



Geotechnical & Environmental Consultants

Report on a Phase I Desk Study

At

**Land North of Goldring Close and South of Beech
Grove, Mengham, Hayling Island, PO11 9PN**

For

Pro Vision

Phase I Desk Study

**Job title: Land north of Goldring Close and south of Beech Grove,
Mengham, Hayling Island, PO11 9PN**

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Current regulations and good practice were used in the preparation of this report. The recommendations given in this report must be reviewed by an appropriately qualified person at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.



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	Contents	Page
1	Commission	1
2	Introduction	1
	▪ Objective of the Investigation	2
	▪ Location	2
	▪ Proposed Redevelopment	2
	▪ Legislative Background	2-3
	▪ Limitations and Disclaimers	3-4
3	Site Conditions	5
4	Geology, Hydrogeology, Hydrology and Radon	6
	▪ Anticipated Geology	6
	▪ Hydrogeology	6-7
	▪ Hydrology	7
	▪ Radon Gas	7
	▪ Flood Risk	7
5	Site History	8-9
6	Environmental Records and Consultation	10
	▪ Dataset Information and Landmark Envirocheck Report	10
	▪ Site Sensitivity Maps	11
7	Discussion	12-13
8	Sources, Pathways and Receptors	14
	▪ General	14
	▪ On-site contamination sources	14
	▪ Off-site contamination sources	14
	▪ Potential Pathways	15
	▪ Potential Receptors	15
9	Conceptual Model	16-17
10	Recommendations	18
	▪ General	18
	▪ Identification of Satisfied Pollutant Linkages	18
	▪ Proposed Site Works	18
	▪ Discovery Strategy	19

Appendix A
Appendix B
Appendix C
Appendix D

Appendices

County Series and Ordnance Survey Maps
Landmark Envirocheck Report
Site Sensitivity Maps
Site Photographs

Report on a Phase I Desk Study

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Hayling Island, PO11 9PN**

For

Pro Vision

Section 1 Commission

1.1 Commission

Soils Limited was commissioned by Pro Vision, to carry out a Phase I Desk Study and site walkover on land referred to as land to the north of Goldring Close and to the south of Beech Grove, Mengham, Hayling Island, PO11 9PN.

1.2 Caveat

Whilst reasonable skill and care has been taken to determine the site history and the environmental setting within the time constraints applied by the programme, it should be appreciated that it may be that site conditions are better or worse than those indicated by desk study, particularly on sites with a history of past development. No responsibility can be accepted should such conditions alter the recommendations made in this report.

Section 2 Introduction

2.1 Objective of the investigation

The Phase I Desk Study was undertaken to advise the client on risk factors pertaining to the site with special reference to former and present day potential contaminative uses and their impact on sensitive receptors, these being: human health; controlled waters; buildings; building materials; and services.

2.2 Location

The approximate National Grid Reference at the center of the site was SU 725 953. The general layout is given on an aerial photograph presented on Figure 1. The site area was approximately 4.59ha.

2.3 Proposed Redevelopment

The proposed development, at the time of reporting, was understood to comprise a housing development of 131 dwellings (including 5No. 2-bed flats, 44No. 2-bed houses, 67No. 3-bed houses and 15No. 4-bed houses). The development is also understood to include private and communal soft landscaping, car parking areas, access roads and general infrastructure.

2.4 Legislative background

Part IIA of the Environment Act 1995 provides powers in relation to the identification, remediation and apportionment of liability for contaminated land.

Local Authorities are required to identify contaminated land and serve on every person who is an appropriate person a remediation notice setting out what is to be done by way of remediation and the period within which it must be done.

If the person who caused, or knowingly permitted the contaminating substance cannot be found, the owner and/or occupier for the time being of the property can be the appropriate person.

For the first time in the United Kingdom there is a legal meaning to the term Contaminated Land as: -

Land which is in such a condition by reason of substances in, on or under the land that significant harm is being caused or that there is a significant possibility of such harm being caused or that pollution of controlled waters is being, or is likely to be caused.

Where the Act defines harm as: -

harm to the health of living organisms or other interference with the ecological systems of which they form a part and, in the case of man, includes harm to his property.

and pollution of controlled waters is defined as: -

the entry into controlled waters of any poisonous, noxious or polluting matter or any solid waste matter.

With regard to contaminated waters, the Environment Act 1995 amends the Water Resources Act 1991 and provides the Environment Agency with the power to force clean-up of historical contamination by issuing a Works Notice, with remediation paid for by the responsible parties.

In addition, the Groundwater Regulations (1998) state that entry of List 1 substances into groundwater must be prevented and List II substances must be controlled. Petroleum hydrocarbons, pesticides and some herbicides are List I substances.

2.5 Limitations and disclaimers

The ground is a product of continuing natural and artificial processes. As a result, the ground will exhibit a variety of characteristics that vary from place to place across a site, and also with time. Whilst a ground investigation will mitigate to a greater or lesser degree against the resulting risk from variation, the risks cannot be eliminated.

The investigation, interpretations, and recommendations given in this report were prepared for the sole benefit of the client in accordance with their brief. As such these do not necessarily address all aspects of ground behaviour at the site.

Current regulations and good practice were used in the preparation of this report. An appropriately qualified person must review the recommendations given in this report at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.

The conclusions and recommendations relate to the site referred to land to the north of Goldring Close and to the south of Beech Grove, Mengham, Hayling Island, PO11 9PN.

There may be other sources of information not included in those listed that hold data relevant to the Phase I Desk Study undertaken at the site that could materially affect the conclusions made in this report.

Ownership of land brings with it onerous legal liabilities in respect of harm to the environment. Contaminated Land is defined in Section 57 of the Environment Act 1995

as Land which is in such a condition by reason of substances in, on or under the land that significant harm is being caused or that there is a significant possibility of such harm being caused or that pollution of controlled waters is being, or is likely to be caused.

Where a contaminative use is identified in this Phase I Desk Study this does not determine whether contamination has actually occurred, or if it has, the degree to which it may have taken place. An intrusive investigation(s) and analysis is required to establish the nature and degree of any contamination present.

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Section 3 Site conditions

3.1 Site walkover

A site walkover was undertaken in April 2012.

Details of the site walkover are presented in the table below.

Site Walkover Record	
Use of site	<i>Open fields / paddocks with scattered stable buildings</i>
Site topography	<i>Generally flat and level</i>
Area topography	<i>Generally flat and level</i>
Structures on-site	<i>Stables noted to site boundaries to N, SE and S</i>
Structures off-site/ Use of surrounding ground	<i>Residential to the north and south. Mengham Junior School to the west, open land to the east</i>
Site covering	<i>Grass and open land Mature trees to centre of site – between N and S of site</i>
Current Contamination sources on-site	<i>Horse excrement and urine</i>
Current Contamination sources off-site	<i>None noted</i>
Vegetation on-site	<i>Mature trees to centre of site – between N and S of site Mature trees to site boundaries Grass</i>
Vegetation off-site	<i>Soft landscaping, grass, trees associated with residential properties to N, S, E Grass associated with open land and fields to W and E</i>

Section 4 Geology, hydrogeology, hydrology and radon

4.1 Anticipated geology

The 1:50 000 Geological Survey of Great Britain (England and Wales), showed the site to be located on River Terrace Deposits overlying the Portsmouth Sand Members and Whitecliffe Sand Member (undifferentiated).

4.1.1 River Terrace Deposits

River Terrace Deposits consist dominantly of gravels made up of sub-angular to sub-rounded flints. A considerable amount of sand-grade components are also present. The five highest terraces in the region have an appreciable clay content. The River Terrace Deposits noted underlying the site were undifferentiated.

4.1.2 Portsmouth Sand Members and Whitecliffe Sand Member

The Portsmouth Sand Members and Whitecliff Sand Member is part of the London Clay Formation and consists of lenticular bodies of sand, with varying proportions of silt and clay with beds of rounded flint pebbles.

4.2 Hydrogeology

To assess the vulnerability of groundwater to contamination, consideration must be given to the leaching characteristics of the overlying soils and the characteristics of the strata in the unsaturated zone. Information on the geological strata, such as lithological type and permeability characteristics has been combined with the physical properties of the soil to produce varying degrees of vulnerability.

The Environment Agency Groundwater Vulnerability Map showed site to be located on superficial soils of a **Secondary A Aquifer** with soils of High (HU) leaching potential. The underlying bedrock was noted as **Unproductive Strata**.

The text states that the 'H' classification is defined as '*Soils with little ability to attenuate diffuse source pollutants and in which non-adsorbed source pollutants and liquid discharges have the potential to move rapidly to underlying strata or to shallow groundwater*'. 'U' denotes the area to be urban where soil information was less reliable and based on fewer observations than in rural areas and thus the worst case vulnerability has been assumed by the Environment Agency in their classification.

Secondary A Aquifer Aquifers can be fractured or potentially fractured rocks which do not have a high permeability, or other formations of variable permeability including unconsolidated deposits. Although such aquifers will seldom produce large quantities of water for abstraction, they are important both for local supplies and in supplying base flows to rivers.

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

Examination of the Environment Agency records showed that the site did **not** fall within a groundwater source protection zone (GSPZ) as defined by the Environment Agency.

No potable groundwater abstractions are noted within a 1000m radius of the site.

Any works or development, which may have an impact on surface water, aquifer or groundwater quality, must be approved by the Environment Agency prior to implementation.

4.3 Hydrology

The site was located at approximately 2m above ordnance datum (mAOD). The local and wider topography was noted to slope very gently down to the south.

The nearest surface water feature, as defined by the Envirocheck Datasheets, was 3m south-east of the site.

Groundwater was anticipated at very shallow depth (less than 2m below existing ground level). Shallow groundwater within the Secondary A Aquifer is likely to flow with the topography in a southerly direction towards the sea. Given the proximity of the site to the tidal estuarine parts of Hayling Island, the groundwater underlying the site may be tidally influenced with lag and attenuation.

4.4 Radon gas

The BGS National Geoscience database stated that the site **was situated** within an intermediate probability radon area, as between 1 and 3% of homes are above the action level, where protection or risk assessment against the ingress of radon was required.

The BRE Radon Guidance on protective measures for new buildings showed that **no radon protection measures** will need to be installed within the proposed development. It is not possible in the course of a survey or inspection to determine whether radon gas is present as the gas is colourless and odourless. Tests can be undertaken to assess the concentration of radon in existing structures.

4.5 Flood Risk

The site **was not** within an area considered by the Environment Agency to be at risk from flooding.

According to Environment Agency guidance given to Local Authorities, a Flood Risk Assessment may be required as a part of the application for planning permission and guidance should be obtained from the Planning Department.

Section 5 Site history

5.1 Historic Map Study

The object of this search was to report on the evidence of site history and redevelopment of the site and its environs from available County Series and Ordnance Survey Maps dating from the mid to late 19th Century to the present day and downloaded from Landmark Environmental.

Maps only represent a "snap shot" of the site and its environs at the date of the survey. Changes that had occurred either to the site and/or the environs may well not have been recorded on the maps and could represent a hazard to the site.

Any distances quoted for features remote from the site have been scaled from the maps and are only approximate. Where dates have been noted in brackets, these are the actual dates applicable to the map editions.

The information reported might not represent all pertinent information that could be obtained.

The interpretation of the maps and/or other data commented on in this report is subjective.

In the following sections dealing with individual maps, only features considered to have a potential contaminative impact on the site and usually within a notional 250 metre radius of the site boundaries are discussed.

The north point and approximate extent of the site are indicated on each figure.

The historic maps referred to are given within Appendix A.

A précis of the implications, if any, of the maps is given in tabular form below and overleaf.

Environmental Significance of Data From Maps			
Date	Scale	Site	Environs
1871	1:10,560	Open land	Open land, scattered residential to SE including Mengham House A number of ponds noted to E of Mengham House
1879	1:10,560	No data	No data
1881	1:2,500	Open fields	Open land with residential 230m SE
1898	1:2,500	As previous maps	Increased residential development to W
1898	1:10,560	As previous maps	As previous maps

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Environmental Significance of Data From Maps			
Date	Scale	Site	Environs
1899	1:10,560	As previous maps	As previous maps
1909	1:2,500	Open land SE of site noted as Allotment Gardens with a well	Scattered residential to SE and W
1910	1:10,560	As previous maps	As previous maps
1913	1:10,560	As previous maps	As previous maps
1913	1:10,560	As previous maps	As previous maps
1931	1:10,560	As previous maps	As previous maps
1932	1:2,500	Allotments and well no longer noted Site noted as open land	Increased residential development to N, SE and W Allotment gardens noted 140m NW Ponds to E of Mengham now combined into one pond
1938	1:10,560	As previous maps	As previous maps
1950 (Aerial Photo)	1:10,560	As previous maps	As previous maps
1953	1:10,560	No data	No data
1962	1:10,000	As previous maps	As previous maps
1972	1:10,000	As previous maps	As previous maps
1970	1:2,500	Open land	Increased residential development to SW and SE Allotment gardens still noted to NW Nursery noted 150m SW Pond to E of Mengham House now Swimming Pool
1979	1:2,500	Open land	As previous maps School noted 90m NW
1982	1:2,500	As previous maps	As previous map Electric substation noted 70m SW Swimming Pool now returned to pond
1983	1:25,000	No data	No data
1988	1:10,000	No data	No data
1989	1:2,500	As previous maps	As previous maps
1991	1:10,000	As previous maps	As previous maps
1993	1:2,500	As previous maps	As previous maps
1996	1:2,500	As previous maps	As previous maps
2006	1:10,000	As previous maps	As previous maps
2011	1:10,000	As previous maps	As previous maps

Section 6 Environmental Records and Consultation

6.1 Dataset information and Landmark Envirocheck report

A Landmark Envirocheck report was obtained for the site by Soils Limited. Unless the data indicates otherwise only information within a 250m buffer zone has been included. A copy of the report and the certificate are presented in Appendix B of this report and a summary is given below.

Environmental Significance Of Data Search	
Source	Nearest distance from site/Dated/Type
Groundwater protection zones	<i>None within a 1000m radius</i>
Nearest potable abstraction point	<i>None within a 1000m radius</i>
Nearest non-potable abstraction point	<i>433m NE/ Spray irrigation</i>
Nearest Surface Water Feature	<i>3m SE/ Drain</i>
Contaminated Land Register Entries and Notices	<i>None within 1000m radius</i>
Pollution Incidents to Controlled Waters (Significant Incidents only)	<i>None within 1000m radius</i>
Prosecutions Relating to Authorised Processes	<i>None within 1000m radius</i>
Local Authority Pollution Prevention and Controls	<i>None within 250m radius</i>
Discharge Contents	<i>None within a 250m radius</i>
Integrated Pollution Prevention and Control	<i>None within a 250m radius</i>
Licensed Waste Management Facilities	<i>None within a 250m radius</i>
Registered Landfill Sites	<i>83m E/ Landfill (biodegradable waste) – defunct status</i>
Registered Radioactive Substances	<i>None within a 250m radius</i>
Historical Landfill Sites	<i>95m E/ Inert waste</i>
BGS Recorded Landfill Sites	<i>None within a 250m radius</i>
Registered Waste Treatment or Disposal Sites	<i>None within a 250m radius</i>
Registered Waste Transfer Sites	<i>None within a 250m radius</i>
COMAH	<i>None within a 250m radius</i>
NIHHS	<i>None within a 250m radius</i>
Planning hazardous substance consents	<i>None within a 250m radius</i>
Contemporary Trade Directory (Active Status or historically significant for off-site sources, date not supplied)	<i>101m SW/ Waste disposal services 180m W/ Pest and vermin control 208m NW/ Printers 243m NW/ Digital printers</i>
Extreme flooding from rivers or sea without defences	<i>41m SE</i>
Flooding from rivers or sea without defences	<i>59m SE</i>
Areas benefiting from flood defences	<i>None</i>
Flood Water Storage Areas	<i>None</i>
Flood Defences	<i>None</i>
Fuel Station Entries	<i>875m SE</i>

Geological Hazards	
Coal Mining Affected Areas	<i>None</i>
Non-Coal Mining Affected Areas	<i>None</i>
Mining Instability	<i>No Hazard</i>
Potential For Collapsible Ground Stability Hazards	<i>On site/ Low</i>
Potential For Compressible Ground Stability Hazards	<i>No hazard</i>
Potential For Ground Dissolution Stability Hazards	<i>No hazard</i>
Potential For Landslide Ground Stability Hazards	<i>On site/ Very Low-Low</i>
Potential For Running Sand Ground Stability Hazards	<i>On site/ Low</i>
Potential For Shrinking or Swelling Ground Stability Hazards	<i>On site/ Low</i>

6.2 Site Sensitivity Maps

No other significant potential sources of contamination were shown on the Landmark Envirocheck Site Sensitivity Maps, copies of which are presented in Appendix C.

Section 7 Discussion

7.1 Summary

The findings of the Phase 1 Desk Study are summarised below:

- 1) *The 1:50 000 Geological Survey of Great Britain showed the site to be located on the River Terrace Deposits underlain by the Portsmouth Sand Members and Whitecliffe Sand Members.*
- 2) *The Groundwater Vulnerability showed the site to be located on soil having a Geological Class of a **Secondary A Aquifer** with HU leaching potential underlain by **Unproductive Strata**.*
- 3) *The site was **not** situated within a groundwater source protection zone (GSPZ)*
- 4) *The site was located at approximately 2m above ordnance datum (mAOD).*
- 5) *The nearest surface water feature, as defined by the Envirocheck Datasheets, was 3m south-east of the site and was a drain.*
- 6) *Shallow groundwater within the Secondary A Aquifer is likely to flow with the topography in a southerly direction towards the sea. Given the proximity of the site the tidal estuarine parts of Hayling Island, the groundwater underlying the site may be tidally influenced with associated lag and attenuation. Depending on the soil permeability and distance from the sea the groundwater levels may be influenced by diurnal or lunar tidal cycles. Any such level changes will be subject to both lag and attenuation.*
- 7) *The BGS National Geoscience database stated that the site **was situated** within an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however the BRE Radon Guidance on protective measures for new buildings showed that **no radon protection measures** will need to be installed within the proposed development.*
- 8) *Environment Agency records showed that the site was **not** at risk of flooding.*
- 9) *The 1871 historical map review noted the site to be open land, with open fields noted by 1881. The site remained the same, with allotments and a well noted to the south-east on the 1909 historical map, until the 1932 historical maps. Due to the time passed since the allotments were last active, they pose **no** risk of contamination to the site. The site was then noted as open fields until 2011, and was noted to have remained the same during the site walkover in May 2012.*

*The site walkover noted the site to be open fields with several small stables noted on the site boundaries. Mature trees were noted to the boundary between the north and south of site. With the exception of horse manure and urine, **no** contamination sources were noted on site.*

10) A number of potentially contaminant industries were noted within the site environs including; allotments, nursery, waste disposal services, pest and vermin control, printers and digital printers. It was anticipated that the site and site environs were tidally influenced and therefore these sources posed a risk of contamination to the site. Contamination risks associated with these industries include:

- a. heavy metals (Ba, Cd, Cr, CU, Pb, Hg, Ni, V, Zn);*
- b. semi-metals and non-metals (As, B, Se);*
- c. organic compounds such as Polyaromatic Hydrocarbons (PAH), TPH, Extractable Petroleum Hydrocarbons (EPH), Volatile Organic Compounds (VOC), Semi-Volatile Organic Compounds (SVOC), BTEX.*
- d. solvents*
- e. lubrication oils*
- f. herbicides / pesticides*

*Given the distances the sources are from site, the contamination risk posed by these sources was deemed **very low**.*

Bio-gas risk:

*11) Given the presence of a landfill site (biodegradable waste) 83m to the east of the site there was a risk posed to the site from the migration of biogas. Given the distance of the site from the landfill and the anticipated granular soils it is considered that a **low to medium biogas risk** was posed to the site. A Biogas Risk Assessment must be undertaken.*

Section 8 Sources, Pathways and Receptors

8.1 General

Within the UK contaminated land regime the test is for 'fitness for purpose' for the intended use.

A hazard is the potential to cause harm; a risk on the other hand is the likelihood of harm (in defined circumstances, and usually qualified by some statement of the severity of the harm).

It is anticipated that the site will be tidally influenced; therefore all sources located within the tidally influenced site environs may pose a risk of contamination to site.

For a site to be contaminated there must be satisfied linkages between the source of contamination, a migration pathway and the final receptor.

An intrusive investigation is required to establish whether a site is contaminated.

8.2 On-site potential contamination sources

Map evidence and a study of the Landmark Envirocheck Report did not identify any potentially contaminative activities on site. The site's present use as horse grazing (paddocks) could be considered as a potentially contaminating practice through horse excrement and urine. However, given that horse manure is widely used as a garden fertiliser it is not considered to represent a hazard to the site.

On-site potentially contaminative activities
None

Additional information derived from a phase II intrusive investigation will provide a more conclusive evaluation of the risk exposure of the underlying soils.

8.3 Off-site potential contamination sources

Map evidence, study of Landmark Envirocheck Report and site walkover identified a risk of off-site potentially contaminative activities impacting the site.

Off-site potentially contaminative activities
Historical and contemporary industries located within tidally influenced site environs Very Low Risk

8.4 Potential pathways

Anthropogenic (or artificial) pathways for contaminant migration can be present in the form of land drains etc. Leaking sewage supply pipes and site drainage could also provide pathways for potential contaminant migration. Granular backfill to trenches for cables, gas pipes, water pipes etc. can also provide pathways for movement of mobile contaminants and contaminated groundwater.

Groundwater flow could possibly tend to follow a southerly direction towards the sea. It is anticipated that the site will be tidally influenced; therefore all sources located within the tidally influenced site environs may pose a risk of contamination to site.

On-site contamination pathways

- Ingestion of soil with elevated concentration of determinants;
- Dermal contact with impacted soils;
- Inhalation of impacted dust with elevated concentration of determinants;
- Ingestion of soils attached to home grown vegetables/vegetables with contamination uptake;
- Migration downwards into the underlying groundwater;
- Location of service supply pipes in contaminated soils;
- Direct contact of concrete to high-sulphate soils;
- Migration and inhalation of biogases.

Off-site contamination pathways

- Migration downwards via the leaching through underlying soils (adjoining electrical substation) or via groundwater from other off-site sources, as discussed in Section 7.

8.5 Potential Receptors

The source-pathway-receptor framework was used to assess potential risks posed by identified plausible pollutant linkages.

The sources and pathways were as identified in the Conceptual Site Model whilst the receptors comprised demolition/construction workers, service maintenance workers, future site occupiers, building materials and services, groundwater and were selected to represent those receptors to which harm could be posed.

The potential receptors are presented below and comprise:

- End users of the site;
- Site operatives during demolition and redevelopment;
- Maintenance workers;
- Building materials and services;
- Buildings and confined spaces;
- Groundwater;
- Site Neighbours and the wider public.

Section 9 Conceptual Model

9.1 Tabulated Conceptual Model

Information obtained regarding the former use of the site and surrounding area was used to develop a conceptual model.

In order for any part of this conceptual model to be realised a source, pathway and receptor link must be in place and unbroken.

The Conceptual Site Model (CSM) is presented on the table below.

Tabulated Conceptual Site Model			
Potential Sources	Potential Migration Pathway	Potential Absorption Pathway	Potential Receptor
ON SITE: None	Via soils. Via groundwater in porous soils. Via anthropogenic pathways such as service trenches.	Dermal Exposure to uncovered ground. Dust or volatiles from uncovered ground becoming airborne and inhaled. Dust from the ground outside, collecting inside the building where occupants are subject to dermal exposure or contaminants become airborne and are inhaled.	Construction workers (particularly during foundation construction). Service and Maintenance Operatives. Site Occupiers. Groundwater.
OFF SITE: Historical and contemporary industries within tidally influenced environs: - heavy metals (<i>Ba, Cd, Cr, CU, Pb, Hg, Ni, V, Zn</i>); - semi-metals and non-metals (<i>As, B, Se</i>); - organic compounds such as <i>Polyaromatic Hydrocarbons (PAH), TPH, Extractable Petroleum Hydrocarbons (EPH), Volatile Organic Compounds (VOC), Semi-Volatile Organic Compounds (SVOC), BTEX.</i> <i>solvents</i> <i>lubrication oils</i> Risk: Very Low	Via soils. Via groundwater in porous soils. Via anthropogenic pathways such as service trenches.	Dermal Exposure to uncovered ground. Dust or volatiles from uncovered ground becoming airborne and inhaled. Dust from the ground outside, collecting inside the building where occupants are subject to dermal exposure or contaminants become airborne and are inhaled.	Construction workers (particularly during foundation construction). Service and Maintenance Operatives. Site Occupiers. Groundwater.

A Phase II intrusive investigation may reveal on-site sources of contamination that were not established by the Phase I Desk Study and Site Walkover.

Section 10 Recommendations

10.1 General

Based on the information obtained during the desk study and the conceptual site model derived for the site, an intrusive contaminated land investigation would be advised. This would enable the determination of the concentration of contaminants within the soil, if present, which may impact identified receptors if pathways are found.

An intrusive investigation may reveal on-site sources of contamination that were not established by the Desk Study and Site Walkover and thus require modification of the conceptual model.

10.2 Identification of Satisfied Pollutant Linkages

In order to show which of the scenarios in the Conceptual Site Model constituted satisfied pollutant linkages, a risk assessment using data from an intrusive investigation would be required.

10.3 Proposed Site Works

A Phase II Intrusive Investigation should obtain the following information:

- 1) Investigate the depth and nature of any Made Ground across the site.
- 2) Further investigate the potential for contaminants from sources identified within this Desk Study and their risk to human health.
- 3) To investigate the potential for the soils or groundwater underlying the site to be impacted by a range of commonly encountered contaminants from offsite sources (including general organics, heavy metals, PAHs and herbicides / pesticides).
- 4) To investigate the mobility of any contamination identified and their risk to groundwater.

The works to be undertaken on the site should comprise, but are not limited to, the following items:

- 1) Excavation of trial holes using JCB with back hoe excavator or similar at selected locations across the site.

In addition, as a biogas risk was posed to the site from a nearby landfill site. **A Biogas Risk Assessment must be undertaken** that will establish the actual risk to the site and whether gas protection measures will need to be incorporated into the proposed development. A Biogas Risk Assessment will require the installation of a number of monitoring wells across the site with a minimum of 6No. monitoring visits over a 3 month period targeting a range of pressures and trends.

10.4 Discovery Strategy

There may be areas of contamination not identified during the course of an intrusive investigation. Such occurrences may also be discovered during the continued site clearance and/or construction phases for the redevelopment of the site.

Groundworkers should be instructed to report to the Site Manager any evidence for such contamination; this may comprise visual indicators, such as fibrous materials within the soil; discolouration, or odours and emission. Upon discovery, advice must be taken from a suitably qualified person before proceeding, such that appropriate remedial measures and health and safety protection may be applied.

Should a new source of contamination be suspected or identified then the Engineer and if appropriate the Local Authority must be informed.

The following figures and appendices complete this report:

Figure 1

Site Location Plan

Appendix A

County Series and Ordnance Survey Maps

Appendix B

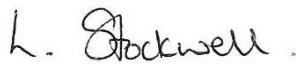
Landmark Envirocheck Report

Appendix C

Site Sensitivity Maps

Appendix D

Site Photographs



L. Stockwell BSc
Graduate Engineer



Eur Ing. R. B. Higginson B.Sc., PG. Dip., C.Eng., MICE., FGS.
Geotechnical Advisor

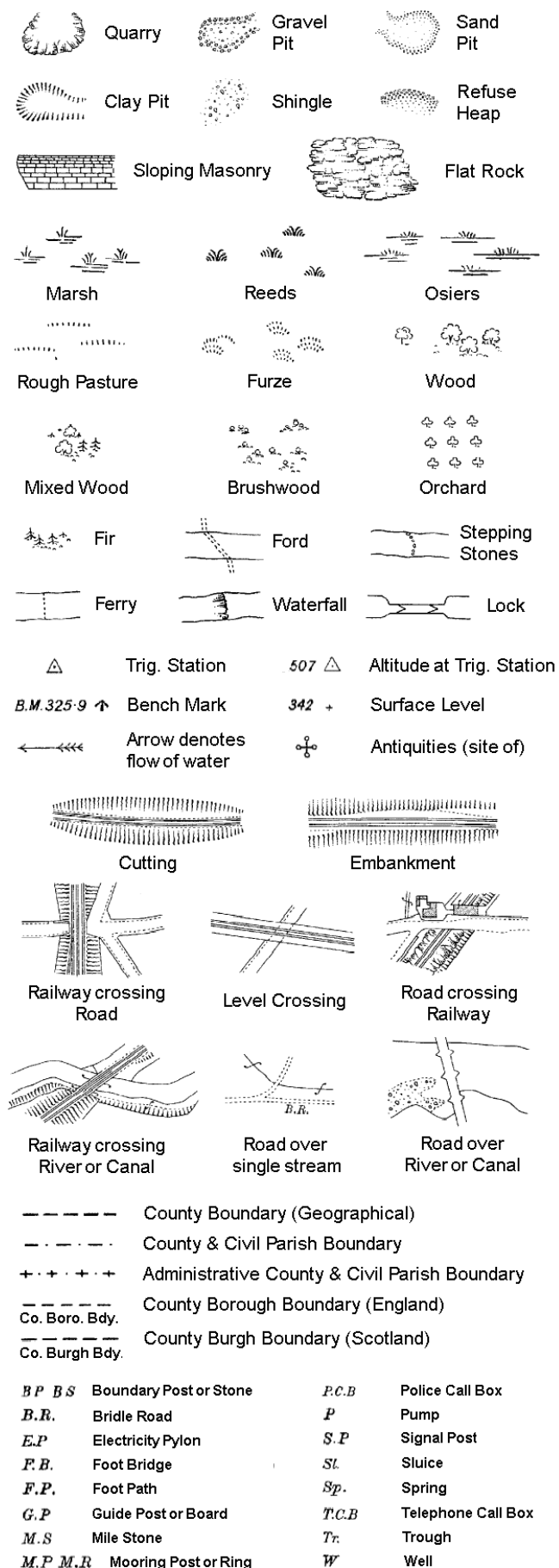


PROJECT:	DATE:	 <i>Geotechnical & Environmental Consultants</i>
Land North of Goldring Close and South of Beech Grove, Mengham, Hayling Island, PO11 9PN	May 2012	
CLIENT:	SCALE:	
Pro Vision Planning & Design	Not to scale	
TITLE:	REF:	
Figure 1: Aerial Plan	12952	

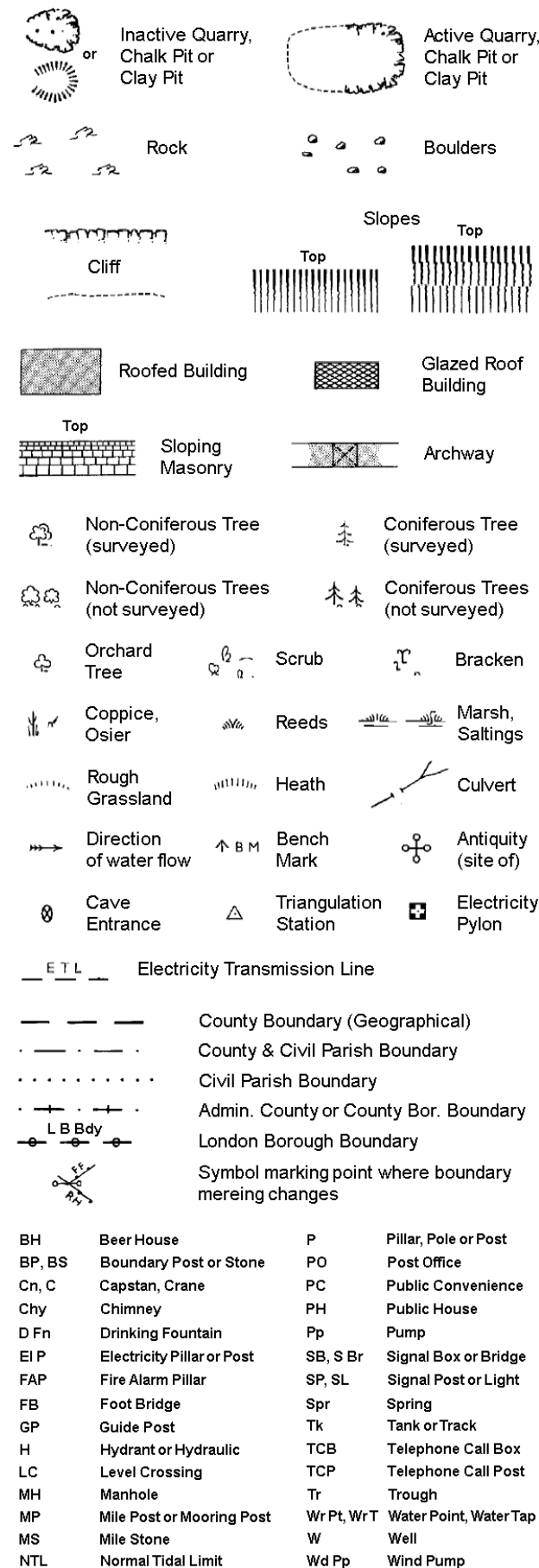
Appendix A
County Series and Ordnance Survey Maps

Historical Mapping Legends

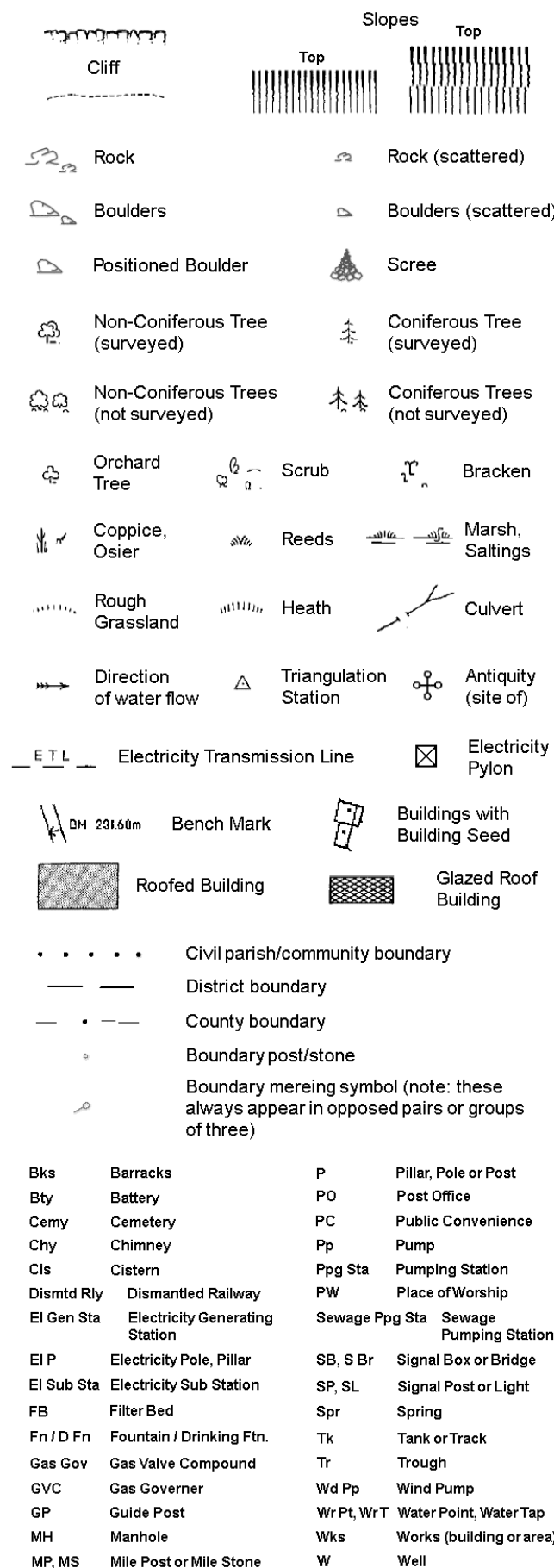
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



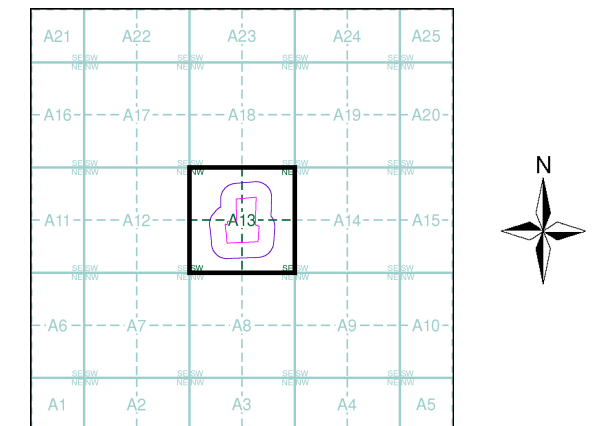
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1881	2
Hampshire & Isle Of Wight	1:2,500	1898	3
Hampshire & Isle Of Wight	1:2,500	1909	4
Hampshire & Isle Of Wight	1:2,500	1932	5
Ordnance Survey Plan	1:2,500	1970	6
Additional SIMs	1:2,500	1979	7
Ordnance Survey Plan	1:2,500	1982	8
Additional SIMs	1:2,500	1986	9
Additional SIMs	1:2,500	1989	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1996	12

Historical Map - Segment A13



Order Details

Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 100

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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

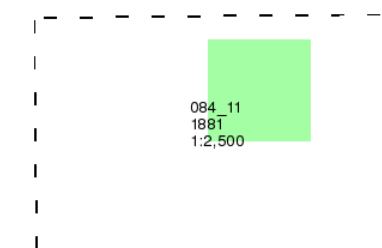
Hampshire & Isle Of Wight

Published 1881

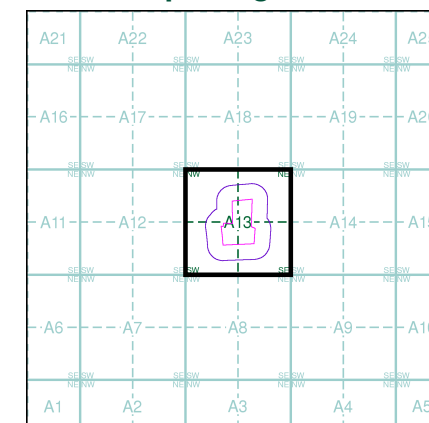
Source map scale - 1:2,500

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

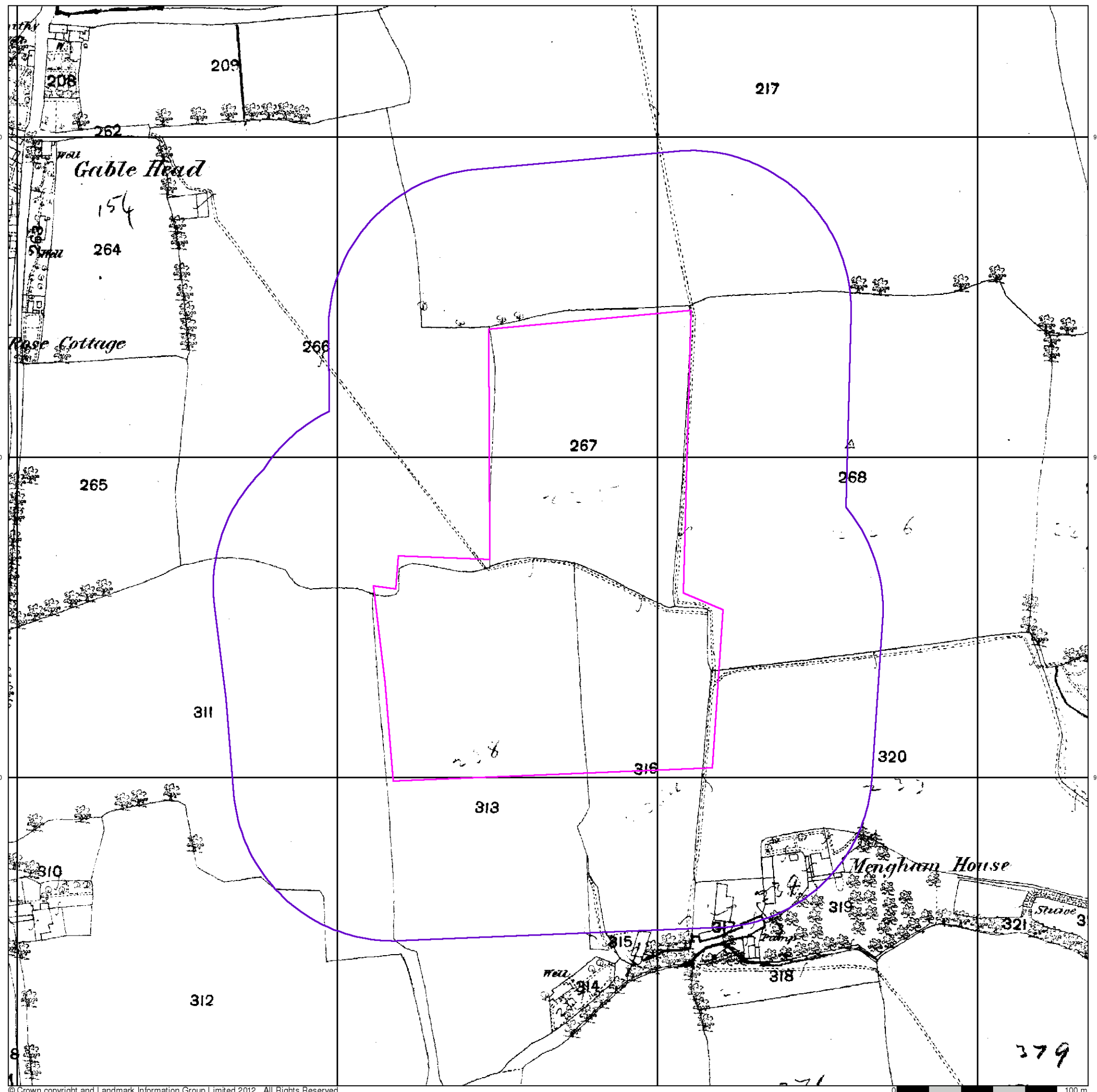


Order Details

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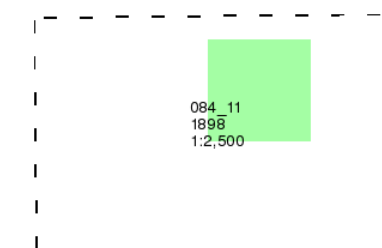
Hampshire & Isle Of Wight

Published 1898

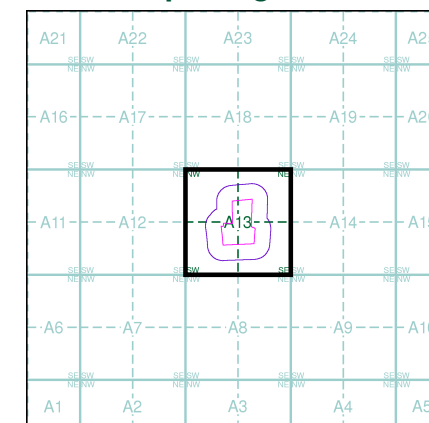
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

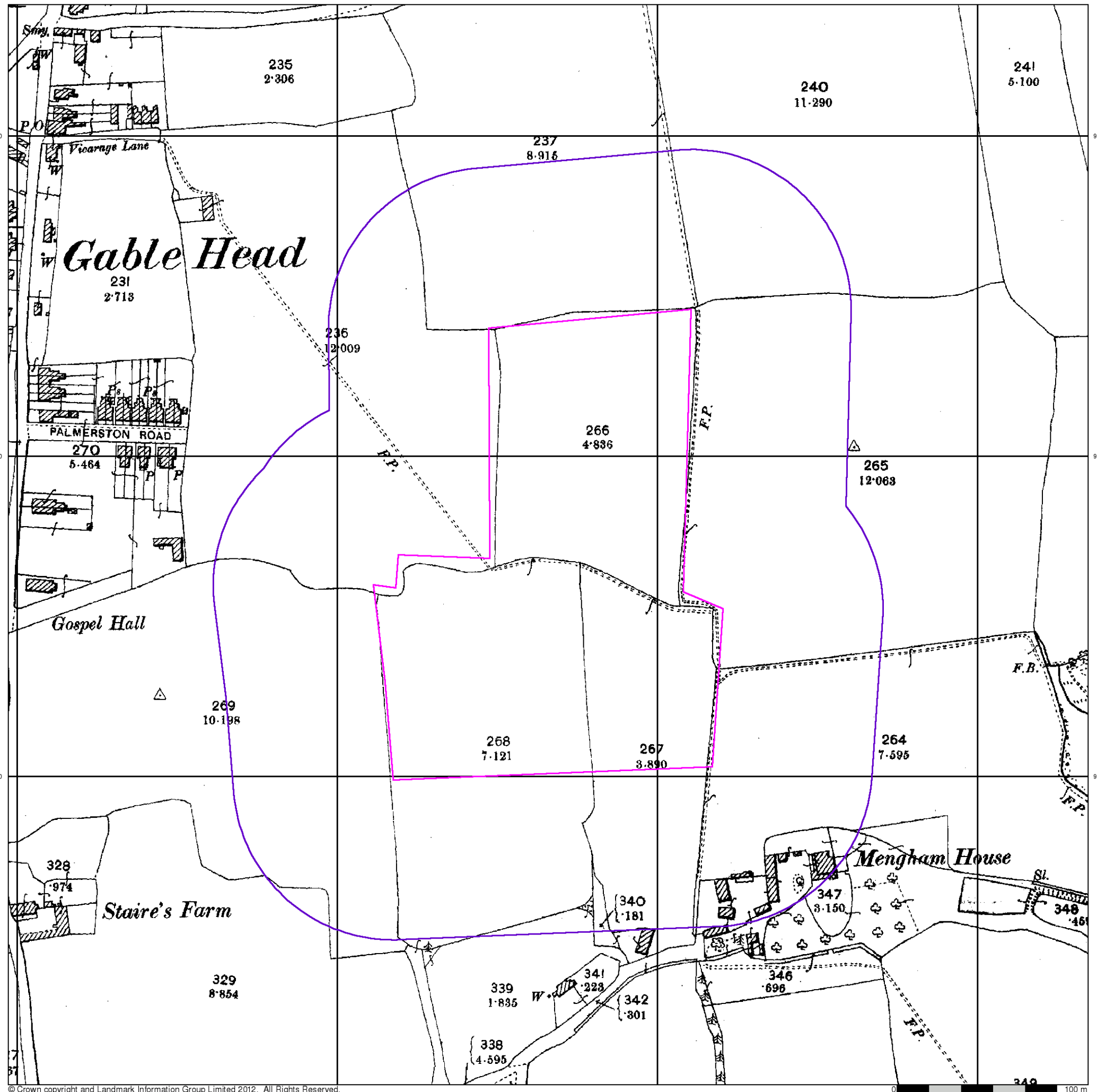
Order Number: 38655090_1_1
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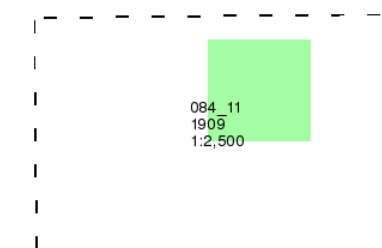
Hampshire & Isle Of Wight

Published 1909

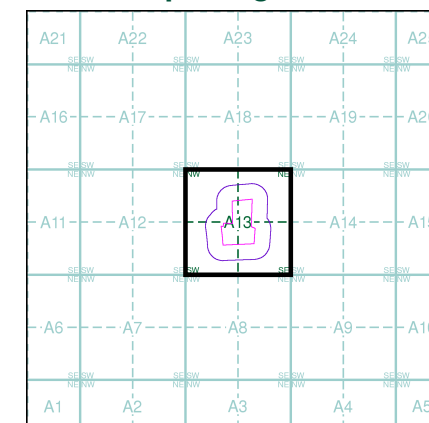
Source map scale - 1:2,500

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)



Historical Map - Segment A13



Order Details

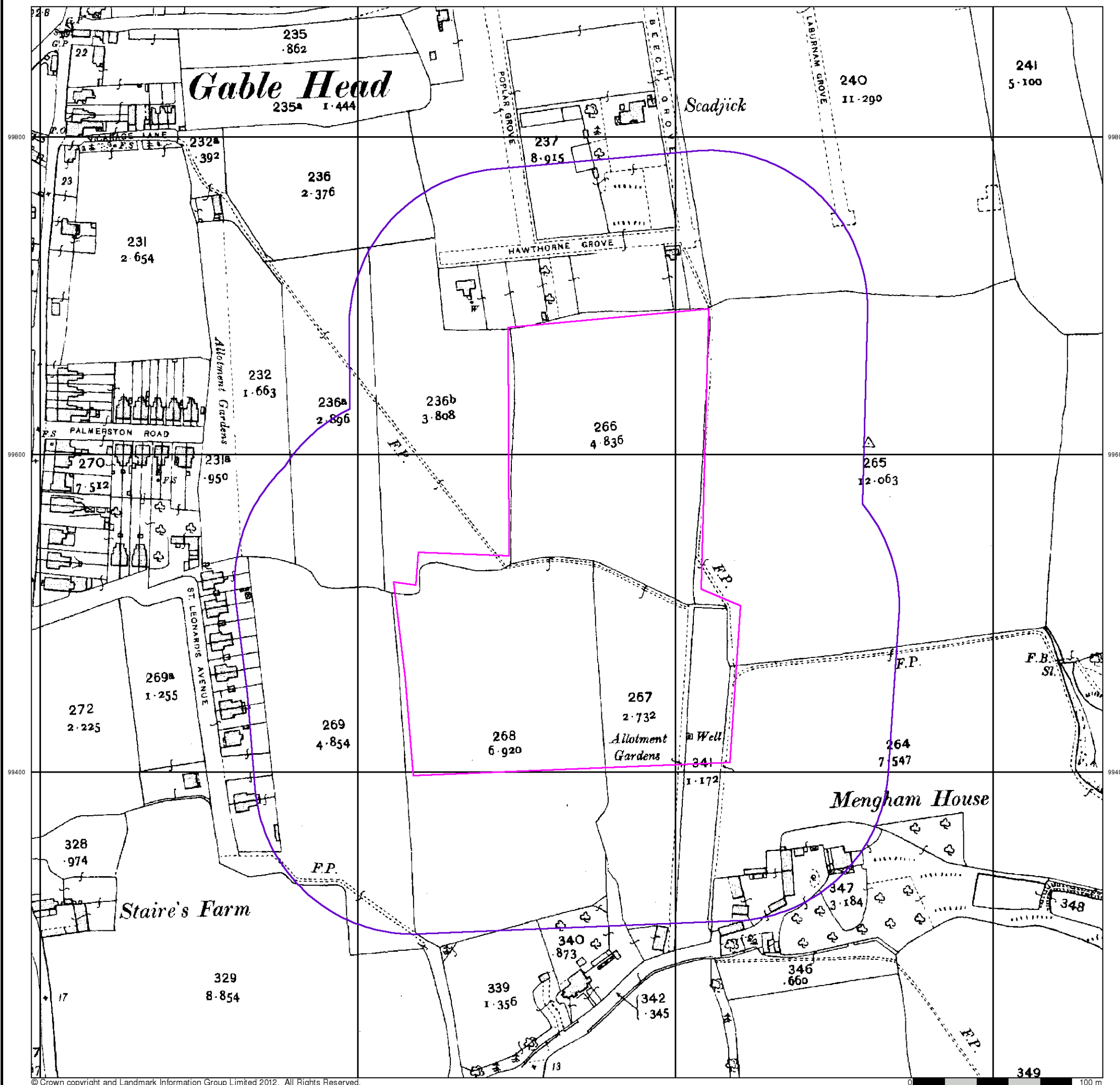
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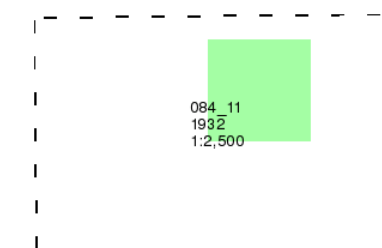
Hampshire & Isle Of Wight

Published 1932

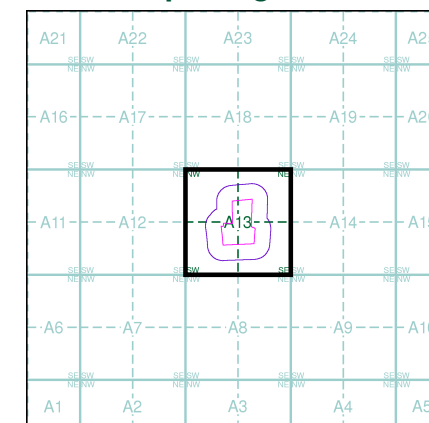
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

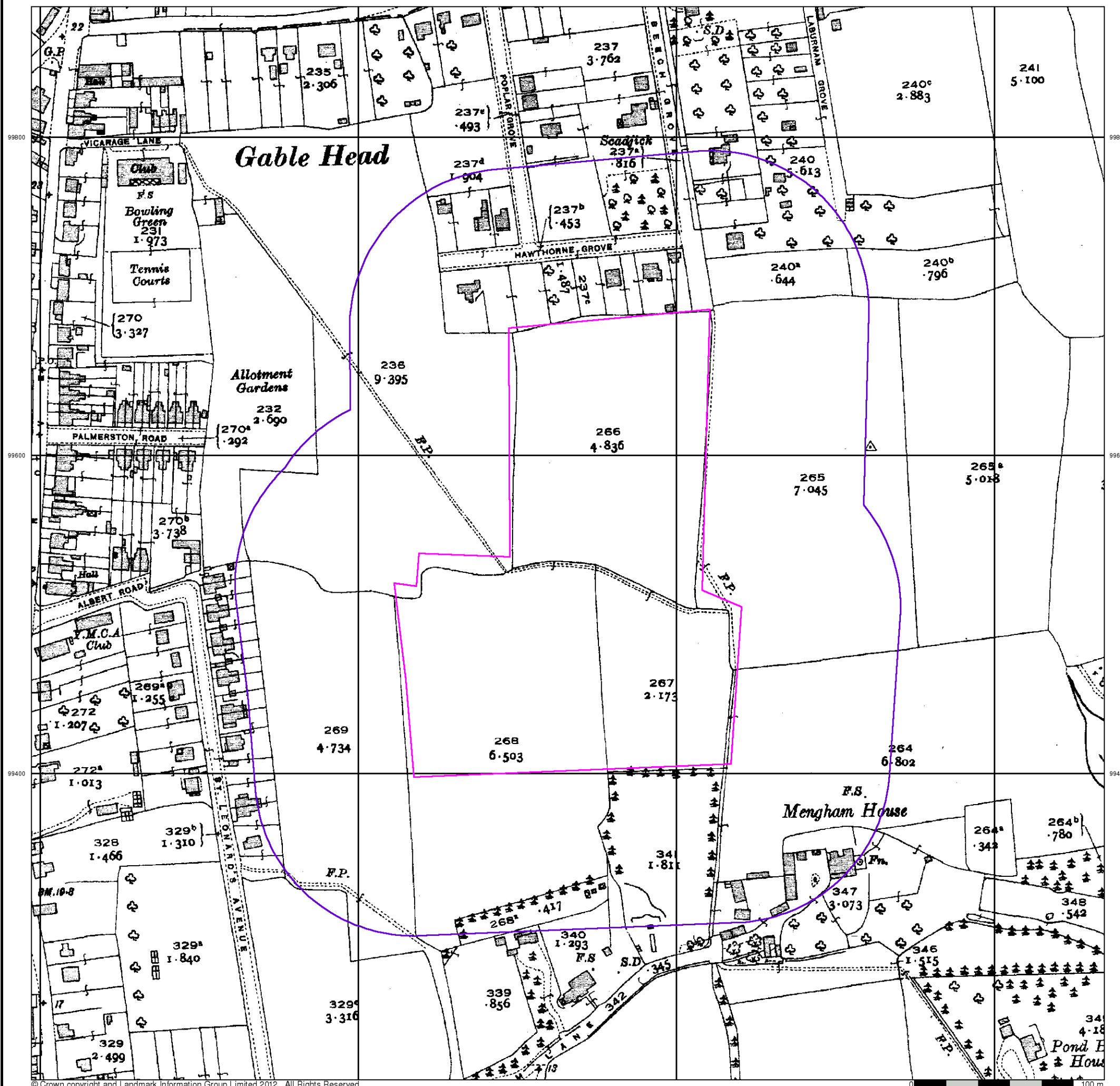
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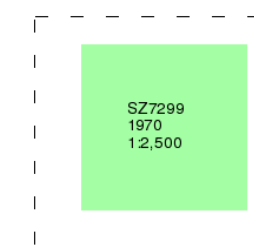
Ordnance Survey Plan

Published 1970

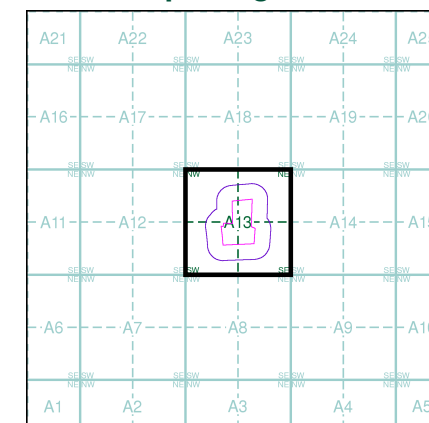
Source map scale - 1:2,500

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

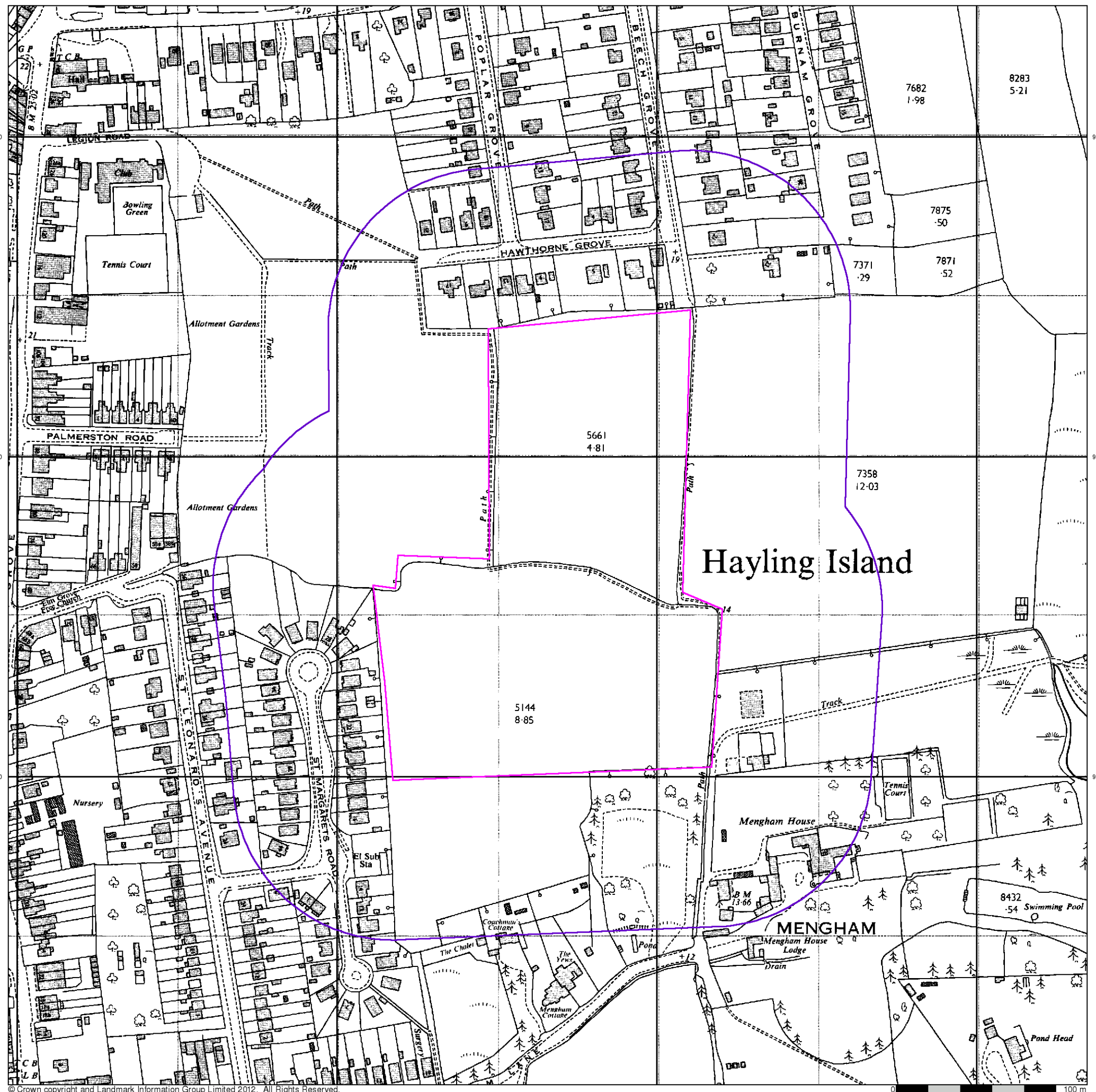
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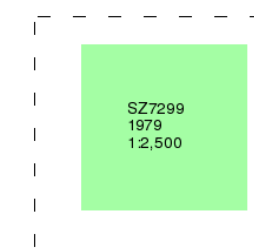
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Published 1979

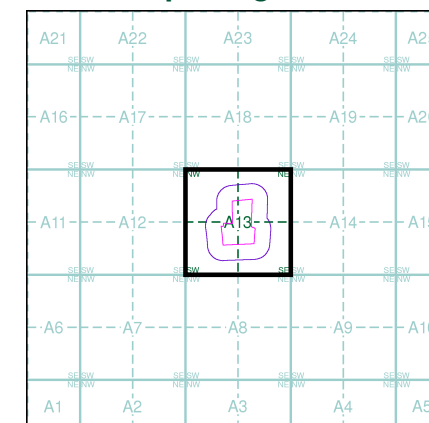
Source map scale - 1:2,500

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)



Historical Map - Segment A13

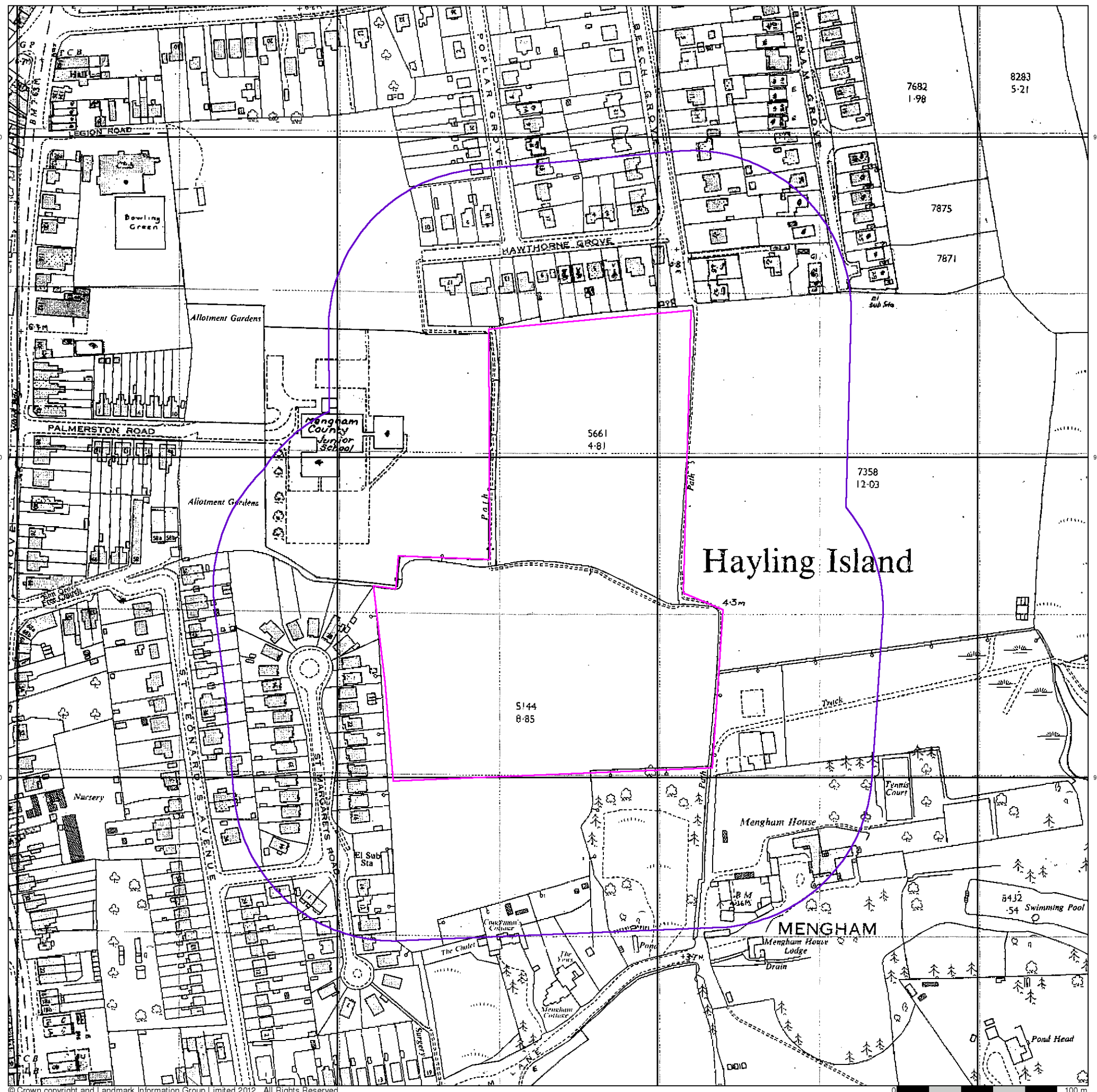


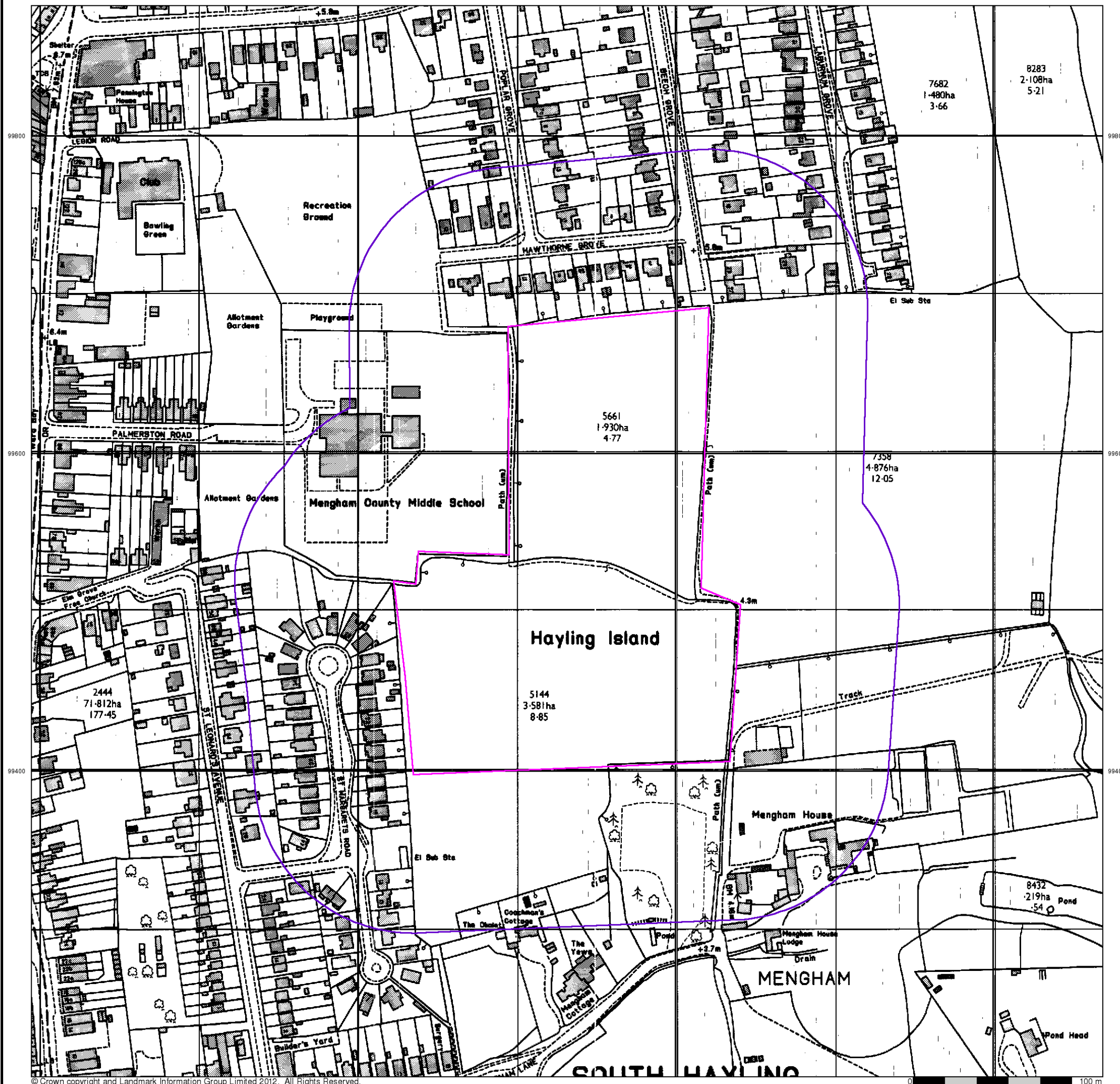
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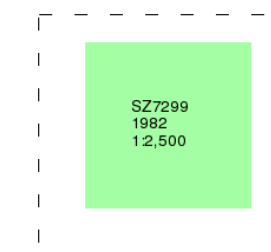
Ordnance Survey Plan

Published 1982

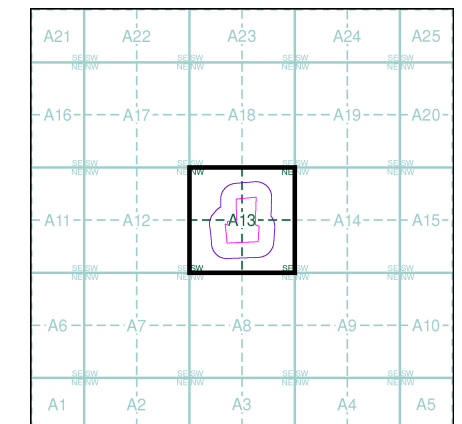
Source map scale - 1:2,500

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.

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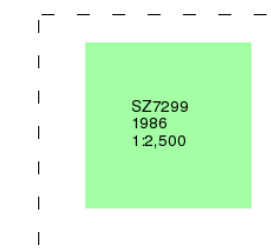
Additional SIMs

Published 1986

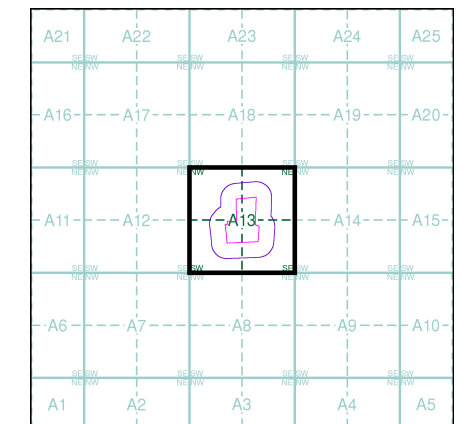
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

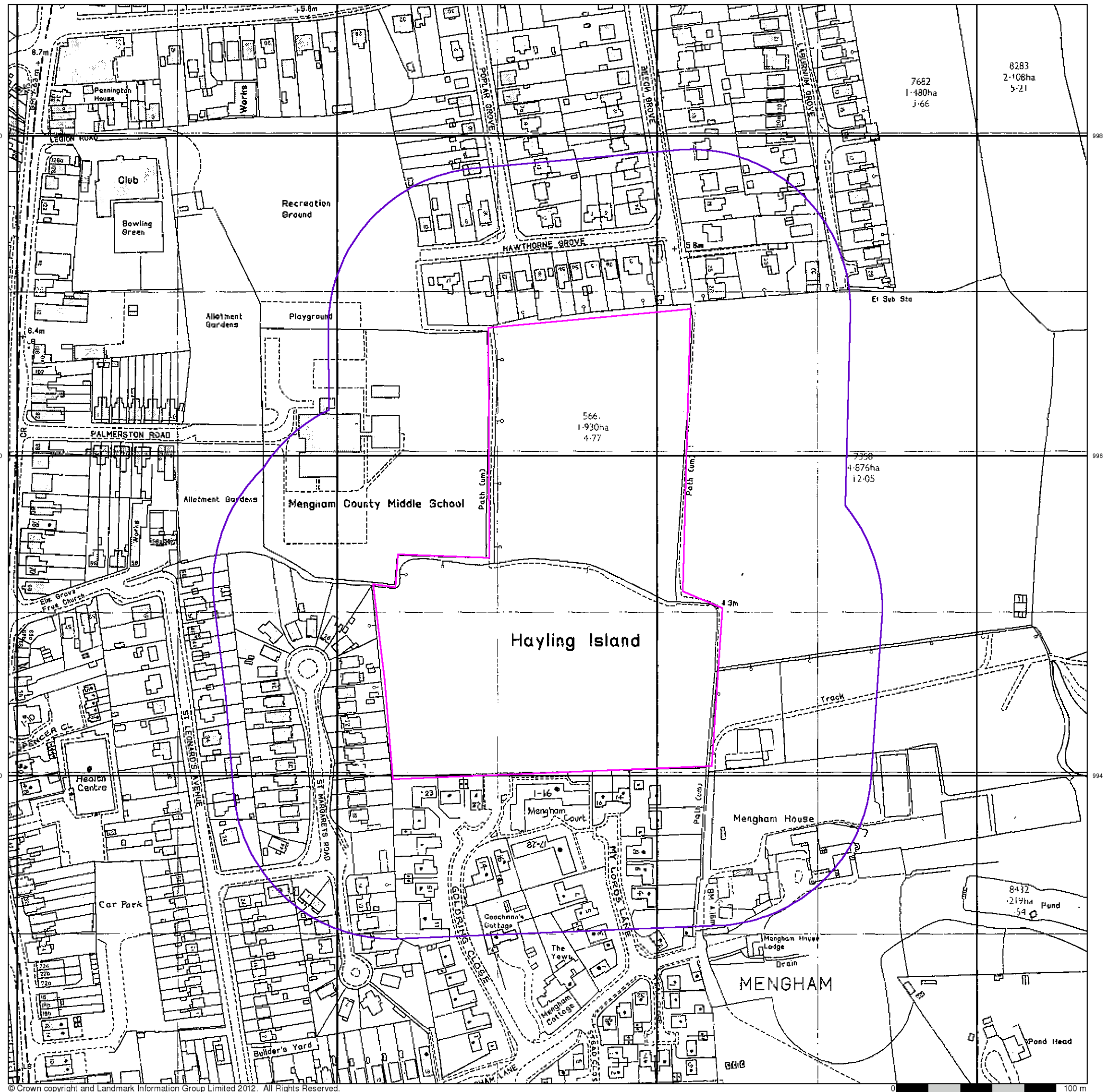
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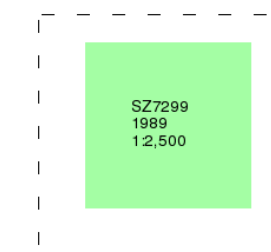
Additional SIMs

Published 1989

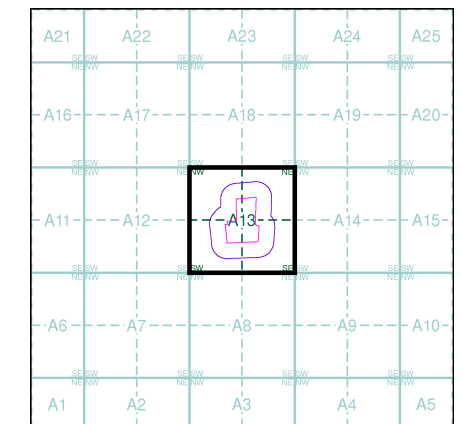
Source map scale - 1:2,500

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.

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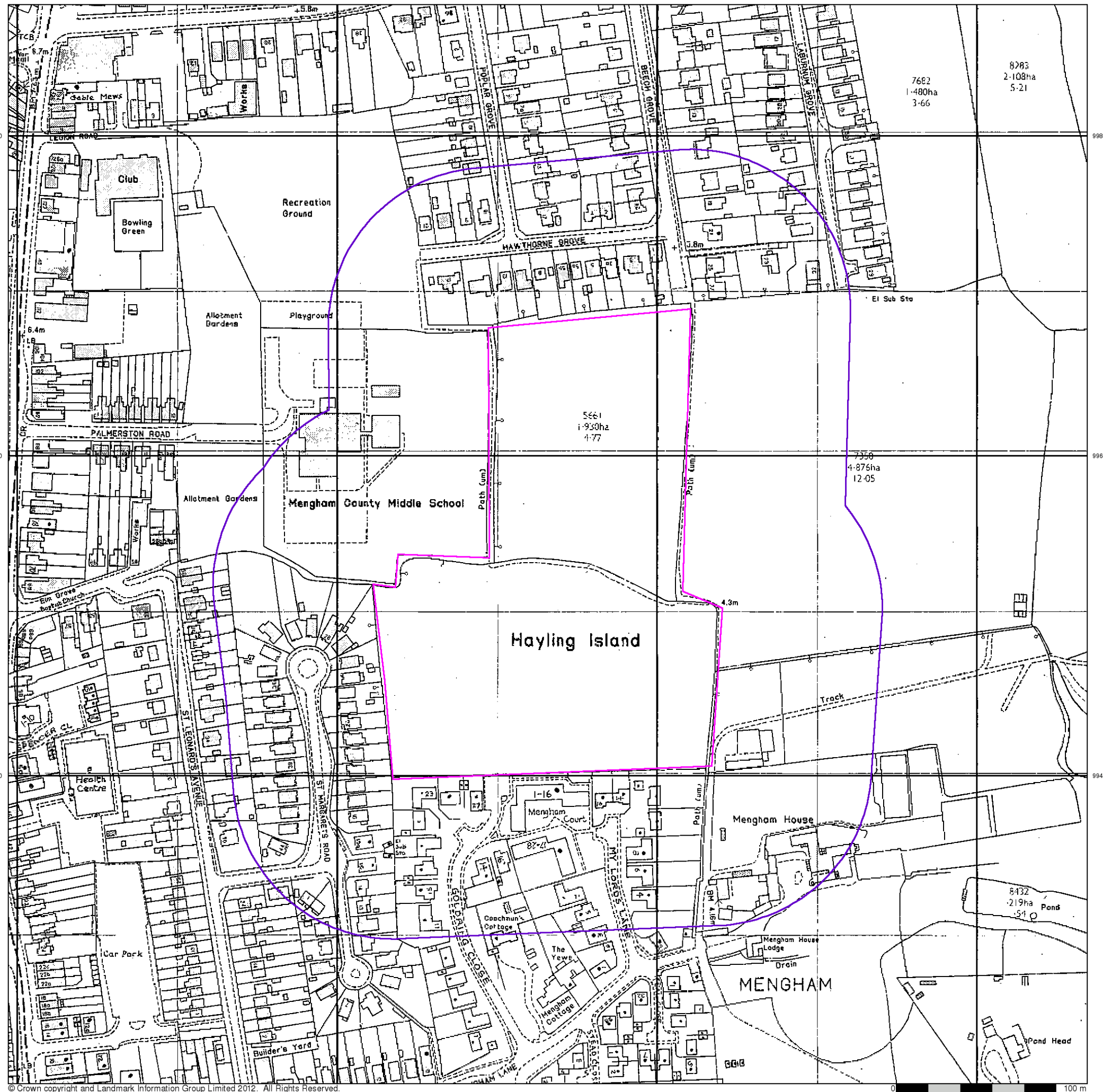
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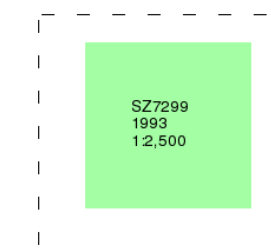
Large-Scale National Grid Data

Published 1993

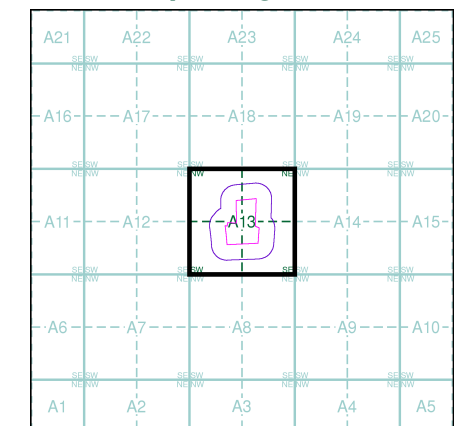
Source map scale - 1:2,500

'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

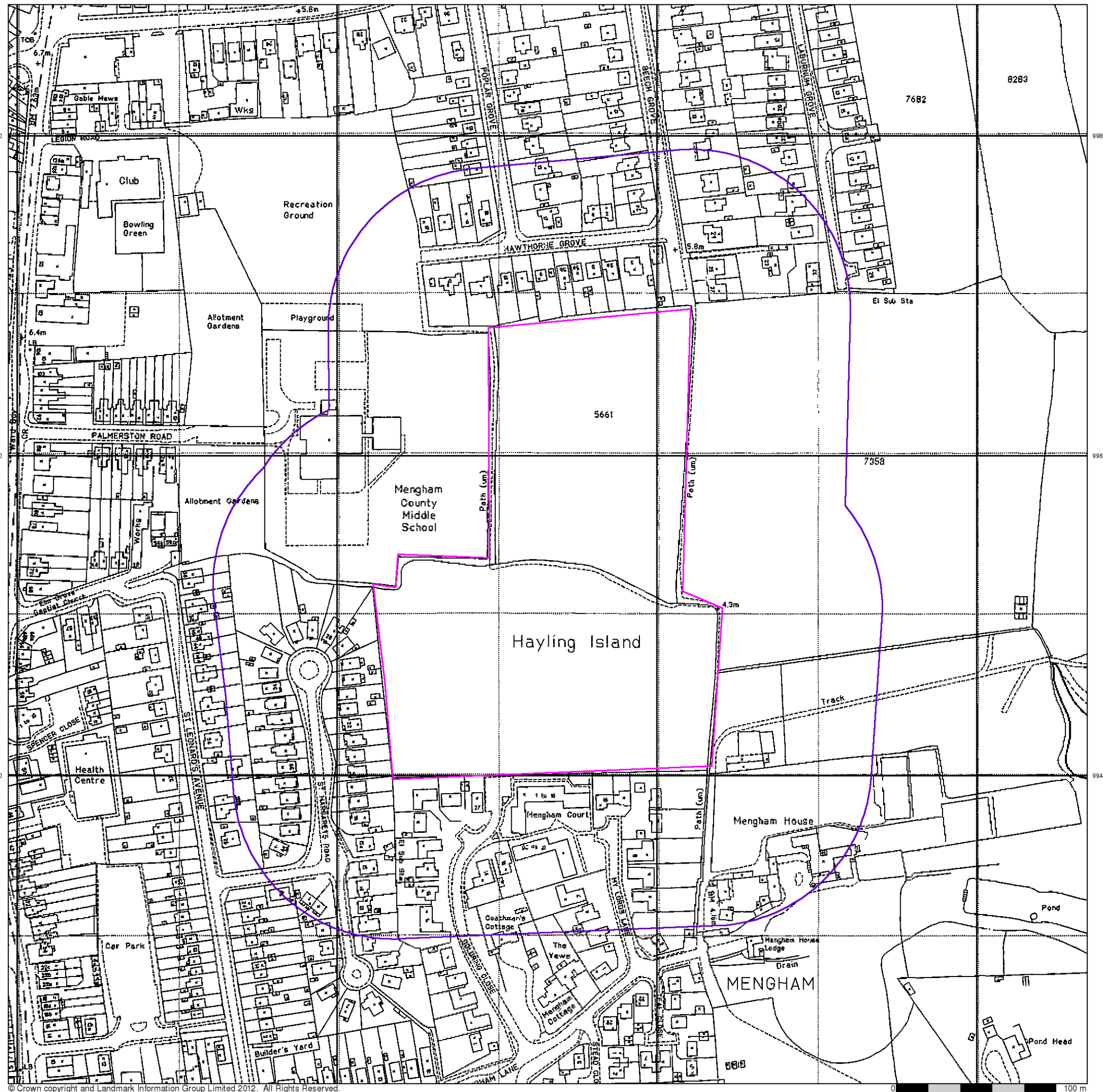
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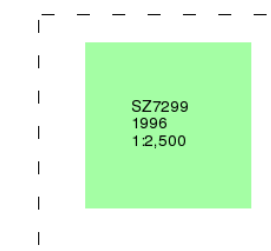
Large-Scale National Grid Data

Published 1996

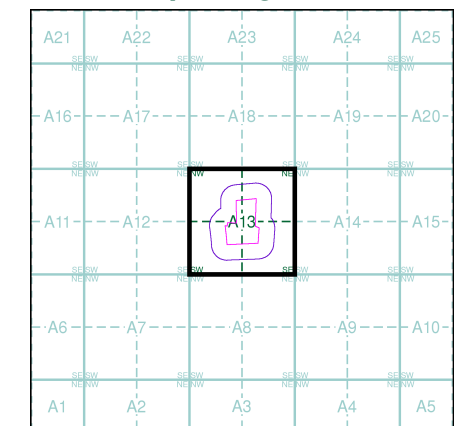
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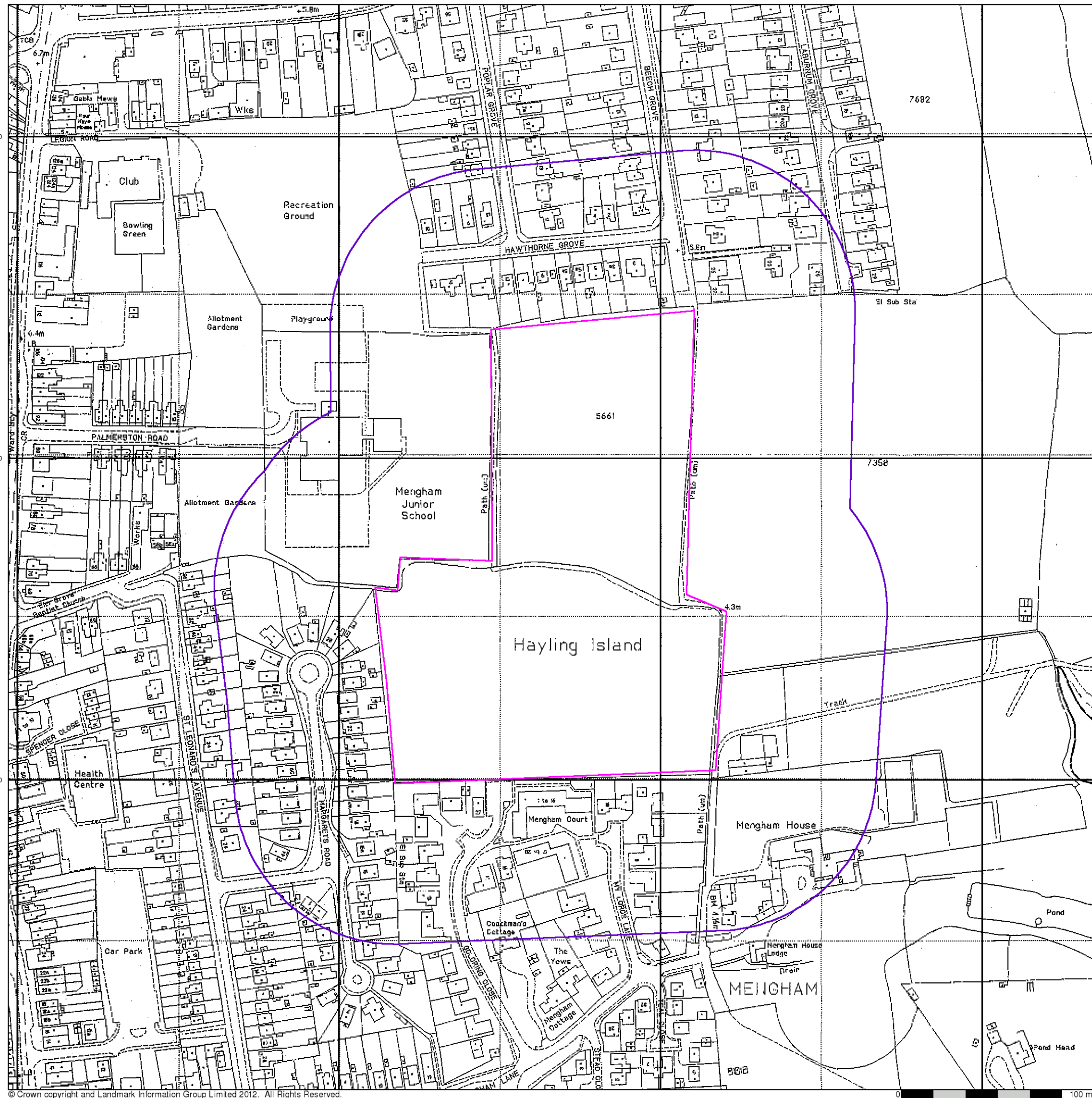
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Historical Mapping Legends

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		
	•285 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		
	BP, BS 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

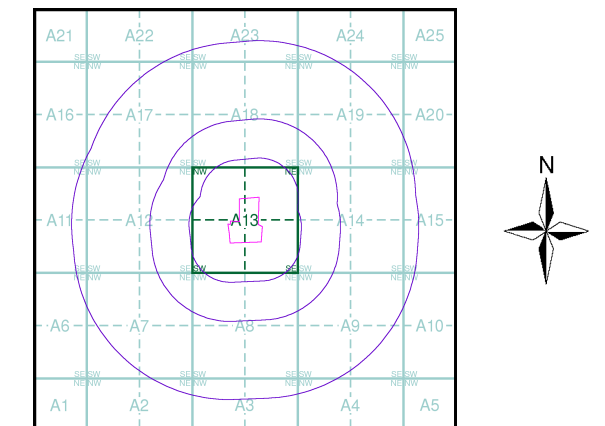
1:10,000 Raster Mapping

	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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1871	3
Sussex	1:10,560	1879	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	1913	8
Sussex	1:10,560	1913	9
Hampshire & Isle Of Wight	1:10,560	1931	10
Hampshire & Isle Of Wight	1:10,560	1938	11
Historical Aerial Photography	1:10,560	1950	12
Sussex	1:10,560	1953	13
Ordnance Survey Plan	1:10,000	1962	14
Ordnance Survey Plan	1:10,000	1972	15
Havant	1:25,000	1983	16
Portsmouth	1:10,000	1988	17
Ordnance Survey Plan	1:10,000	1991	18
10K Raster Mapping	1:10,000	2006	19
10K Raster Mapping	1:10,000	2011	20

Historical Map - Slice A



Order Details

Order Number: 38655090_1_1
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Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

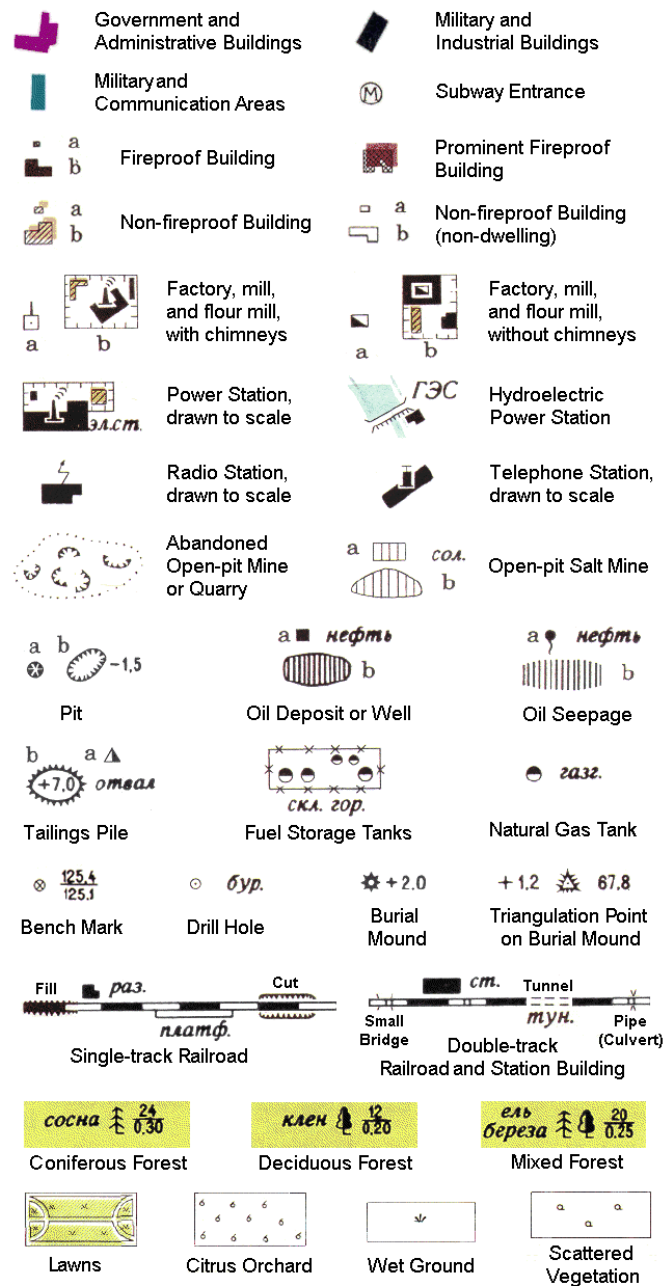
Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



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

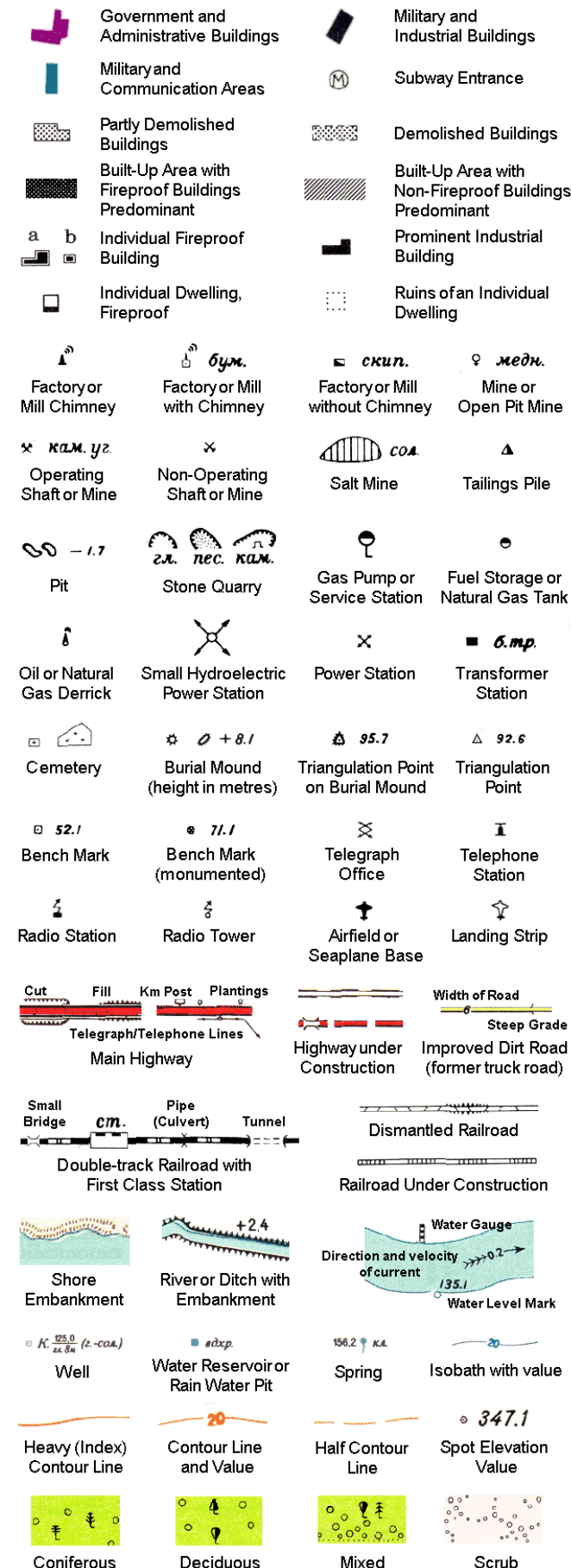
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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



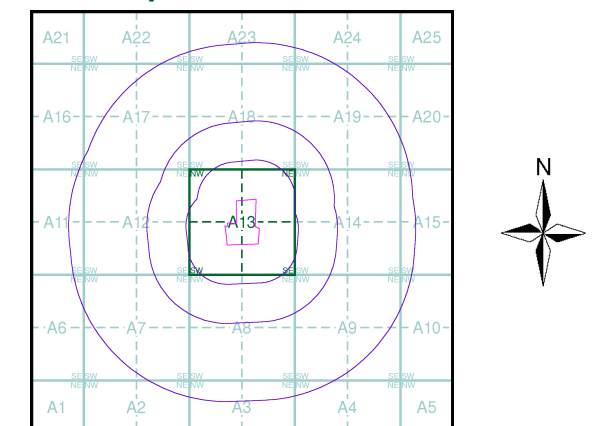
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1871	3
Sussex	1:10,560	1879	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	1913	8
Sussex	1:10,560	1913	9
Hampshire & Isle Of Wight	1:10,560	1931	10
Hampshire & Isle Of Wight	1:10,560	1938	11
Historical Aerial Photography	1:10,560	1950	12
Sussex	1:10,560	1953	13
Ordnance Survey Plan	1:10,000	1962	14
Ordnance Survey Plan	1:10,000	1972	15
Havant	1:25,000	1983	16
Portsmouth	1:10,000	1988	17
Ordnance Survey Plan	1:10,000	1991	18
10K Raster Mapping	1:10,000	2006	19
10K Raster Mapping	1:10,000	2011	20

Russian Map - Slice A



Order Details

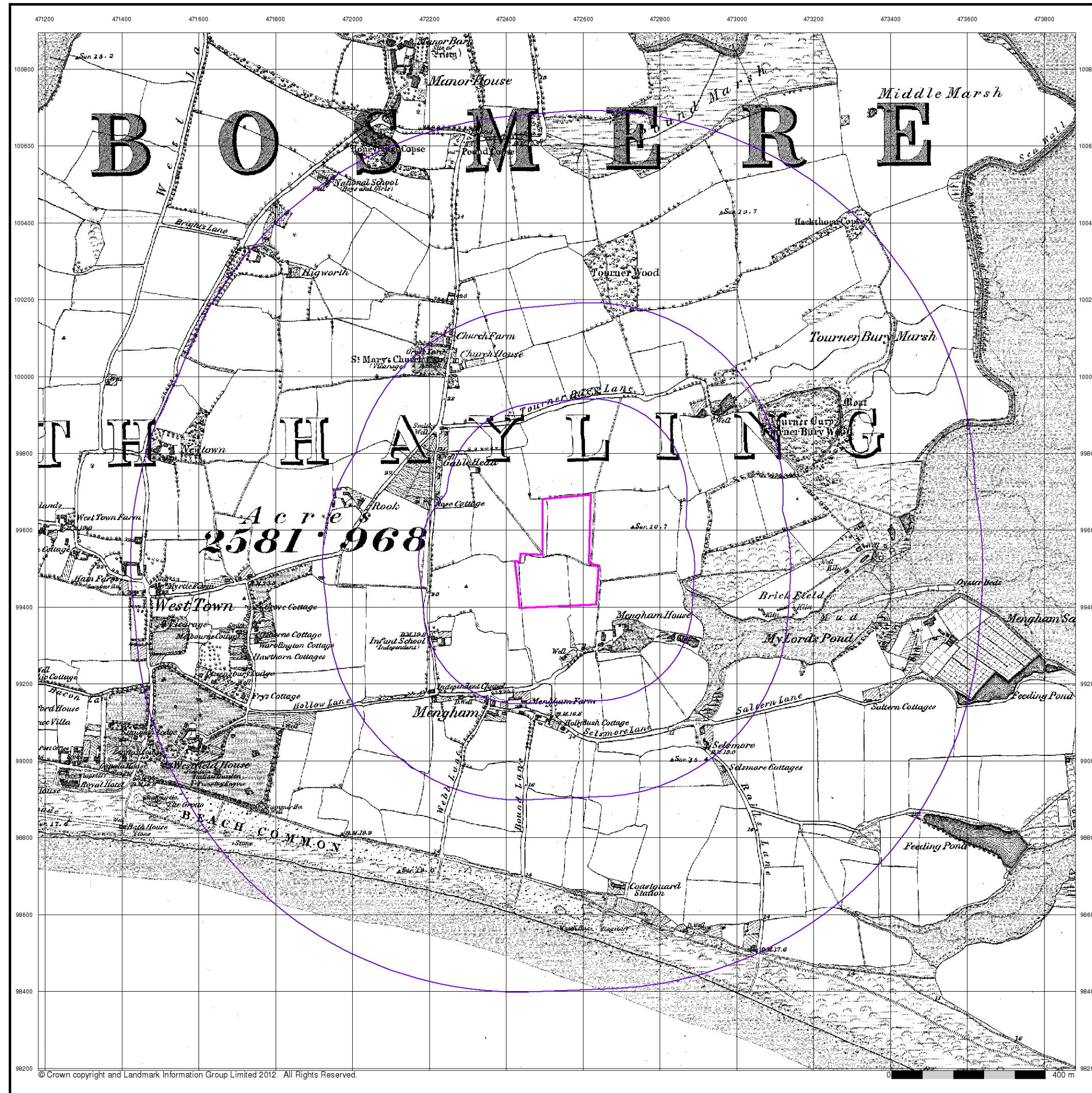
Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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 Fax: 0844 844 9951
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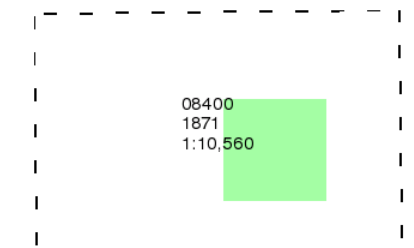
Hampshire & Isle Of Wight

Published 1871

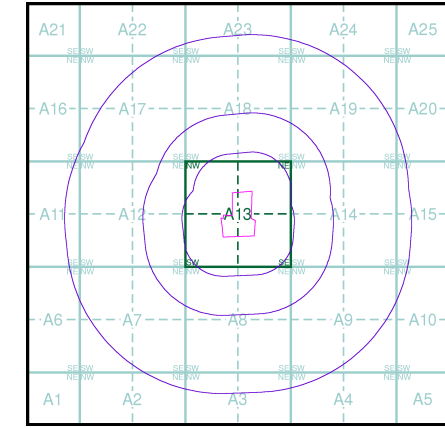
Source map scale - 1:10,560

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

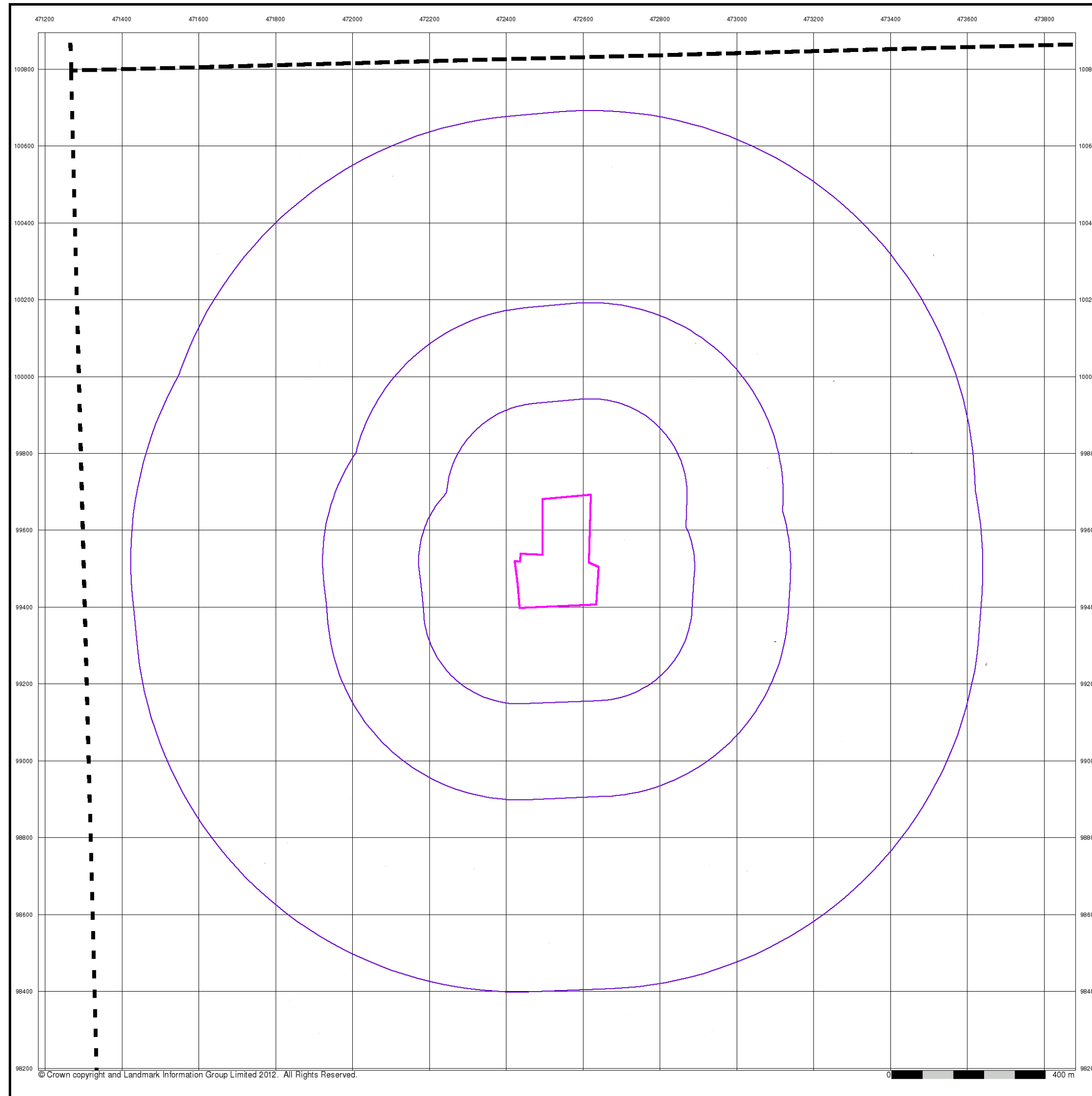
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Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mencham, HAYLING ISLAND, Hampshire, PO11 9BP



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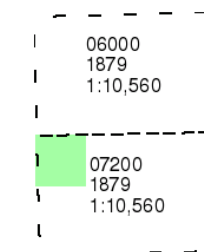
Sussex

Published 1879

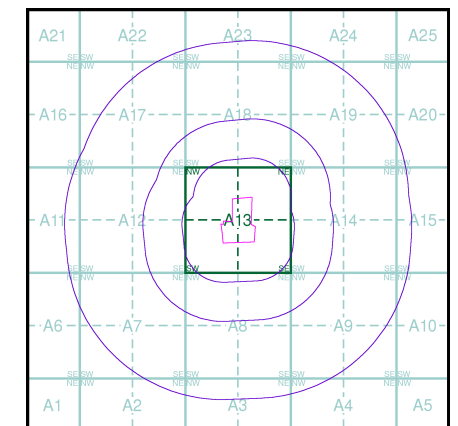
Source map scale - 1:10,560

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

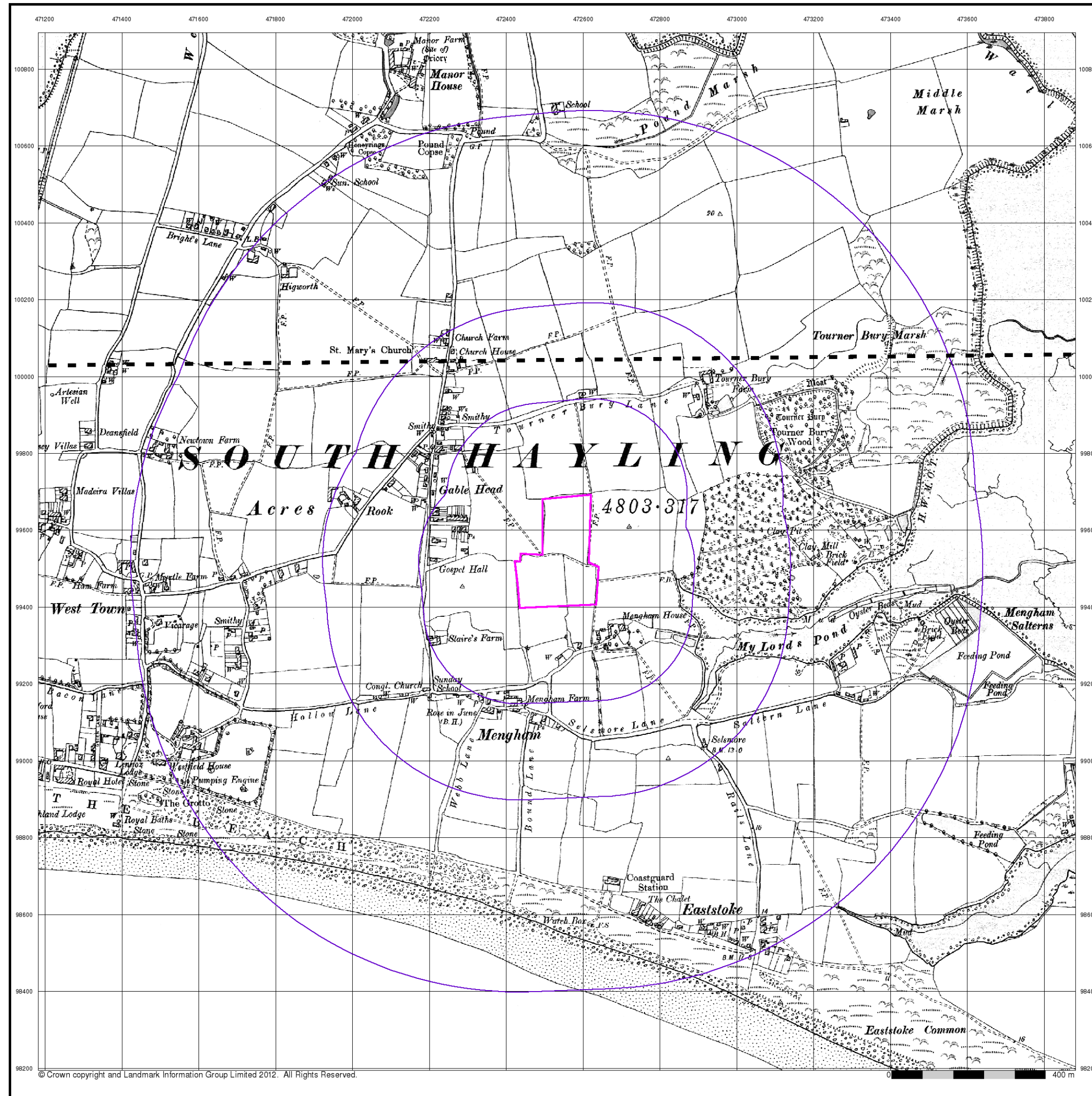
Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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Hampshire & Isle Of Wight

Published 1898

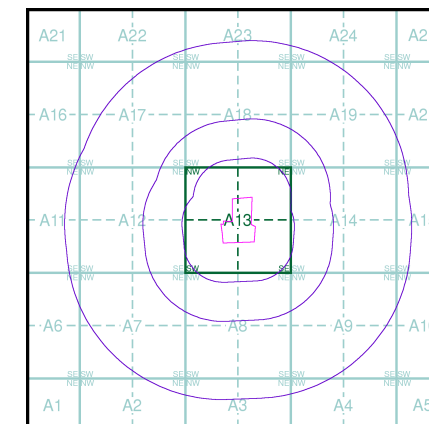
Source map scale - 1:10,560

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)

084NE
1898
1:10,560
084SE
1898
1:10,560

Historical Map - Slice A



Order Details

Order Number:	38655090_1_1
Customer Ref:	12925
National Grid Reference:	472540, 99530
Slice:	A
Site Area (Ha):	4.59
Search Buffer (m):	1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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

Sussex

Published 1899

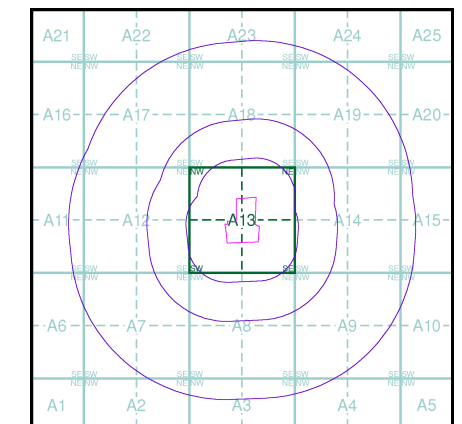
Source map scale - 1:10,560

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)

060SW 1899 1:10,560
072NW 1899 1:10,560

Historical Map - Slice A

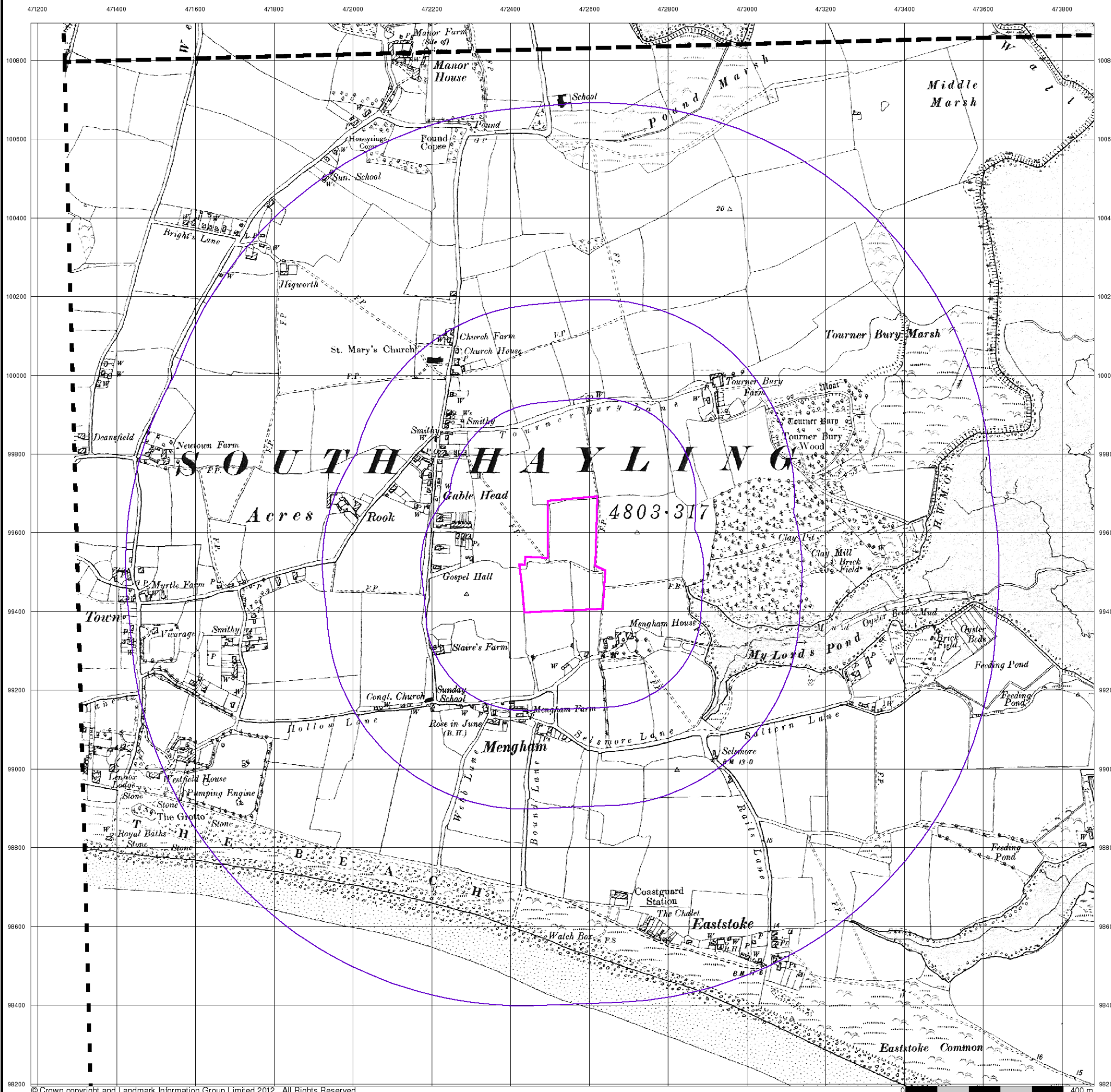


Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



Hampshire & Isle Of Wight

Published 1910

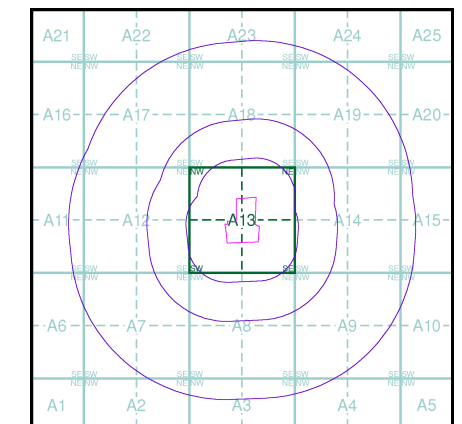
Source map scale - 1:10,560

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)

084NE	1910	1:10,560
084SE	1910	1:10,560

Historical Map - Slice A

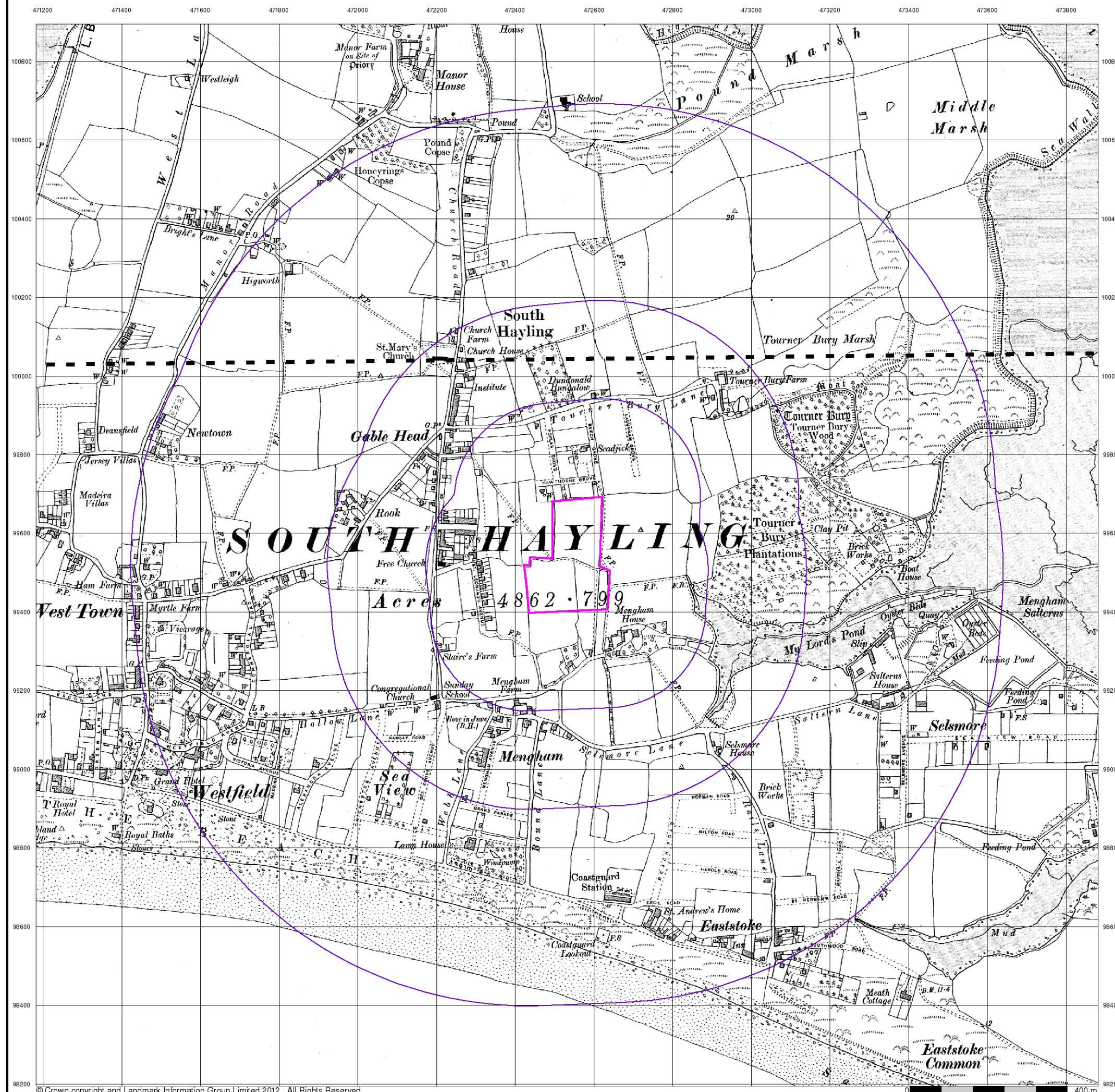


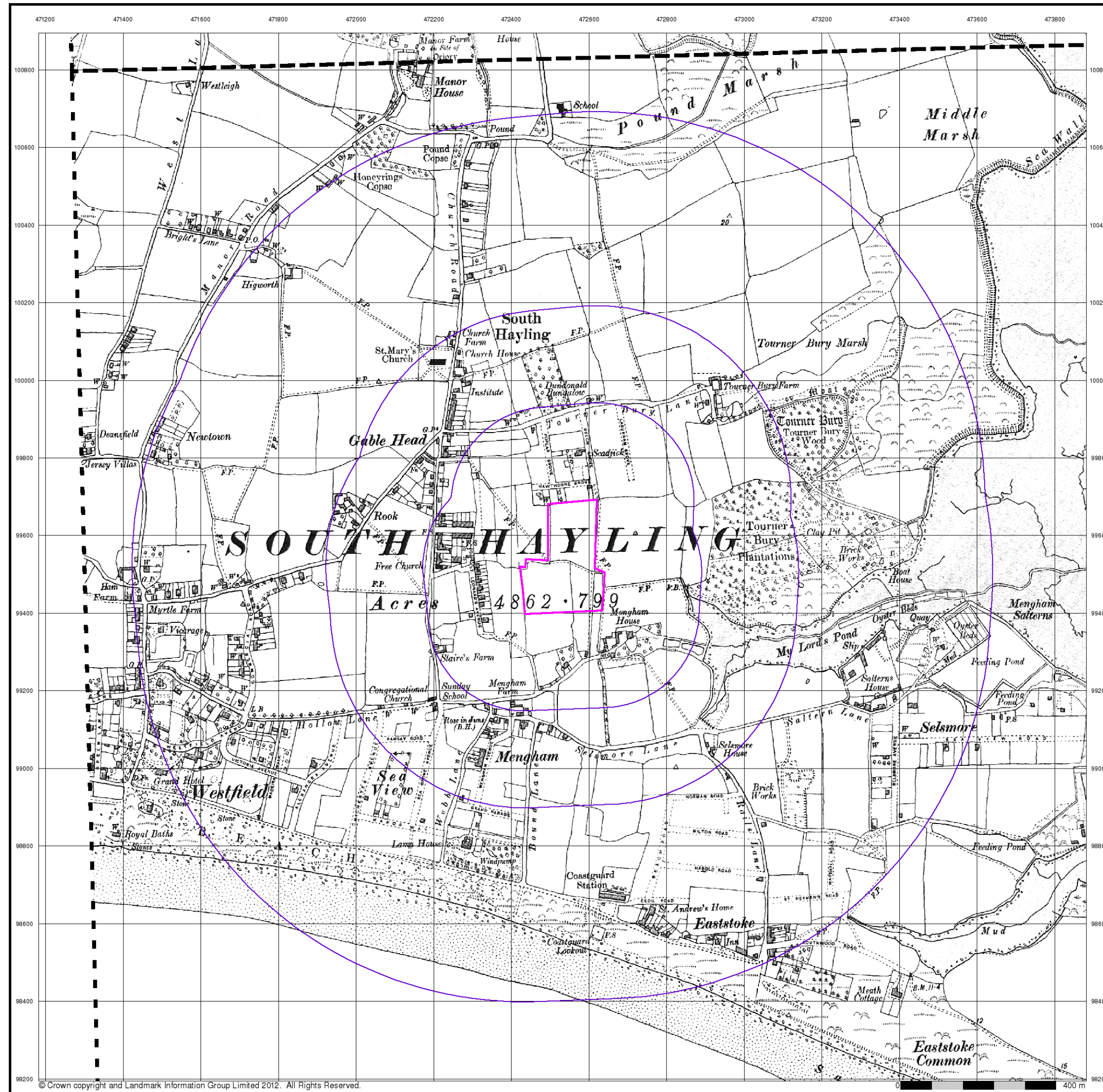
Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
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 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

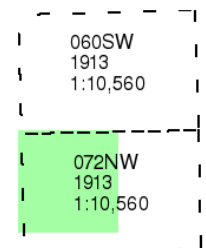




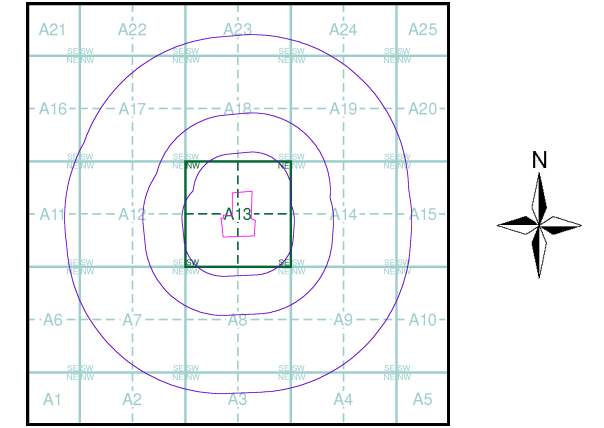
Sussex
Published 1913
Source map scale - 1:10,560

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)



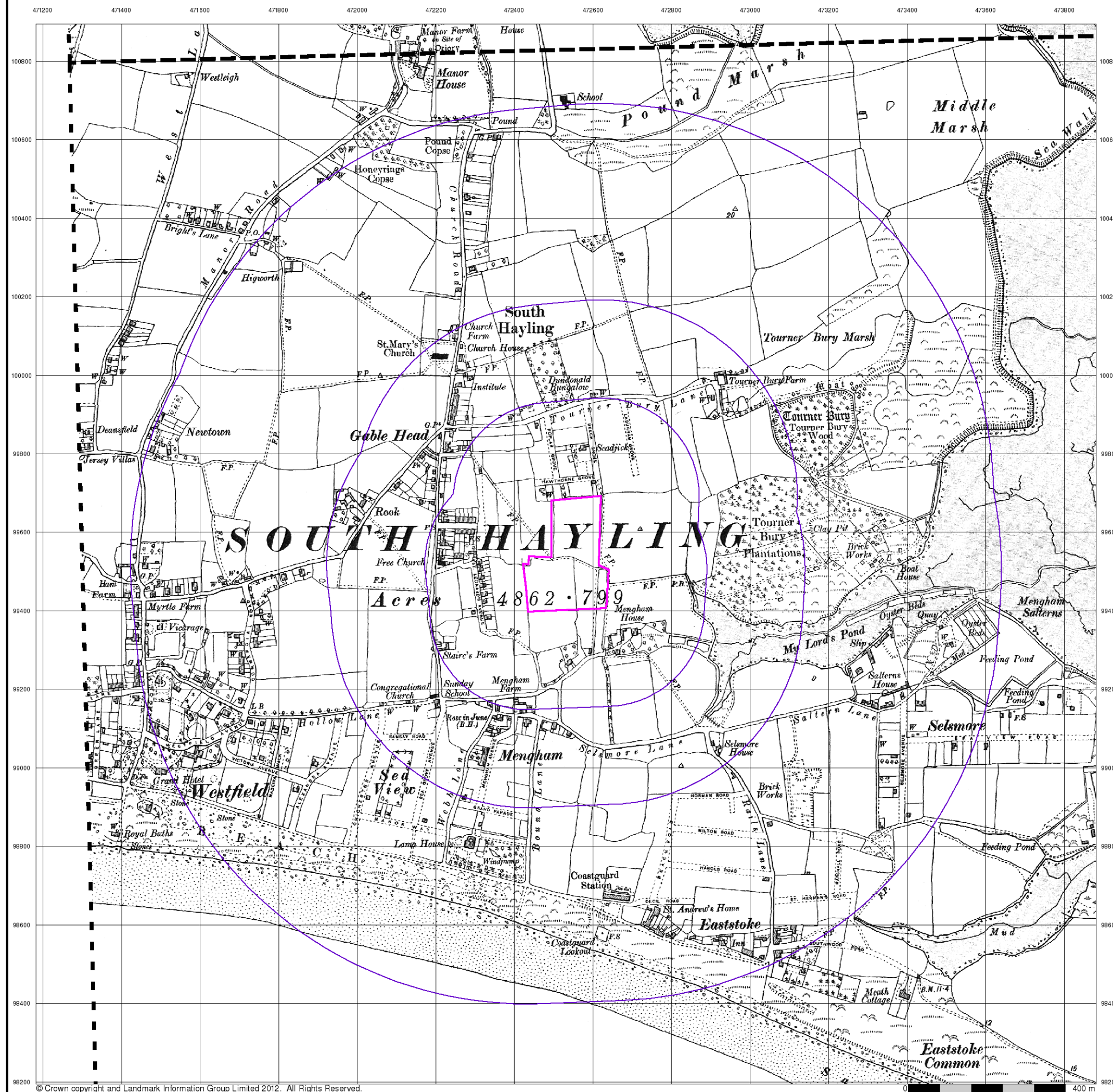
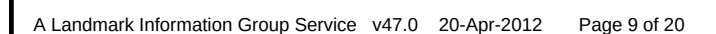
Historical Map - Slice A



Order Details
Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details
Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP





Hampshire & Isle Of Wight

Published 1931

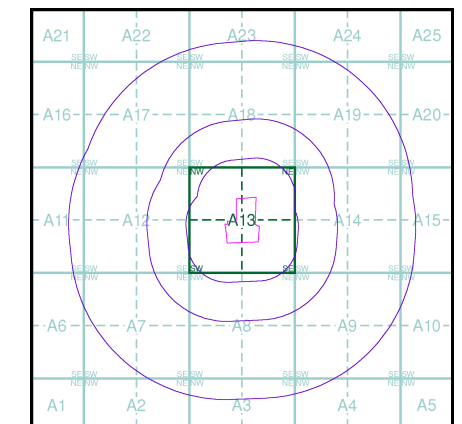
Source map scale - 1:10,560

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)

084NE	1931	1:10,560
084SE	1931	1:10,560

Historical Map - Slice A

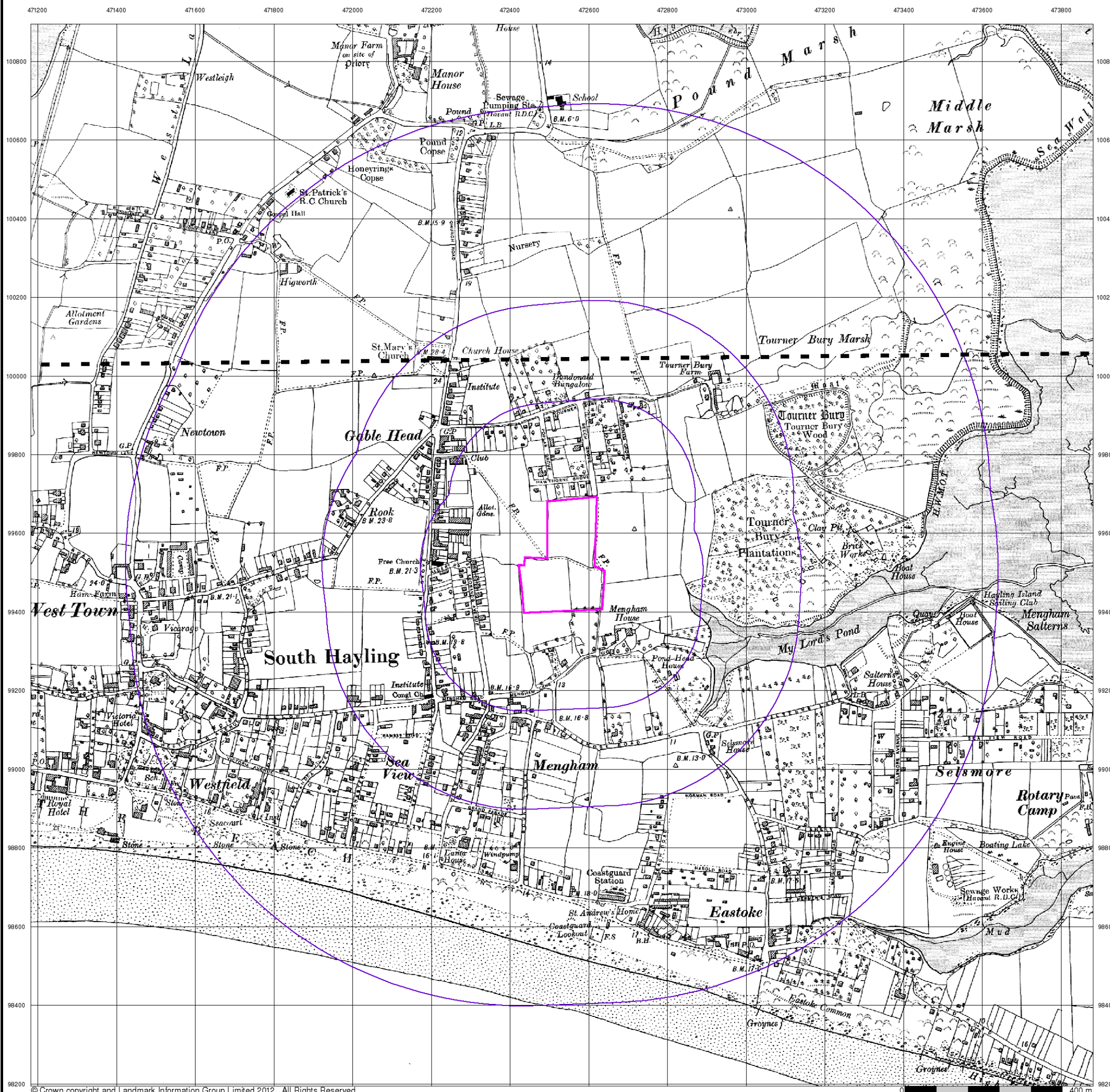


Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



Hampshire & Isle Of Wight

Published 1938

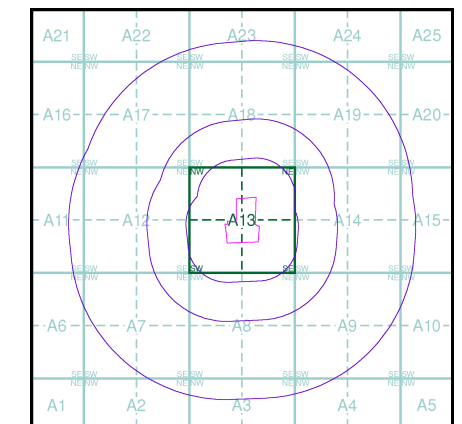
Source map scale - 1:10,560

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)

084NE	1938	1:10,560
084SE	1938	1:10,560

Historical Map - Slice A

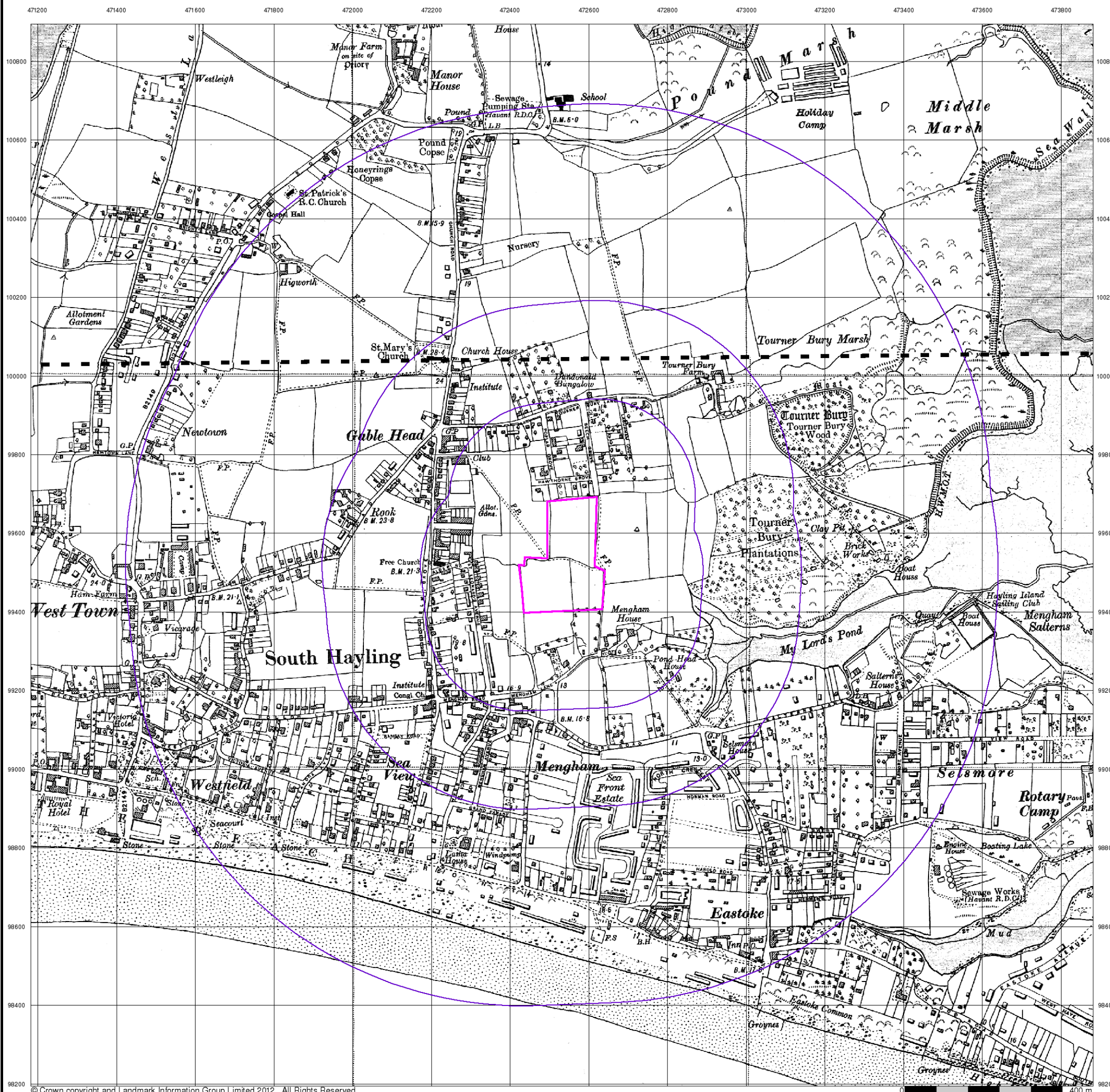


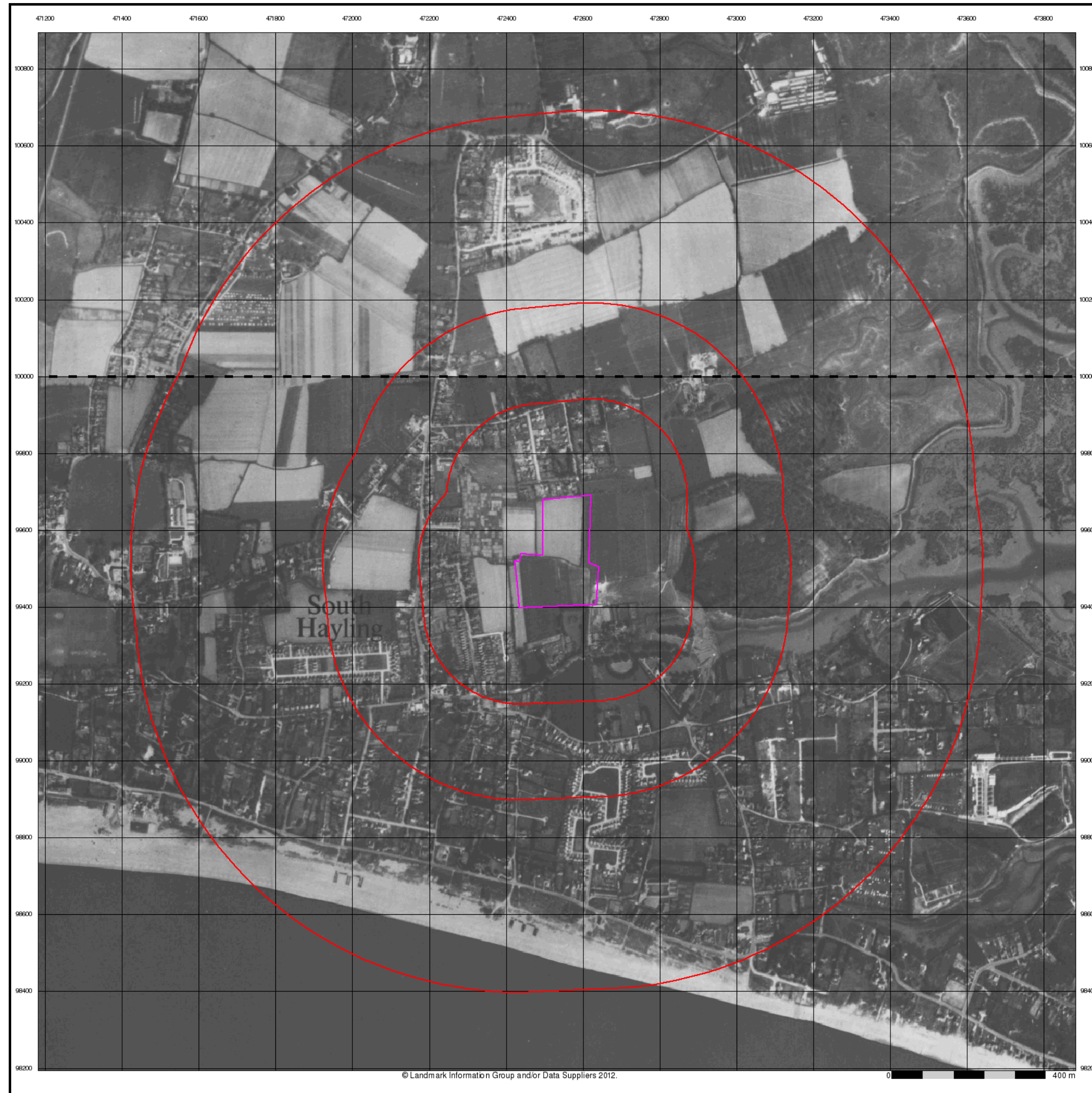
Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP





Historical Aerial Photography

Published 1950

Source map scale - 1:10,560

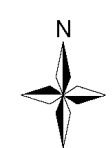
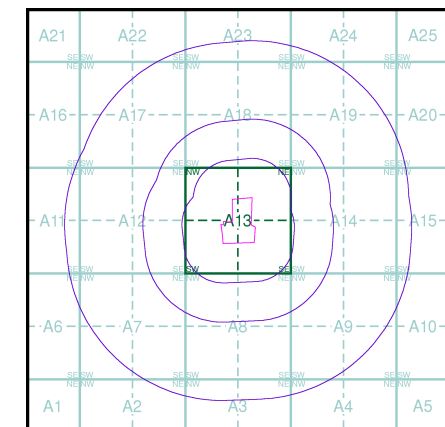
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

SU 70 SW
1950
1:10,560
SZ 79 NW
1950
1:10,560

Historical Aerial Photography - Slice A



LIBRARY
HSILIRB

Order Details

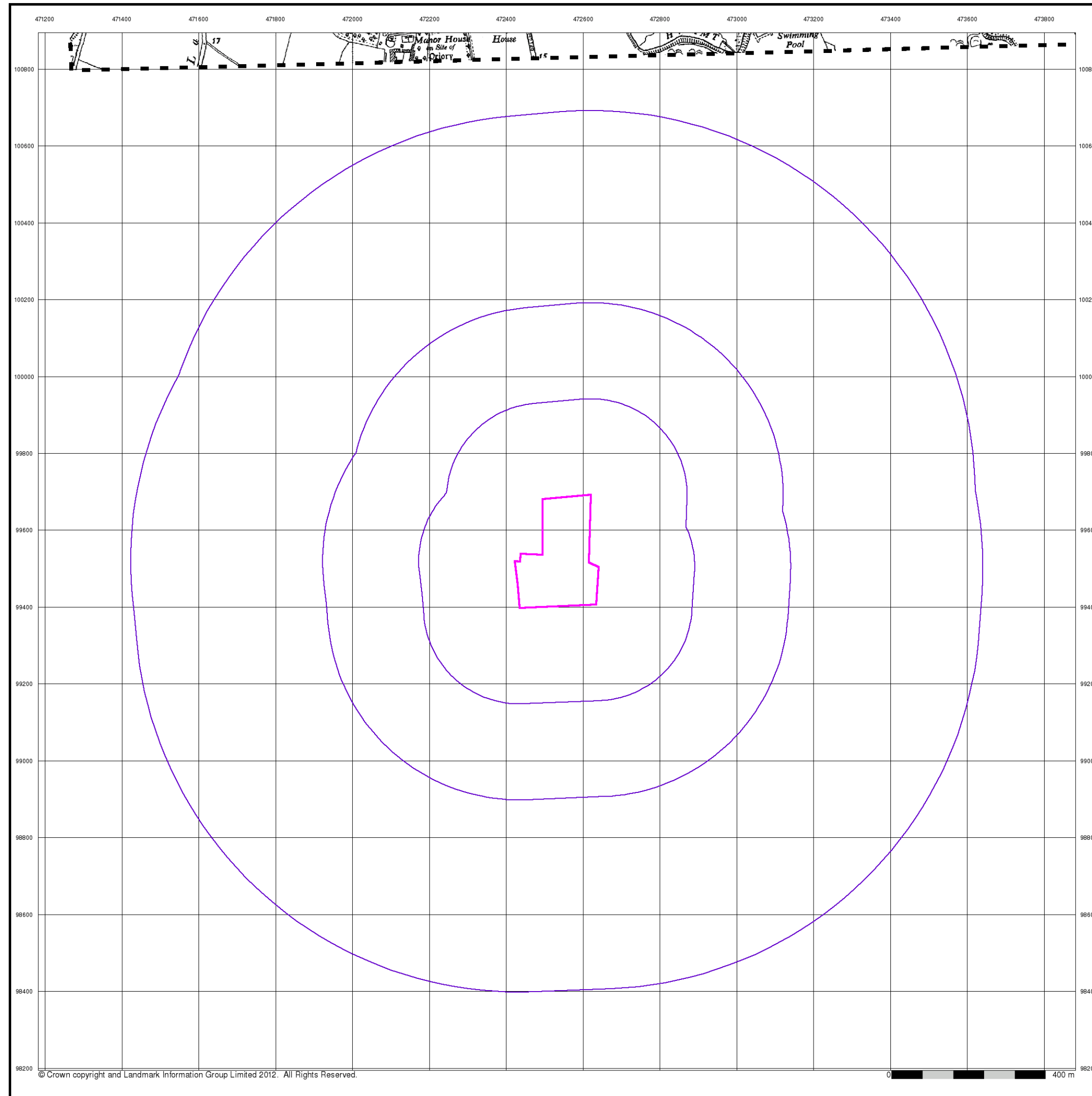
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Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
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Site Details

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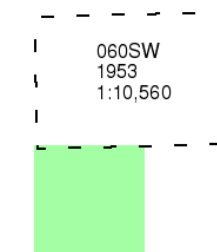
Sussex

Published 1953

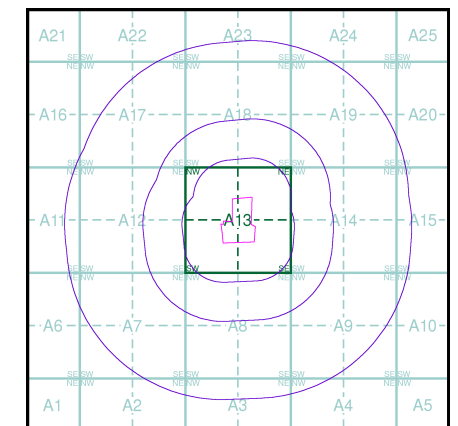
Source map scale - 1:10,560

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: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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Ordnance Survey Plan

Published 1962

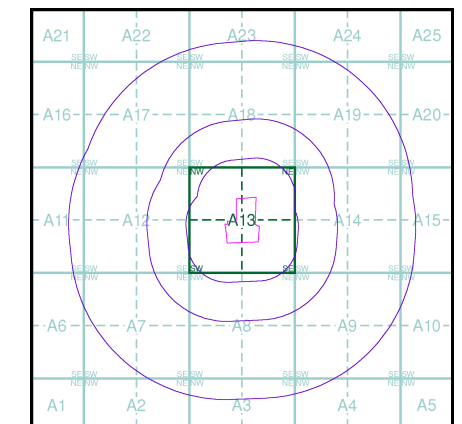
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SU70SW
1962
1:10,560
SZ79NW
1962
1:10,560

Historical Map - Slice A

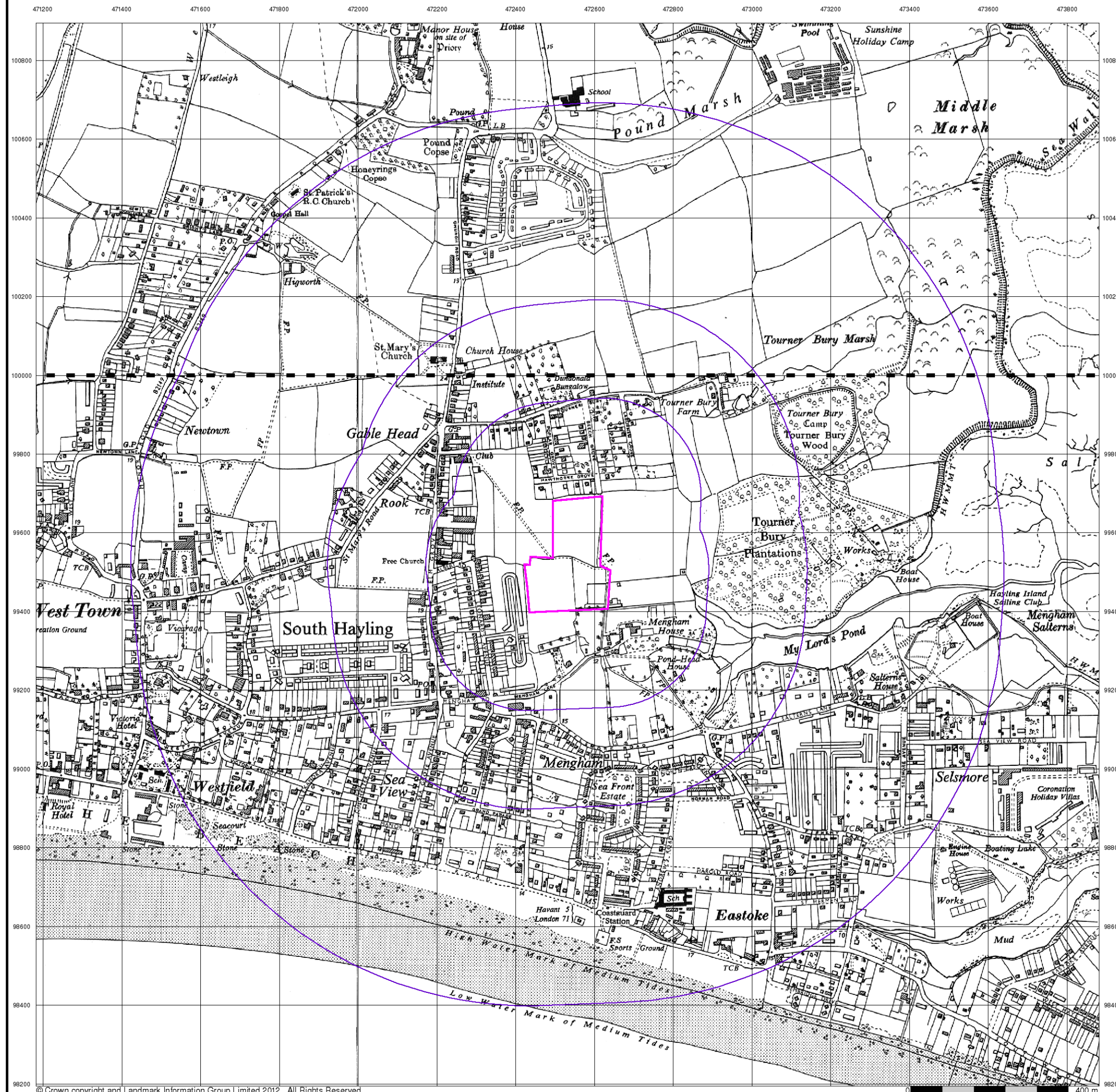


Order Details

Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



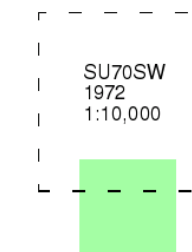
Ordnance Survey Plan

Published 1972

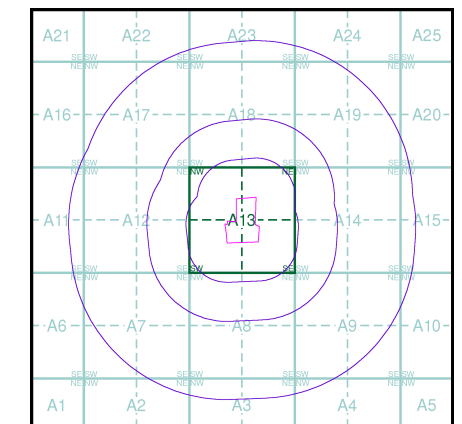
Source map scale - 1:10,000

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



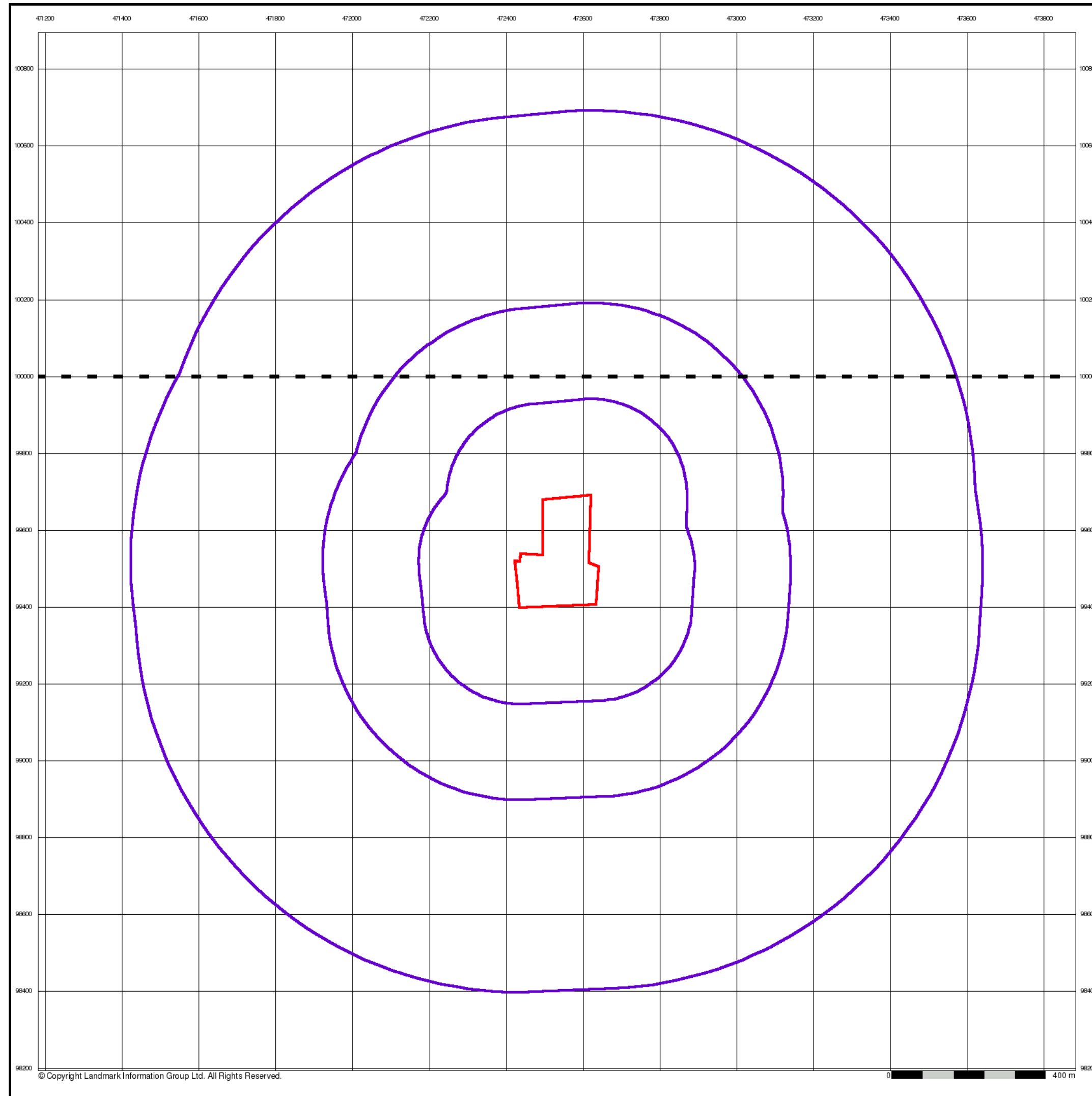
Order Details

Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

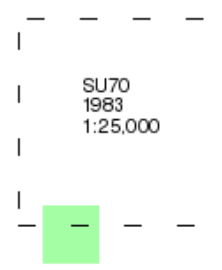




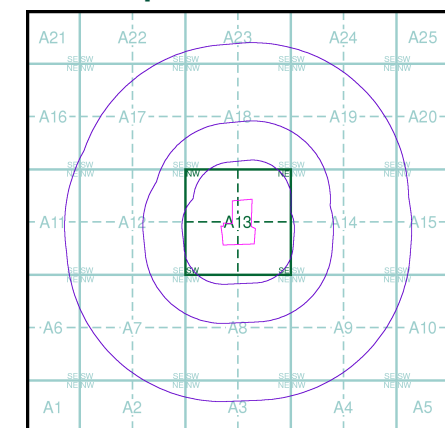
Havant
Published 1983
Source map scale - 1:25,000

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)

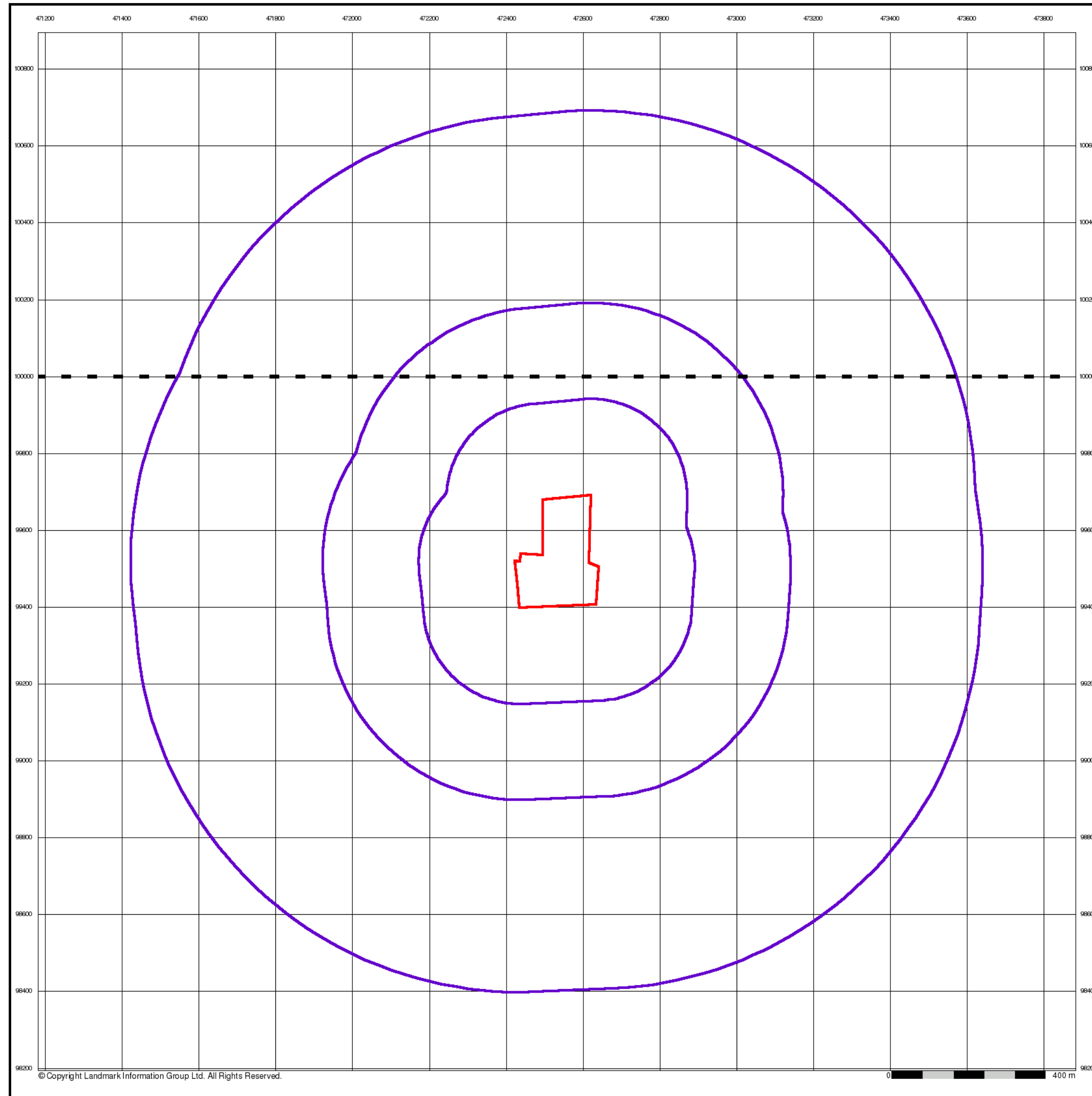


Russian Map - Slice A



Order Details
Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details
Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



Portsmouth

Published 1988

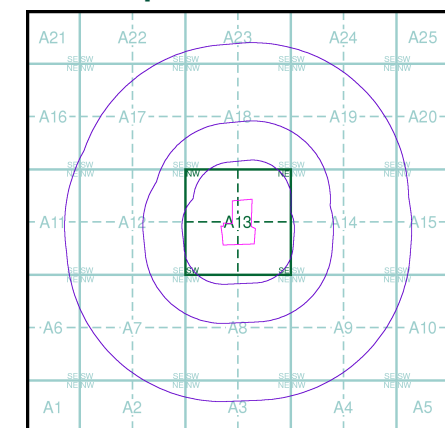
Source map scale - 1:10,000

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)

SU 70SW
1988
1:10,000
SZ 79NW
1988
1:10,000

Russian Map - Slice A



Order Details

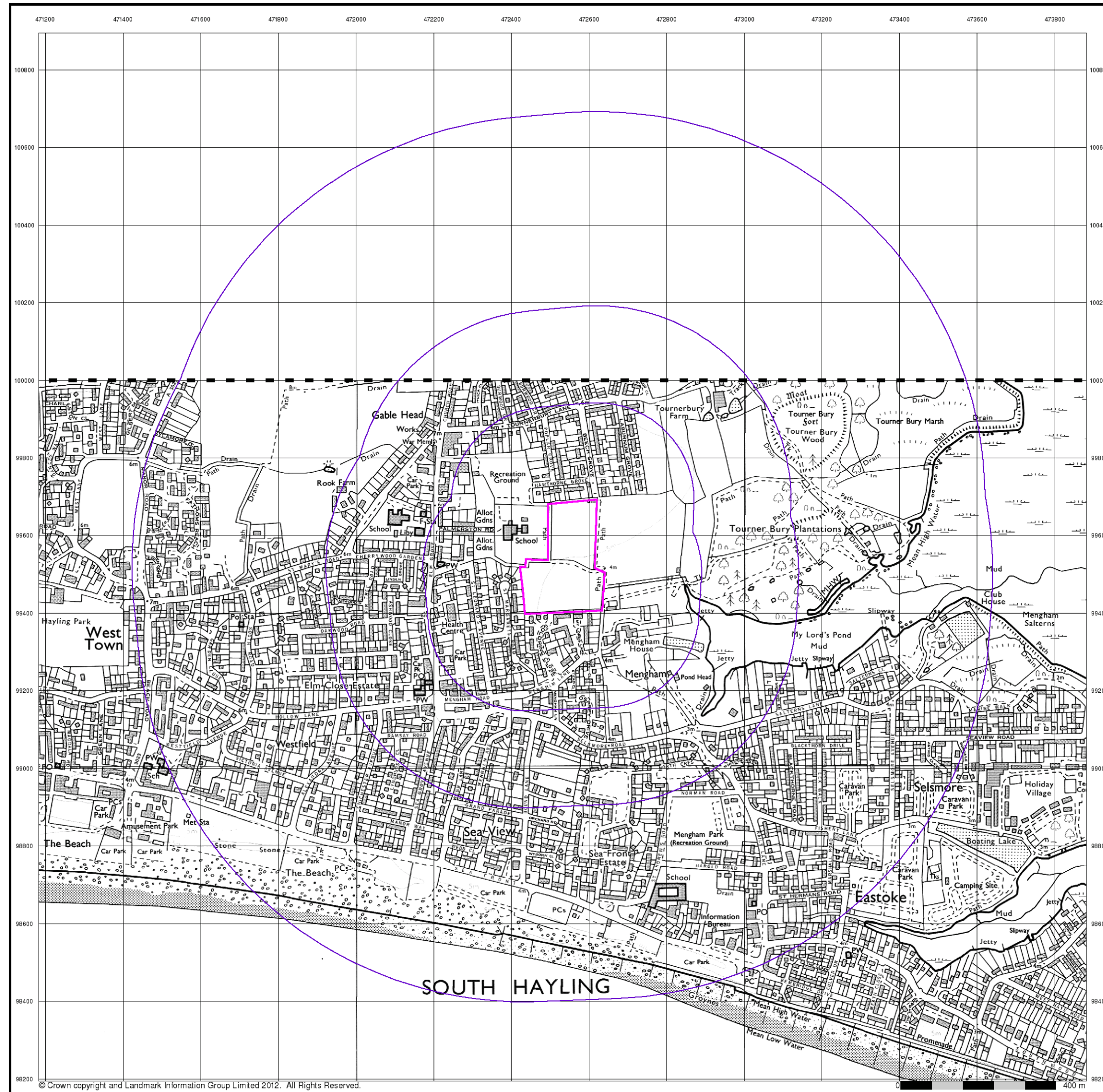
Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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



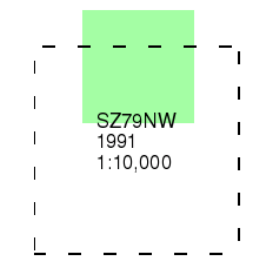
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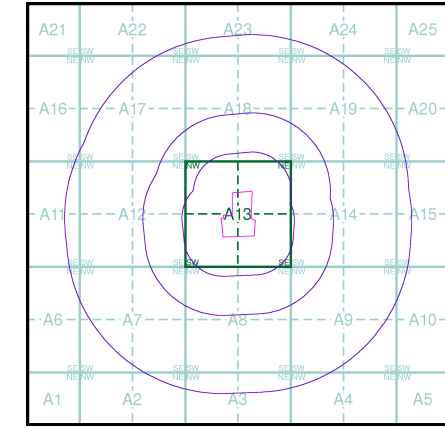
Ordnance Survey Plan
Published 1991
Source map scale - 1:10,000

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



Order Details

Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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

10k Raster Mapping

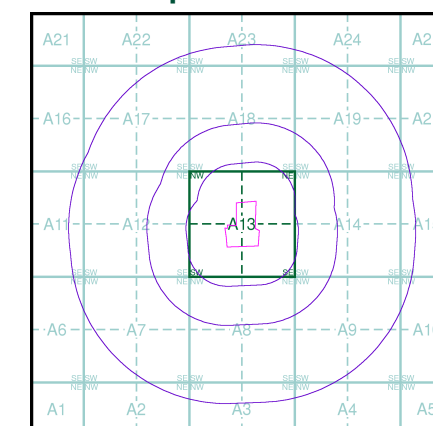
Published 2006

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



Order Details

Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



10k Raster Mapping

Published 2011

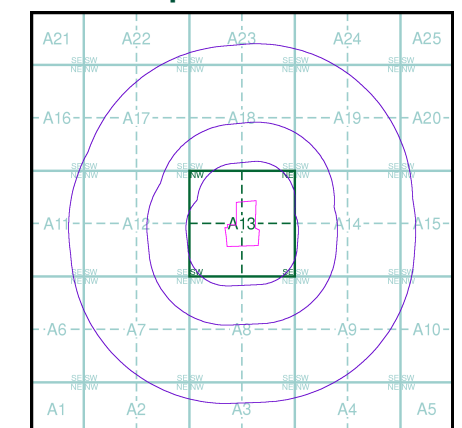
Source map scale - 1:10,000

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)

SU70SW
2011
1:10,000
SZ79NW
2011
1:10,000

Historical Map - Slice A



Order Details

Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Slice: A
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



·
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Appendix B
Landmark Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

38655090_1_1

Customer Reference:

12925

National Grid Reference:

472540, 99530

Slice:

A

Site Area (Ha):

4.59

Search Buffer (m):

1000

Site Details:

Land north of Goldring Close and south of
Beech Gr

Mengham

HAYLING ISLAND

Hampshire

PO11 9BP

Client Details:

Mr N Lambert

Soils Ltd

Newton House

Cross Road

Tadworth

Surrey

KT20 5SR

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	5
Hazardous Substances	-
Geological	6
Industrial Land Use	18
Sensitive Land Use	23
Data Currency	24
Data Suppliers	29
Useful Contacts	30

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 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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Peter Brett Associates Copyright Notice

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and the Health Protection Agency.

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				4
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1			2	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters	pg 2				3
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3			2	3
Water Industry Act Referrals					
Groundwater Vulnerability	pg 4	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 4		Yes	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
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 5		1		
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 5		1		
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 6	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 6	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 16				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 17	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 17		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 17	Yes	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 18		10	23	23
Fuel Station Entries	pg 22			2	1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 23	1			
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 23	1		1	
Ramsar Sites	pg 23		1		
Sites of Special Scientific Interest	pg 23		1		1
Special Areas of Conservation	pg 23		1		
Special Protection Areas	pg 23		1		

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: Undefined Or Other Location: Southern Foreshore, Hayling Island Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: W00293 Permit Version: 1 Effective Date: 21st June 1979 Issued Date: 21st June 1979 Revocation Date: 13th February 1998 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Controlled Sea Environment: Controlled Sea Receiving Water: Controlled Sea Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	855	1	472080 98620
1	Discharge Consents Operator: Southern Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Green Lane Hayling Island Cso, Green Lane, Hayling Island, Hampshire, Po11 0bq Authority: Environment Agency, Southern Region Catchment Area: Hayling Island Reference: A01274 Permit Version: 1 Effective Date: 6th September 2006 Issued Date: 6th September 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Controlled Sea Environment: Hayling Bay Receiving Water: Hayling Bay Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	874	1	472080 98600
2	Discharge Consents Operator: Mengeham Rythe Sailing Club Property Type: Recreational & Cultural Location: Wall Corner, Salterns Quay, Hayling Island, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N02510 Permit Version: 1 Effective Date: 14th February 1977 Issued Date: 14th February 1977 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A15SW (E)	921	1	473560 99460
3	Discharge Consents Operator: Hermitage Housing Association Property Type: Domestic Property (Single) Location: 1 Park Road North, HAVANT, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H00078 Permit Version: 1 Effective Date: 22nd January 1965 Issued Date: 22nd January 1965 Revocation Date: 31st March 1997 Discharge Type: Unknown Discharge: Freshwater Stream/River Environment: Freshwater River Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A23SW (N)	935	1	472510 100620
4	Local Authority Pollution Prevention and Controls Name: Spotless Too Location: 122 Elm Grove, Hayling Island, Po11 9eh Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/01571 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	280	2	472226 99756

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Local Authority Pollution Prevention and Controls Name: Cleancare Dry Cleaners Location: 9 Elm Grove, Hayling Island, Po11 9ea Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00696 Dated: 22nd January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	300	2	472187 99230
6	Local Authority Pollution Prevention and Controls Name: Daron Ford Location: 17 Rails Lane, HAYLING ISLAND, Hampshire, PO11 9LG Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00202 Dated: 23rd December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A9SW (SE)	875	2	473016 98619
	Nearest Surface Water Feature	A13SE (SE)	3	-	472641 99465
7	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Rear Of 115 King Road, HAYLING ISLAND Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Other Sewage & Sewerage Material Note: Not Supplied Incident Date: 24th August 1999 Incident Reference: 2397 Catchment Area: Seaside Mill Pond Receiving Water: Pond/Lake Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A18NW (N)	746	1	472300 100400
8	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: East Anglia, Marine Walk, HAYLING ISLAND Authority: Environment Agency, Southern Region Pollutant: General Biodegradable : Sewage & Sewerage Material Note: Not Supplied Incident Date: 30th March 1999 Incident Reference: 131 Catchment Area: Lavant Receiving Water: Potential River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A9NE (SE)	919	1	473500 99100
9	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Fishery Lane, Hayling Island Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Sewage Discharge To Ditch; Water Company Sewage: Pumping Station Incident Date: 2nd October 1995 Incident Reference: 2095 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Plc Sewage Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15SW (E)	972	1	473600 99300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Water Abstractions Operator: A G Phillips & Son Ltd Licence Number: 39/3 Permit Version: Not Supplied Location: HALING ISLAND Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 110 Yearly Rate (m3): 12000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	433	1	473000 99900
11	Water Abstractions Operator: A G Phillips & Son Ltd Licence Number: 28/038ca Permit Version: 100 Location: Unnamed Watercourse At Tournerbury Farm, Hayling Island Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 110 Yearly Rate (m3): 12000 Details: See Licence Map. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	479	1	473010 99970
12	Water Abstractions Operator: A C Cleeve & Sons Licence Number: 11/42/39/1 Permit Version: 100 Location: Higworth Point B, Hayling Island Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 218 Yearly Rate (m3): 8182 Details: See Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 23rd December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (W)	580	1	471910 99790
13	Water Abstractions Operator: A C Cleeve & Sons Licence Number: 11/42/39/1 Permit Version: 100 Location: Higworth Point A, Hayling Island Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 23rd December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	874	1	471860 100280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Water Abstractions Operator: A.C. Cleeve & Sons Licence Number: 39/1 Permit Version: Not Supplied Location: Higworth, HAYLING ISLAND Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 218 Yearly Rate (m3): 8183 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17NW (NW)	923	1	471840 100330
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13SE (S)	0	1	472542 99533
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Unproductive Strata	A13SE (S)	0	3	472542 99533
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13SW (S)	0	3	472503 99393
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (S)	0	3	472542 99533
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	41	1	472682 99468
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	59	1	472696 99452
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Historical Landfill Sites Licence Holder: Mrs J M Selby Location: Mengham Lane, Hayling Island, Hampshire Name: North of Mengham House Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20821 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: FHA5, 13/23	A13SE (E)	95	1	472733 99470
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	2	472542 99533
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	472542 99533
16	Registered Landfill Sites Licence Holder: J M Selby Licence Reference: 13/ 23 Site Location: North Of Mengham House, Mengham Lane, Hayling Island, Hampshire Licence Easting: 472820 Licence Northing: 99450 Operator Location: Mengham House, Mengham Lane, Hayling Island, Hampshire Authority: Environment Agency - Southern Region, Hampshire 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 July 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Sand, Chalk, Gravel, Nat'L Occ. Earthspoil Prohibited Waste: All Clinical Wastes (As In Wmp 25) Biodegradable Waste Brick, Concrete Rubble Constr'N/Demol. Waste Contaminated Land Clearance Waste Food Liquid/Slurry/Sludge Wastes Metal Paper/Cardboard/Packaging Phenols Or Mat'Ls Containing Them Plaster Poisonous, Noxious, Polluting Wastes Rubble -Premis Use Toxic/Water Sol.Chem Special Wastes Timber Vegetable Matter Waste N.O.S.	A13SE (E)	83	1	472724 99478

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: London Clay	A13SE (S)	0	3	472542 99533
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	0	4	472542 99533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (S)	0	4	472504 99396
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	55	4	472693 99458
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	102	4	472742 99479
	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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	161	4	472800 99467
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	226	4	472830 99294

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	245	4	472883 99429
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	260	4	472863 99284
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	267	4	472810 99882
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	309	4	472542 100000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (NE)	313	4	472863 99890
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	329	4	472930 99264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	360	4	473000 99533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	363	4	473000 99445
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	365	4	473000 99409
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	367	4	473000 99380
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	372	4	472923 99909
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	383	4	472983 99248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	394	4	473000 99261
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	398	4	472542 99000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	401	4	473000 99243
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	423	4	472000 99514
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	423	4	472000 99533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	429	4	473079 99727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	441	4	473000 99916
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	446	4	472942 100000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	464	4	473000 99959
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	467	4	472971 100000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	489	4	473000 100000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	501	4	472927 99000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	514	4	473000 100039
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	518	4	473000 99039
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	529	4	472972 99000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	531	4	473053 100000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	539	4	473000 100075
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	540	4	473000 99009

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	547	4	473000 99000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	557	4	473175 99750
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	589	4	472000 100000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	590	4	472265 98832
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	590	4	472000 99000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	651	4	472384 98744

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	651	4	472000 98915
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	678	4	473317 99467
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SW (SE)	713	4	473000 98794
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	719	4	473345 99646
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	720	4	472000 98825
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A18NE (N)	720	4	472656 100410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	743	4	472636 100434
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	787	4	473378 99151
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	798	4	473104 100326
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	818	4	473408 99143
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	823	4	472354 98577
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	866	4	473488 99260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	882	4	472000 98632
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	897	4	472618 100589
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	909	4	473199 98695
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	923	4	473000 98559
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	955	4	472675 100645
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	963	4	472654 100655

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SE (SE)	964	4	473367 98780
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SE (N)	967	4	472838 100633
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SE (N)	980	4	472642 100672
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A24SW (NE)	987	4	473000 100603
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A10NW (SE)	989	4	473575 99101
17	BGS Recorded Mineral Sites Site Name: Tournier Bury Brick Works Location: South Hayling, Portsmouth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 18255 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Brickearth) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (E)	537	3	473170 99595
	BGS Measured Urban Soil Chemistry No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	472542 99533
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	57	3	472694 99455
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	246	3	472884 99426
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	472542 99533
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	246	3	472884 99426
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	472542 99533
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	472542 99533
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	57	3	472694 99455
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	103	3	472743 99476
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	162	3	472801 99464
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	246	3	472884 99426
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	472542 99533
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	228	3	472831 99291
	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	A13SE (S)	0	3	472542 99533
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	472542 99533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Contemporary Trade Directory Entries Name: Rubbish Eaters Location: 32, St. Leonards Avenue, Hayling Island, Hampshire, PO11 9BW Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	101	-	472333 99403
19	Contemporary Trade Directory Entries Name: Designer Windows Ltd Location: Coachmans Cottage, Mengham Lane, Hayling Island, Hampshire, PO11 9JX Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	104	-	472501 99297
20	Contemporary Trade Directory Entries Name: Modex Automation Ltd Location: 58, St. Leonards Avenue, Hayling Island, Hampshire, PO11 9BW Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	154	-	472276 99564
20	Contemporary Trade Directory Entries Name: Southpest Services Location: 14, Palmerston Road, Hayling Island, Hampshire, PO11 9ET Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	180	-	472261 99599
21	Contemporary Trade Directory Entries Name: B M Benham & Son Location: 4, St. Leonards Avenue, Hayling Island, Hampshire, PO11 9BW Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	174	-	472355 99244
22	Contemporary Trade Directory Entries Name: Hayling Print Ltd Location: 14a, Tournurbury Lane, Hayling Island, Hampshire, PO11 9DH Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	208	-	472342 99821
22	Contemporary Trade Directory Entries Name: A 3 M Designs Ltd Location: 14a, Tournurbury Lane, HAYLING ISLAND, Hampshire, PO11 9DH Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	208	-	472342 99821
22	Contemporary Trade Directory Entries Name: Digital People Location: 14, Tournurbury Lane, Hayling Island, Hampshire, PO11 9DH Classification: Digital Printing Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	243	-	472324 99852
23	Contemporary Trade Directory Entries Name: Printers & Office Supplies Location: 64, Elm Grove, HAYLING ISLAND, Hampshire, PO11 9EF Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	225	-	472202 99475
23	Contemporary Trade Directory Entries Name: Photobirdy Location: 64, Elm Grove, Hayling Island, Hampshire, PO11 9EF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	225	-	472202 99475
24	Contemporary Trade Directory Entries Name: Mengham Marine Location: 14, The Precinct, Mengham Road, Hayling Island, Hampshire, PO11 9BS Classification: Chandlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	252	-	472356 99160
24	Contemporary Trade Directory Entries Name: Mjd Plastering Location: 4, The Precinct, Mengham Road, Hayling Island, Hampshire, PO11 9BS Classification: Plaster Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	263	-	472337 99154

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Contemporary Trade Directory Entries Name: Hayden Garages Location: 35, Tournurbury Lane, Hayling Island, Hampshire, PO11 9DJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	266	-	472540 99951
26	Contemporary Trade Directory Entries Name: Hornbuckle Cleaning Location: 41, Elm Grove, Hayling Island, Hampshire, PO11 9EA Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	274	-	472170 99327
27	Contemporary Trade Directory Entries Name: Southern Cables Location: 5, Burwood Grove, Hayling Island, Hampshire, PO11 9DS Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	287	-	472358 99932
28	Contemporary Trade Directory Entries Name: Spotless Too Location: 122, Elm Grove, Hayling Island, Hampshire, PO11 9EH Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	289	-	472216 99756
29	Contemporary Trade Directory Entries Name: Hayling Hardware Ltd Location: 59, Elm Grove, Hayling Island, Hampshire, PO11 9EA Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	296	-	472137 99425
30	Contemporary Trade Directory Entries Name: Clean Care Location: 9, Elm Grove, Hayling Island, Hampshire, PO11 9EA Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	300	-	472188 99229
30	Contemporary Trade Directory Entries Name: Gridley Printers Ltd Location: 3, Elm Grove, Hayling Island, Hampshire, PO11 9EA Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	318	-	472173 99218
30	Contemporary Trade Directory Entries Name: Hayling Motors Car Sales Location: Hollow Lane, Hayling Island, Hampshire, PO11 9EY Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	331	-	472172 99199
31	Contemporary Trade Directory Entries Name: Airvent Systems Location: 10 The Precinct, Mengham Rd, Hayling Island, Hampshire, PO11 9BS Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	301	-	472234 99175
31	Contemporary Trade Directory Entries Name: S C R Air Conditioning Location: 10, Mengham Road, Hayling Island, Hampshire, PO11 9BL Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	317	-	472236 99152
32	Contemporary Trade Directory Entries Name: A & J Auto'S Location: 115, Elm Grove, Hayling Island, Hampshire, PO11 9ED Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	305	-	472188 99713
32	Contemporary Trade Directory Entries Name: Rosewood Car Centre Location: 115, Elm Grove, Hayling Island, Hampshire, PO11 9ED Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	305	-	472188 99713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Contemporary Trade Directory Entries Name: Hayling Garage Location: 2-4, Church Road, Hayling Island, Hampshire, PO11 0NT Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	324	-	472248 99889
34	Contemporary Trade Directory Entries Name: A & T Collectables Location: 42, Elm Close Estate, Hayling Island, Hampshire, PO11 9AT Classification: Ceramic Manufacturers, Supplies & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	326	-	472122 99309
35	Contemporary Trade Directory Entries Name: Spa Journey Location: Creek View, Selsmore Road, Hayling Island, Hampshire, PO11 9JZ Classification: Cosmetic Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	338	-	472775 99099
36	Contemporary Trade Directory Entries Name: Smith & Austin Engineering Products Ltd Location: 11, Church Road, Hayling Island, Hampshire, PO11 0NN Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	373	-	472188 99892
37	Contemporary Trade Directory Entries Name: Combat Pest Control Location: 56, Hollow Lane, Hayling Island, Hampshire, PO11 9EY Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	384	-	472146 99146
38	Contemporary Trade Directory Entries Name: Peter Mullins Location: 78, Selsmore Road, Hayling Island, Hampshire, PO11 9LE Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	394	-	472810 99054
39	Contemporary Trade Directory Entries Name: The Hayling Cleaning Co Location: Tournerbury Suite, 24 Church Rd, Hayling Island, Hampshire, PO11 0NT Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (NW)	417	-	472267 100029
40	Contemporary Trade Directory Entries Name: A1 Hall'S Cleaning Services Location: 14, Walnut Tree Close, Hayling Island, Hampshire, PO11 9BD Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	445	-	471978 99501
41	Contemporary Trade Directory Entries Name: David Yates Location: 2, Simmons Green, Hayling Island, Hampshire, PO11 9PP Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	453	-	473055 99238
42	Contemporary Trade Directory Entries Name: Chem Clean Location: 63, St. Marys Road, Hayling Island, Hampshire, PO11 9DB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	526	-	471898 99548
43	Contemporary Trade Directory Entries Name: Automotive Business Solutions Location: 9, Pepper Close, Hayling Island, Hampshire, PO11 0NS Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	571	-	472331 100227
44	Contemporary Trade Directory Entries Name: Dch Freight & Transport Services Location: 34, South Road, Hayling Island, Hampshire, PO11 9AE Classification: Airfreight Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	683	-	471744 99446

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Contemporary Trade Directory Entries Name: Berican Ltd Location: 11, Fishery Lane, Hayling Island, Hampshire, PO11 9NP Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	716	-	473114 98875
46	Contemporary Trade Directory Entries Name: Fox Cleaning Services Location: 15, Kingfisher Close, Hayling Island, Hampshire, PO11 9NS Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	756	-	473250 98968
47	Contemporary Trade Directory Entries Name: L & G Pools Ltd Location: St. Andrews Rd, Hayling Island, Hampshire, PO11 9JS Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	758	-	472690 98651
48	Contemporary Trade Directory Entries Name: Jones Bros Flat Roofing Ltd Location: 17, St. Marys Road, Hayling Island, Hampshire, PO11 9BY Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	-	471609 99468
48	Contemporary Trade Directory Entries Name: Woodways Joinery Location: The Workshop, Hayling Island, Hampshire, PO11 9BY Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	849	-	471576 99459
49	Contemporary Trade Directory Entries Name: Hopkins Recycling Location: Fishery La, Hayling Island, Hampshire, PO11 9NR Classification: Recycling Centres Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	842	-	473252 98834
50	Contemporary Trade Directory Entries Name: Streamline Marking Location: 42, Fathoms Reach, Hayling Island, Hampshire, PO11 0RR Classification: Road Marking & Surfacing Equipment & Material Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	851	-	471577 99613
51	Contemporary Trade Directory Entries Name: Daron Motors Ltd Location: 15-19, Rails Lane, Hayling Island, Hampshire, PO11 9LG Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	875	-	473017 98619
52	Contemporary Trade Directory Entries Name: D J B Precision Engineers Ltd Location: 2, St. Marys Road, Hayling Island, Hampshire, PO11 9BY Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	914	-	471515 99414
52	Contemporary Trade Directory Entries Name: Footprint Location: 2, St. Marys Road, Hayling Island, Hampshire, PO11 9BY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	914	-	471515 99414
52	Contemporary Trade Directory Entries Name: Contemporary Home Location: 2, St. Marys Road, Hayling Island, Hampshire, PO11 9BY Classification: Homefurnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	914	-	471515 99414
52	Contemporary Trade Directory Entries Name: Sail Style Location: Unit 6,2 St. Marys Rd, Hayling Island, Hampshire, PO11 9BY Classification: Sailmakers & Repairers Status: Active Positional Accuracy: Manually positioned to the address or location	A11SE (W)	915	-	471514 99414

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	Contemporary Trade Directory Entries Name: Medina Joinery Location: Unit 5,2 St. Marys Rd, Hayling Island, Hampshire, PO11 9BY Classification: Joinery Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A11SE (W)	915	-	471514 99414
52	Contemporary Trade Directory Entries Name: Beach Road Garage Location: 46, Beach Road, Hayling Island, Hampshire, PO11 0JG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	948	-	471485 99382
52	Contemporary Trade Directory Entries Name: Beach Road Garage Ltd Location: 46, Beach Road, Hayling Island, Hampshire, PO11 0JG Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A11SE (W)	948	-	471485 99382
53	Contemporary Trade Directory Entries Name: Profile Grp Location: 4, Havant Road, Hayling Island, Hampshire, PO11 0NZ Classification: Boatbuilders & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A23SW (N)	935	-	472348 100603
54	Contemporary Trade Directory Entries Name: Hayling Colour Processing Co Ltd Location: 24, Rails Lane, Hayling Island, Hampshire, PO11 9LL Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	954	-	473063 98554
54	Contemporary Trade Directory Entries Name: Electra International Ltd Location: 17, Southwood Road, Hayling Island, Hampshire, PO11 9PS Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	964	-	473102 98564
55	Contemporary Trade Directory Entries Name: Network Piling Ltd Location: 23, Sea View Road, Hayling Island, Hampshire, PO11 9PD Classification: Pile Driving Status: Inactive Positional Accuracy: Automatically positioned to the address	A10NW (SE)	985	-	473568 99094
55	Contemporary Trade Directory Entries Name: Seaboard Ltd Location: Quayside, Marine Walk, Hayling Island, Hampshire, PO11 9PQ Classification: Marine Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A10NW (E)	1000	-	473592 99121
56	Fuel Station Entries Name: Hayling Motors Location: Elm Grove, HAYLING ISLAND, Hampshire, PO11 9EH Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A13NW (NW)	295	-	472218 99781
57	Fuel Station Entries Name: Hayling Garage Location: 2-4 Church Road, Tournurburg Lane, HAYLING ISLAND, Hampshire, PO11 0NT Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A18SW (NW)	324	-	472248 99889
58	Fuel Station Entries Name: Daron Motors Ltd Location: 15-19, Rails Lane, Hayling Island, Hampshire, PO11 9LG Brand: Gulf Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A9SW (SE)	875	-	473016 98619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Areas of Outstanding Natural Beauty Name: Chichester Harbour Multiple Areas: N Total Area (m2): 73161989.53 Designation Date: 29th February 1964 Source: Natural England	A13SE (E)	0	5	472612 99528
60	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SE (S)	0	6	472542 99533
61	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A18SE (N)	309	6	472542 100000
62	Ramsar Sites Name: Chichester And Langstone Harbours Multiple Areas: Y Total Area (m2): 58109478.02 Source: Natural England Reference: UK11013 Designation Date: Not Supplied	A13SE (E)	208	5	472847 99469
63	Sites of Special Scientific Interest Name: Chichester Harbour Multiple Areas: N Total Area (m2): 37325326.07 Source: Natural England Reference: 1003245 Designation Details: EC Special Protection Area Designation Date: 30th July 1985 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 30th July 1985 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 30th July 1985 Date Type: Notified Designation Details: Ramsar Site Designation Date: 30th July 1985 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 30th July 1985 Date Type: Notified	A13SE (E)	208	5	472847 99469
64	Sites of Special Scientific Interest Name: Sinah Common Multiple Areas: N Total Area (m2): 2429502.63 Source: Natural England Reference: 2000412 Designation Details: Local Nature Reserve Designation Date: 20th March 2000 Date Type: Notified	A7SW (SW)	836	5	471824 98828
65	Special Areas of Conservation Name: Solent Maritime Multiple Areas: Y Total Area (m2): 112433815.66 Source: Natural England Reference: UK0030059 Status: Designated	A13SE (E)	208	5	472847 99469
66	Special Protection Areas Name: Chichester And Langstone Harbours Multiple Areas: Y Total Area (m2): 58109478.02 Source: Natural England Reference: UK9011011 Designation Date: Not Supplied	A13SE (E)	208	5	472847 99469

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Portsmouth City Council - Health and Trading Standards Chichester District Council - Environmental Health Department Havant Borough Council - Environmental Health Department	February 2012 July 2011 March 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	January 2012	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	April 2012	Quarterly
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Southern Region	January 2012	Quarterly
Local Authority Integrated Pollution Prevention And Control Chichester District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department	August 2011 February 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Chichester District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department	August 2011 February 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Chichester District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department	August 2011 February 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	December 2011	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	January 2012	Monthly
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	April 2012	Monthly
Registered Radioactive Substances Environment Agency - Southern Region	January 2012	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	January 2011	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	January 2011	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 2012 January 2012 January 2012	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	January 2012	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	January 2012	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	September 2011	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	September 2011	Annually
Source Protection Zones Environment Agency - Head Office	December 2011	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2012	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2012	Quarterly
Flood Defences Environment Agency - Head Office	February 2012	Quarterly

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites 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 2012 January 2012 January 2012	Quarterly Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) 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 2012 January 2012 January 2012	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) 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	October 2011 October 2011 October 2011	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Chichester District Council - Environmental Health Department 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	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Chichester District Council - Environmental Health Department 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	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Sussex Area	March 2003 March 2003	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	December 2011	Bi-Annually
Explosive Sites Health and Safety Executive	December 2011	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Portsmouth City Council - Planning Office Chichester District Council - Planning Department Havant Borough Council - Commercial Team West Sussex County Council - Environment & Development Hampshire County Council - Minerals and Waste Planning	August 2011 January 2012 May 2011 October 2006 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Portsmouth City Council - Planning Office Chichester District Council - Planning Department Havant Borough Council - Commercial Team West Sussex County Council - Environment & Development Hampshire County Council - Minerals and Waste Planning	August 2011 January 2012 May 2011 October 2006 September 2011	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	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2011	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	November 2002	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	August 2011	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	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	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	February 2012	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2011	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	February 2012	Bi-Annually
Environmentally Sensitive Areas Natural England	February 2012	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2012	Bi-Annually
Marine Nature Reserves Natural England	February 2012	Bi-Annually
National Nature Reserves Natural England	February 2012	Bi-Annually
National Parks Natural England	February 2012	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Annually
Ramsar Sites Natural England	February 2012	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2012	Bi-Annually
Special Areas of Conservation Natural England	February 2012	Bi-Annually
Special Protection Areas Natural England	February 2012	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Havant Borough Council - Environmental Health Department Civic Offices, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 023 92474174 Fax: 01705 446659 Email: env.services@havant.gov.uk Website: www.havant.gov.uk
3	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
4	Landmark Information Group Limited 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
5	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
6	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
7	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
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Appendix C

Site Sensitivity Maps



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Groundwater Vulnerability

General

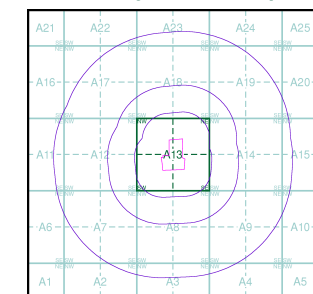
- Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice 8 Map ID

Agency and Hydrological

Geological Classes

- | | | |
|---|---|---|
| Major Aquifer (Highly Permeable) | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: purple; margin-right: 5px;"></div> <div style="width: 10px; height: 10px; background-color: magenta; margin-right: 5px;"></div> <div style="width: 10px; height: 10px; background-color: pink; margin-right: 5px;"></div> </div> | High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low |
| Minor Aquifer (Variably Permeable) | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: brown; margin-right: 5px;"></div> <div style="width: 10px; height: 10px; background-color: tan; margin-right: 5px;"></div> <div style="width: 10px; height: 10px; background-color: lightorange; margin-right: 5px;"></div> </div> | High (H) 1, 2, 3, U
Intermediate (I) 1, 2
Low |
| Non Aquifer (Negligibly Permeable) | <div style="width: 10px; height: 10px; background-color: lightgreen; margin-right: 5px;"></div> | |
| Water or Sea | <div style="width: 10px; height: 10px; background-color: lightblue; margin-right: 5px;"></div> | |
| Drift Deposit | <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); margin-right: 5px;"></div> </div> | |

Site Sensitivity Context Map - Slice A



Order Details

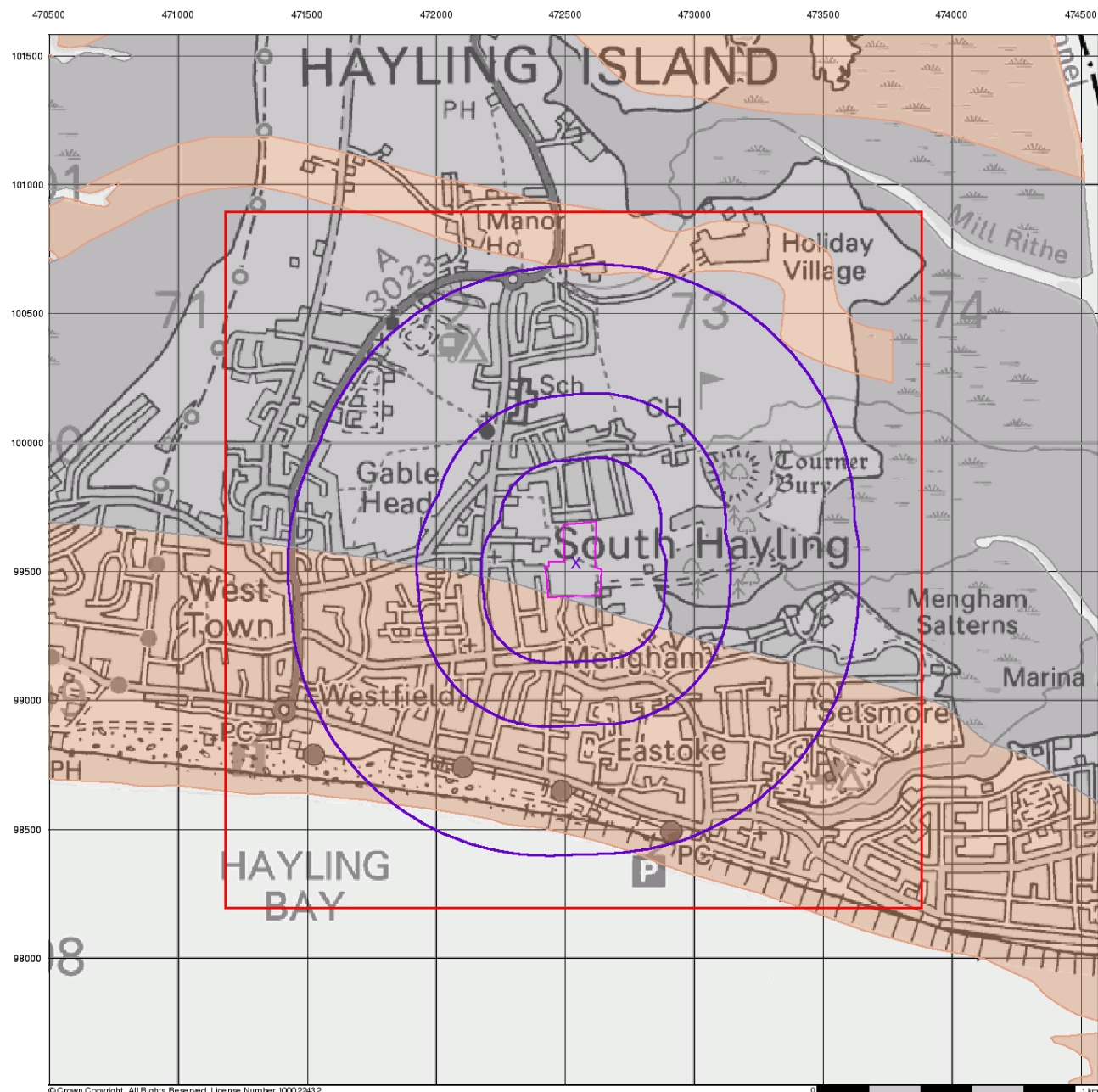
Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



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



Bedrock Aquifer Designation

General

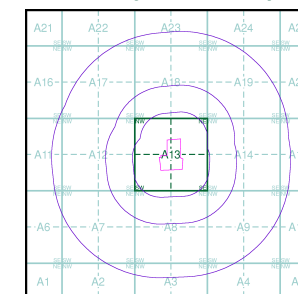
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

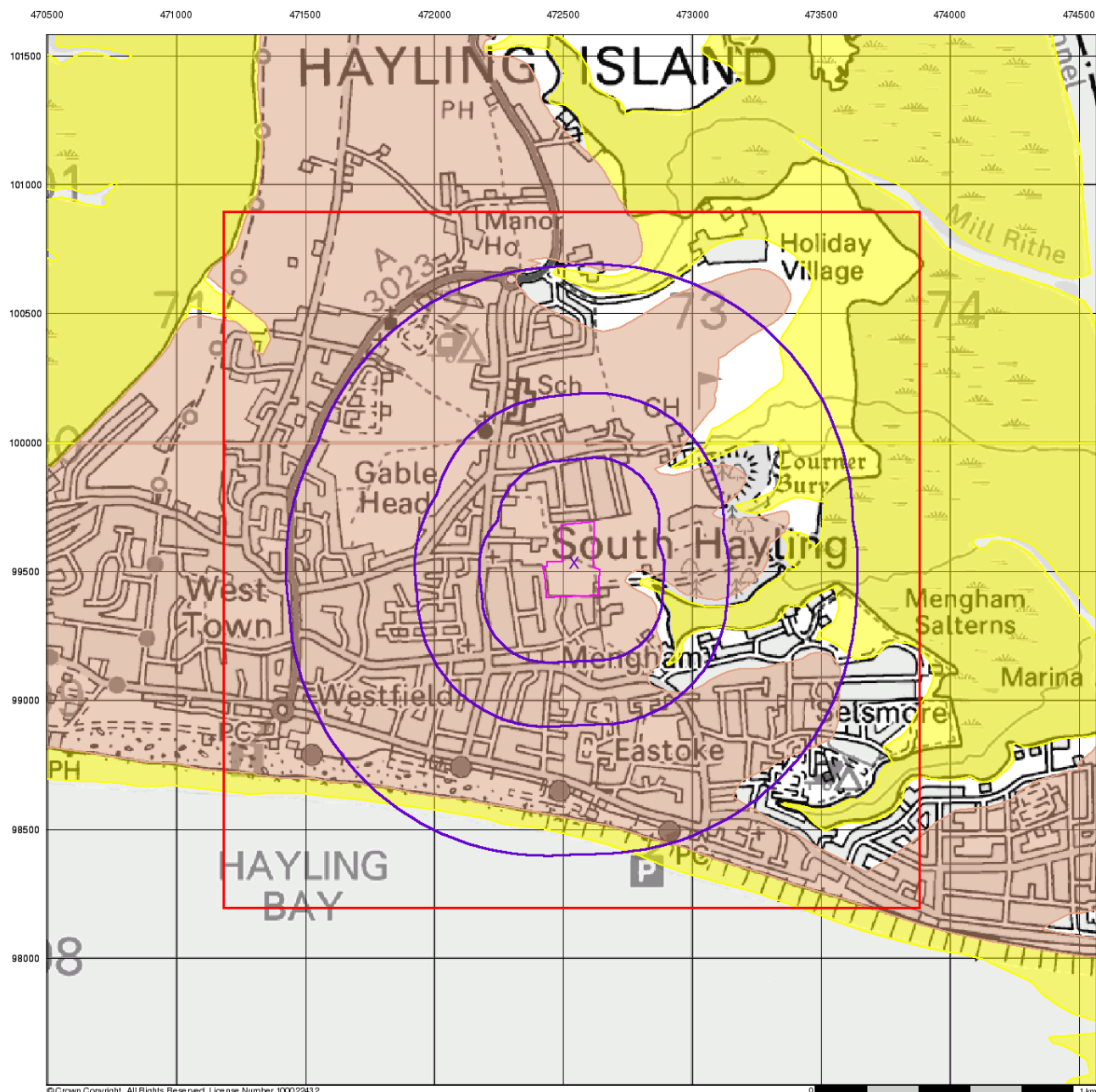
Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

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0 1 km



Superficial Aquifer Designation

General

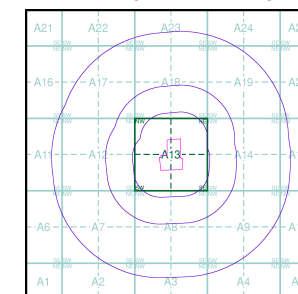
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

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0 1 km



Source Protection Zones

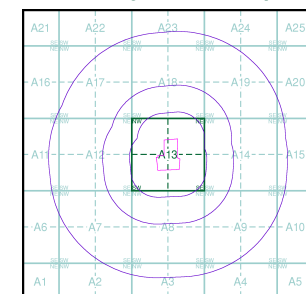
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
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 Slice: A
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 Search Buffer (m): 1000

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 Web: www.envirocheck.co.uk



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0 1 km



Sensitive Land Uses

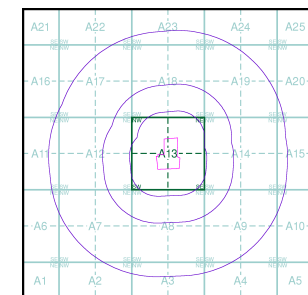
General

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

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

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

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 Control
  Local Authority Integrated 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
  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

Hazardous Substances

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

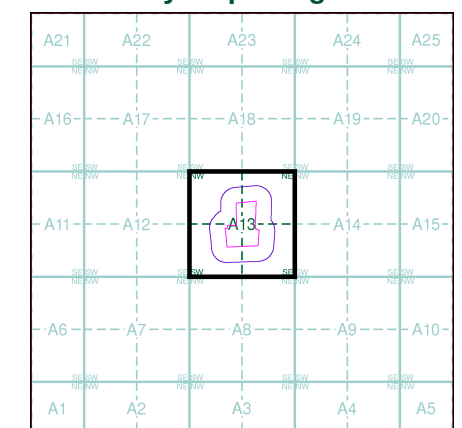
Geological

-  BGS Recorded Mineral Site

Industrial Land Use

-  Contemporary Trade Directory Entry
  Fuel Station Entry

Site Sensitivity Map - Segment A13

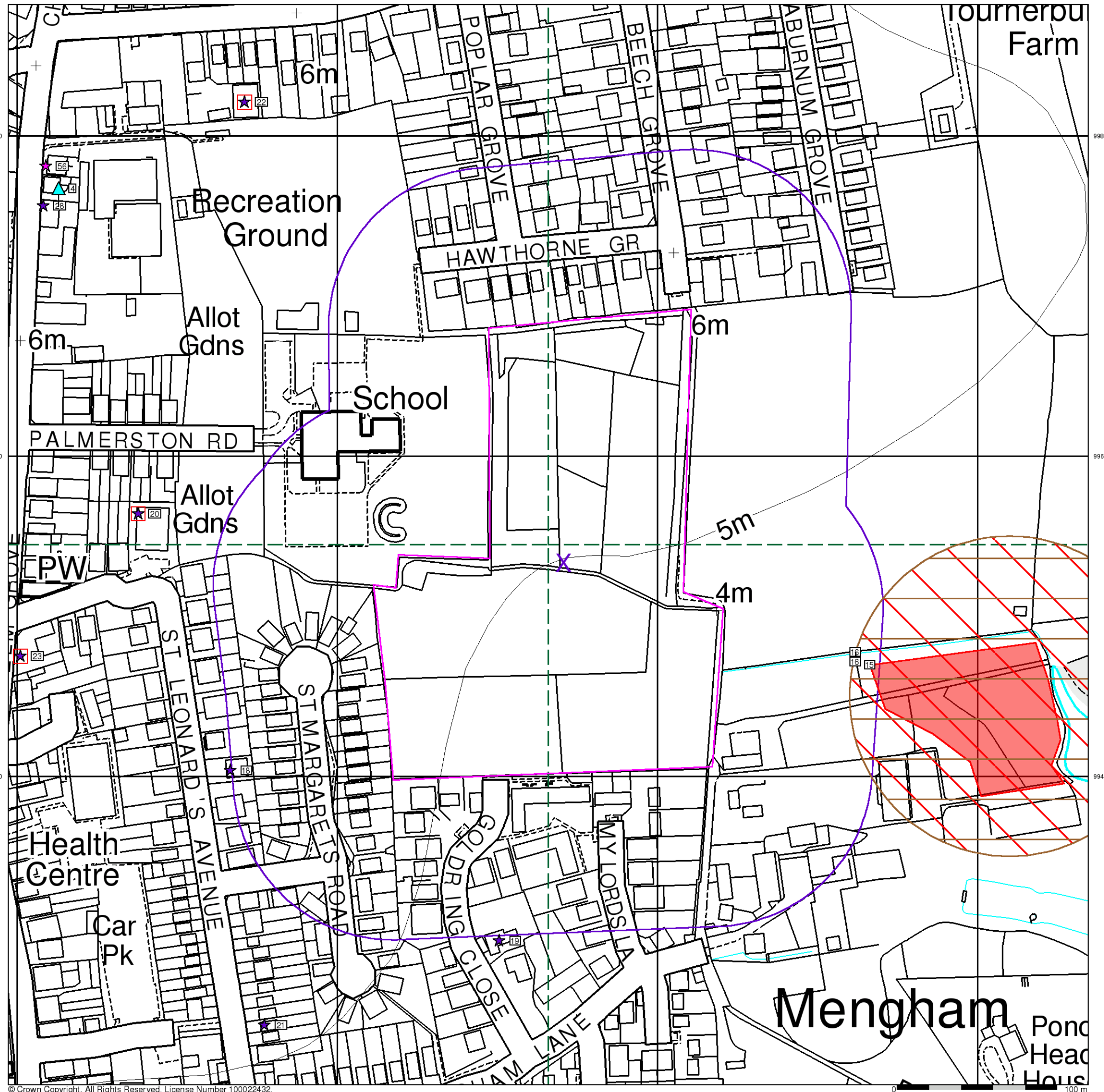


Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



General

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

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

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)
- 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

Hazardous Substances

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

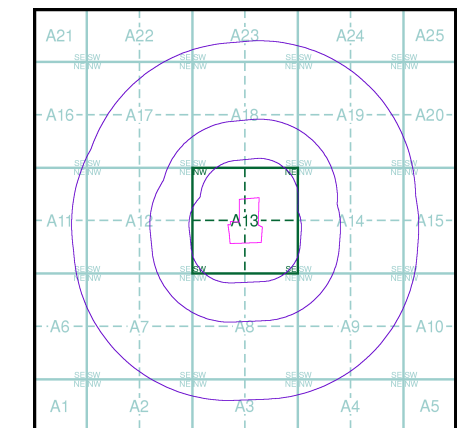
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A



Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
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 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



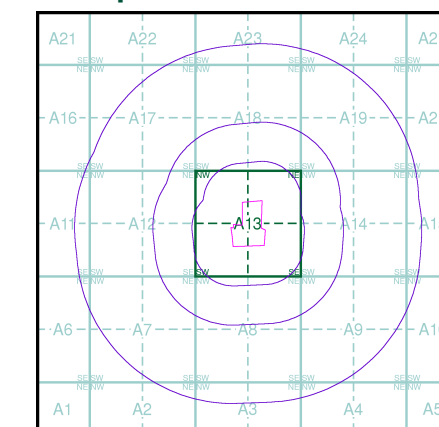
General

- 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

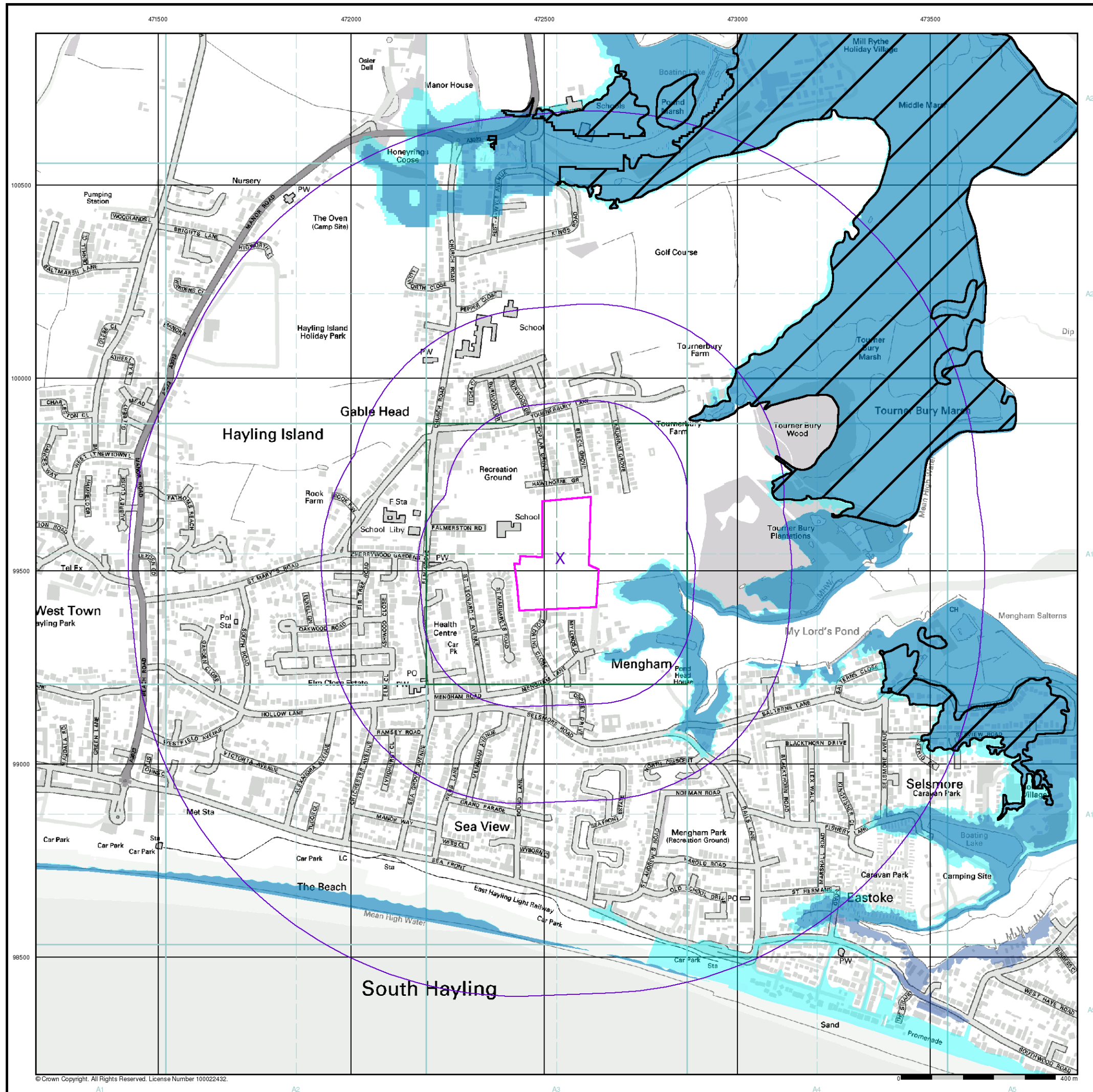


Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr,
 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP



General

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

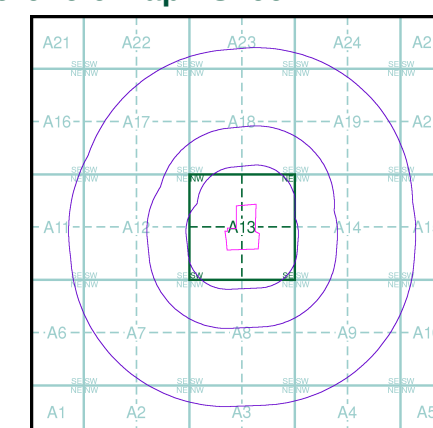
Agency and Hydrological (Boreholes)

-  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

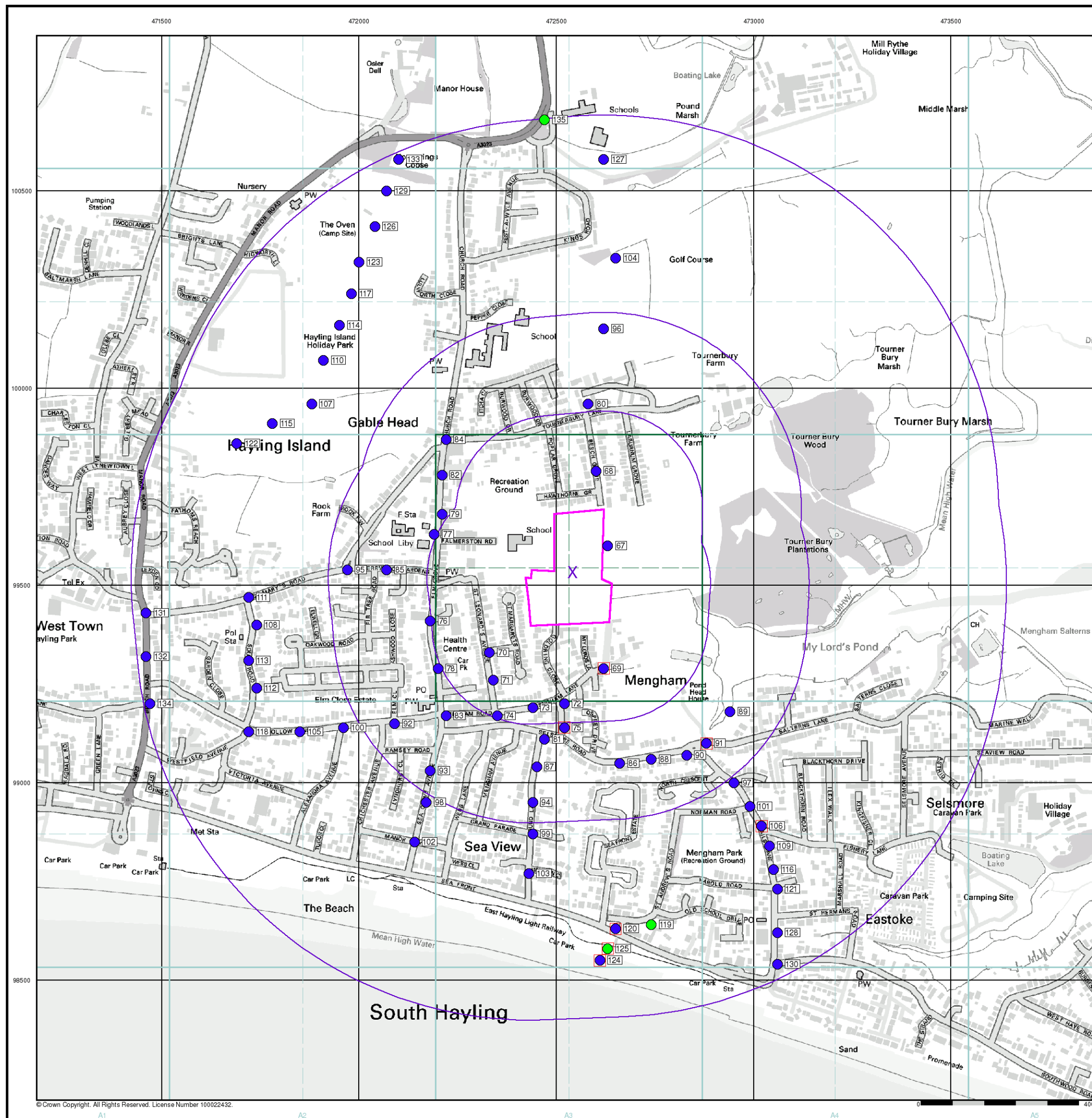


Order Details

Order Number: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
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Site Details

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 Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

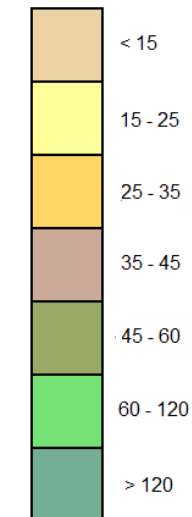


General

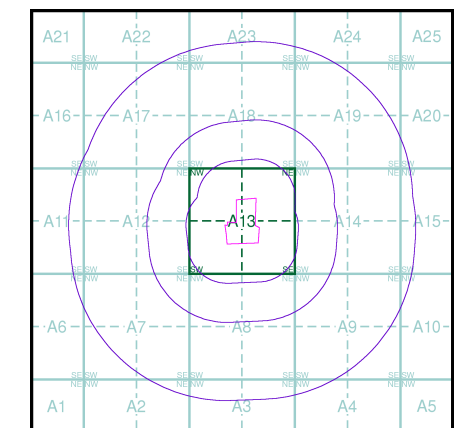
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

National Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



National Soil Chemistry Arsenic - Slice A

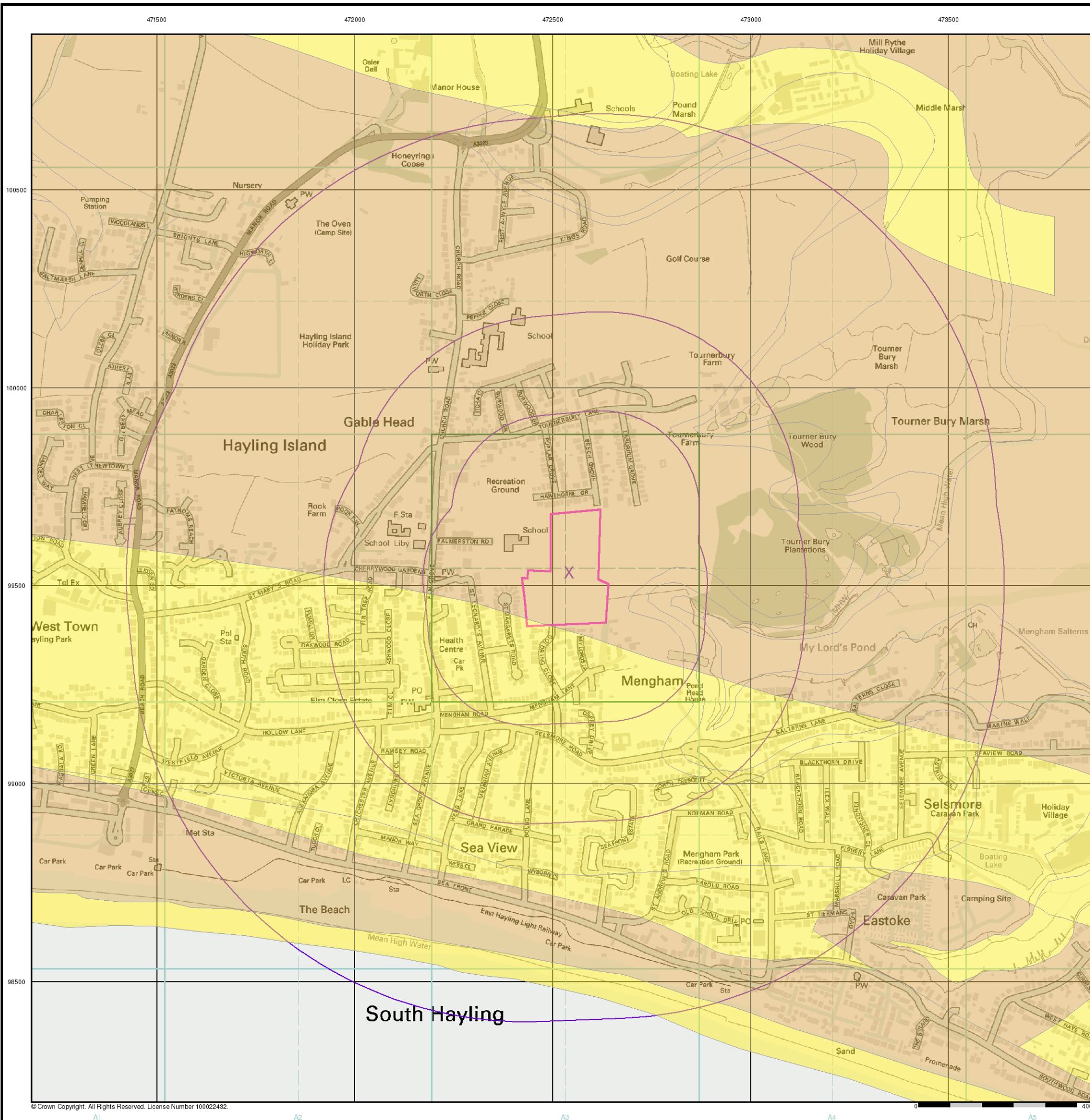


Order Details

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 Slice: A
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Site Details

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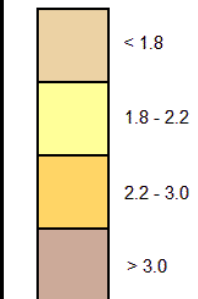


General

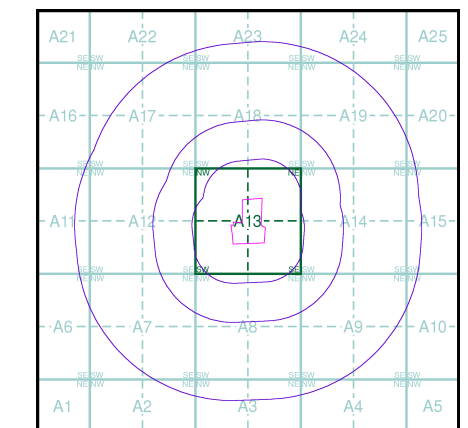
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

National Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



National Soil Chemistry Cadmium - Slice A

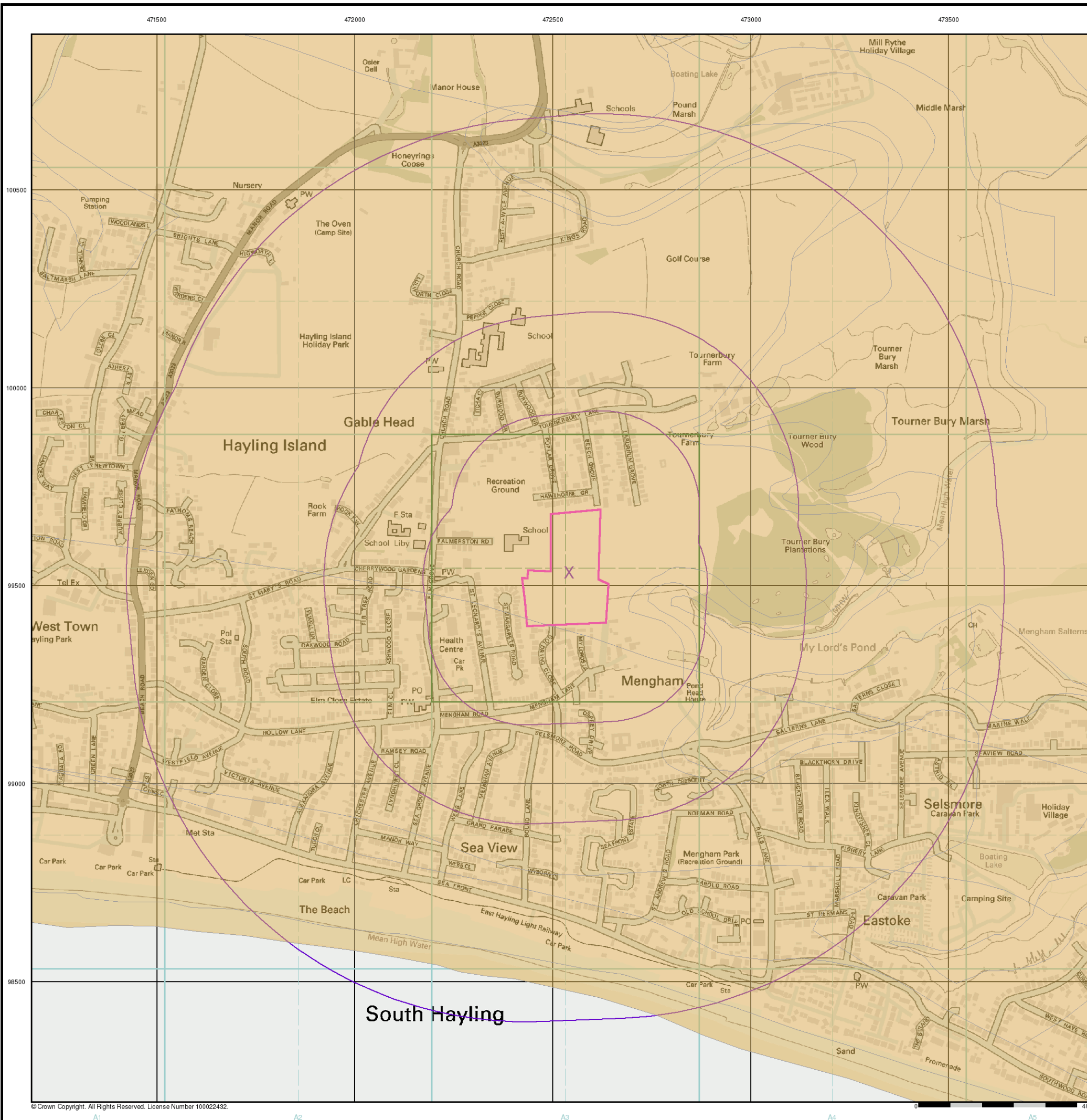


Order Details

Order Details: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

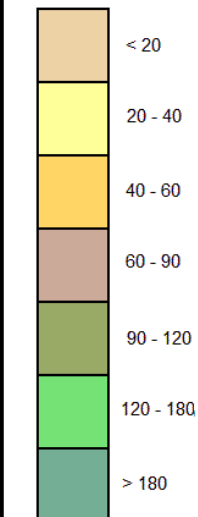


General

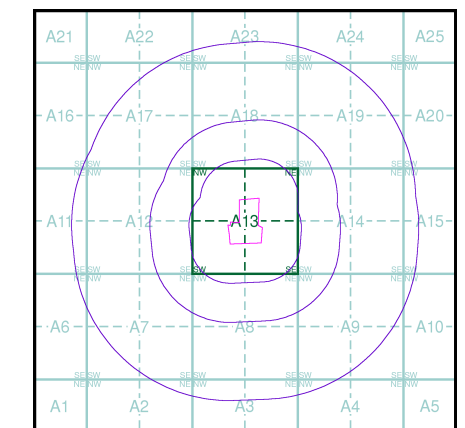
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

National Soil Chemistry Chromium

Chromium Concentrations mg/kg



National Soil Chemistry Chromium - Slice A

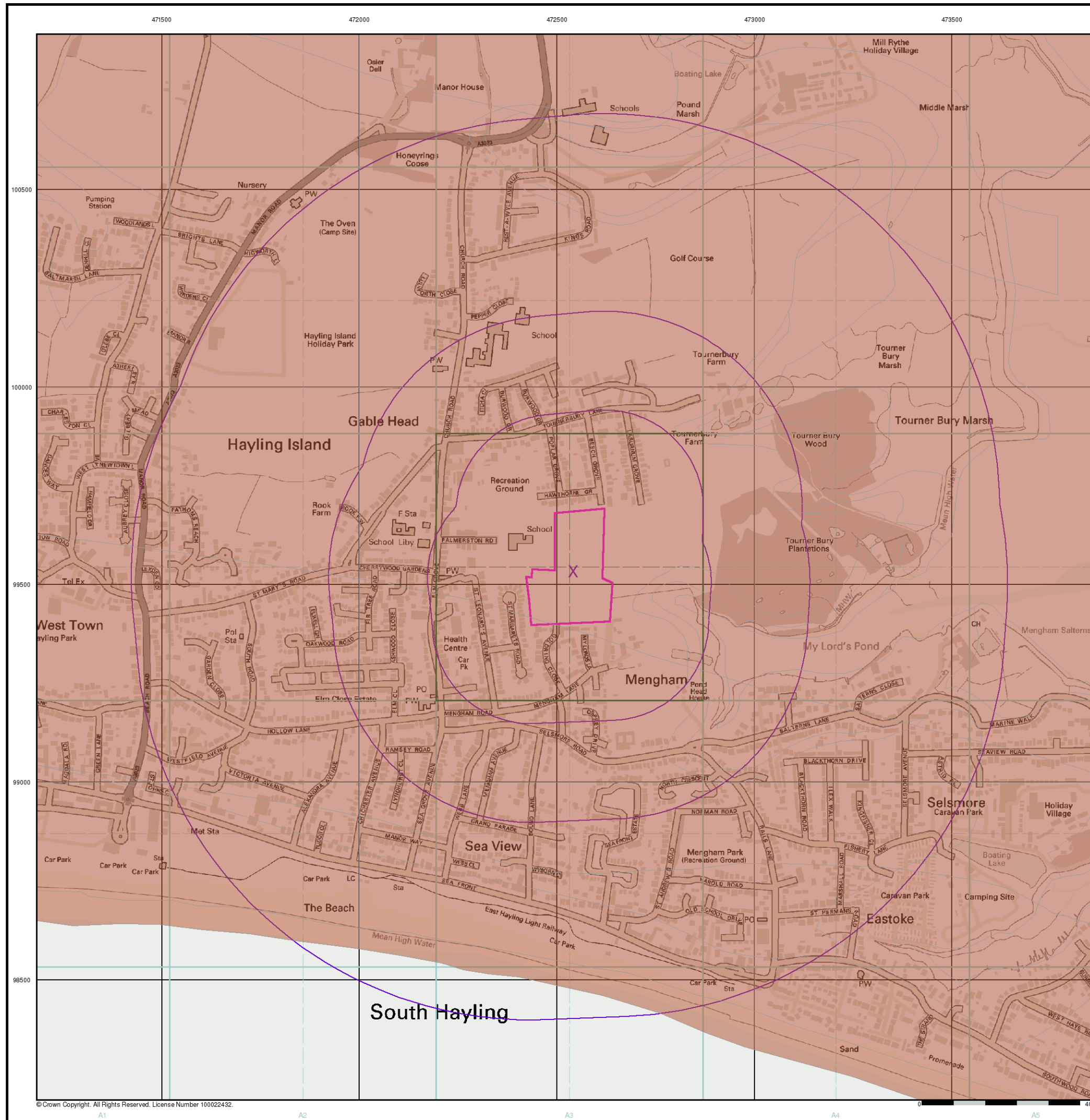


Order Details

Order Details: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

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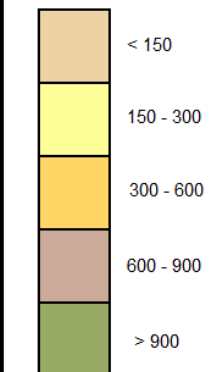


General

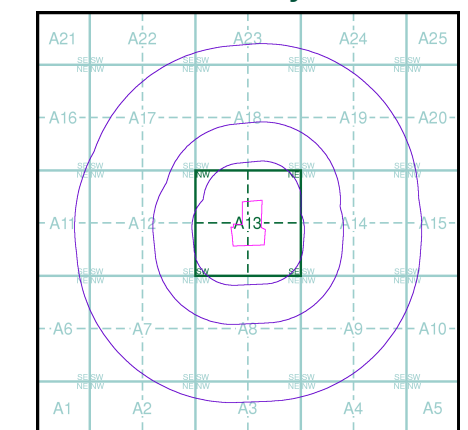
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

National Soil Chemistry Lead

Lead Concentrations mg/kg



National Soil Chemistry Lead - Slice A

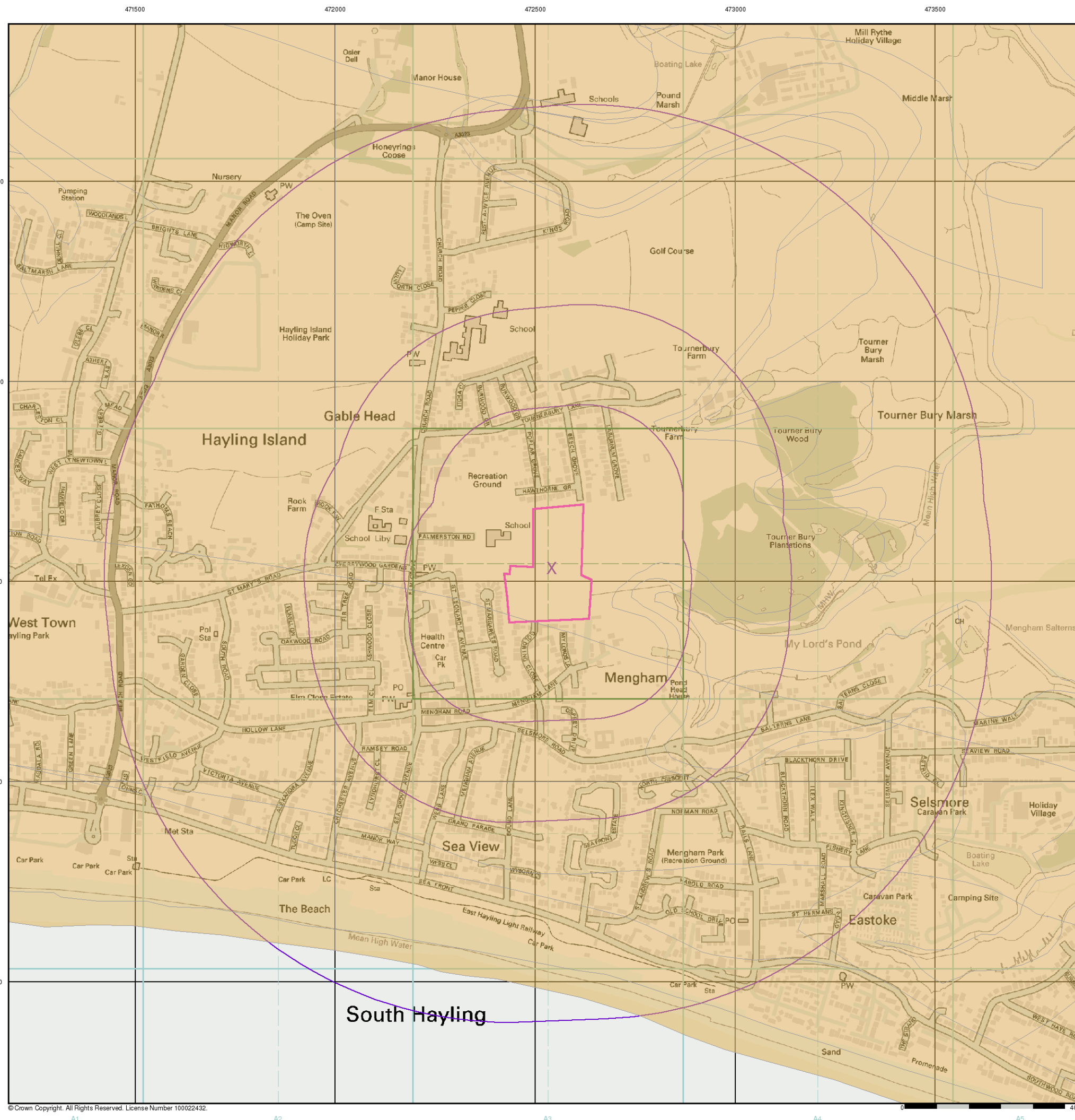


Order Details

Order Details: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

Land north of Goldring Close and south of Beech Gr, Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

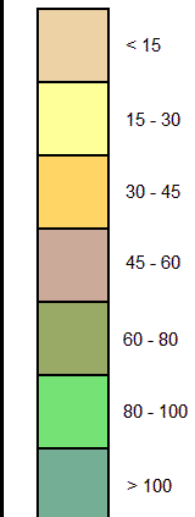


General

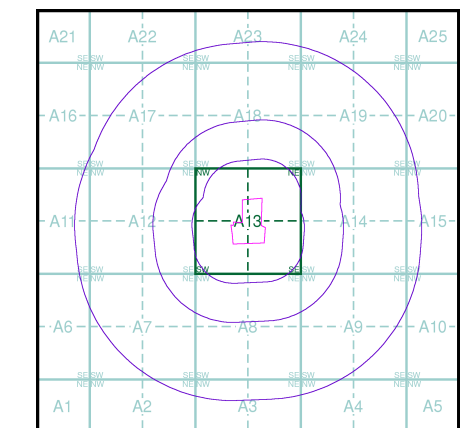
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

National Soil Chemistry Nickel

Nickel Concentrations mg/kg



National Soil Chemistry Nickel - Slice A

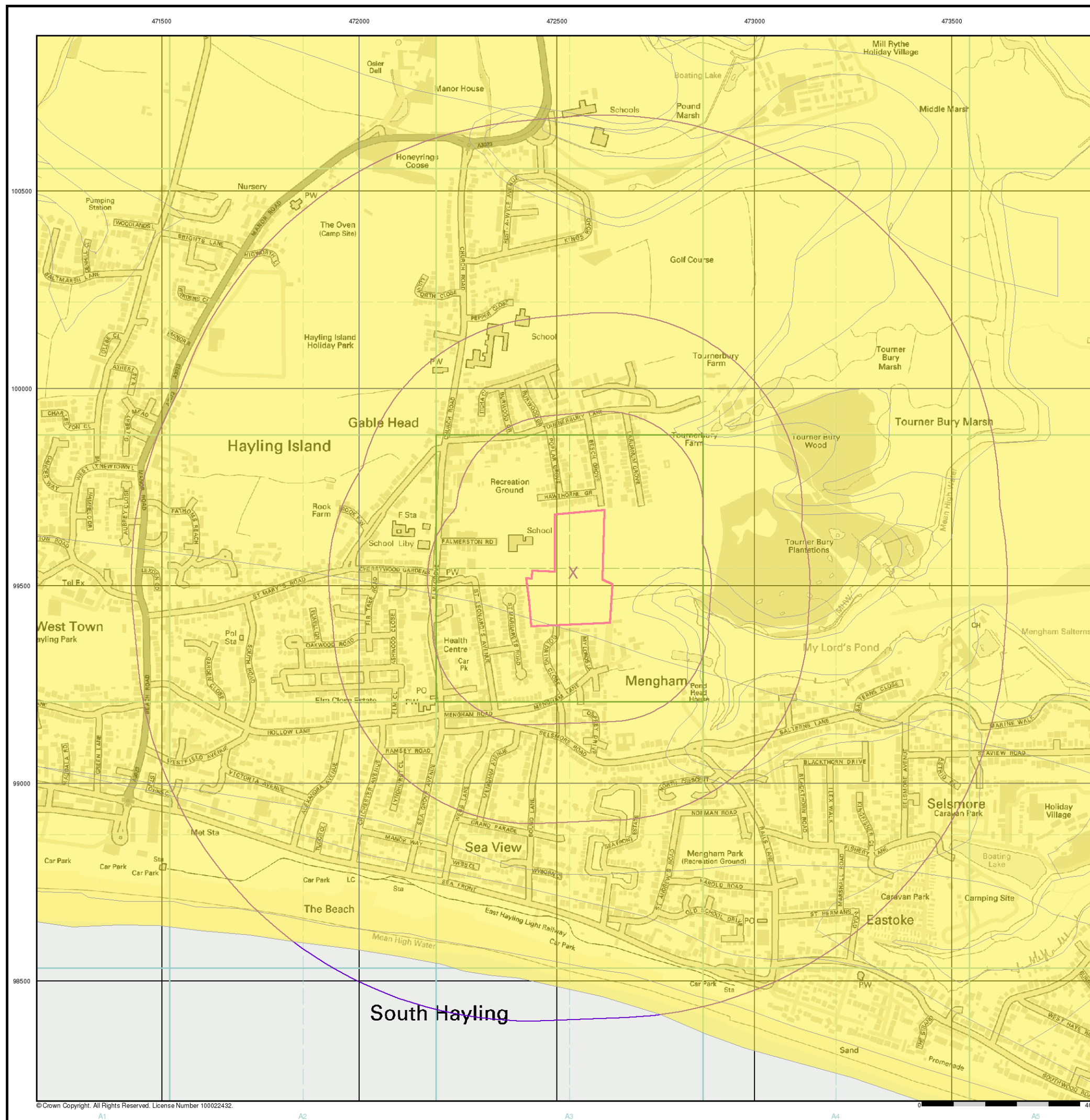


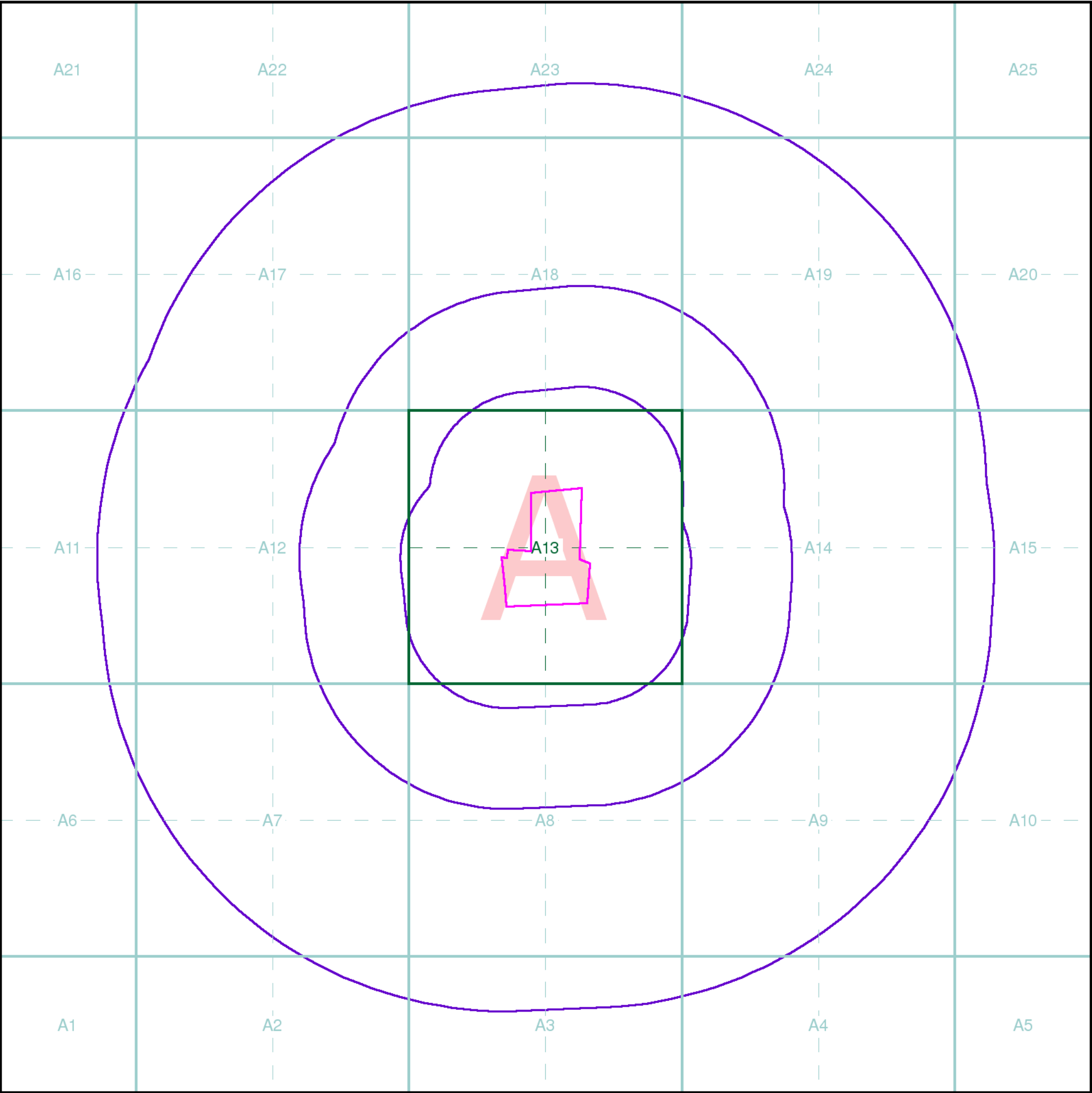
Order Details

Order Details: 38655090_1_1
 Customer Ref: 12925
 National Grid Reference: 472540, 99530
 Slice: A
 Site Area (Ha): 4.59
 Search Buffer (m): 1000

Site Details

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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details
Mr N Lambert, Soils Ltd, Newton House, Cross Road,
Tadworth, Surrey, KT20 5SR

Order Details
Order Number: 38655090_1_1
Customer Ref: 12925
National Grid Reference: 472540, 99530
Site Area (Ha): 4.59
Search Buffer (m): 1000

Site Details
Land north of Goldring Close and south of Beech Gr,
Mengham, HAYLING ISLAND, Hampshire, PO11 9BP

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/430>



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Appendix D Site Photographs



Site access from Beech Grove



View across site from Beech Grove Access Point



View (through trees) to Southern plot