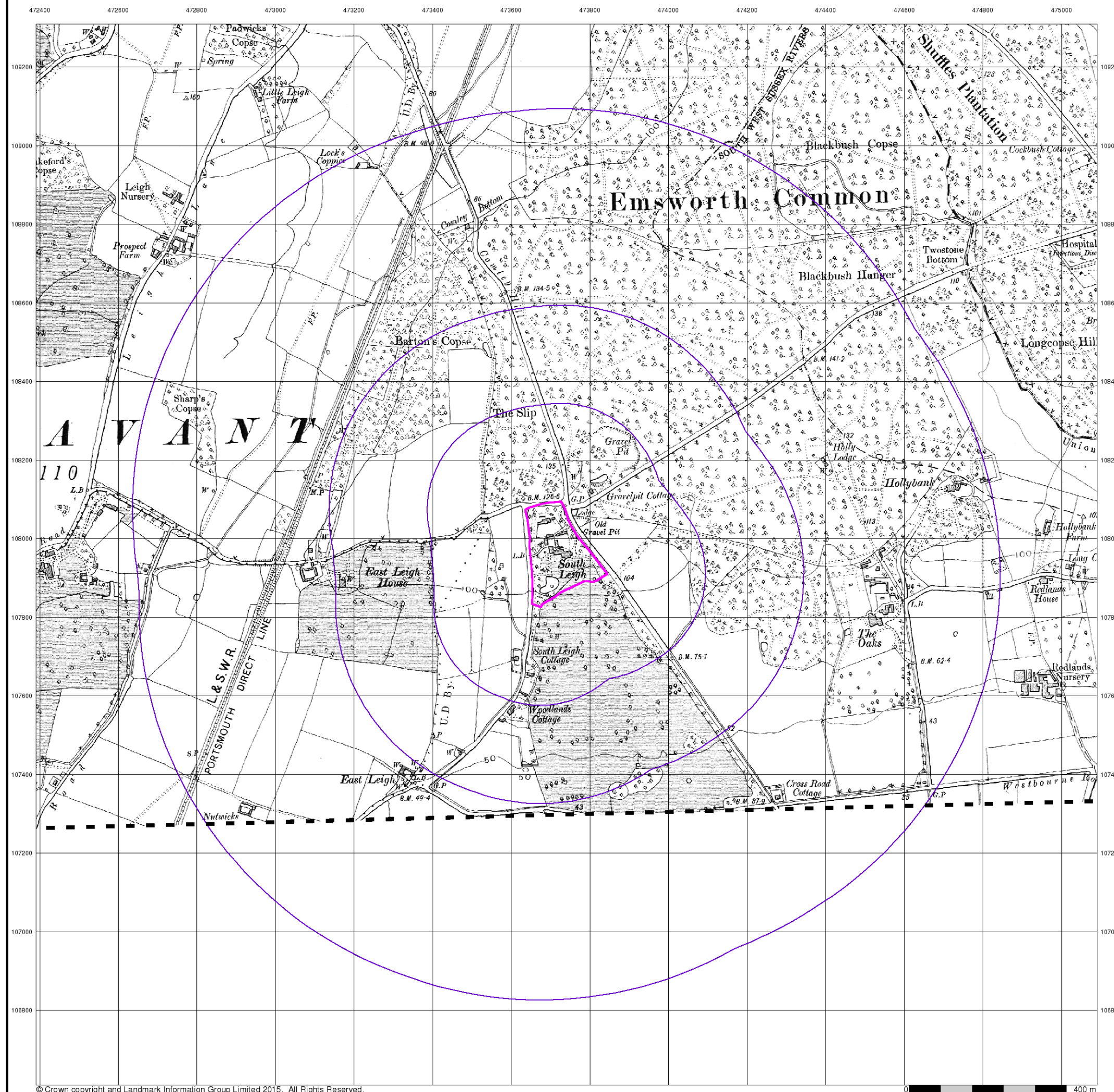
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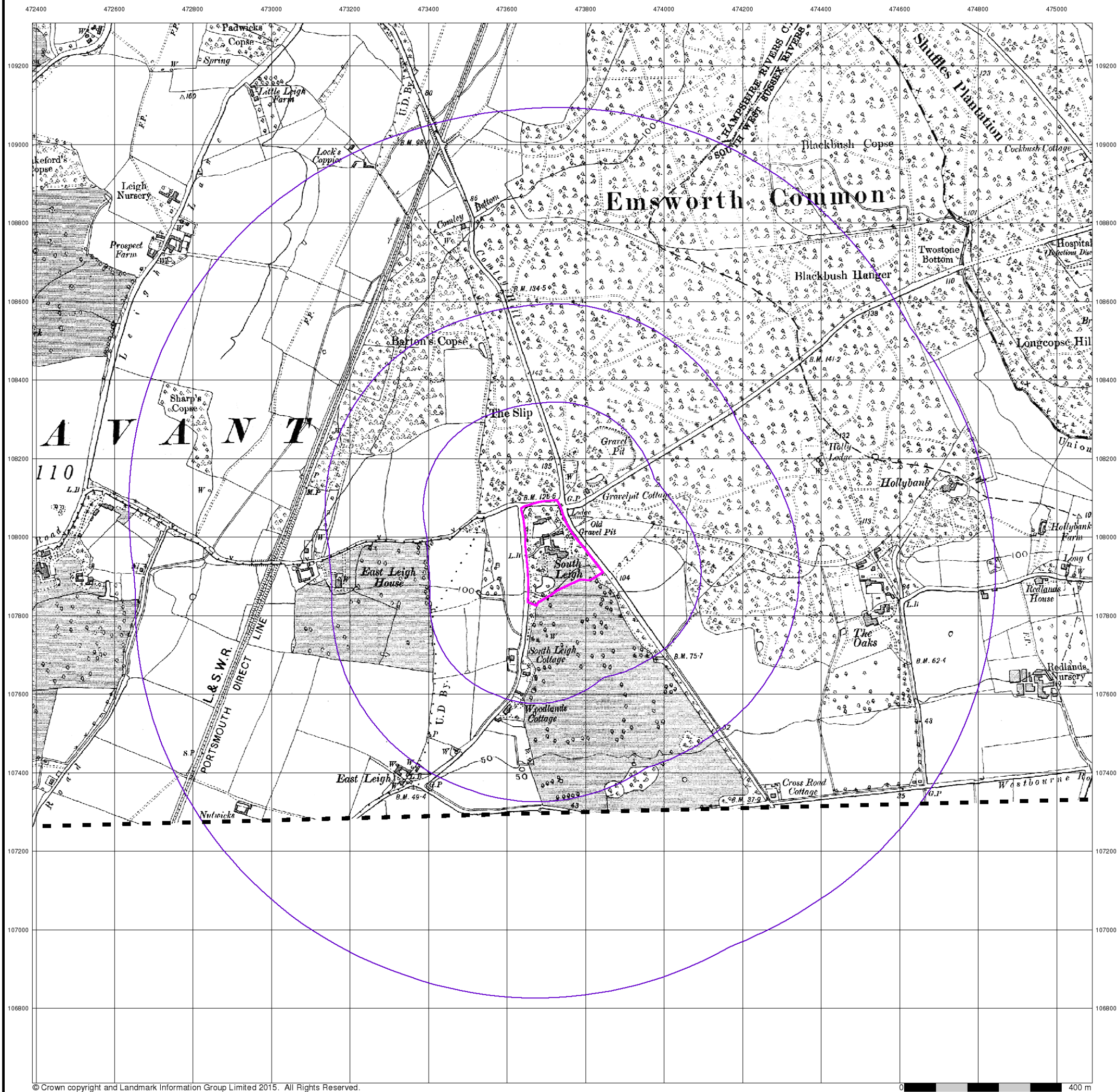
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A Landmark Information Group Service v49.0 27-Apr-2016 Page 9 of 26





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0 400 m



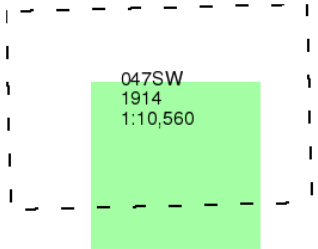
Geo-Environmental Sussex

Published 1914

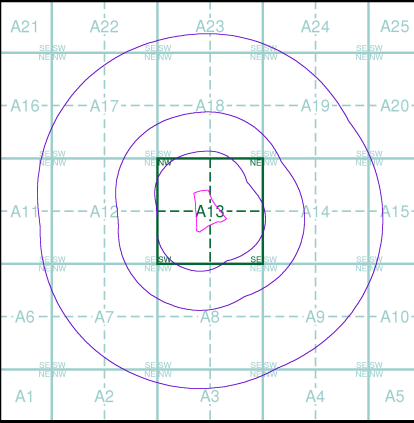
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

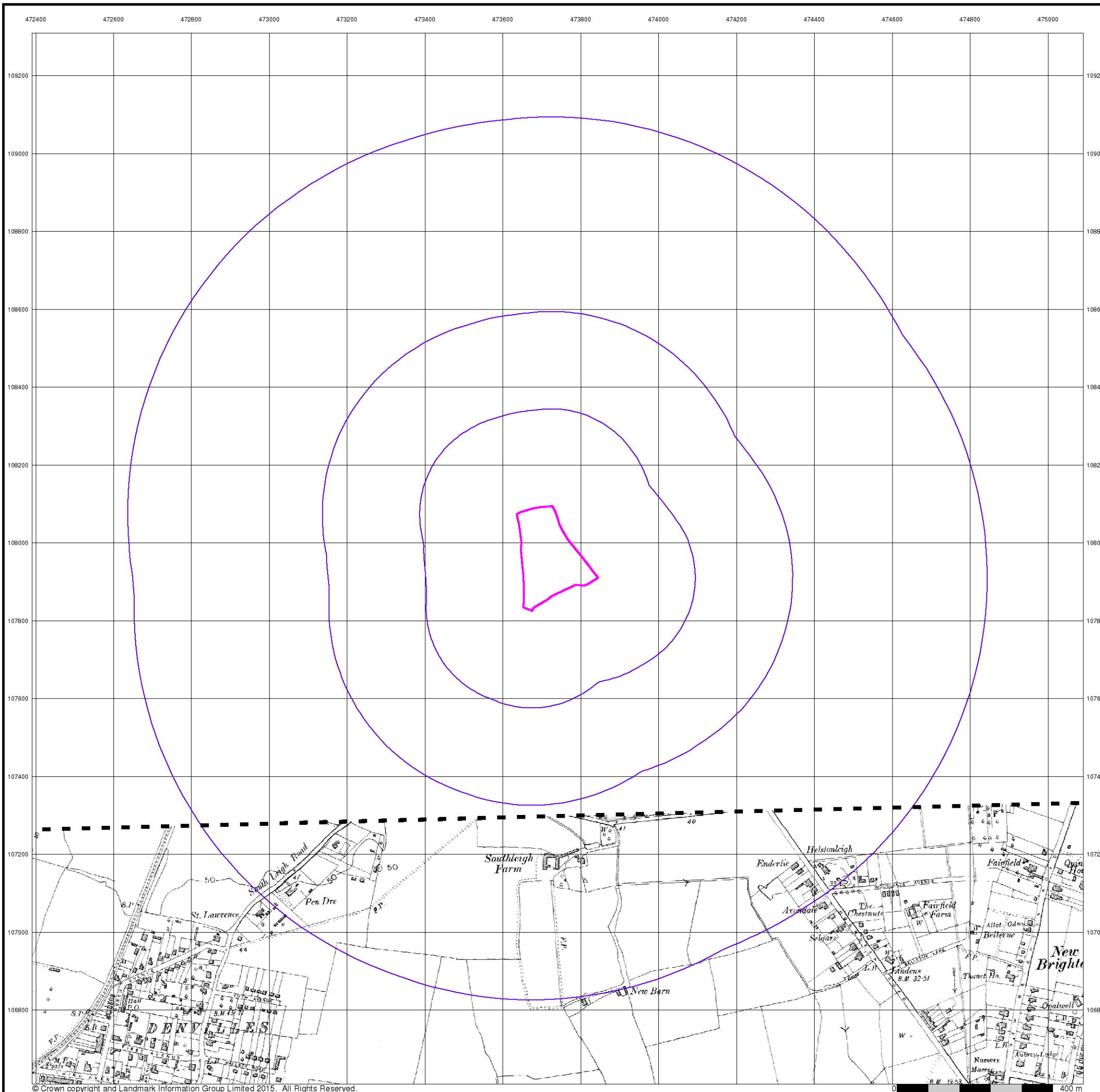
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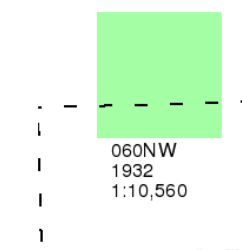
Geo-Environmental Sussex

Published 1932

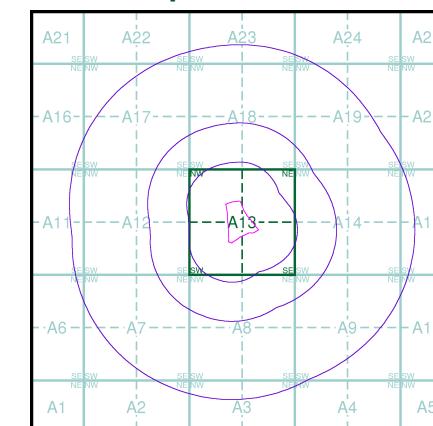
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

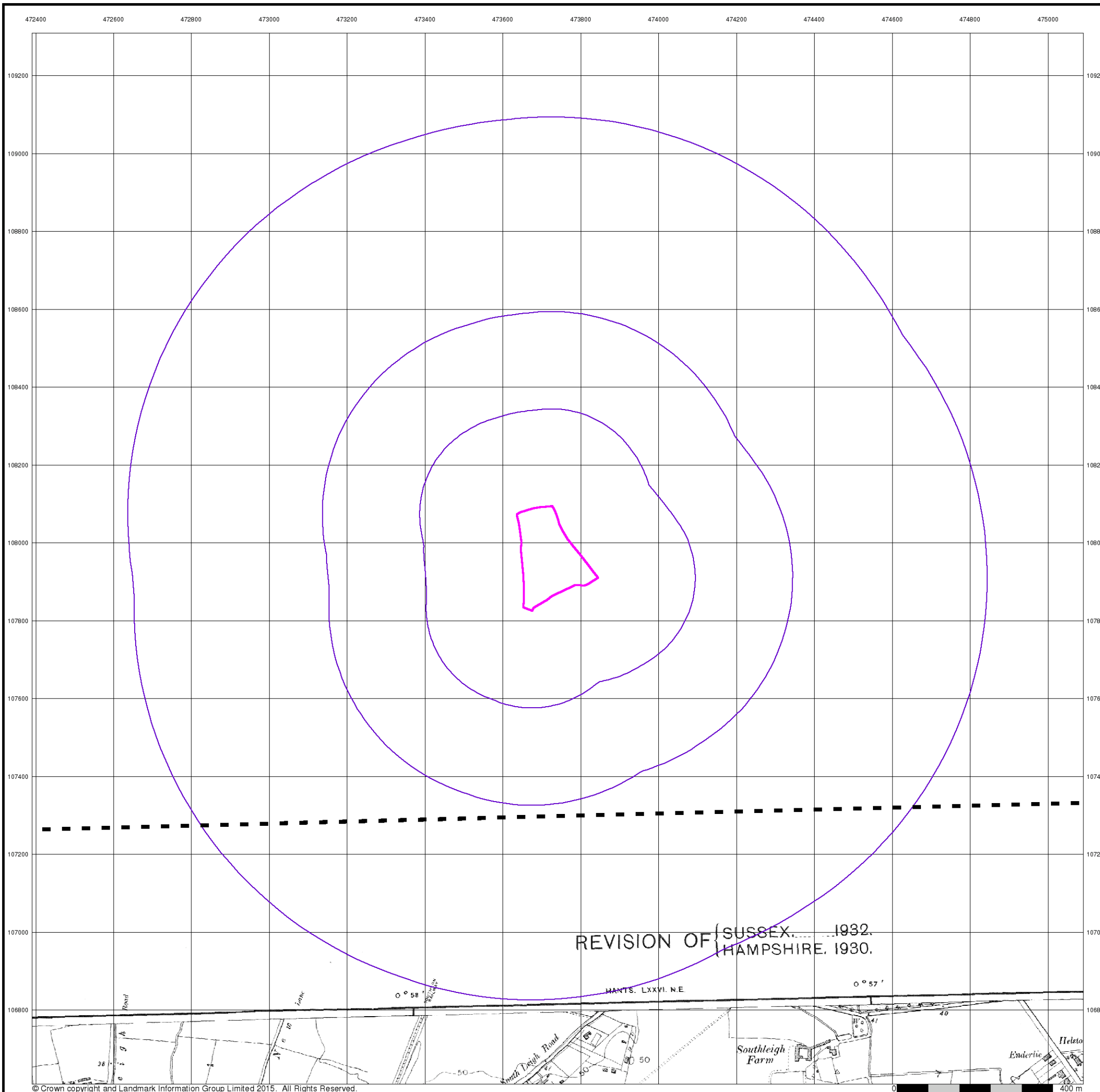
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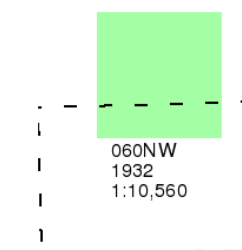
Geo-Environmental Sussex

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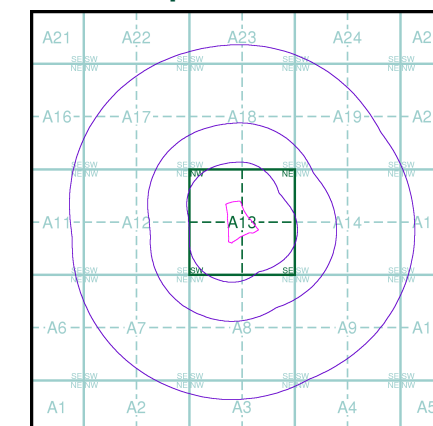
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

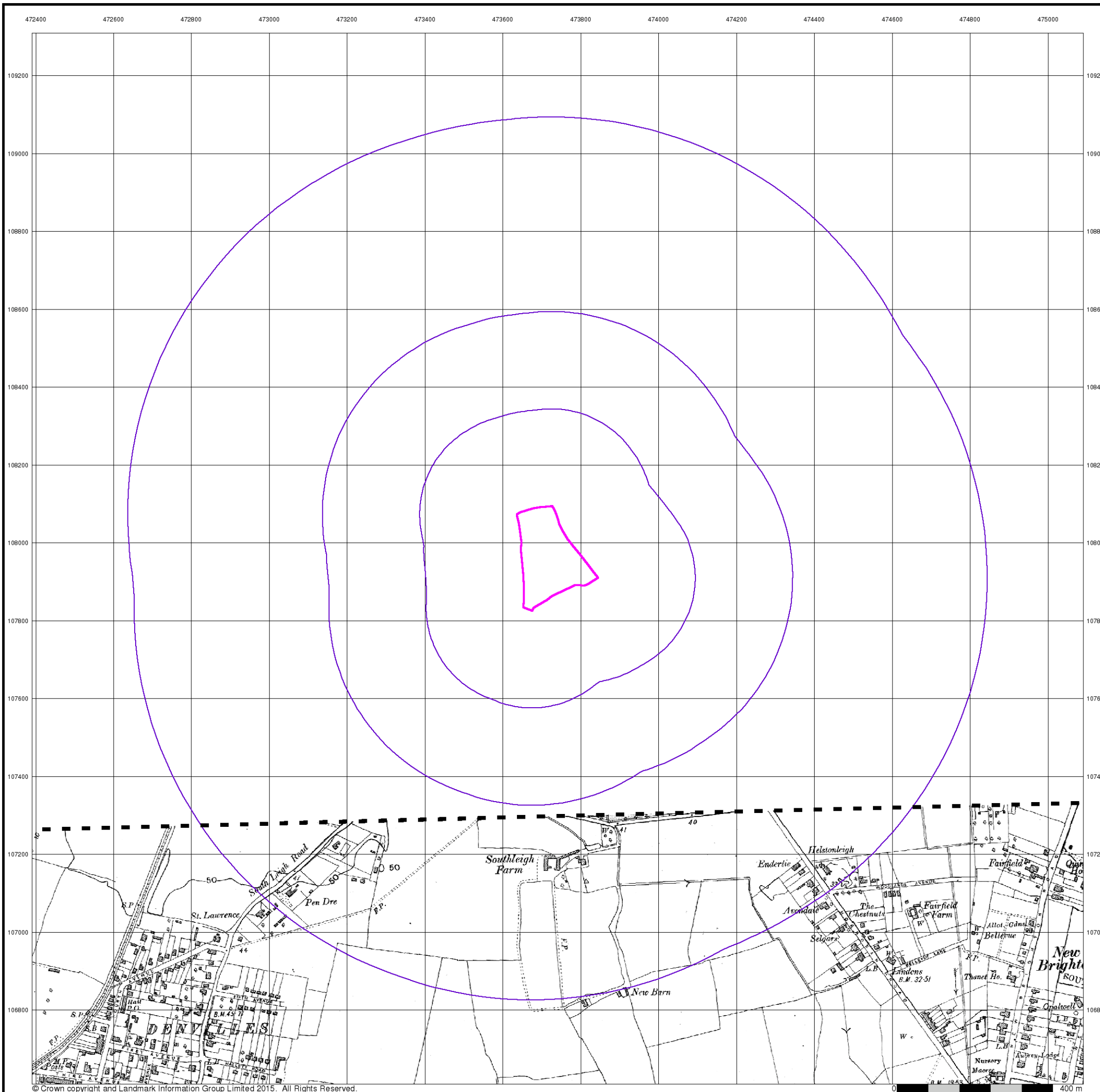
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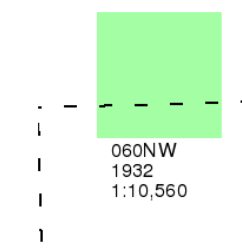
Geo-Environmental Sussex

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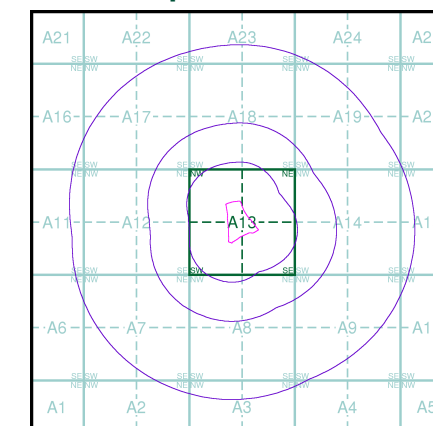
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Historical Map - Slice A



Order Details

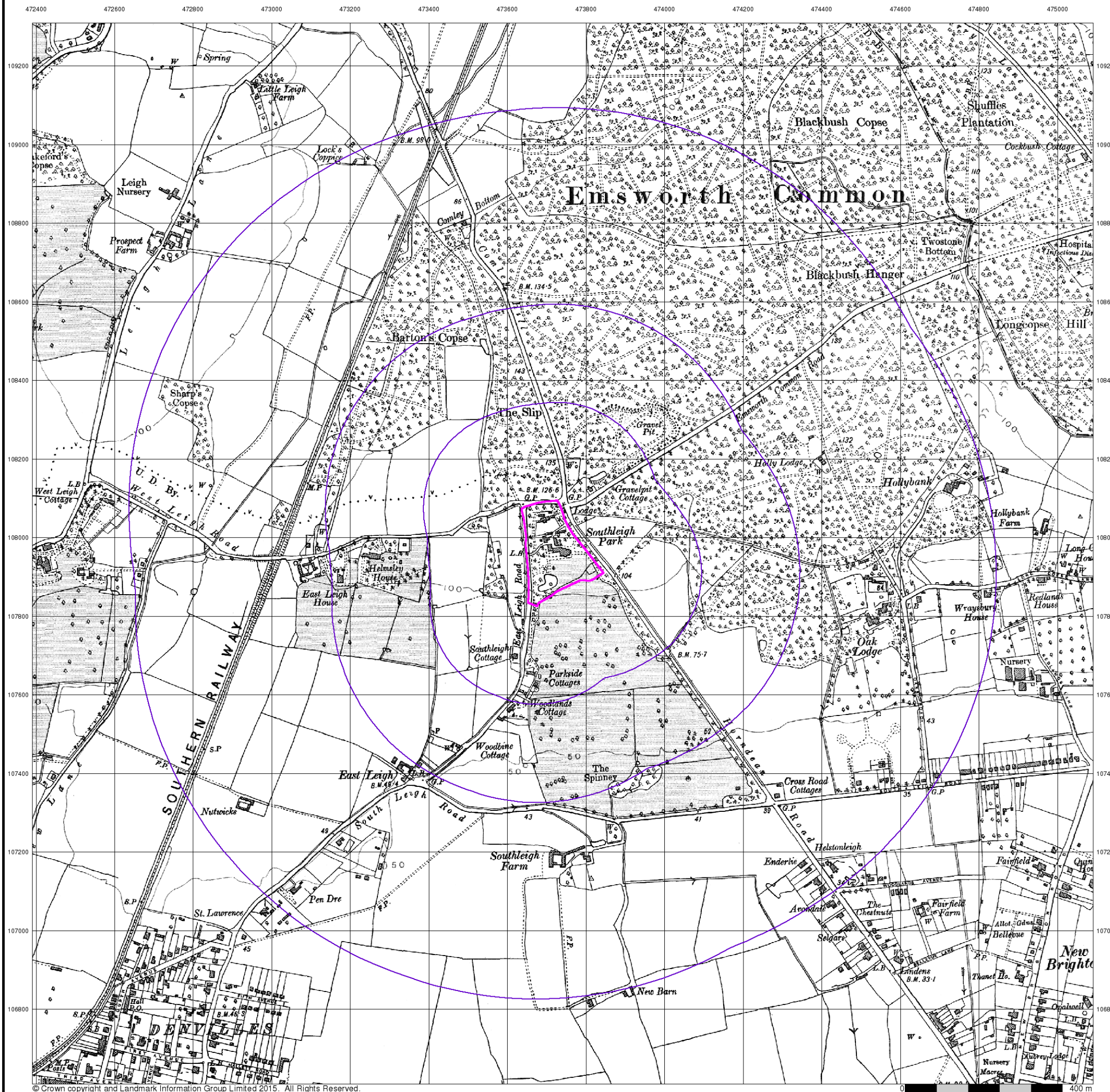
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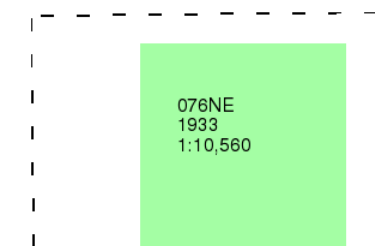
Geo-Environmental Hampshire & Isle Of Wight

Published 1933

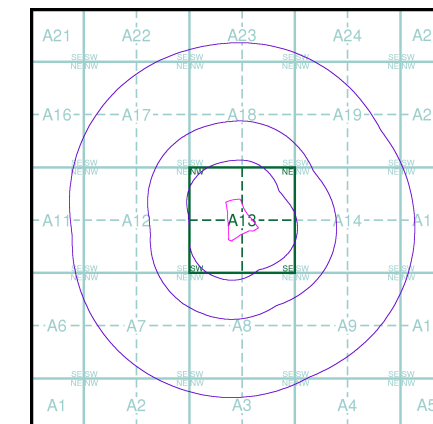
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
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Site Area (Ha): 3.17
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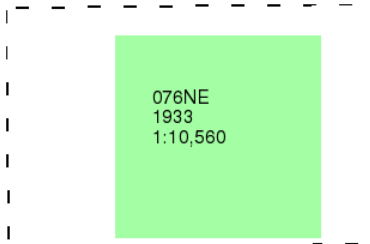


**Geo-Environmental
Hampshire & Isle Of Wight
Published 1933**

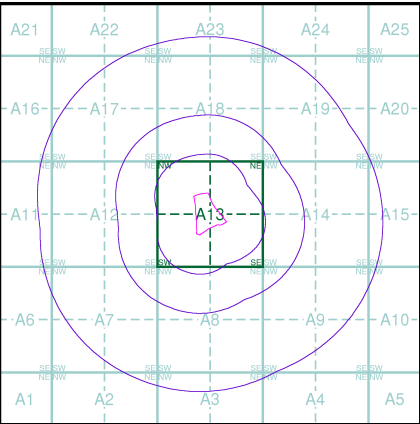
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

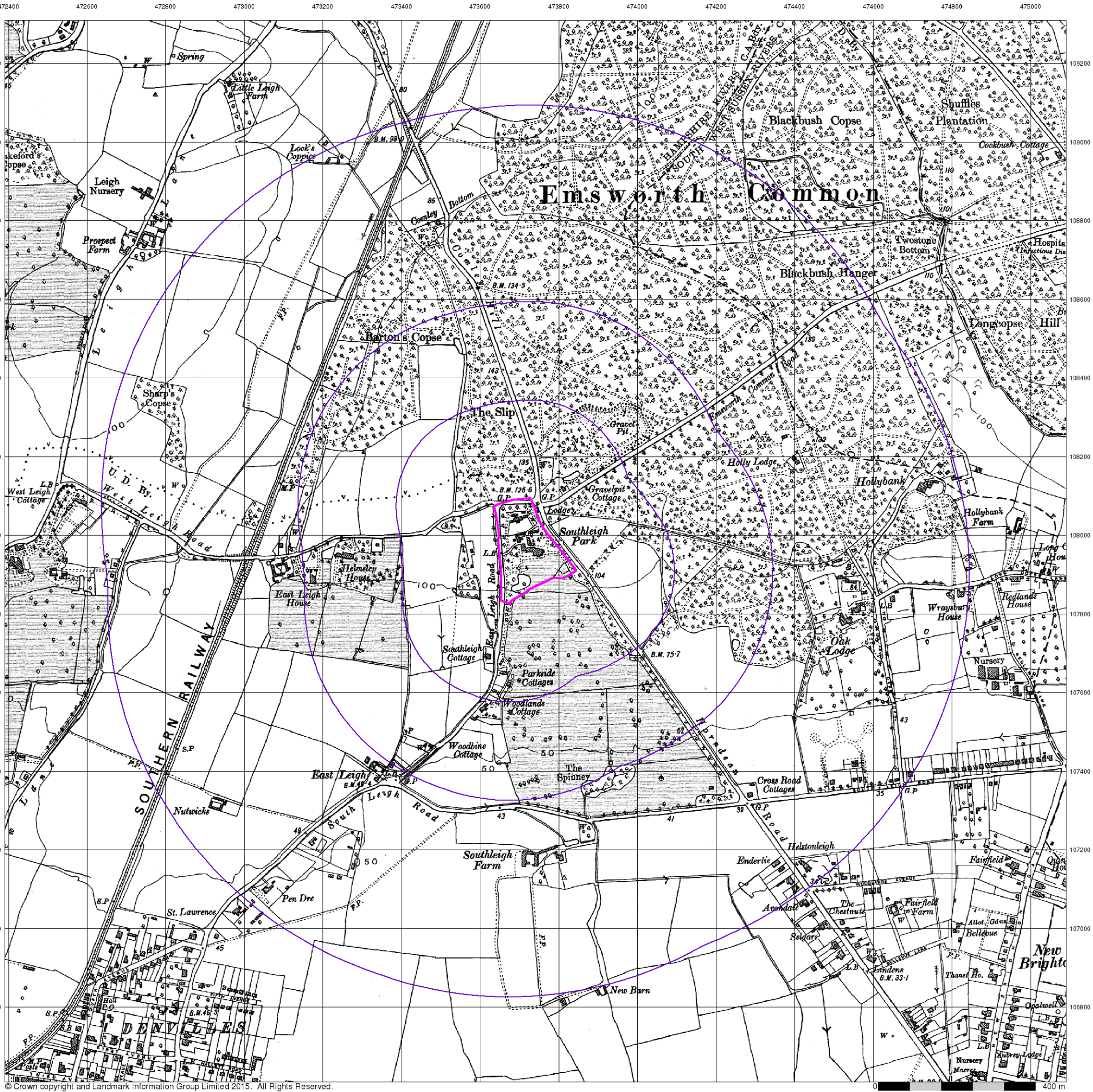
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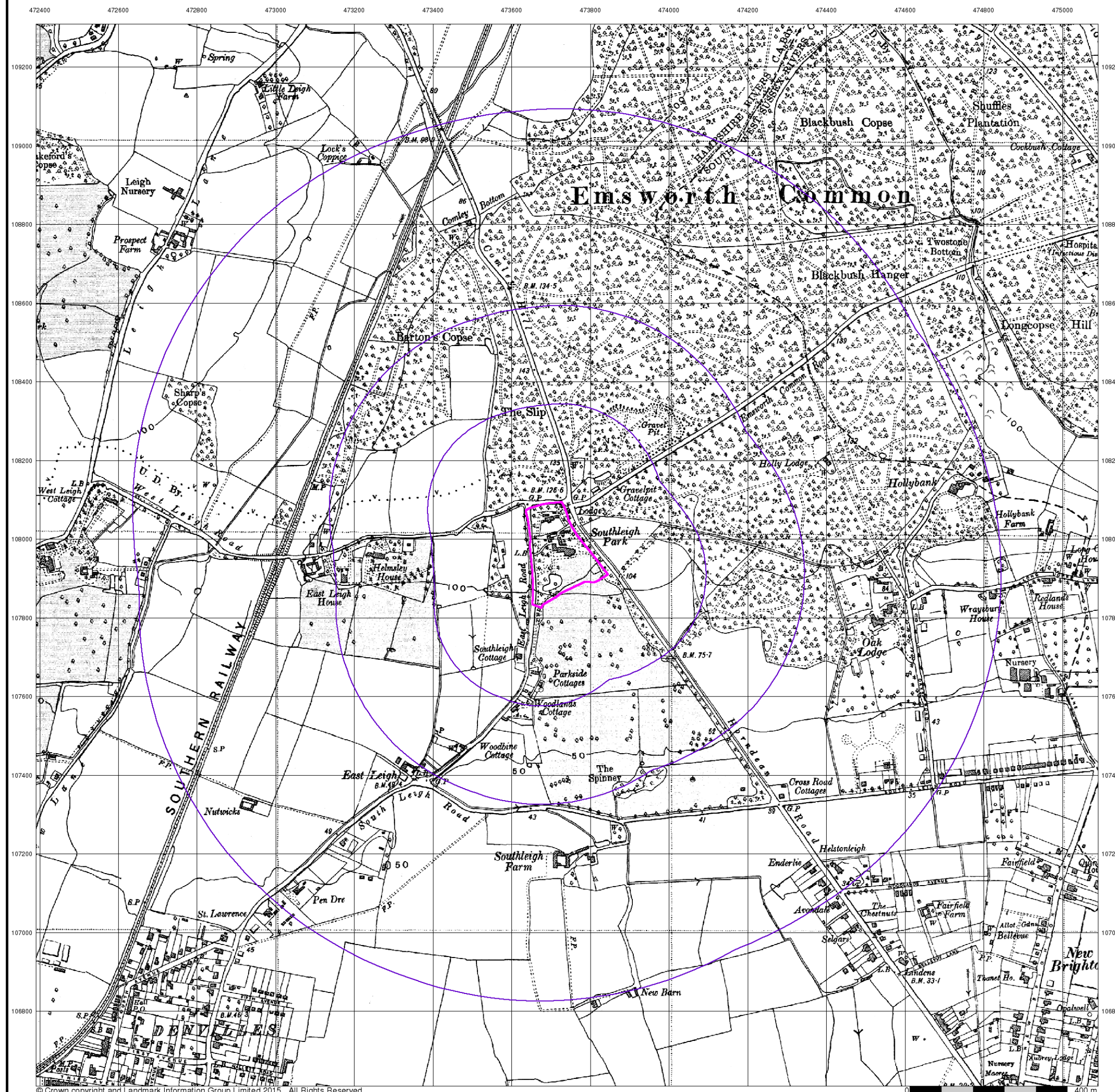


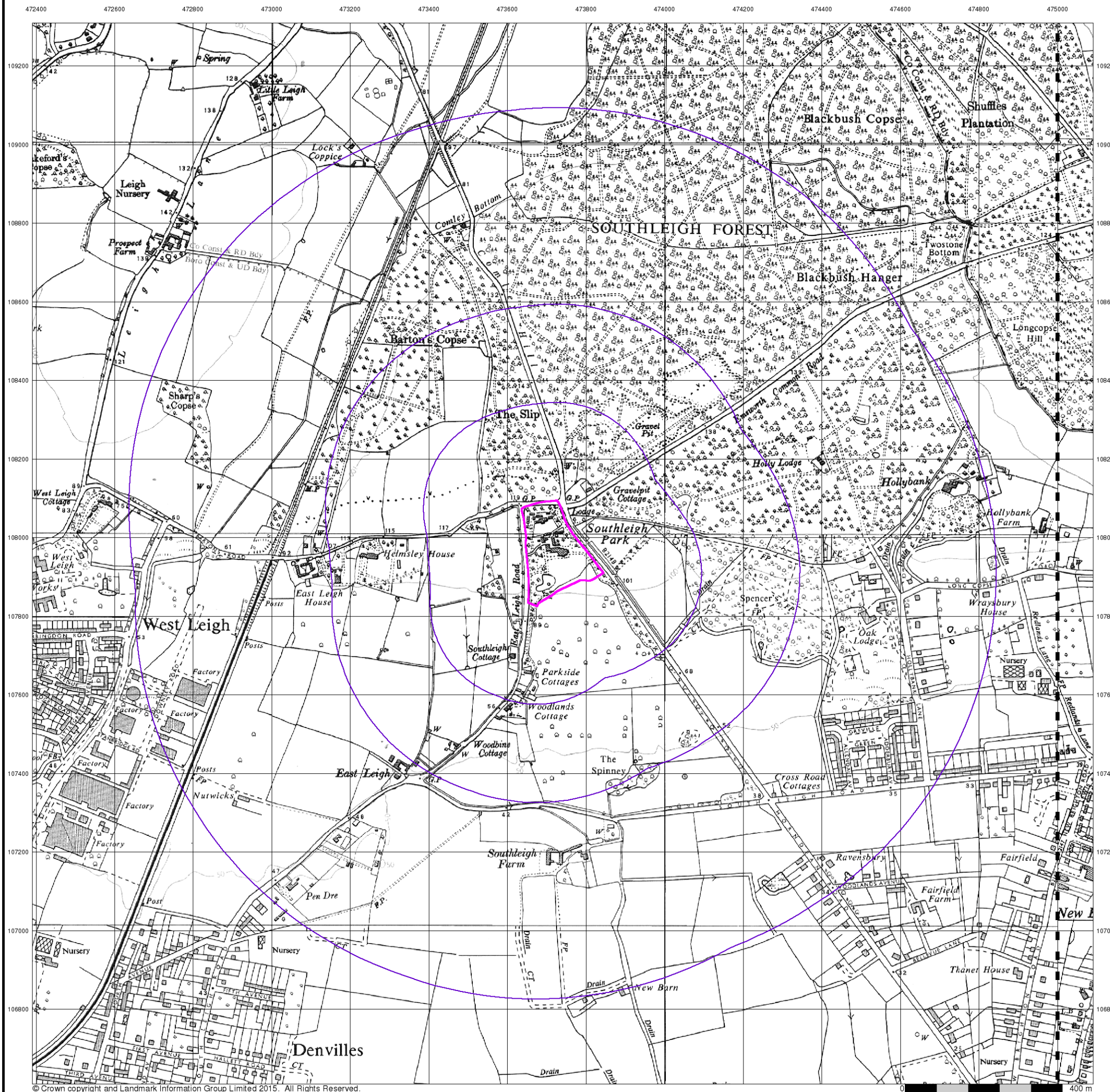
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076NE
1938
1:10,560

Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

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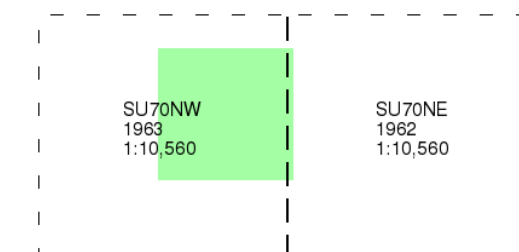
Geo-Environmental Ordnance Survey Plan

Published 1962 - 1963

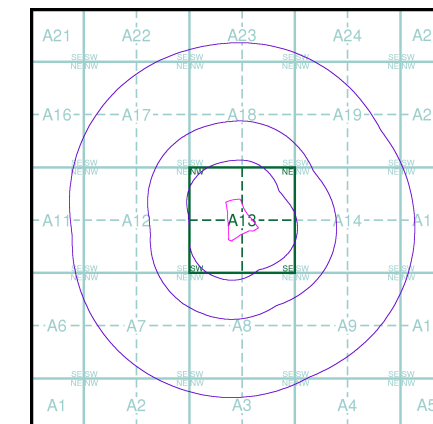
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

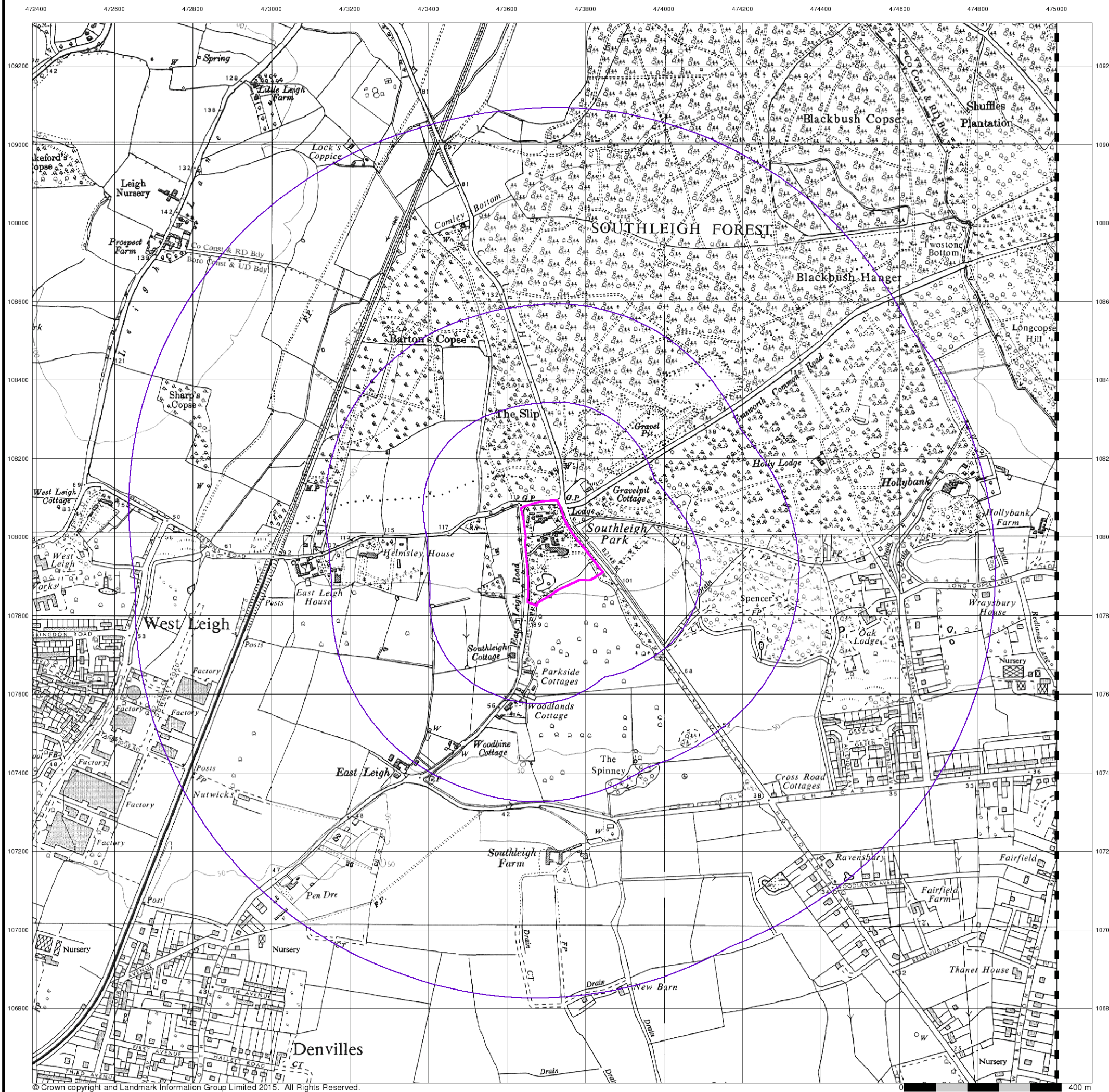
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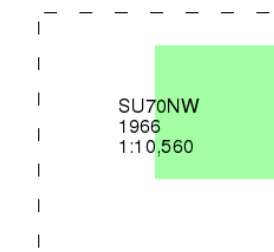
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Published 1966

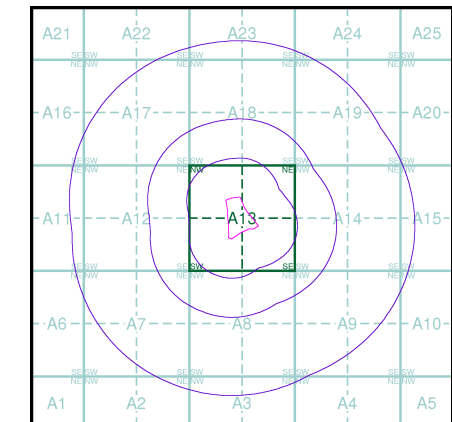
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Order Details

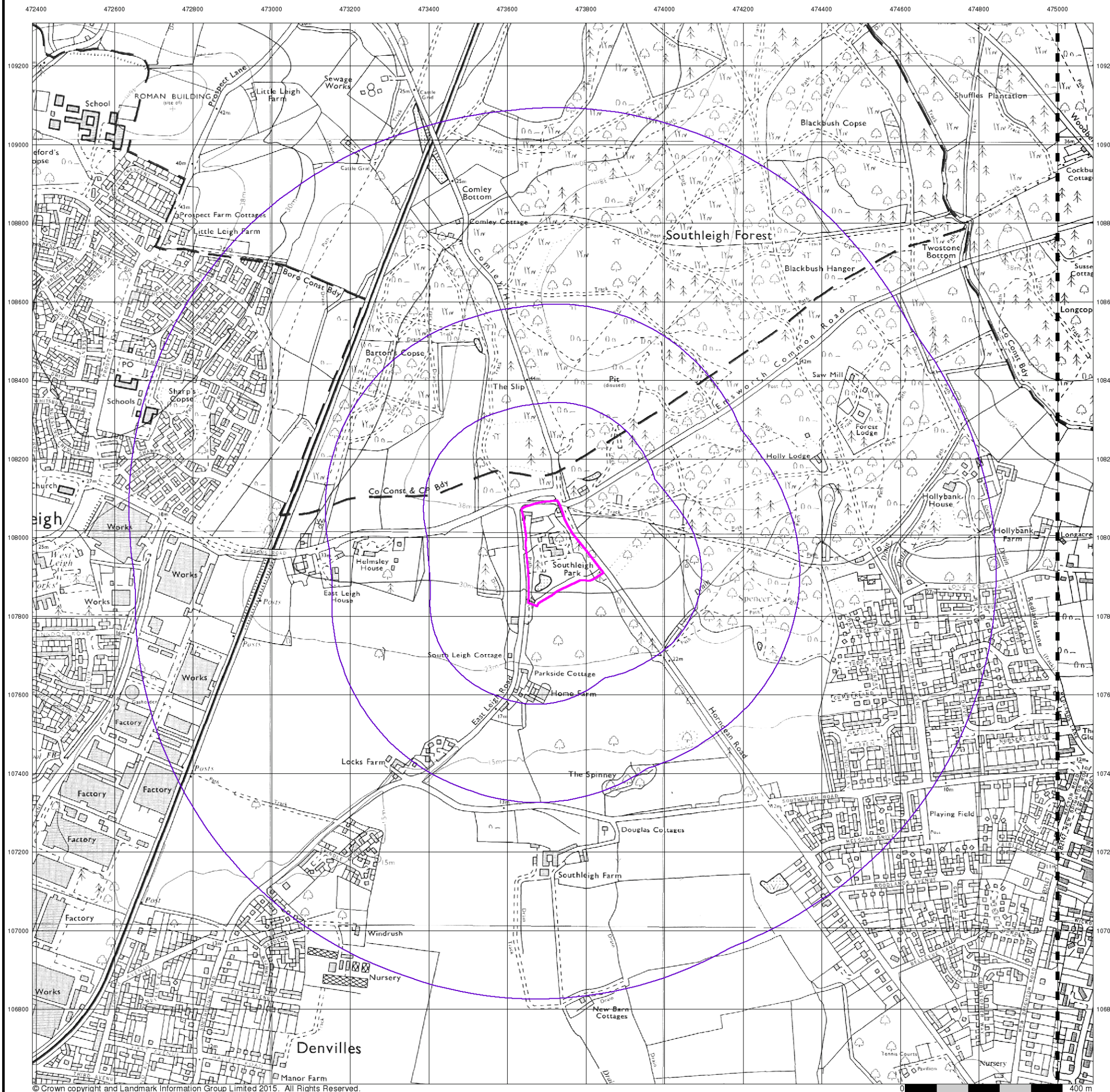
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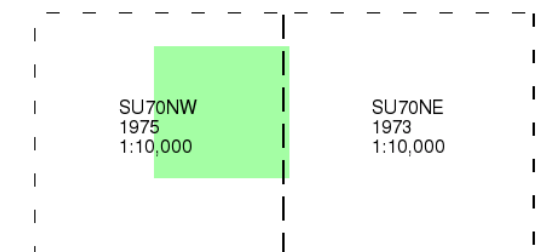
Geo-Environmental Ordnance Survey Plan

Published 1973 - 1975

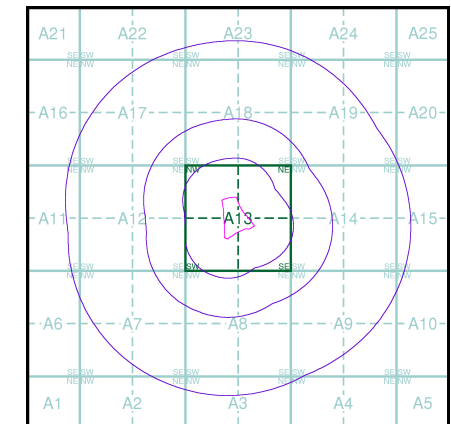
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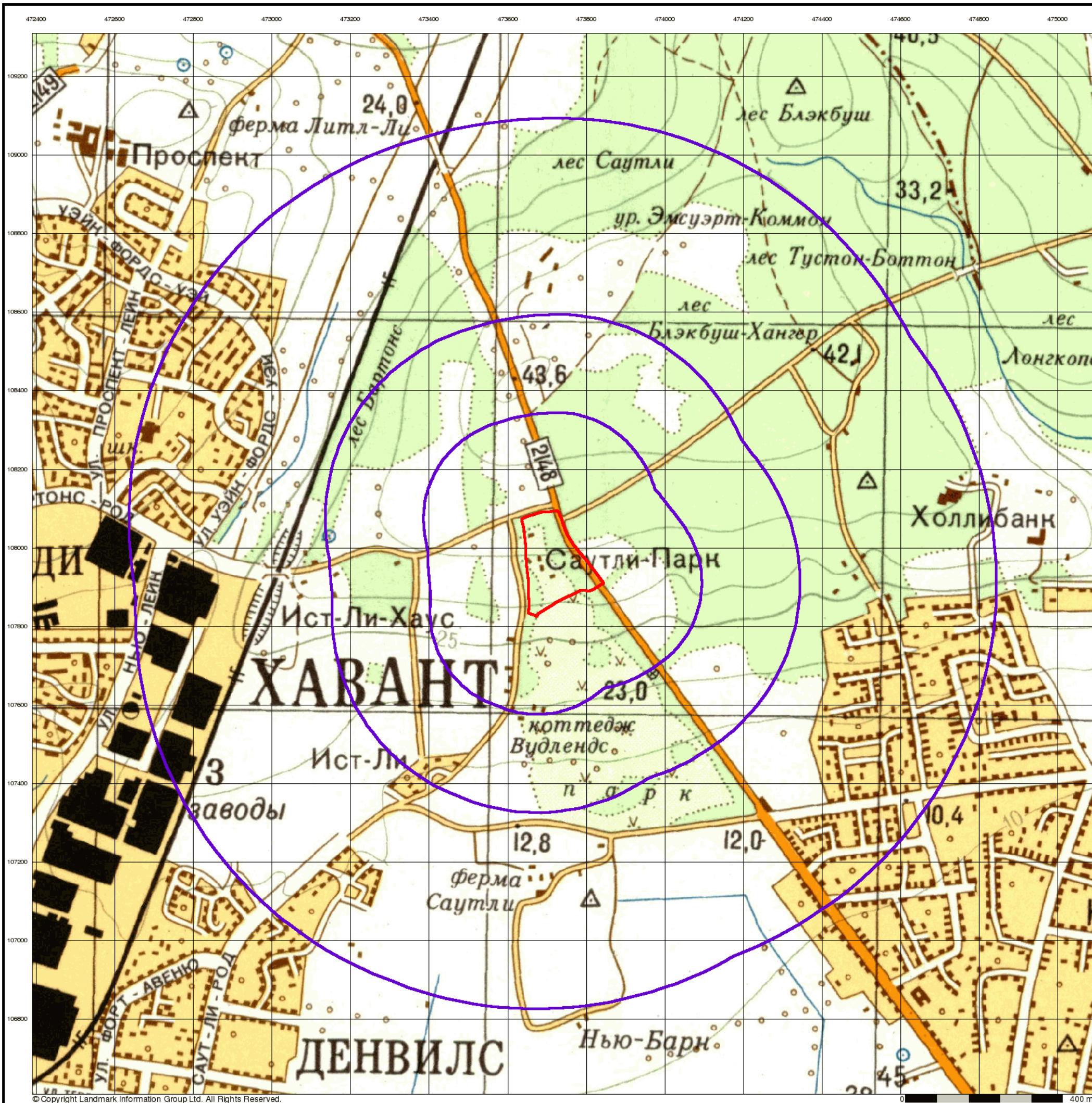
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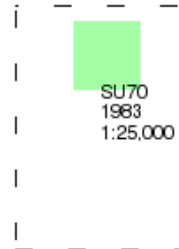
Geo-Environmental Havant

Published 1983

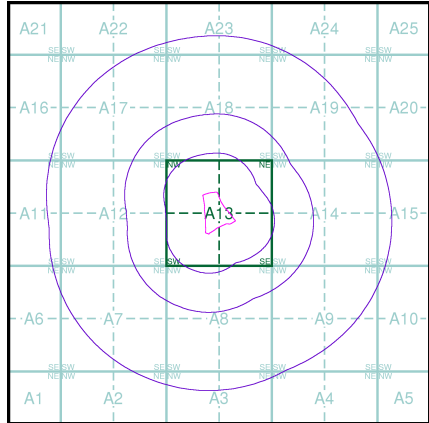
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

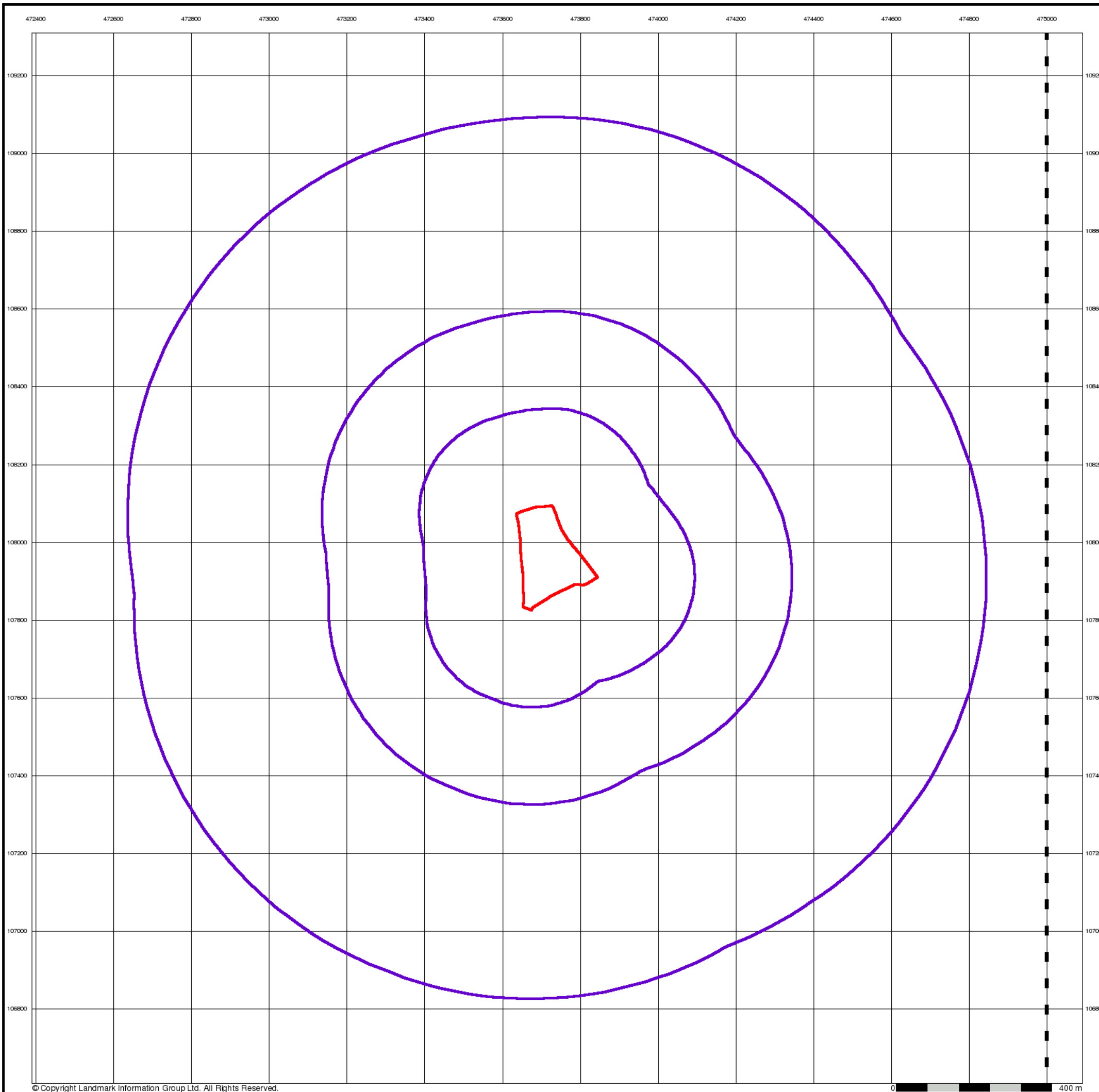
Order Number: 85480247_1_1
Customer Ref: GE15562
National Grid Reference: 473720, 107960
Slice: A
Site Area (Ha): 3.17
Search Buffer (m): 1000

Site Details

Southleigh Park House, Eastleigh Road, HAVANT, Hampshire, PO9 2PE



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Geo-Environmental Portsmouth

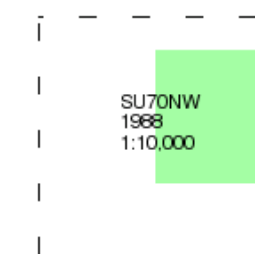
Published 1988

Source map scale - 1:10,000

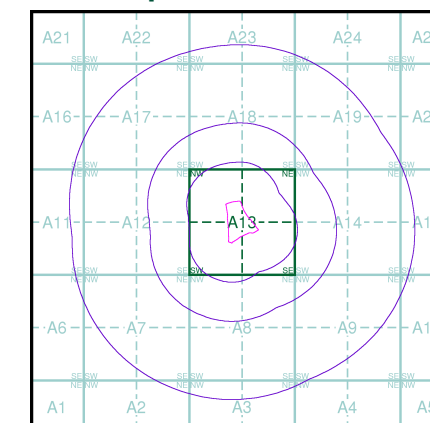
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Russian Map - Slice A



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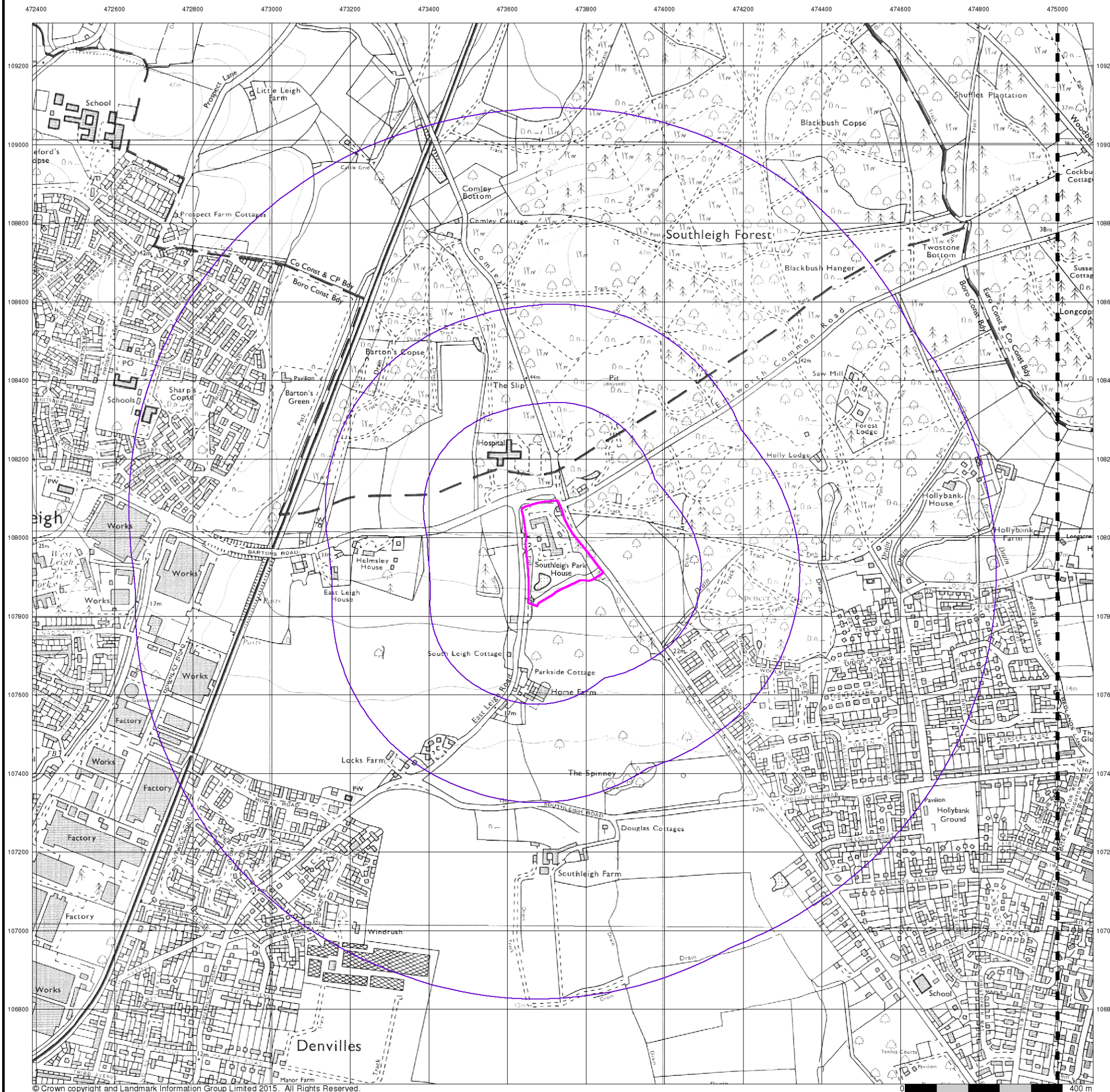
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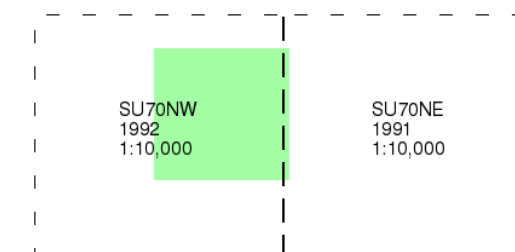
Geo-Environmental Ordnance Survey Plan

Published 1991 - 1992

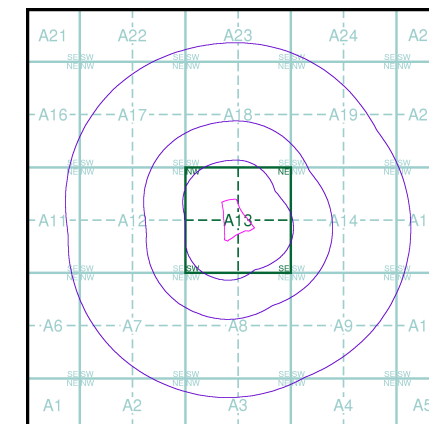
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



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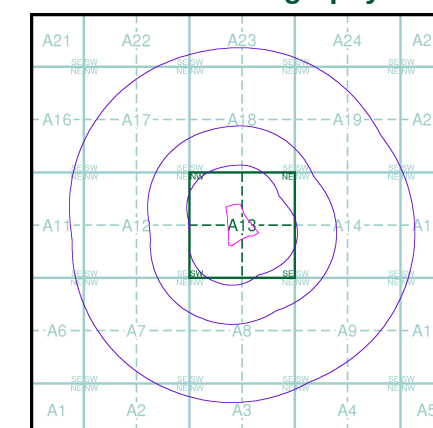


Geo-Environmental Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Slice A



Order Details

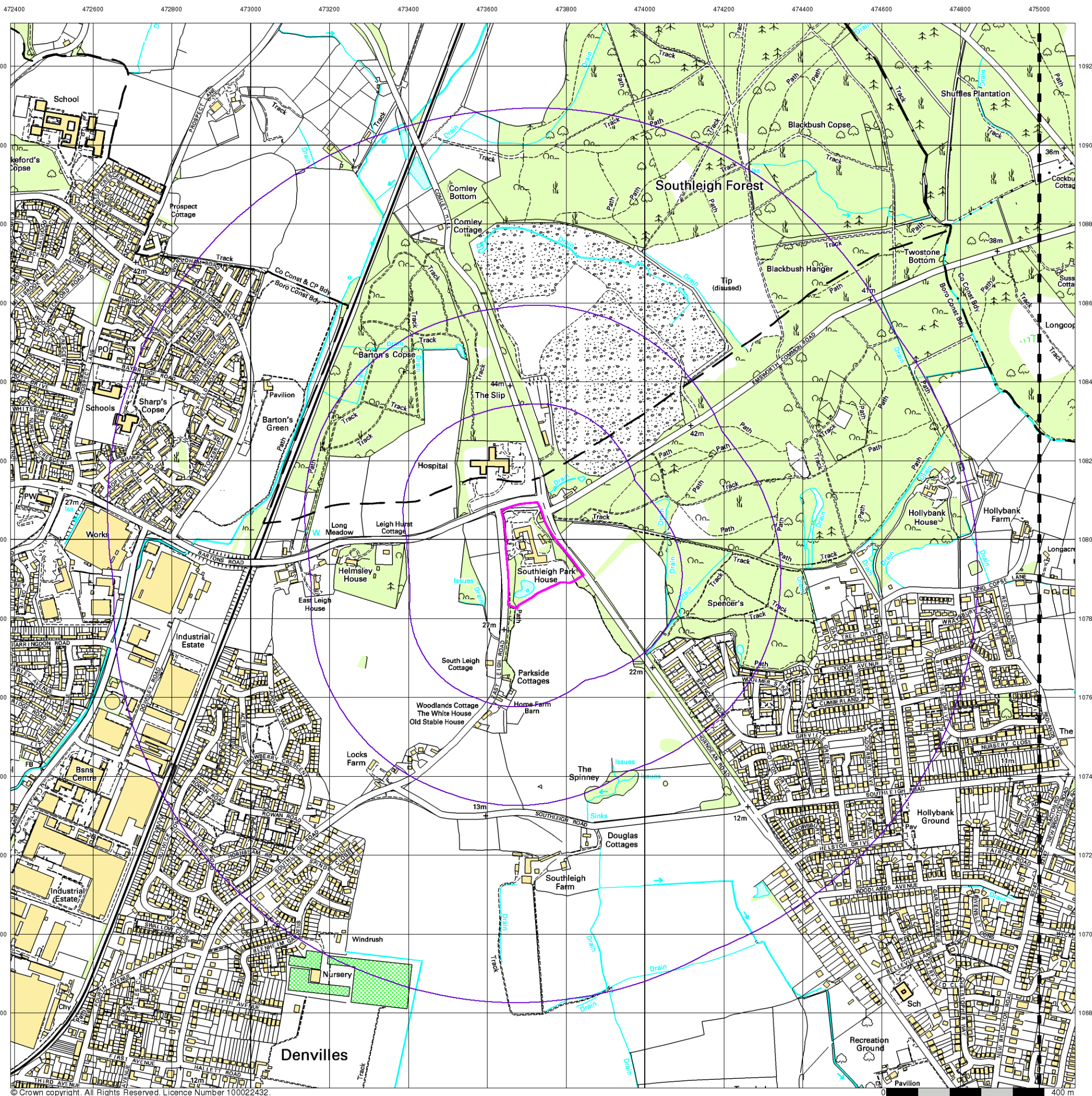
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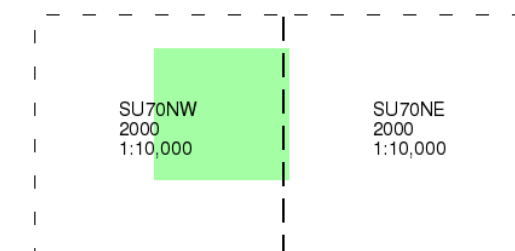
Geo-Environmental 10k Raster Mapping

Published 2000

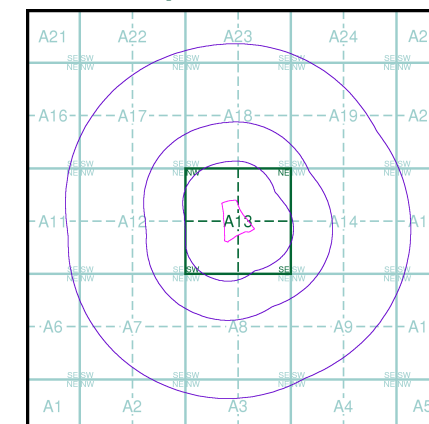
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



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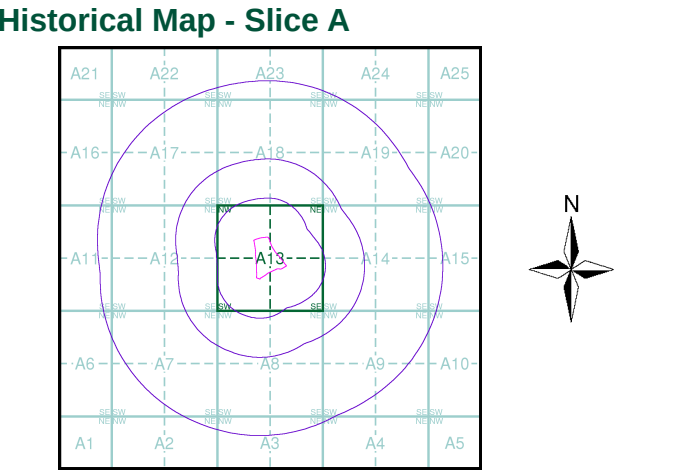
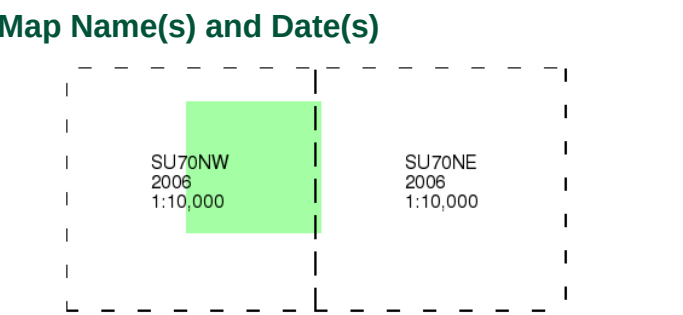


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**Geo-Environmental
10k Raster Mapping**
Published 2006
Source map scale - 1:10,000

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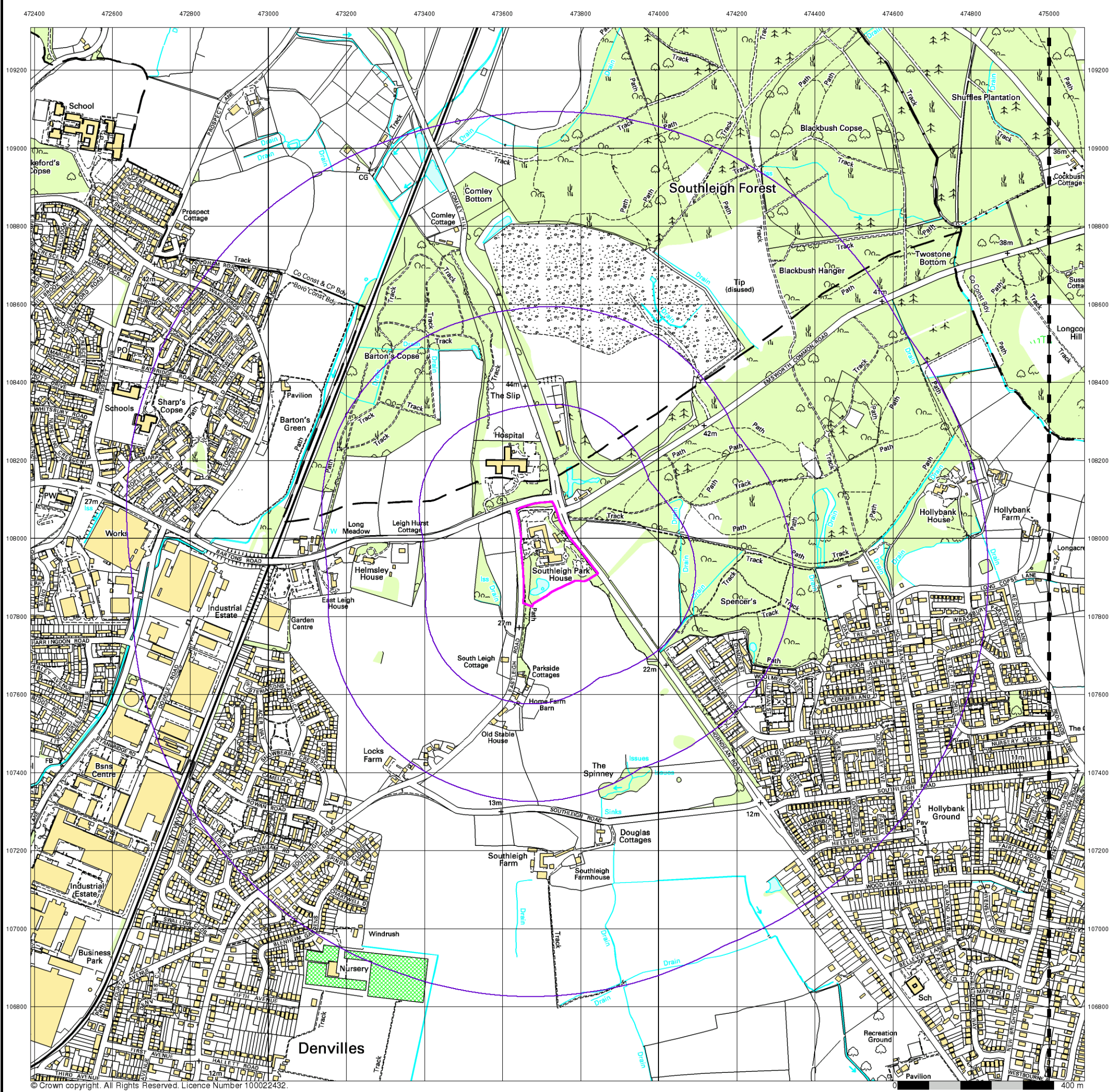


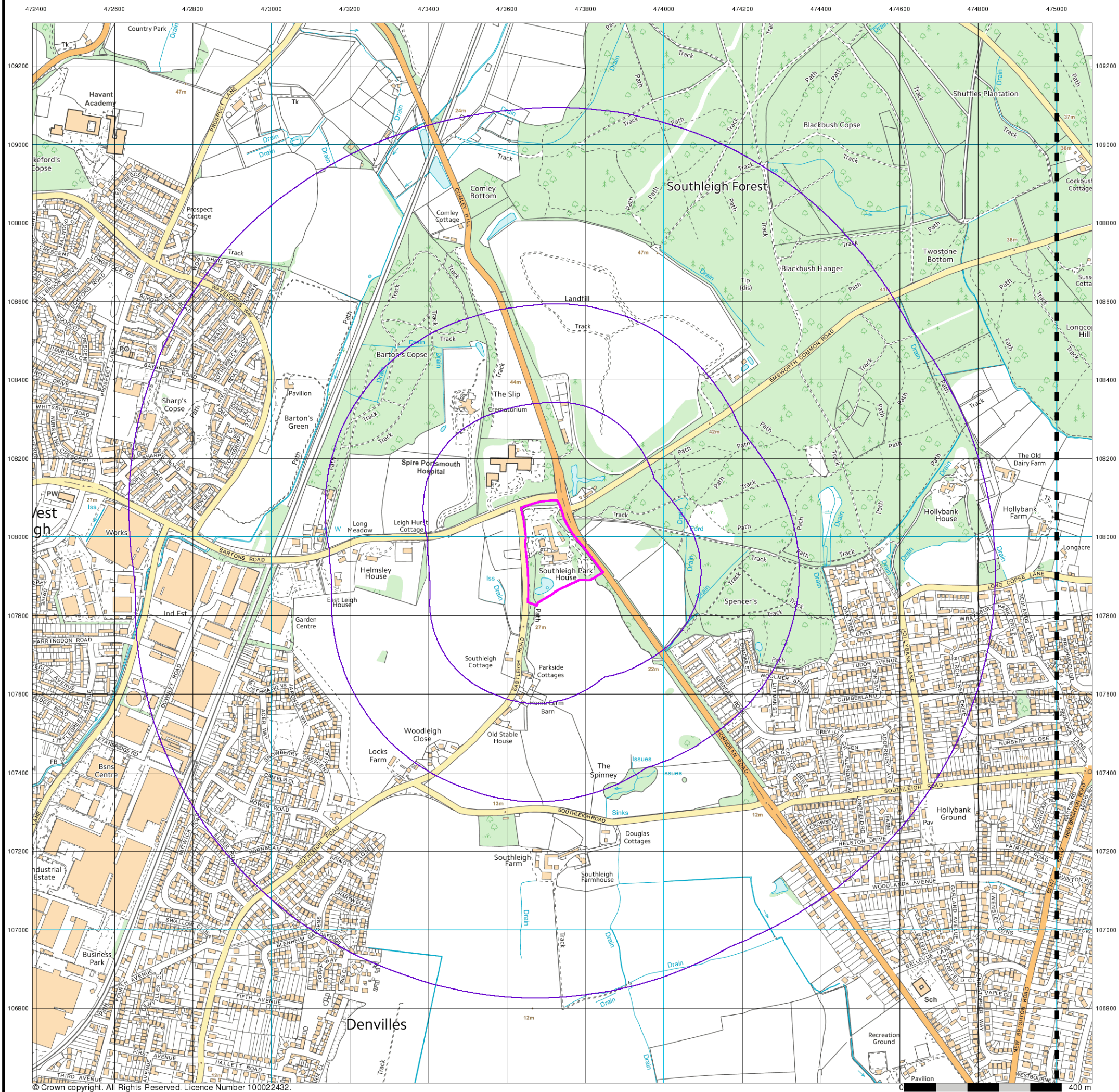
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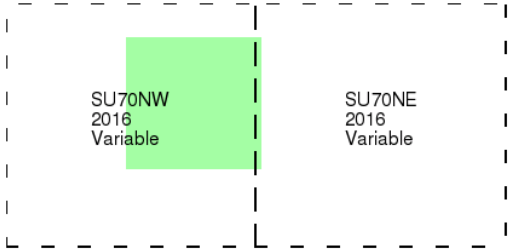
Geo-Environmental VectorMap Local

Published 2016

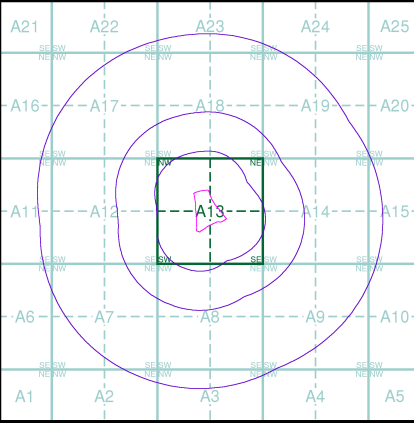
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



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