

GROUND INVESTIGATION REPORT

for the land at

ST GEORGES WALK, WATERLOOVILLE, PO7 7TU

on behalf of

BURTON PROPERTY

GE10739/GIR/JUN15 St Georges Walk, Waterlooville, PO7 7TU
Ground Investigation Report Burton Property

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EXECUTIVE SUMMARY		
Site Details	Site Address	St Georges Walk, Waterloooville, PO7 7TU
	National Grid Reference	468090, 109400
	Site Area	0.08Ha
	Form of Development	Construction of a block of flats, with commercial space on the ground floor and areas of parking.
Encountered Conditions	Scope of works	The assessment comprised a desk study, preliminary risk assessment and intrusive investigation to confirm the ground and groundwater conditions and support the development of geotechnical and geo-environmental assessments of the site in relation to the proposed development.
	Ground Conditions	The ground conditions comprised Made Ground overlying sandy silty clays of the London Clay.
	Groundwater	Groundwater was encountered within several of the exploratory hole locations during the course of the intrusive investigation at depths ranging from 2.90m to 3.20m bgl. One groundwater monitoring standpipe was installed within WS5. Groundwater levels were monitored on two subsequent occasions at fortnightly intervals during June 2015, with depths of between 3.0m and 3.1m bgl being recorded.
Geotechnical Considerations	Foundations	The results of the geotechnical tests indicate the more cohesive parts of the London Clay to be classified <i>en masse</i> as Medium Volume Change Potential. Foundations should be taken to a minimum founding depth of 0.90m below existing or proposed final ground level and deepening will be required in the vicinity of trees. An allowable bearing value of 125kPa is considered appropriate for conventional trench fill, strip or pad foundations taken down through any Made Ground or Disturbed Ground and bear wholly into or onto the London Clay Formation.
	Floor Slabs	Suspended floor slabs are recommended throughout the development.
	Excavations	Shallow excavations should remain stable in the short term. Deeper excavations and those left open for longer periods and any excavations which encounter water are likely to become unstable rapidly. Under no circumstances should personnel be permitted to enter excavations during construction or maintenance.
	Drainage	The results from the falling head soakage tests indicate that it may be possible that conventional soakaways would perform satisfactorily on site, though full scale testing in accordance with BRE365 is recommended to confirm this assessment.
	Buried Concrete	The results of the water soluble sulphate and pH analyses indicate that buried concrete should be designed in accordance with Class DS-2 of BRE Special Digest 1, with an ACEC class of AC-1s. The advice of this publication should be taken for the design and specification of all sub surface concrete.
Environmental Considerations	Human Health	Laboratory analysis identified occasional isolated fragments of chrysotile asbestos in Made Ground at two locations. As the vast majority of the site is to be encapsulated in hardstanding there will be no significant pollutant linkage to the end user from the ACM's encountered, though further investigation is recommended within the area to be retained as soft landscaping to make further assessments. However, groundworkers and future maintenance workers will be at risk and therefore further

		assessments may be required in this respect. All asbestos encountered must be removed appropriately from site and disposed of at a suitably licensed facility.
	Groundwater	In the absence of any specific pollutant linkages or mobile contamination identified across the site, no risk mitigation measures are considered to be required.
	Ground Gases	In the absence of any specific pollutant linkages, no risk mitigation measures are considered to be required.
	Radon Gas	No radon protection measures are required.
	Waste Disposal	A single sample of Made Ground was submitted for WAC analyses. The results suggest that these materials would be classified as Inert Waste for the purpose of disposal. Once soils for disposal have been identified it is recommended that further WAC testing be undertaken to confirm the assessment
Further Action: - Undertake further investigation by trial holes and soil testing within the area to be retained as soft landscaping to provide a revised contamination risk assessment in respect of ACM's and perceived receptors such as site workers and end users. - A discovery strategy should be maintained during development such that any abnormal conditions (geotechnical or potential contamination) are identified and their potential impact on the proposed development assessed prior to determining any potential mitigation measures. <i>This Executive Summary is intended to provide a brief summary of the main findings and conclusions of the investigation.</i>		

1.0 INTRODUCTION

1.1 General

Geo-Environmental Services Limited (Geo-Environmental) was instructed by Burton Property to undertake an investigation of the geotechnical and geo-environmental factors pertaining to the proposed development at 8 St Georges Walk, Waterloooville, PO7 7TU (the site). The site's location is presented in Figure 1.

1.2 Form of Development

It is understood that the proposed development comprises a block of flats, with commercial space on the ground floor and areas of parking. It is understood that the plans are to maintain a small area of existing soft landscaping located on the south-western corner of the site.

1.3 Objectives

The investigation was to comprise a desk study of geotechnical and environmental factors pertaining to the site, including a review of available historical maps and an examination of other sources of geo-environmental and geotechnical information. Subject to the findings of the desk study, a Phase 2 intrusive investigation was to be undertaken into the geotechnical and geo-environmental conditions pertaining to the redevelopment of the site.

The data from the geotechnical investigation was to form the basis of an interpretation with respect to foundation design, pavement construction, concrete specification, excavation stability, soakaway design and other pertinent construction issues.

In terms of the environmental investigation, a Preliminary Risk Assessment (PRA) was undertaken as part of the desk study in accordance with CLR11, in order to provide a basis for the scope and rationale of the subsequent Phase II ground investigation. The data from Phase I and Phase II were then to form the basis of a subsequent Generic Quantitative Risk Assessment (GQRA). The objective of the risk assessments was to evaluate the risks posed to the proposed redevelopment, adjacent land uses, and the wider environment, in the context of the development options, likely planning requirements, immediate liabilities under the Environment Act 1990, and risks posed to Controlled Waters under the Water Resources Act.

1.4 Standards

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

- o National Planning Policy Framework – March 2012
- o Planning Policy Statement 23 – Planning and Pollution Control;
- o Model Procedures for the Management of Contaminated Land, CLR11, DEFRA and Environment Agency 2004;
- o Environment Agency Guidance on Requirements for Land Contamination Reports, Version 1 dated July 2005;

- o BS10175:2011 - Investigation of Potentially Contaminated Sites - Code of Practice, BSI 2011;
- o BS5930: 1999 - Code of Practice for Site Investigations, BSI 1999;
- o EN ISO 14688 Geotechnical Investigation and Testing Part 1-2002 and Part 2-2004;
- o BS1377: 1990 - Soils for Civil Engineering Purposes, BSI1990;
- o NHBC Standards Chapter 4.1 Land Quality - Managing Ground Conditions, September 1999;
- o NHBC Standards Chapter 4.2 Building Near Trees;
- o CIRIA C665 Assessing risks posed by hazardous ground gases to buildings (2007);
- o NHBC 10627-R01(04) Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (2007);
- o BS8485:2007 Code of practice for the characterisation and remediation from ground gas in affected developments.
- o The Ground Gas Handbook, Wilson, Card and Haines (2009)

1.5 Conditions

This report does not purport to be a “Geotechnical Design Report” as defined in Clause 2.8 of Eurocode 7 (Geotechnical Design BS EN 1997-1:2004) and some of the data used to support this preliminary geotechnical assessment may not be fully compliant with that design code. It is considered possible that further detailed ground investigations could be required to facilitate the detailed geotechnical design process and should be carried out on a structure specific basis if necessary.

The data collected from the investigations have been used to provide an interpretation of the geotechnical and/or environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained. Geo-Environmental takes no responsibility for conditions that either have not been revealed in the available records, or that occur between or under points of physical investigation. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.

It should be noted that in particular the concentrations and levels of mobile liquid and gaseous materials are likely to vary with time. The results obtained may therefore only be representative of the conditions at the time of sampling. This report should not be taken as any guarantee that a site is free of hazardous or potentially contaminative materials.

Information contained in this report is intended for the use of the Client and Geo-Environmental can take no responsibility for the use of this information by any party for uses other than that described in this report. Geo-Environmental makes no warranty or representation whatsoever express or implied with respect to the use of this information by any third party. Geo-Environmental does not indemnify the Client or any third parties against any dispute or claim arising from any finding or other result of this investigation report or any consequential losses.

Assessment criteria or other parameters developed for the evaluation of contamination on this site are based on a number of assumptions regarding exposure and toxicology. Exposure to contaminants and levels of adverse effects may therefore vary. Whilst reasonable care and expertise has been employed in the development of such criteria, no liability is accepted in this respect. Other criteria or guidance on the development of assessment criteria may be published in the future and no liability is accepted in this respect.

2.0 SITE CONTEXT

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

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

2.1 Site Description

The site comprised a predominately rectangular shaped area of land located on a relatively flat plot situated to the west of Hambledon Road, Waterloooville, at approximate National Grid Reference 468090 109400. The site can be divided into two areas for ease of description: area A and area B.

At the time of the site walkover, Area A comprised a roughly rectangular shaped parcel of land occupied by a detached two storey building located in the eastern portion of the site. To the rear, a rectangular asphalted area was observed together with a small brick building and a small grassed area in the southwest part of the site. The building appeared to be a single car garage.

Area B comprised a detached three storey building occupying the most central part of the site with asphalted areas to the front and rear being used for parking cars. A wide side passageway adjacent to the building to the north provided access to the rear of the building.

The site was bounded by Portland Road the south and Hambledon Road to the east. A row of adjoining building bounded the site to the north which appeared to be a mixture of residential and commercial premises. Large shrubs with terrace housing beyond bounded the site to the west.

The surrounding area comprised a mixture of residential and commercial properties including supermarkets, restaurants, public services and facilities.

2.2 Geology

British Geological Survey mapping indicated the geology of the site to comprise sandy to very silty clays of the London Clay Formation. Although given that the site has previously been developed it was considered that they may also be a mantle of Made Ground underlying parts of the site.

The term fill or Made Ground is used to describe material which has been placed by man either for a particular purpose e.g. to form an embankment, or to dispose of unwanted material. For the former use, the Fill and/or Made Ground may well have been selected for the purpose and placed and compacted in a controlled manner. With the latter, great variations in material type, thickness and degree of compaction invariably occur and there can be deleterious or harmful matter, as well as potentially methanogenic organic material. The BSI Code of Practice for Foundations, BS8004:1986 Clause 2.2.2.3.5 Made Ground and Fill, includes the caveat that "all made ground should be treated as suspect, because of the likelihood of extreme variability"

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

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

In the north London area the upper part of the London Clay has been disturbed by glacial action and may contain pockets of sand and gravel.

Within the Portsmouth area, the London Clay formation consists predominantly of silty sand sandy clay and silty sand, sporadic claystones occur and thin but persistent bands of rounded flint pebbles occur at the bases of sedimentary cycles. Lenticular bodies of sand such as the Whitcliff Sand and Portsmouth Sand fill channels in the upper parts of the formation.

A review of borehole logs from BGS records for nearby sites was undertaken as part of the desk study. The logs indicated a thickness of Made Ground overlying sandy clays with irregular partings of fine sand with clayey fine sands in place.

2.3 Hydrogeology

With reference to information provided by the Environment Agency, the site was indicated to overlie an Unproductive Strata (inferred to be the London Clay Formation). These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

The desk study indicated that the site was located within a Source Protection Zone 1c (subsurface activity only). A Source Protection SPZ is a protection zone placed around a well or borehole that supplies groundwater of potable quality. An SPZ is divided into three zones defined as follows:

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

2.4 Hydrology

No surface water features were observed on site. The nearest surface water feature identified was located 209m to the west of the site.

The information obtained as part of the desk study identified that the site was not located in an area at risk from flooding or extreme flooding from rivers or seas.

The desk study did not identify any discharge consents or pollution incidents to land and/or controlled waters within 250m of the site.

2.5 Sensitive Land Uses

A search was made of environmentally sensitive areas including local and national nature reserves, areas of outstanding natural beauty (AONBs), nitrate zones, Ramsar sites, sites of special scientific interest (SSSIs), conservation areas, special protection areas and biosphere reserves.

The site is located within an area designated as a Nitrate Vulnerable Zone (NVZ). A Nitrate Vulnerable Zone is designated where land drains and contributes to the nitrate found in “polluted” waters. Polluted waters include:

- Surface or ground waters that contain at least 50mg per litre (mg/l) nitrate;
- Surface or ground waters that are likely to contain at least 50mg/l nitrate if no action is taken;
- Waters which are eutrophic, or are likely to become eutrophic if no action is taken.

2.6 Environmental Data

A significant number of contemporary trade directory entries were located within 500m of the site including joinery manufactures, garage services, dry cleaners and furniture manufactures. Reference should be made to the Landmark Report in Appendix A.

The nearest contemporary trade entries reflect the retail and commercial land uses in the vicinity of the site. Given the types of industries identified and their location in relation to the site it is considered unlikely that these would have resulted in a detrimental environmental impact to the subject site.

One fuel station is listed in the Envirocheck Report within the vicinity of the site, 869m to the northwest.

2.7 Radon

According to the data supplied by the BGS the site is not located in a radon affected area, as less than 1% of homes are above the action level. The BGS also stated that no radon protection measures were necessary in the construction of new dwellings on the subject site.

2.8 Soil Chemistry

Data obtained as part of the desk study provides details on the estimated urban soil chemistry averages for the natural soils in the vicinity of the site. The estimated soil quality on the subject site is presented in Table 2.1.

Contaminant	Estimated Average Concentration
Arsenic	<15 mg/kg
Cadmium	<1.8 mg/kg
Chromium	60 – 90 mg/kg
Lead	<150 mg/kg
Nickel	15 - 30 mg/kg

Table 2.1 Estimated Soil Concentrations on site

The natural background concentrations were below respective published Soil Guideline Values and Generic Assessment Criteria and Category 4 Screening Levels for the protection of human health under a residential land use without plant uptake. However, these are indicative of the general natural conditions and do not take any account of anthropogenic activities which could have introduced contamination.

2.9 Geotechnical Data

The site was located within an area considered by the Coal Authority as being unlikely to be affected by coal mining activity.

National databases for a number of different geological hazards have been compiled by the BGS, and a summary of the hazard data pertaining to the site itself is presented in Table 2.2.

Hazard	Designation
Collapsible ground	Very Low Hazard
Compressible ground	No Hazard
Ground dissolution	No Hazard
Landslide	Very Low Hazard
Running sand	No Hazard to Very Low Hazard
Shrinking or Swelling clay	Low Hazard

Table 2.2 Summary of BGS Geological Hazards

2.10 Landfill and Waste Management Facilities

A search of BGS recorded landfill sites, IPC registered waste sites, licensed waste management facilities, local authority recorded landfill sites, other registered landfill sites, waste transfer stations and other waste treatment or disposal sites was undertaken as part of the desk study. Such sites may form an artificial source of ground gases, such as carbon dioxide and methane, where wastes are buried or disposed of to landfill.

The desk study identified the following sites within 1km of the site boundary:

- *Licensed Waste Management Facility.* Waterloo H W R C, Hambledon Road, Waterloo, Hampshire, PO7 7UL operated by Hopkins Recycling Ltd, Household Waste Amenity Sites, located 350m northwest.
- *Historical Landfill Site.* South of Cemetery, Hulbert Road, Waterloo. Located 571m east.
- *Local Authority Recorded Landfill Sites.* Hulbert Road, Waterloo operated by Havant Borough Council, Environmental Health Department, located 573m east.

2.11 Historic Mapping

Historic maps dating back to 1870 were obtained as part of the desk study. A summary of the apparent key features observed on the map extracts both on the site and within the local area is presented within Table 2.3

Date	Onsite Changes	Offsite Changes
1870	The site comprised two residential houses with adjacent gardens. A small structure was noted in the northern garden.	The surrounding area comprised the town of 'Waterloo' with mostly residential housing immediately south and south east of the site. The area to the north and west comprised mostly open grassland and woodland with scattered farms.
1879 - 1881	No significant changes noted.	Residential development c.600m northeast of the site.
1897	No significant changes noted.	'Allotment Gardens' noted c.200m west of the site.
1897-	No significant changes noted.	No significant changes noted.

1898		
1909	No significant changes noted.	No significant changes noted.
1909-1910	No significant changes noted.	No significant changes noted.
1932	No significant changes noted.	'Motor Works' noted c.50m south east of the site.
1933	No significant changes noted.	Residential development noted c.600m north west and c.800m south west of the site.
1938-1942	No significant changes noted.	No significant changes noted.
1947-1949 (aerial)	No significant changes noted.	No significant changes noted.
1953-1965	A small structure was noted on the southern part of the site.	No significant changes noted.
1961-1977	A small structure was noted on the northern edge of the site.	No significant changes noted.
1962-1963	No significant changes noted.	Major residential development noted c.800m south of the site.
1966	No significant changes noted.	'Garage' noted c.200m north of the site. 'Mortuary' noted c.50m west of site.
1972-1989	Only one structure is visible in the centre of the north half of the site.	No significant changes noted.
1973-1974	No significant changes noted.	No significant changes noted.
1977-1989	No significant changes noted.	Major road development noted with large roundabout c.200m north west of the site.
1980-1982	No significant changes noted.	No significant changes noted.
1983	No significant changes noted.	No significant changes noted.
1984-1990	No significant changes noted.	No significant changes noted.
1991-1992	No significant changes noted.	No significant changes noted.
1993	A small structure was noted occupying the central portion of the site.	'Superstore' noted c.100m west of site.
2006	No significant changes noted.	No significant changes noted.
2015	No significant changes noted.	No significant changes noted.

Table 2.3 – Overview of Historical Mapping

The map extracts indicated a footprint of two residential buildings partially occupying the west of the site since the earliest mapping period. Additional small structures were noted in the southwest part of the site c. 1953.

The surrounding area was noted to have comprised primarily residential land use during the earliest mapping period with a few scattered farms located mainly to the northwest. The land to the northeast of the site was subsequently developed between 1933 and 1962 including garages, offices and banks. Significant development occurred to the west and north of the site on the map extracts of 1977.

2.12 Previous Ground Investigations

Geo-Environmental was not aware of any previous investigations that had been undertaken in relation to the subject site.

2.13 Potential Contamination

The information obtained from the desk study indicated that the site has comprised a primarily residential land use since the earliest mapping period c.1870. Whilst the site and surrounding land are shown to have been developed since the earliest mapping period, the historical mapping and desk study have not identified any significantly polluting activities on or in close proximity to the subject site itself.

However as the site has previously been developed there is the potential that Made Ground may be present on the site, which may represent a potential source of contaminants such as metals, inorganic compounds, organic compounds and the like. In addition, given that part of the site is currently utilised for a car washing operation there is the potential for localised contamination associated with this use, although the site is noted to be underlain by hard standing.

On the basis of an assessment of the desk study data for the site, the following potential contaminants were considered most likely to be associated with historic and/or current site activities:

- Arsenic, Beryllium, Barium, Boron, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Vanadium, Zinc, cyanide, nitrate, sulphate, asbestos, phenol, oil/fuel hydrocarbons, aromatic and aliphatic hydrocarbons and polyaromatic hydrocarbons.
- Potential ground gases methane, carbon dioxide, depleted oxygen, and VOCs

2.14 Ground Gas Summary

The desk study has identified the potential for a mantle of Made Ground to be present beneath the site, which if identified and has significant organic content, could also result in a potential source of ground gases. The generation and/or release of such gases may be sufficient so as to warrant the incorporation gas protection measures within the proposed residential development. As such should a significant thickness of Made Ground be identified beneath the site it is recommended that a period of spot gas monitoring be undertaken to confirm the assessment.

3.0 PRELIMINARY ASSESSMENT

A preliminary assessment based on the results of the desk study, is developed in the following sections.

3.1 Potential Geotechnical Issues

The following factors that might impact the geotechnical condition of the site were identified as part of the desk study:

- The possible presence of Made Ground or filled ground which if encountered may affect the foundation design and construction.
- Differential settlement due to local heterogeneity of the London Clay Formation.
- The presence of below ground obstructions and the effect this may have on foundation design and the like.
- The presence of laterally and vertically variable strata and the impact these could have on further construction.
- The presence of shrinkable soils and the effect this may have on foundation design.
- The presence of shallow groundwater and /or perched water beneath the site.

3.2 Preliminary Environmental Conceptual Site Model & Risk Assessment

3.2.1 Methodology

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

A risk of harm may only exist where a plausible pollutant linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. Under the statutory definition, "Contamination" may only strictly exist where contaminants pose a risk of harm to a receptor. The risk classification has been assessed in accordance with CIRIA C552 (Rudland et al., 2001). A summary of how the risks are derived and their definitions are presented in Tables 3.1 and 3.2.

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

	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk
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Table 3.1 Risk Ratings Matrix

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

Table 3.2 Risk Rating Definitions

3.2.2 Summary of Plausible Sources

Possible sources of contamination identified from the desk study are summarised in Table 3.3.

Source	Description	Contaminants
Shallow Soils	General background chemical quality of shallow soils.	Possible elevated metals, non-metals and organic contaminants.
Made Ground (including localised impacts from car washing)	The desk study has identified the potential for a mantle of Made Ground to be present on the subject site. Generic contaminants could be associated with any Made Ground, if/where present on site.	Possible elevated concentrations of metals, metalloids, TPH and PAH compounds, and asbestos in Made Ground (if present).
Ground Gases and Vapours	There is the potential Made Ground associated with the former development on the site, which if	Possible elevated concentrations of methane, carbon dioxide, depleted oxygen, VOCs and flow of gas within the ground.

Source	Description	Contaminants
	present could result in the presence of ground gases on site.	

Table 3.3 Possible Sources of Contamination**3.2.3 Summary of Plausible Pathways**

The plausible pathways are summarised in Table 3.4. These pathways are based on the proposed residential end use.

Pathway	Description
Direct Contact	Ingestion of soil particles, inhalation of soil derived dust (including tracked back dust), dermal contact).
Gas Inhalation	Inhalation of hazardous ground gas (if present) both inside and outside of buildings.
Vertical & Lateral Migration	Contaminant movement both vertically through leaching/gravity and horizontally along preferential pathways, e.g. services trenches, or with groundwater; dissemination and/or diffusion throughout the soil mass; and migration along natural higher permeability zones such as bedding planes, joints and the like. Vertical migration associated with in-ground structures, e.g. foundations, drainage and soakaways.
Root Uptake	Uptake of soil and waterborne contaminants by plants.
Chemical Attack	Attack of buried plastics and concrete by aggressive ground conditions.
Plume migration	Contamination migration as a plume within the saturated or unsaturated zone.

Table 3.4 Possible Contamination Pathways**3.2.4 Summary of Plausible Receptors**

Potential receptors associated with the site and its development are summarised in Table 3.5.

Receptor	Description	Comments
Site Workers	Persons involved in construction and future maintenance of the proposed development.	Ground workers could become exposed during demolition, construction and maintenance.
End Users	End users of the proposed development.	Occupants of the proposed residential units, though it is noted that only a very small area of communal soft landscaping was proposed.
Soft Landscaping	Possible areas of planting including shrubs, trees, etc.	Limited areas of communal/amenity soft landscaping are proposed as part of the development.
Built Environment	Buried concrete for foundations and plastics for potable water supply pipes may be laid in contact with contaminated soils.	Aggressive ground conditions and Made Ground may be present beneath the site, although likely to be limited in extent where present.
Adjacent Land Users	Sensitive land uses identified within the immediate vicinity.	The site is located within an area of mixed use, with a supermarket and commercial land uses as well as residential in close proximity.
Groundwater	Controlled Waters contained within the aquifer(s) beneath the site.	The site was identified as being located over an Unproductive Strata, and within a Source Protection Zone 1c (subsurface activity only).

Receptor	Description	Comments
Surface Water	Controlled Waters within lakes, rivers, and ponds, etc., or coastal waters.	No surface water receptors were identified on the subject site itself. The nearest surface water feature identified was located 209m to the west of the site.
Ecological Receptors	Sensitive areas of ecological significance in the vicinity of the site.	The site is located within an area designated as a Nitrate Vulnerable Zone (NVZ).

Table 3.5 Possible Receptors of Contamination

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

Whilst the above sources and receptors have been identified, Table 3.6 summarises the identified plausible pollution linkages and a qualitative assessment of the risks based on the desk study research.

Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Consequence	Risk and Justification
Shallow natural soils	End users	Direct contact and inhalation / ingestion of soil derived dust	Unlikely	Minor	Very Low End user exposure would be associated with soft/amenity landscaped areas, though it is understood that this is to be very limited in area. Whilst naturally occurring concentrations are unlikely to represent gross contamination, it is possible that measures may be required to protect end users from specific naturally occurring substances.
	Soft Landscaping	Root Uptake	Unlikely	Minor	Very Low Very limited areas of soft landscaping is included within the proposed development. Where contaminated areas are identified appropriate remediation would be undertaken.
	Adjacent land users	Direct contact	Unlikely	Minor	Very Low Adjacent land users are unlikely to come into contact with the soils on site, due to the nature of the sites location, surrounding land uses and proposed development.
	Water supply pipes	Direct contact	Unlikely	Minor	Very Low It is possible that water supply pipes could come into contact with impacted soils depending upon depth of installation and extent of any soil impact. Significantly contaminated soils are not anticipated based on the site history.
	Buildings and infrastructure	Direct contact	Likely	Minor	Very Low It is likely that foundations and infrastructure will be constructed within or extending through shallow soils and natural soils are unlikely to be aggressive.
	Groundwater	Vertical migration	Unlikely	Minor	Very Low Whilst the site has been identified as being underlain by an Unproductive Strata and within a Source Protection Zone 1c (subsurface activity only). The natural shallow soils on site are unlikely to be of very low permeability; as such the risk of groundwater contamination associated with the natural soils on site is very low.
	Surface Water	Lateral Migration	Low	Minor	Very Low The closest surface water feature identified was located 209m to the west of the site.
Made Ground	End users	Direct contact and inhalation / ingestion of soil derived dust	Unlikely	Minor	Very Low End users could become exposed to contaminated Made Ground (if identified on site) in soft landscaped areas or due to soil dust exposure, though this is very unlikely given the size of the area proposed for soft landscaping. Remedial/risk mitigation action, e.g. provision of clean cover, could be required to break pollutant linkages and be protective of human health where contaminants are identified.
	Soft Landscaping	Root Uptake	Unlikely	Minor	Very Low Areas of soft landscaping are very limited within the proposed development
	Adjacent land users	Direct contact	Likely	Mild	Moderate/Low Adjacent land user exposure may occur due to dust exposure which would be mitigated by dust prevention during development and clean cover to soft landscaped areas. However the adjacent land use comprise a supermarket, bank, car park are noted to be similar in nature to the current site use and proposed development.
	Water supply pipes	Direct contact	Likely	Mild	Moderate/Low It is possible that water supply pipes could come into contact with impacted soils depending upon depth of installation and extent of any soil impact.
	Buildings and infrastructure	Direct contact	Likely	Low	Moderate/Low

Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Consequence	Risk and Justification
					Foundations and utilities will be constructed in/through Made Ground soils if identified which may be aggressive to construction materials.
	Groundwater	Vertical migration	Likely	Mild	Moderate to Low Leaching of contaminants out of the Made Ground in to the underlying Unproductive Strata could occur but would be inhibited by the construction of buildings and external hard cover. In addition, the presence of cohesive soils of the London Clay the site would reduce soil permeability and thus also inhibit or reduce infiltration.
	Surface Water	Lateral Migration	Low	Mild	Low The closest surface water feature identified was located 209m to the west of the site. In addition migration would be impeded by the clayey characteristics of the London Clay at shallow depth through which migration to surface water would be likely to occur.
Ground Gases and Vapours	End Users	Inhalation	Low	Medium	Low Ingress of hazardous ground gas through floor slabs, service penetrations, wall cavities and the like could occur and could result significant harm where ground gases are identified on site, or migrating cross boundary onto the site. Incorporation of gas protection measures could mitigate the risk of harm. However, given the geology of the site the likelihood of significant ground gas concentrations is of a low order
	Adjacent Land Users	Inhalation	Low	Mild	Low Where present migration of hazardous gases could occur and thus impact on adjacent land users. Off-site migration could be inhibited to some degree by the clayey characteristics of the natural soils, although service trenches and the like could create artificial migration pathways. However the risk from Ground gases associated with the site and surrounding land uses is likely to be low.

Table 3.6 Plausible Pollutant Linkages & Qualitative Risk Assessment



3.3 Preliminary Risk Assessment Summary

The PRA and CSM developed from the information gathered as part of the desk study have identified plausible potential pollutant linkages that exist in relation to the proposed redevelopment of the site.

The potential pollutant linkages established within this PRA are not considered to prevent development on the subject site, but could require investigation and assessment to support further characterisation, calibration of the CSM and where/if necessary determine a remedial strategy to reduce, remove or otherwise control any risk within the site to key receptors.

3.4 Scope of Works

In summary, the following scope of works for the intrusive investigation was agreed with the Client.

- The clearance of intrusive investigation locations using Ground Penetrating Radar (GPR) and CAT avoidance tool.
- The construction of Window Sampler boreholes at 5No. locations to provisional depths of 4m bgl.
- Two indicative falling head soakage tests within the Window Sampler boreholes, to provide an initial indication of permeability.
- Installation of one combined ground gas and groundwater monitoring wells within one of the Window Sampler boreholes.
- Return visit on two occasions to record ground gas data and groundwater depths within the monitoring well.
- Geotechnical laboratory testing on soil samples recovered from the exploratory holes to support the geotechnical assessment.
- Geochemical laboratory testing on four selected soils to support a screening assessment for soil contamination.
- Geochemical laboratory on a representative sample for Waste Acceptance Criteria (WAC) testing, to classify materials for the purpose of disposal.
- Provision of a Ground Investigation Report.

3.4 Investigation Strategy

The positioning of exploratory holes was determined to provide general coverage of the site. Table 3.7 sets out the general strategy adopted for the environmental assessment and Table 3.8 sets out the geotechnical investigation strategy adopted.

Environmental Area of Concern	Investigation	Positions
General ground conditions	Window sampler boreholes located across the site.	All
Ground gas regime	Installation of monitoring wells and subsequent 'spot' monitoring.	WS5
Quality of near surface soils and suitability for re-use in a residential end use	Window sampler boreholes located across the site coupled with laboratory analysis of selected near surface soil samples for commonly occurring contaminants.	All

Table 3.7 Summary of Environmental Investigation Strategy

Soil samples were collected and placed into amber jars and cool boxes on site for transit to the office, where they were stored under chilled conditions (<4°C) prior to final transportation in cool boxes to the laboratory by their in-house courier. Both the geotechnical and contamination testing were undertaken by UKAS accredited laboratories. Contamination testing of soil samples was also undertaken in accordance with accredited MCERTs protocols. Samples were stored in temperature controlled conditions from sampling until receipt at the laboratory from which time sample preparation and storage was determined by testing requirements and in line with laboratory's protocols.

Geotechnical Factor	Investigation	Positions
Competent strata and variability in ground conditions	Exploratory holes located across the site, sampling and laboratory analysis.	All
Shallow ground conditions	Exploratory holes located across the site, sampling and laboratory analysis.	All
Groundwater	Installation of monitoring wells.	WS5
Permeability	Falling head soakage testing	WS1 and WS4

Table 3.8 Summary of the Geotechnical Investigation Strategy



4.0 ENCOUNTERED CONDITIONS

A factual record of the conditions encountered during the physical investigation of the site is presented in the following sections.

For further details of the ground conditions, reference should be made to the exploratory hole logs presented in Appendix B, the ground gas assessment presented in Appendix C, the geotechnical testing results in Appendix D and geochemical testing results in Appendix E.

Unless stated otherwise, all depths are reported as metres below ground level (m bgl).

4.1 Soils

The ground conditions encountered were broadly consistent with those anticipated from the desk study, i.e. with a succession of Made Ground overlying sandy silty clays of the London Clay. The ground conditions are summarised in Table 4.1.

Top (m bgl)	Base (m bgl)	Description
0	0.45 – 0.55	MADE GROUND: Tarmacadam over concrete with dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete, flint, chalk and ash.
0.45 – 0.55	4.0	LONDON CLAY: Soft to very stiff dark greyish brown silty CLAY with frequent pockets of orange fine sand and bands of very sandy silty CLAY.

Table 4.1 Summary of Ground Conditions

Whilst no organoleptic evidence of contamination was identified during the logging/description process, the recovered soils were sampled for laboratory analysis to clarify the PRA and site observations.

4.2 Groundwater

Groundwater was encountered within several of the exploratory hole locations (WS1, WS2, WS4 and WS5) during the course of the intrusive investigation at depths ranging from 2.90m to 3.20m bgl.

On completion, one groundwater monitoring standpipe was installed within WS5. Groundwater levels were monitored on two subsequent occasions at fortnightly intervals during June 2015, with depths of between 3.0m and 3.1m bgl being recorded.

It should also be noted that changes in groundwater levels do occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a series of standpipes or piezometers installed within appropriate response zones.

4.3 Obstructions

No further progress was possible with the window sampler within WS3 due to a thick concrete layer obstruction at 0.55m which prevented further drilling. As a result, a second hole (WS3A) was drilled adjacent to WS3, although the same obstruction was noted at a depth of 0.55m. Consequently no further drilling was possible at this location.

4.4 Ground Gases and Vapours

Ground gas monitoring was undertaken on two separate occasions as part of the investigation works within the monitoring standpipe installed within WS5.

During the monitoring, methane and carbon dioxide were not found to be present. Oxygen was present in the range of 19.1 – 20.6% v/v. A flow rate of 0.0 l/hr was detected during the monitoring. Atmospheric pressure was recorded at 1012mb on both occasions.

On the basis of the ground gas assessment and supported by the data presented in Appendix D, it is considered that the site's gassing regime is representative of Characteristic Situation 1 (BS8485 and CIRIA) and Green (NHBC) for which no gas protection measures would be required.

4.5 Chemical Analysis

In order to assess the general chemical quality of the strata encountered, samples of soils recovered from the exploratory holes were submitted for analysis for a range of potential contaminants selected on the basis of the findings of the desk study and supported by CLR publication CLR8 and Environment Agency R&D66 publication.

The testing rationale included sampling and analysis to provide a general coverage from the exploratory hole locations. Testing was undertaken for a broad range of commonly occurring contaminants including metals, metalloids, inorganic compounds, speciated TPH, PAH and asbestos.

4.6 Geotechnical Testing

Geotechnical laboratory tests were undertaken on selected samples encountered within the exploratory holes. The results are summarised in Table 4.2 and test results are presented in Appendix D.

Parameter	Stratum
	London Clay
Moisture Content (%)	24 – 29
Liquid Limit (%)	52 – 64
Plastic Limit (%)	20 – 25
Plasticity Index (%)	29 – 40
Modified Plasticity Index (%)	28.5 – 40
pH	7.51 – 7.67
Water soluble sulphate (g/l)	0.07 – 0.25

NOTE: Modified plasticity index is defined in NHBC Standards Chapter 4.2

Table 4.2 Summary of Geotechnical Laboratory Test Results

Seven Atterberg Limits and an additional three moisture content tests were undertaken on samples of

the London Clay. The results indicated Plasticity Indices of 29 to 40, with a corresponding Moisture Content of 24% to 29% and calculated Modified Plasticity Indices of 28.5 to 40. The results shown on the Plasticity Chart suggest clays of high plasticity and of Medium volume change as defined by the NHBC Standards Chapter 4.2.

A laboratory CBR test was undertaken on a bulk sample of soil taken from shallow depth from WS3. The results indicated the sample tested to have an average CBR value of 4.2%.

Two pH and water soluble sulphate determinations were undertaken on samples recovered from the intrusive locations. The results indicate pH values of between pH7.5 and pH7.6 with corresponding water soluble sulphate concentrations ranging from 0.07g/ℓ to 0.25g/ℓ.

5.0 ENGINEERING CONSIDERATIONS

Subsequent to intrusive investigation of the site and receipt of the laboratory test results, the following geotechnical assessments have been made.

5.1 Foundations

The ground and groundwater conditions encountered within the boreholes are considered suitable for the use of conventional trench fill, isolated pad or strip footings. All foundations should be taken through any Made Ground or Disturbed Ground and bear wholly into or onto the London Clay Formation.

The results of the geotechnical tests indicate the more cohesive parts of the London Clay to be classified *en masse* as Medium Volume Change potential in accordance with the NHBC Standards, Chapter 4.2. Any new foundations should be taken to a minimum founding depth of 0.90m below existing or proposed final ground level and deepening will be required in the vicinity of trees, in accordance with the requirements of the NHBC Standards Chapter 4.2.

An allowable bearing value of 125kPa is considered appropriate for conventional trench fill, strip or pad foundations taken down through any Made Ground or Disturbed Ground and bear wholly into or onto the London Clay Formation. Under the above loadings, settlements should remain within tolerable limits for the proposed construction.

The London Clay Formation will soften rapidly if exposed to free water and foundation bases should be concreted or blinded as soon as possible after excavation.

5.2 Floor Slabs

Suspended floor slabs are recommended for this development due to the presence of shrinkable soils at shallow depth and the thickness of Made Ground across the site.

5.3 Excavations

Shallow excavations within the Made Ground should remain stable in the short term. Deeper excavations into the Made Ground may prove unstable in the short term especially where loose granular pockets and any perched water seepages are encountered. Some form of trench support and dewatering may be required in such circumstances.

Both shallower and deeper excavations within the London Clay Formation should remain relatively stable in the short to medium term. However, in the case of deeper excavations, some localised instability may be encountered, particularly where excavations are left open for prolonged periods, or where water seepages within sandy partings are intercepted.

Where man entry is required into excavations, this should only be permitted where the appropriate risk assessments have been undertaken and the appropriate health and safety protection measures employed.

5.5 Sub-Surface Concrete

The results of the water soluble sulphate and pH analyses indicate that buried concrete should be designed in accordance with Class DS-1 of BRE Special Digest 1, with an ACEC class of AC-1s. . The advice of this publication should be taken for the design and specification of all sub surface concrete.

5.6 Soakaways

Falling head soakage tests were undertaken within WS1 and WS4. Based on the relatively poor result, it is unlikely that conventional soakaways would perform satisfactorily on site, though full scale testing in accordance with BRE365 is recommended to confirm this assessment. The following infiltration rate was calculated from the results of the test:

- WS1 5×10^{-6} m/s
- WS4 5×10^{-6} m/s

5.7 Pavements

The Made Ground encountered across the site was noted to be of mixed composition. The engineering characteristics of such soils are variable and unpredictable and the CBR value of Made Ground does not predict the overall settlements that may occur in such materials. Due to the variability of the Made Ground it would be prudent to assume the material to be deemed frost susceptible throughout thus a minimum pavement thickness of 450mm would be appropriate.

A laboratory CBR test was undertaken on a bulk sample of soil taken from shallow depth from WS3. The results indicated the sample tested to have an average CBR value of 4.2%.

Any hard or soft spots in the formation level may induce reflective cracking in the pavement and allowance should be made for removing hard spots that may be present. In addition, an allowance should be made for proof rolling coupled with excavation and replacement of soft spots.



6.0 ENVIRONMENTAL CONSIDERATIONS

A Generic Quantitative Risk Assessment (GQRA) incorporating the results of the desk study and ground investigation was undertaken, the findings of which are presented in the following sections.

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

6.1 Outline Risk Assessment

The site has been developed since the earliest mapping period, and as a result the desk study has identified the potential for Made Ground to be present on the site given it has previously been developed. As such, soil sampling and geochemical testing was incorporated within the scope of works in order to assess and clarify soil contamination. The analytical suite included commonly occurring brownfield contaminants. No specific sources of contamination outside of this test suite group were identified during the site inspection or intrusive investigation works.

6.2 Soil Contamination vs. End Users

The presence of a possible contaminant does not necessarily imply that a site or area is contaminated or that there is any unacceptable risk to human health. A Preliminary Quantitative Risk Assessment has been undertaken in accordance with CLR11, in order to evaluate any unacceptable risks posed to human health with respect to the proposed residential with plant uptake use of the site. It should be noted that this assessment is protective of the chronic long-term effects of contaminants, which is also likely to be protective of any possible immediate acute effects.

A quantitative risk assessment has been undertaken by comparing the results of the laboratory chemical testing of shallow soils against Site Specific Assessment Criteria (SSAC) generated using the Contaminated Land Exposure Assessment (CLEA) model v1.06 published by the Environment Agency (Table 7), or against DEFRA's Category 4 Screening Levels (C4SLs).

Table 6.1 Assumptions for SSAC Calculation (CLEA v1.06 Software)

	Assumptions			Comments
Land Use	Residential without home grown produce			Commensurate with proposed development.
Receptor	Female (res)			A conservative assumption using the most sensitive possible receptor.
Receptor Age	1 to 6			Critical receptor age from birth to age 6.
Building	Small Terraced House			A conservative assumption of the private residences proposed
Soil Type	Sandy silty loam	pH 7.82	SOM 2.27%	Based on an average of the chemical laboratory results.
Exposure Pathways	Oral	Direct soil & dust ingestion		Default setting for land use.
	Dermal	Indoor & outdoor		Default setting for land use.
	Inhalation	Indoor & outdoor dust & vapour		Default setting for land use.
Occupancy	days/year	hours/day (indoors)	hour/day (outdoors)	Default settings for the critical receptor.
	180 - 365	19 - 23	1	



Three samples were taken for analysis for a common suite of chemicals, the results were then compared against SGVs, DEFRA's Category 4 Screening Levels (C4SLs), and site specific concentration values produced using CLEA Software version 1.06. The results were all within normal limits. However, ACM's in the form of chrysotile were identified in two samples (WS2 and WS4) and whilst there is only a very limited area of proposed soft landscaping (and therefore low perceived risk) it is recommended that further investigation is undertaken in this area to provide a more robust assessment of the risk posed to the end user from ACM's.

6.3 Soil Contamination vs. Adjacent Land Users

Surrounding land uses were identified to mostly commercial properties analogous with the proposed development of the site. The limited remedial measures detailed in section 6.2 would effectively negate the need for any further remedial action with regard to soil contamination and adjacent land users.

However, ACM's were identified under hardstanding areas on parts of the site and these will need to be considered during demolition and clearance. It is recommended that dust suppression techniques, e.g. damping down exposed soils, are employed during the demolition and construction phases on site in order to minimise the potential for airborne migration of specific hazards and to manage potential nuisance issues for adjacent land users.

6.5 Soil Contamination vs. Buildings & Infrastructure

The results of the chemical testing have been compared to the thresholds given in the UKWIR Guidance entitled 'Guidance for the Selection of Water Supply Pipes to be used in Contaminated Land' published 2011. On the basis of the testing no specific remedial works are required and conventional plastic water pipes may be adopted. However, it is recommended that confirmation is sought from the local water utility company in this respect.

All services should be laid in over-excavated trenches, backfilled with inert granular fill and a marker tape laid at shallow depth within the backfill.

6.6 Asbestos

Laboratory analysis identified occasional isolated fragments of chrysotile asbestos in Made Ground within samples from WS2 and WS4. Construction workers should be provided with, and made to use, suitable PPE, including asbestos masks when dealing with potentially contaminated soils.

Asbestos is likely to be present in the existing buildings on site and this will need to be surveyed prior to demolition, identified and removed appropriately. Prior to any excavation / breaking works on site, and area of backfill will need to be examined by a fully qualified asbestos surveyor in order to determine the presence and type of asbestos. All asbestos encountered must be removed appropriately from site and disposed of at a suitably licensed facility.

It is recommended that further investigation is undertaken in the area of the proposed retained soft landscaping to provide a more robust assessment of the risk posed to the end user from ACM's.

6.7 Ground Gases

The CSM did not identify any specific risks with respect to ground gases. In addition, no significant depth of Made Ground was encountered during the intrusive investigation. To confirm this assessment a dual purpose gas and water monitoring standpipe was installed within window sample borehole WS5. This position was monitored for methane, carbon dioxide, oxygen and borehole gas flow on two subsequent occasions at fortnightly intervals during June 2015.

During the monitoring, methane and carbon dioxide were not found to be present. Oxygen was present in the range of 19.1 – 20.6% v/v. A positive flow rate of 0.1 l/hr was detected during the monitoring. Atmospheric pressure was recorded at 1012mb (Appendix E).

On the basis of the ground gas assessment and supported by the data presented in Appendix D, it is considered that the site's gassing regime is representative of Characteristic Situation 1 (BS8485 and CIRIA) and Green (NHBC) for which no gas protection measures would be required.

6.8 Waste

6.8.1 Reuse of Material

In accordance with CL:AIRE Code of Practice (2011) materials are only considered waste if 'they are discarded, intended to be discarded or required to be discarded by the holder'.

The Code of Practice therefore allows soils to be reused on site where the following criteria are met:

- Pollution of the environment and harm to human health is prevented in reusing the excavated materials;
- The material are suitable for use (without any further processing);
- There is certainty of use; and
- The quantity that is absolutely necessary (and no more) is used.

In order to comply with the Code of Practice, a material management plan that confirms the above criteria are met has to be prepared. The material management plan must be reviewed by a 'Qualified Person' who then issues a declaration to the Environment Agency. Geo-Environmental can provide this service should it be required.

Where materials do not meet the required criteria, it may be possible to treat them under an environmental permit so that they may be re-used on site.

6.8.2 Reuse of Waste

Where material is discarded as waste, it may still be possible to reuse the waste on site under a standard rules environmental permit or a U1 waste exemption. However, strict limits on the volumes that can be reused apply in these cases.

6.8.3 Disposal to Landfill

Under current legislation, where wastes are to be disposed of to landfill they may, depending on their classification, require pre-treatment. Pre-treatment shall comprise a chemical, physical (including sorting), thermal or biological process. The pre-treatment is required to change the characteristics of



the waste, reduce its volume, reduce its hazardous nature, and facilitate its handling and enhance its recovery.

6.8.4 Waste Classification

The following information is provided for preliminary guidance purposes, as different facilities or operators may have differing acceptance criteria and further Waste Acceptance Criteria (WAC) analysis may be required to confirm the exact classification.

The results of the WAC analysis undertaken on samples of Made Ground on site have indicated these materials to be 'Inert', suitable for disposal at an inert waste facility.

The natural soil arisings (London Clay Formation) removed are likely to be classified as 'inert', suitable for disposal at an inert landfill site.

For all soils leaving the site, the chemical testing results should be forwarded to the proposed landfill facility to confirm the waste classification. Soils containing ACM's may attract a premium for disposal.

6.9 Discovery Strategy

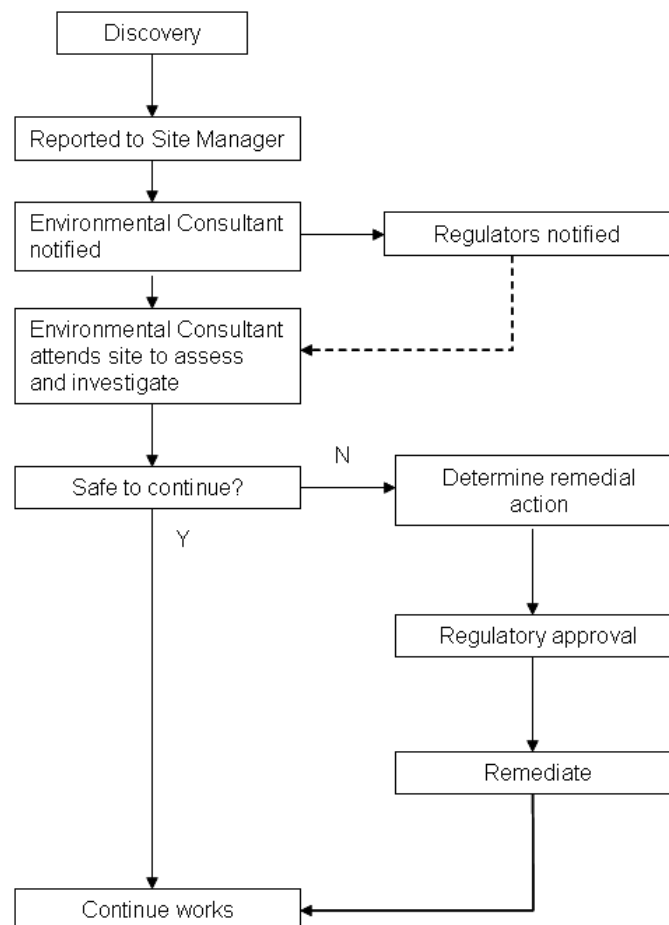
Whilst the investigation undertaken on the site to date is considered to be thorough, it remains possible that previously unexpected soil conditions may be encountered during the process of site demolition and construction.

Examples may include oily pockets within the soil, pockets of cement boarding or fibrous materials within the soil, black ashy materials, soils exhibiting strong odours, brightly coloured materials, and former structures or brickwork.

Should previously undiscovered contamination be encountered during the demolition/construction of the new buildings the following course of action should be adhered to:

- Works in the area of the suspected contamination should cease immediately. The ground workers should report any suspected contamination immediately to the Client's site supervisor. The supervisor should contact the Environmental Consultant, who should visit the site to assess the extent of the 'contamination'.
- The Environmental Consultant shall make records of their inspection, and pass details of these to the Local Authority.
- Where the conditions revealed differ from those previously anticipated, the Environmental Consultant shall take samples as deemed appropriate to be dispatched for appropriate chemical testing.
- Depending on the results of the testing either: 1) no further work will be required; 2) a further detailed risk assessment will be required; and/or 3) localised specific remedial measures will be necessary. Appraisal criteria will vary depending on the nature of the assessment.
- The results of any such testing will be sent to the Regulatory Authority for consultation. If remediation is required, the Regulatory Authority will be informed of the date and time of the proposed works.
- Remediation will be undertaken in accordance with a method statement submitted to the Local Authority for approval. The works shall be supervised by the Environmental Consultant who shall provide a Validation Report for the Local Authorities purposes.

The process is summarised overleaf:



A copy of this strategy should be lodged on site, and provisions made to ensure that all workers are made aware of their responsibility to observe, report, and act on any potentially suspicious or contaminated materials they may encounter.

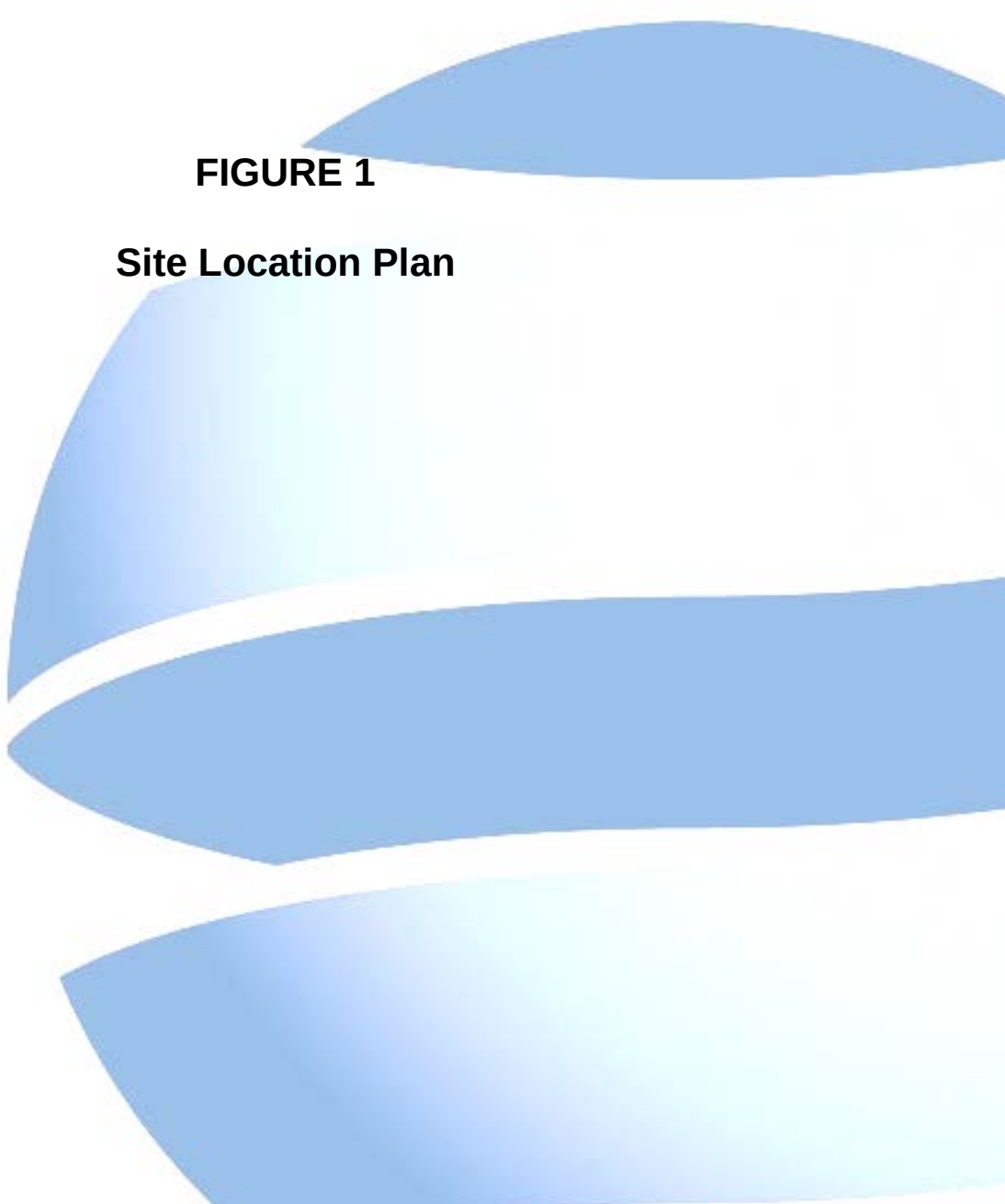
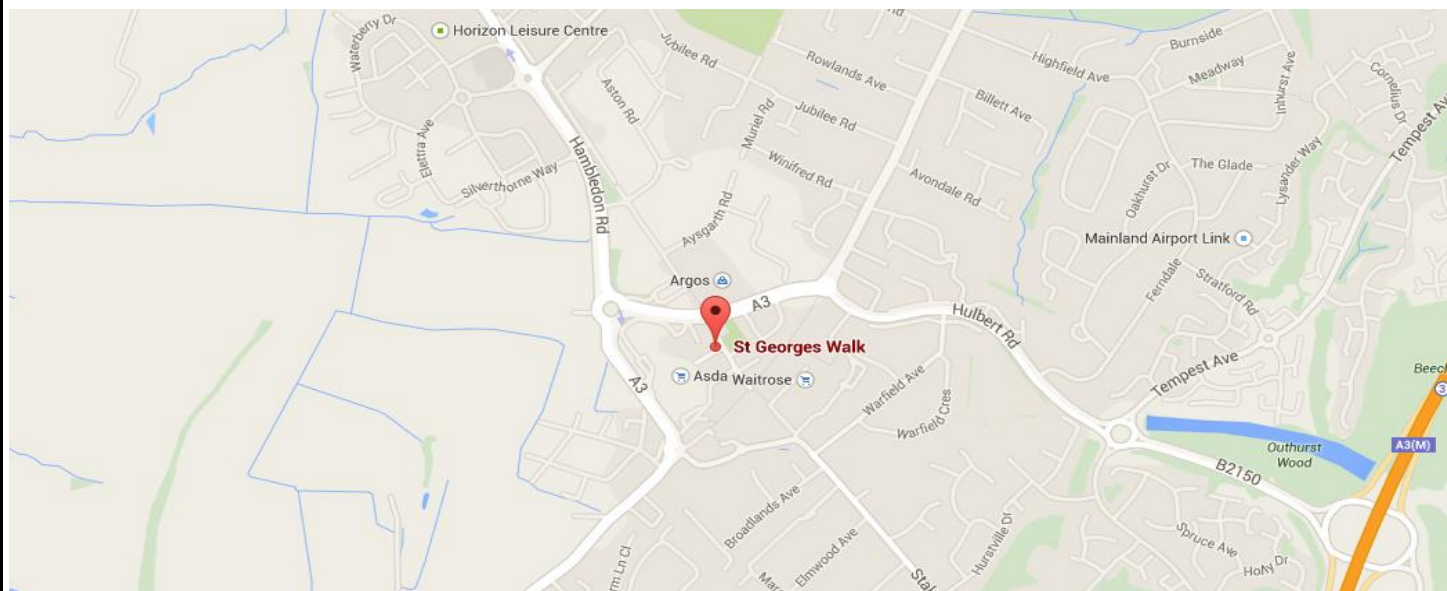
A decorative graphic consisting of three horizontal, wavy blue bands of varying shades, positioned on the right side of the page.

FIGURE 1

Site Location Plan



locations are indicative unless dimensions are given

Project: St. Georges Walk, Waterloo, PO7 7TU		Title Site Location Plan	
Client: Burton Properties		Geo-Environmental Services Ltd Unit 7, Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex, BN6 9GL E: mail@gesl.net T: 01273 832972	
Ref No: GE10739	Revision: v1		
Drawn: PC	Date: 20/04/2015		
Figure: 1	Scale: Not To Scale		

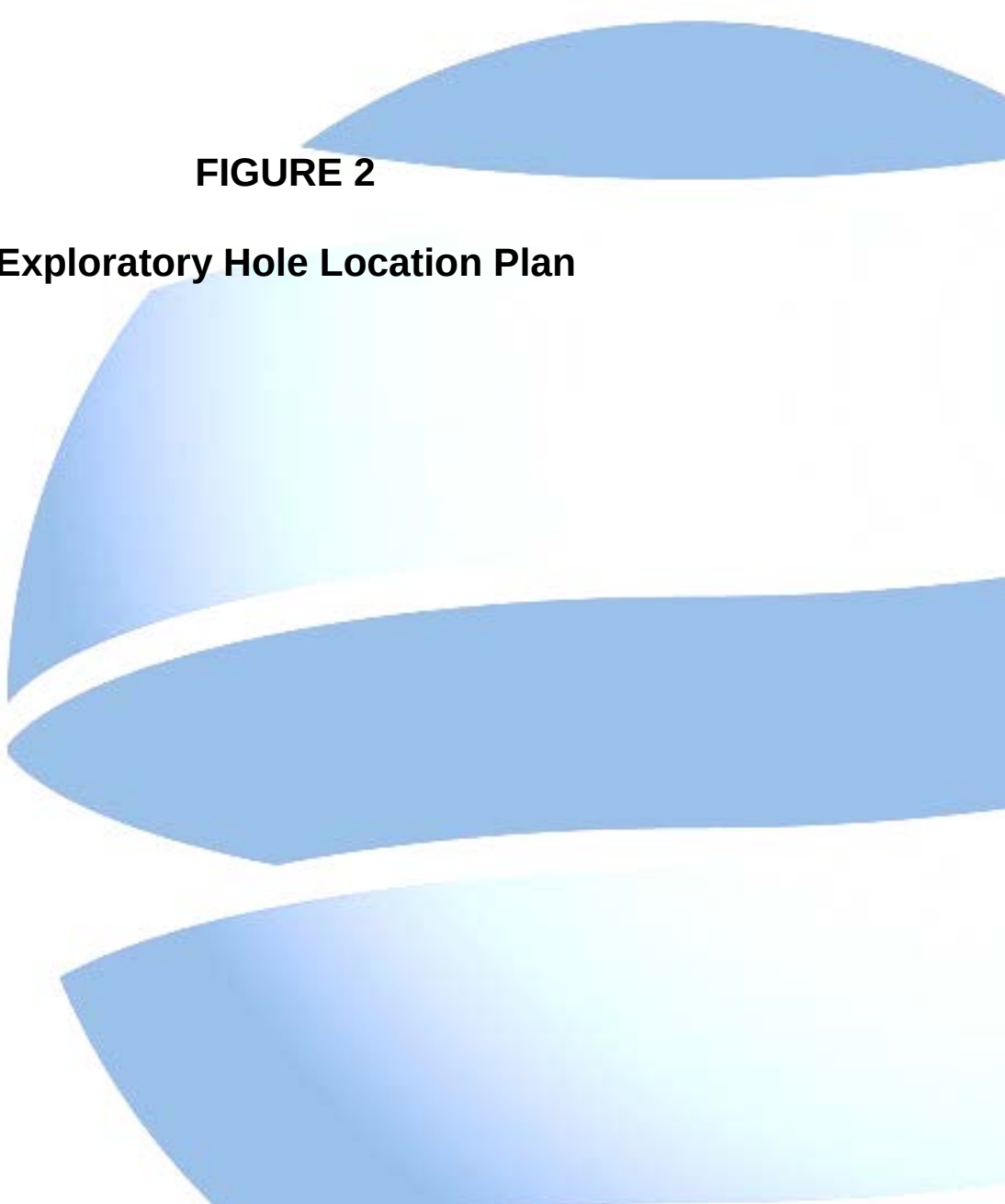
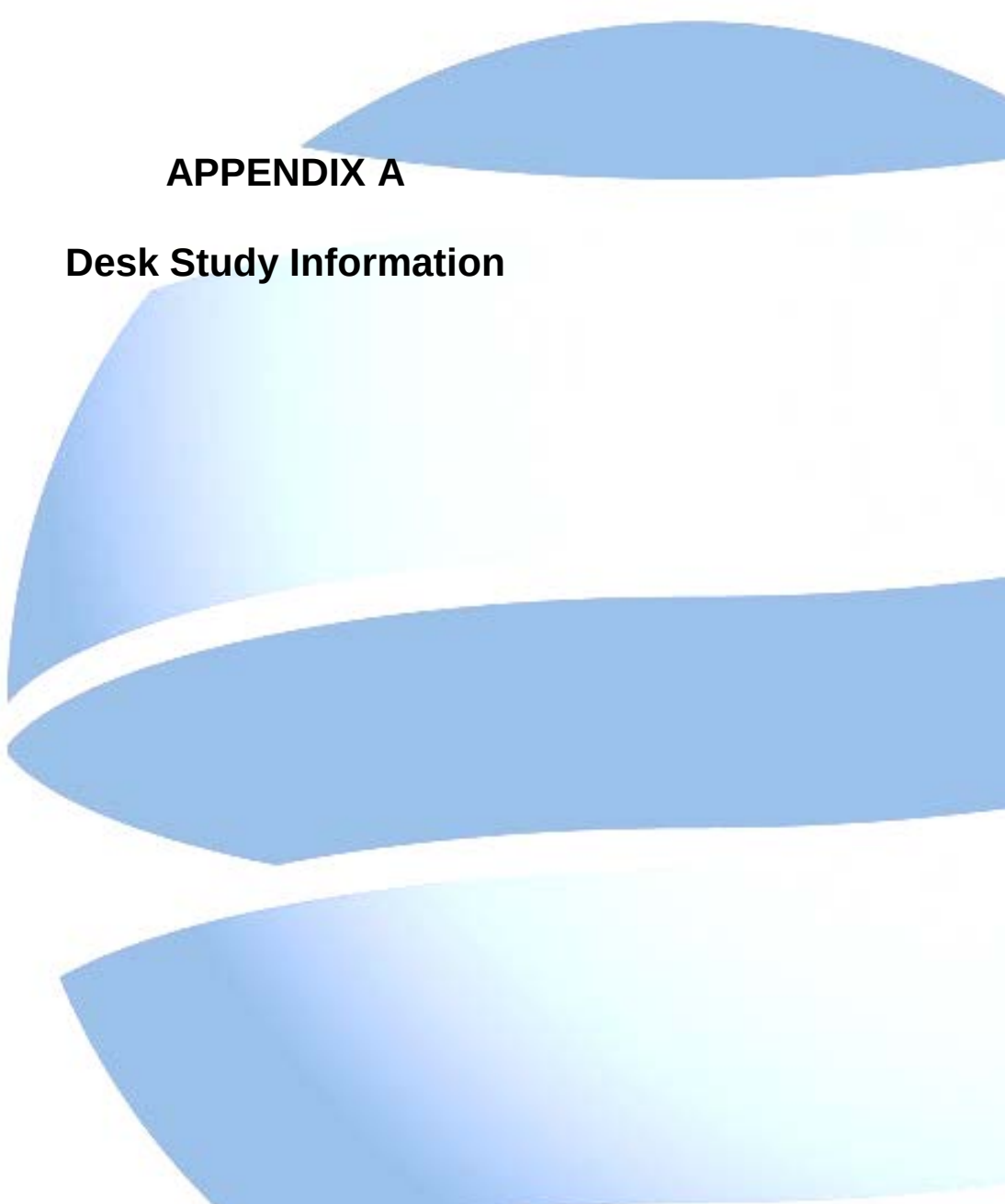
A decorative graphic consisting of three horizontal, wavy blue bands of varying shades (light blue, medium blue, and dark blue) that curve and overlap, positioned on the right side of the page.

FIGURE 2

Exploratory Hole Location Plan



Project:	St. Georges Walk, Waterlooville, PO7 7TU			Title	Site Investigation Plan	
Client:	Burton Properties			Geo-Environmental Services Limited Unit 7, Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex, BN6 9GL E: mail@gesl.net T: +44 (0) 1273 832972		 Geo-Environmental
Ref No:	GE10739	Revision:	v1			
Drawn:	CA	Date:	21/04/2015			
Figure:	1	Scale:	Not To Scale			

A decorative graphic consisting of three horizontal, wavy blue bands of varying shades (light blue, medium blue, and dark blue) that curve and overlap, creating a sense of movement. The bands are positioned on the right side of the page, with the top band starting near the top right and the bottom band extending towards the bottom right.

APPENDIX A

Desk Study Information



Geo-Environmental

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

66670439_1_1

Customer Reference:

GE10739

National Grid Reference:

468090, 109400

Slice:

A

Site Area (Ha):

0.08

Search Buffer (m):

1000

Site Details:

St. Georges Walk
WATERLOOVILLE
Hampshire
PO7 7TU

Client Details:

MR J Tingley
Geo Environmental Services Ltd
Unit 7 Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL



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Hazardous Substances	-
Geological	10
Industrial Land Use	18
Sensitive Land Use	40
Data Currency	41
Data Suppliers	47
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Introduction

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

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

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Report Version v49.0



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Integrated Pollution Prevention And Control					
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Local Authority Pollution Prevention and Controls	pg 3		1	2	2
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Nearest Surface Water Feature	pg 4		Yes		
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Prosecutions Relating to Controlled Waters					
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Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
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Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 6			Yes	n/a
Detailed River Network Offline Drainage	pg 7		Yes		n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Planning Hazardous Substance Enforcements					
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BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes	Yes	Yes
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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
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Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Asda Stores Property Type: Undefined Or Other Location: West Quadrant, Hambledon Rd/London Rd, WATERLOOVILLE , Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01251 Permit Version: 1 Effective Date: 6th December 1978 Issued Date: 6th December 1978 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A13NW (W)	96	2	467980 109420
2	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: Undefined Or Other Location: Forest End, Waterlooville Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00032 Permit Version: 1 Effective Date: 27th March 1985 Issued Date: 27th March 1985 Revocation Date: 23rd August 1999 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	283	2	467840 109250
3	Discharge Consents Operator: Hopkins Recycling Limited Property Type: Unspecified Tip Location: Waterlooville Hw Recycling Ctr, Hambledon Road, Waterlooville, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09132 Permit Version: 1 Effective Date: 12th September 2000 Issued Date: 12th September 2000 Revocation Date: 24th October 2013 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Onto Land Environment: Receiving Water: Onto Land Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	384	2	467900 109750
4	Discharge Consents Operator: Jaiducts Ltd. Property Type: Industrial Parks & Estates Location: Units 13 & 14, Aston Road, Waterlooville, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: H01132 Permit Version: 1 Effective Date: 30th December 1971 Issued Date: 30th December 1971 Revocation Date: 8th December 1992 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	504	2	468020 109920



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: Undefined Or Other Location: St. Michael'S Convent, WaterlooVille Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: W00034 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 16th February 1998 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14NW (E)	660	2	468760 109540
6	Discharge Consents Operator: Bae Systems Electronics Ltd Property Type: Undefined Or Other Location: Brambles Farm, WaterlooVille Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01167 Permit Version: 1 Effective Date: 7th September 1982 Issued Date: 7th September 1982 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	765	2	467360 109680
7	Discharge Consents Operator: Clerk Of The Council Property Type: Water Treatment Works Location: Storm Water Overflow, Hulbert Road, HAVANT , Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01151 Permit Version: 1 Effective Date: 9th January 1969 Issued Date: 9th January 1969 Revocation Date: 31st March 1997 Discharge Type: Unknown Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SE (E)	779	2	468880 109260
8	Discharge Consents Operator: A.W. Kingdon & Co. Ltd. Property Type: Undefined Or Other Location: Riverdale, Tempest Avenue, Off Hulbert Road, WaterlooVille Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01139 Permit Version: 1 Effective Date: 11th September 1984 Issued Date: 11th September 1984 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SE (E)	938	2	469040 109250



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: A.W. Kingdon & Co. Ltd. Property Type: Undefined Or Other Location: Riverdale, Tempest Avenue, Off Hulbert Road, Waterlooville Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01139 Permit Version: 1 Effective Date: 11th September 1984 Issued Date: 11th September 1984 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SE (E)	958	2	469060 109250
8	Discharge Consents Operator: A.W. Kingdon & Co. Ltd. Property Type: Undefined Or Other Location: Riverdale, Tempest Avenue, Off Hulbert Road, Waterlooville Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01139 Permit Version: 1 Effective Date: 11th September 1984 Issued Date: 11th September 1984 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SE (E)	978	2	469080 109250
9	Discharge Consents Operator: Hampshire Aerosols Property Type: General Construction Work Location: Brambles House, Waterlooville Brambles House, Waterberry Drive, Waterlooville, Hampshire, Po7 7uw Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P03165 Permit Version: 1 Effective Date: 19th November 1990 Issued Date: 19th November 1990 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	954	2	467420 110100
10	Local Authority Pollution Prevention and Controls Name: Solent Cleaners Ltd Location: 2 Queens Parade, 121-123 London Road, Waterlooville, Po7 7eb Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/01964 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	A13NE (E)	162	3	468268 109454
11	Local Authority Pollution Prevention and Controls Name: Shell Waterlooville Location: 222 London Road, WATERLOOVILLE, Hampshire, PO7 7AA Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00203 Dated: 4th September 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A13SW (S)	296	3	468040 109094



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Local Authority Pollution Prevention and Controls Name: Hopkins Recycling Ltd Location: Waterlooville Hwrc, Hambledon Road, Waterlooville, PO7 7UL Authority: Havant Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: Part B process (no specific reference) Status: Authorisation certificate surrendered by operatorSurrendered Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	338	3	467916 109705
13	Local Authority Pollution Prevention and Controls Name: Lomas Service Station Location: Ellettra Avenue, WATERLOOVILLE, Hampshire, PO7 7XS Authority: Havant Borough Council, Environmental Health Department Permit Reference: Epa1/17/98 Dated: 3rd March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	793	3	467507 109961
14	Local Authority Pollution Prevention and Controls Name: Waterlooville Service Station (Total) Location: Eleetra Avenue, Waterlooville, Havant, PO7 7XS Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/08/01348 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	864	3	467582 110117
	Nearest Surface Water Feature	A13SW (W)	209	-	467870 109365
15	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Down Stream , Waterlooville Industrial Estate Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On The Stream And Unpleasant Odour Incident Date: 9th December 1998 Incident Reference: 798582 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	333	2	467800 109595
15	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Sheepwash Tributary, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Oils - Gas Oil Note: Red Diesel In Stream Incident Date: 2nd March 1996 Incident Reference: 796091 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	336	2	467800 109600
16	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Sheepwash Farm Authority: Environment Agency, Southern Region Pollutant: Oils - Gas Oil Note: Oil In Sheepwash Tributary Incident Date: 22nd May 1996 Incident Reference: 796247 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	420	2	467700 109595



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Brambles Industrial Estate, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On Stream Incident Date: 14th September 1993 Incident Reference: 850 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	422	2	467700 109600
17	Pollution Incidents to Controlled Waters Property Type: Road Location: Hulbert Road, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Other Suspended Solids Note: 30 Bottles Of Milk Spilt On Road Incident Date: 20th June 1992 Incident Reference: 165 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	594	2	468700 109500
18	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Avondale Road, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Solvent Based Paints / Varnishes Note: Not Supplied Incident Date: 19th August 1999 Incident Reference: 2210 Catchment Area: Hermitage Stream Receiving Water: Freshwater Stream/River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A14NW (NE)	657	2	468700 109700
19	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Stakes Hill Road, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: Unknown Quantity Of Petrol Down Drain - Car Incident Date: 10th May 1993 Incident Reference: 646 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	799	2	468500 108700
20	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Adjacent To, 34 Sapphire Ridge, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Surcharged Sewage Note: Sewer Surcharged Incident Date: 24th December 1993 Incident Reference: 990 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	A14SE (E)	936	2	469050 109400
21	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Heritage Stream, Rear Of Bramley Road, WATERLOOVILLE Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Domestic Fuel Oils Note: Not Supplied Incident Date: 8th October 1999 Incident Reference: 3109 Catchment Area: Hermitage Stream Receiving Water: Freshwater Stream/River Cause of Incident: Structural Failure : Pipe Failure (Below Ground) Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A19SE (NE)	957	2	468900 109950



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Registered Radioactive Substances Name: Marconi Underwater Systems Ltd Location: Elettra Avenue, WATERLOOVILLE, PO7 7XS Authority: Scottish Environment Protection Agency, Head Office Permit Reference: IPB/3/3/165 Dated: 1st October 1985 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 Status: Not Given Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	750	4	467458 109833
	River Quality Name: Hermitage Strm GQA Grade: River Quality C Reach: Tidal Limit - Source Estimated Distance 14.8 (km): Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A13NE (E)	309	2	468422 109427
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 52 Southern Hampshire Scale: 1:100,000	A13SE (E)	0	2	468095 109405
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (E)	0	5	468095 109405
	Superficial Aquifer Designations No Data Available				
23	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone 1c (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A13SE (E)	0	2	468095 109405
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
24	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SW (W)	301	2	467774 109399



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (NW)	347	2	467825 109648
26	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NW (SW)	441	2	467865 109006
27	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D007 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NW (SW)	445	2	467833 109022
28	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A13SW (W)	209	2	467870 109365
29	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A13SW (W)	228	2	467861 109328
30	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A13SW (SW)	241	2	467892 109246
31	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D007	A13SE (S)	250	2	468174 109151



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Historical Landfill Sites Licence Holder: Not Supplied Location: South Of Cemetery, Hulbert Road, Waterlooville Name: Old Council Depot Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20827 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: FHA11	A14SW (E)	571	2	468653 109216
33	Licensed Waste Management Facilities (Locations) Licence Number: 19984 Location: Waterlooville H W R C, Hambledon Road, Waterlooville, Hampshire, PO7 7UL Operator Name: Hopkins Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household Waste Amenity Sites Licence Status: Surrendered Issued: 1st July 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 30th January 2013 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	350	2	467900 109710
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	3	468095 109405
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	468095 109405
	Local Authority Landfill Coverage Name: Winchester City Council - Has supplied landfill data		105	8	467982 109455
34	Local Authority Recorded Landfill Sites Location: Hulbert Road, Waterlooville Reference: 3 B Authority: Havant Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14SW (E)	573	3	468655 109214
35	Local Authority Recorded Landfill Sites Location: Hulbert Road, Waterlooville Reference: 3 A Authority: Havant Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14NW (E)	592	3	468698 109504



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Registered Waste Transfer Sites Licence Holder: Hampshire Recycling Ltd Licence Reference: HV 008A Site Location: Hambledon Road, WATERLOOVILLE, Hampshire, PO7 7UL Operator Location: Unit 10 Bridge Farm, Curbridge, Botley, SOUTHAMPTON, Hampshire, SO30 2HB Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Civic Amenity Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 18th May 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Com. Waste Solely For Reuse/Recycling Maximum Waste Permitted By Licence Waste Deposited By Householders Prohibited Waste: Liq.Waste N.O.S. (Exc. Oils For Recyc) Special Wastes N.O.S. (Exc.H'olders) Waste N.O.S.	A13NW (NW)	350	2	467900 109710



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: London Clay	A13SE (E)	0	5	468095 109405
	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)	0	5	468095 109405
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	47	5	468056 109453
	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	A13SW (W)	75	5	468000 109405
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	76	5	468000 109418
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	220	5	468149 109174
	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	A8NE (S)	386	5	468095 109000



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:	A8NW (S)	396	5	468000 109000
	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)	538	5	468648 109468
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	577	5	468095 110000
	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)	577	5	468116 110000
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	586	5	468000 110000
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	625	5	468739 109421



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:	A14NW (E)	625	5	468712 109585
	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)	631	5	468664 109093
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	632	5	468725 109566
	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:	A9NW (SE)	639	5	468545 108929
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	660	5	467957 110067
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	663	5	468000 110078



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:	A9NW (SE)	671	5	468652 109000
	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:	A18NW (N)	679	5	468080 110102
	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)	687	5	468781 109566
	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)	704	5	468818 109396
	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)	709	5	468782 109642
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	714	5	467930 110116



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)	721	5	468535 110000
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	728	5	468000 110144
	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 (SW)	754	5	467769 108703
	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:	A7NE (SW)	825	5	467551 108760
	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)	860	5	467522 110066
	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)	886	5	469000 109405



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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	893	5	469000 109290
	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:	A17NE (NW)	904	5	467573 110159
	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)	906	5	469000 109593
	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)	906	5	469000 109213
	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 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	951	5	468858 110000
	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:	A17NE (NW)	962	5	467601 110244



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:	A19SE (NE)	972	5	469000 109803
	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)	973	5	469000 109000
	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:	A19SE (NE)	991	5	468907 110000
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	47	5	468056 109453
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405
	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 (E)	0	5	468095 109405



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	5	468095 109405



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Contemporary Trade Directory Entries Name: Brookdown Joinery Location: 25, St. Georges Walk, Waterlooville, Hampshire, PO7 7TU Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	32	-	468043 109411
38	Contemporary Trade Directory Entries Name: Photo Imaging Centre The Location: Portland Road, Waterlooville, Hampshire, PO7 7XR Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	79	-	468034 109328
38	Contemporary Trade Directory Entries Name: Asda Petrol Location: Portland Road, Waterlooville, Hampshire, PO7 7XR Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	96	-	467996 109353
39	Contemporary Trade Directory Entries Name: Brooks The Cleaners Location: 97, London Road, Waterlooville, Hampshire, PO7 7EQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	103	-	468210 109366
40	Contemporary Trade Directory Entries Name: Feeds Seeds & Animal Needs Location: 282, London Road, Waterlooville, Hampshire, PO7 7DS Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	129	-	468211 109315
41	Contemporary Trade Directory Entries Name: Solent Cleaners Ltd Location: 2, Queens Parade, London Road, Waterlooville, Hampshire, PO7 7EB Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	162	-	468268 109453
42	Contemporary Trade Directory Entries Name: P R G Powerhouse Location: Unit 6, Wellington Retail Park, Hambledon Road, Waterlooville, Hampshire, PO7 7FG Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	163	-	468101 109586
43	Contemporary Trade Directory Entries Name: Kraftwork Location: 2a, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	170	-	468190 109248
43	Contemporary Trade Directory Entries Name: The Artistic Framing Co Location: 2a, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Picture & Picture Frame Renovating & Restoring Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	170	-	468190 109248
43	Contemporary Trade Directory Entries Name: Kwik-Fit Tyre Exhaust Brake Waterlooville Location: 6, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	181	-	468205 109245
43	Contemporary Trade Directory Entries Name: Kwik-Fit Location: 6, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	181	-	468205 109245



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Contemporary Trade Directory Entries Name: Kwik-Fit Location: 6, Stakes Hill Road, Waterlooville, Hampshire, PO7 7HY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	181	-	468205 109245
44	Contemporary Trade Directory Entries Name: Emberz Location: 248, London Road, Waterlooville, Hampshire, PO7 7HG Classification: Fireplaces & Mantelpieces Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	183	-	468124 109207
44	Contemporary Trade Directory Entries Name: Emberz Location: 248, London Road, Waterlooville, Hampshire, PO7 7HG Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	183	-	468124 109207
45	Contemporary Trade Directory Entries Name: Staple J Location: Unit 3, 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	189	-	468222 109569
45	Contemporary Trade Directory Entries Name: T & D Motor Services Location: Unit 3, 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	189	-	468222 109569
45	Contemporary Trade Directory Entries Name: Jagcare Location: Unit 4, 23, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	189	-	468222 109569
46	Contemporary Trade Directory Entries Name: Solent Printers Ltd Location: Aysgarth Rd, Waterlooville, Hampshire, PO7 7UG Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (N)	198	-	468049 109614
46	Contemporary Trade Directory Entries Name: Lantrax Ltd Location: Unit 3, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Printed Circuit Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	199	-	468049 109615
47	Contemporary Trade Directory Entries Name: Supasnaps Location: 14, The Precinct, London Road, Waterlooville, Hampshire, PO7 7DT Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	199	-	468310 109367
47	Contemporary Trade Directory Entries Name: Robert Dyas Location: Unit 10-11, Dukes Walk, Waterlooville, Hampshire, PO7 7HS Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	222	-	468331 109355
48	Contemporary Trade Directory Entries Name: 24 7 Autos Location: Unit 4, 1A Victoria Rd, Waterlooville, Hampshire, PO7 7ET Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	208	-	468116 109180
48	Contemporary Trade Directory Entries Name: Portsmouth Metal Recycling Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	239	-	468118 109149



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Contemporary Trade Directory Entries Name: M T'S M O T'S Location: Unit 1, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	239	-	468118 109149
48	Contemporary Trade Directory Entries Name: Tony'S Tyres Location: Unit 3, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	239	-	468118 109149
48	Contemporary Trade Directory Entries Name: Autosales (Waterlooville) Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	239	-	468118 109149
48	Contemporary Trade Directory Entries Name: Waterlooville Car Centre Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	239	-	468118 109149
48	Contemporary Trade Directory Entries Name: Rosewood Car Centre Location: 1a, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	239	-	468118 109149
48	Contemporary Trade Directory Entries Name: B & N Metals Location: Unit 3, Victoria Road, Waterlooville, Hampshire, PO7 7ET Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	239	-	468118 109149
48	Contemporary Trade Directory Entries Name: Caragez Location: 1A Victoria Rd, Waterlooville, Hampshire, PO7 7ET Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	240	-	468117 109148
48	Contemporary Trade Directory Entries Name: 24 7 Tyres Location: Unit 4,1A Victoria Rd, Waterlooville, Hampshire, PO7 7ET Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	240	-	468118 109148
49	Contemporary Trade Directory Entries Name: Tabelek Control Systems Ltd Location: Unit 17, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Electronic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	258	-	468216 109654
49	Contemporary Trade Directory Entries Name: Clarks Auto Service Location: Unit 17a, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	270	-	468226 109663
50	Contemporary Trade Directory Entries Name: Redwood Innovations Location: Unit 18, Arnside Rd, Waterlooville, Hampshire, PO7 7UP Classification: Adhesives, Glues & Sealants Status: Active Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	262	-	468239 109646
50	Contemporary Trade Directory Entries Name: D L Webb Location: Unit 18, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	263	-	468239 109647



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50	Contemporary Trade Directory Entries Name: British Engineering Productions Ltd Location: Unit 19, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	265	-	468269 109628
51	Contemporary Trade Directory Entries Name: Cnc Joinery Products Ltd Location: Unit 10, Arnside Rd, Waterlooville, Hampshire, PO7 7UP Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	265	-	468156 109682
52	Contemporary Trade Directory Entries Name: P M Lighting Location: Victoria Ho, Aysgarth Rd, Waterlooville, Hampshire, PO7 7UG Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (N)	274	-	468102 109697
53	Contemporary Trade Directory Entries Name: Stop & Steer Location: 222a, London Road, Waterlooville, Hampshire, PO7 7AA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	296	-	468040 109094
53	Contemporary Trade Directory Entries Name: Shell (UK) Ltd Location: 222, London Road, Waterlooville, Hampshire, PO7 7AA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	296	-	468040 109094
53	Contemporary Trade Directory Entries Name: Credit Cars Location: A, 222, London Road, Waterlooville, Hampshire, PO7 7AA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	296	-	468040 109094
54	Contemporary Trade Directory Entries Name: S C Bus & Coach Builders Ltd Location: Hambledon Road, Waterlooville, Hampshire, PO7 7UA Classification: Commercial Vehicle Bodybuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	300	-	468014 109710
55	Contemporary Trade Directory Entries Name: Laundry Fairy Location: 158 Norton Cl, Waterlooville, Hampshire, PO7 7AG Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	323	-	467919 109111
55	Contemporary Trade Directory Entries Name: Waterlooville Cleaning Services Location: 23, London Road, Waterlooville, Hampshire, PO7 7AL Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	342	-	467935 109080
56	Contemporary Trade Directory Entries Name: Warrior Gates Location: Unit 7a, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Tungsten Tool Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	337	-	468153 109756
56	Contemporary Trade Directory Entries Name: Mainance Engineering Ltd Location: 7, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	337	-	468153 109756
56	Contemporary Trade Directory Entries Name: F S R Maintenance Location: Unit 8, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	339	-	468174 109754



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Contemporary Trade Directory Entries Name: Rimor Technical Fabrications Location: Unit 8, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	339	-	468174 109754
56	Contemporary Trade Directory Entries Name: Ev Engineering Ltd Location: Unit 6A, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	366	-	468173 109782
56	Contemporary Trade Directory Entries Name: R & L Grinding Ltd Location: Unit 6a, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	366	-	468173 109782
56	Contemporary Trade Directory Entries Name: M G Systems Location: Unit 6A, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	366	-	468173 109782
56	Contemporary Trade Directory Entries Name: Repro Engineering Ltd Location: Unit 6, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	381	-	468173 109797
57	Contemporary Trade Directory Entries Name: Simer Environmental Services Ltd Location: Unit 15, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Air Conditioning Equipment & Systems Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	340	-	468237 109734
58	Contemporary Trade Directory Entries Name: Wood Solutions Ltd Location: Unit 3, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	350	-	468089 109773
58	Contemporary Trade Directory Entries Name: Atlas Vehicle Conversions Location: Unit 3, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Disability Equipment - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	350	-	468089 109773
58	Contemporary Trade Directory Entries Name: D M Precision Ltd Location: Unit 4, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	384	-	468091 109807
58	Contemporary Trade Directory Entries Name: Apricorn Systems Ltd Location: Unit 4/5, Aysgarth Road, Waterlooville, Hampshire, PO7 7UG Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	384	-	468091 109807
58	Contemporary Trade Directory Entries Name: Action Pumps Ltd Location: Unit 5, Aysgarth Rd, Waterlooville, Hampshire, PO7 7UG Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (N)	399	-	468094 109822
58	Contemporary Trade Directory Entries Name: S C E S Air Conditioning Ltd Location: Unit 5, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	400	-	468095 109823



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	Contemporary Trade Directory Entries Name: Qualiturn Engineering Ltd Location: Unit 12, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	403	-	468054 109823
58	Contemporary Trade Directory Entries Name: A S Precision Engineering Ltd Location: Unit 12, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	403	-	468054 109823
59	Contemporary Trade Directory Entries Name: Denton Rubber Sheeting Location: 8, Hulbert Road, Waterlooville, Hampshire, PO7 7NT Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	360	-	468472 109441
60	Contemporary Trade Directory Entries Name: Jewson Ltd Location: 344, London Road, Waterlooville, Hampshire, PO7 7SN Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	363	-	468427 109587
61	Contemporary Trade Directory Entries Name: Creative Fires (Uk) Ltd Location: Unit 14, Arnside Road, Waterlooville, Hampshire, PO7 7UP Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	366	-	468241 109762
61	Contemporary Trade Directory Entries Name: Creative Fires UK Ltd Location: Unit 14, Arnside Road, WATERLOOVILLE, Hampshire, PO7 7UP Classification: Electrical Heating Equipment & Systems Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	366	-	468241 109762
62	Contemporary Trade Directory Entries Name: Fluid Dynamic Systems Location: 2, Spur Road, Waterlooville, Hampshire, PO7 7JL Classification: Hydraulic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	374	-	468487 109372
63	Contemporary Trade Directory Entries Name: Xpress Promotions Ltd Location: Unit 26, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	397	-	468012 109809
63	Contemporary Trade Directory Entries Name: Carousel Tee Shirt Printers Location: Unit 26, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	397	-	468012 109809
64	Contemporary Trade Directory Entries Name: Cemco Services Ltd Location: 2, Relay Road, Waterlooville, Hampshire, PO7 7XA Classification: Automation Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	403	-	467808 109709
64	Contemporary Trade Directory Entries Name: Gen Plus Ltd Location: 2, Relay Road, WATERLOOVILLE, Hampshire, PO7 7XA Classification: Pharmaceutical Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	403	-	467808 109709



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Contemporary Trade Directory Entries Name: Solent Mould Tools Ltd Location: 1, Relay Road, Waterlooville, Hampshire, PO7 7XA Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	403	-	467808 109709
65	Contemporary Trade Directory Entries Name: Sprintprint Location: Regent House, Aston Road, Waterlooville, Hampshire, PO7 7UD Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	408	-	467920 109788
65	Contemporary Trade Directory Entries Name: Sprintprint Location: Regent House, Aston Road, Waterlooville, Hampshire, PO7 7UD Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	408	-	467920 109788
66	Contemporary Trade Directory Entries Name: Barlow Engineering Ltd Location: Unit 27, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	409	-	467998 109819
66	Contemporary Trade Directory Entries Name: United Coating Ltd Location: Unit 28, The Parkwood Centre, Aston Rd, Waterlooville, Hampshire, PO7 7HT Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	415	-	468019 109830
66	Contemporary Trade Directory Entries Name: Roofline Installations Location: Unit 9/11, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	425	-	468064 109847
66	Contemporary Trade Directory Entries Name: Artyzan Press Location: Unit 9,11, The Parkwood Centre, Aston Rd, Waterlooville, Hampshire, PO7 7HT Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	432	-	468055 109852
66	Contemporary Trade Directory Entries Name: Aes Environmental Systems Location: Unit 8, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	436	-	468047 109856
66	Contemporary Trade Directory Entries Name: Electrical Design Services Location: Unit 1, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	446	-	468022 109862
66	Contemporary Trade Directory Entries Name: Flowseal Ltd Location: Unit 25, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Seal & Joint Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	450	-	468024 109866
66	Contemporary Trade Directory Entries Name: Solent Sewing Machines Ltd Location: 5, Jubilee Business Centre, Aston Road, Waterlooville, Hampshire, PO7 7XD Classification: Sewing Machines - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	488	-	468009 109903



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	Contemporary Trade Directory Entries Name: Charter Blinds Location: 7, Jubilee Business Centre, Aston Road, Waterlooville, Hampshire, PO7 7XD Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	488	-	468009 109903
66	Contemporary Trade Directory Entries Name: Crisp Air Ltd Location: Unit 3,48C Jubilee Business Centre,Aston Rd, Waterlooville, Hampshire, PO7 7XD Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	488	-	468009 109902
67	Contemporary Trade Directory Entries Name: South Coast Films Location: 37, Winifred Road, Waterlooville, Hampshire, PO7 7TD Classification: Window Tinting Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	427	-	468225 109832
68	Contemporary Trade Directory Entries Name: Driveways Southern Ltd Location: Flat 2, Redwood Court, Winifred Road, Waterlooville, Hampshire, PO7 7TQ Classification: Building Block Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	446	-	468397 109758
69	Contemporary Trade Directory Entries Name: Ashmech Location: 62, Forest End, Waterlooville, Hampshire, PO7 7AD Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	467	-	467701 109125
70	Contemporary Trade Directory Entries Name: Amba Dockside Technology Ltd Location: 20, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Gear Cutters Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	474	-	467926 109862
70	Contemporary Trade Directory Entries Name: Kathglade Ltd Location: 20, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	474	-	467926 109862
70	Contemporary Trade Directory Entries Name: Spirit Circuits Ltd Location: 22-24, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Printed Circuit Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	518	-	467907 109903
71	Contemporary Trade Directory Entries Name: Ballard & Bailey Location: Unit 5-6,19 Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	516	-	467970 109922
71	Contemporary Trade Directory Entries Name: Apm Bmw Specialists Location: Unit 4, 19, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	517	-	467971 109923
71	Contemporary Trade Directory Entries Name: Robin Hood Coachbuilders Ltd Location: 19, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Commercial Vehicle Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	517	-	467971 109923



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Contemporary Trade Directory Entries Name: Tectonics Location: 19, Aston Road, Waterlooville, Hampshire, PO7 7XE Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	517	-	467971 109923
71	Contemporary Trade Directory Entries Name: Aston Plot Services Ltd Location: Unit 5, 19, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Printed Circuit Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	517	-	467971 109923
71	Contemporary Trade Directory Entries Name: Jenag Equipment Filtration Engineers Location: 17, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	553	-	467988 109964
72	Contemporary Trade Directory Entries Name: Swan Retail Location: Unit B, Wellington Gate, Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Computer Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	527	-	467690 109767
72	Contemporary Trade Directory Entries Name: G7 Computer Services Ltd Location: Unit B, Wellington Gate, Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Cash Registers & Check-Out Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	527	-	467690 109767
73	Contemporary Trade Directory Entries Name: A P S Pest Control Ltd Location: 16, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	537	-	468032 109955
74	Contemporary Trade Directory Entries Name: Southern Co-Operative Dairies Ltd Location: Aston Rd, Waterlooville, Hampshire, PO7 7RH Classification: Dairies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	548	-	467914 109938
74	Contemporary Trade Directory Entries Name: Commercial Linen Location: 46, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Disability Equipment - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	596	-	467907 109986
74	Contemporary Trade Directory Entries Name: L W & T (Engineering Co) Ltd Location: 42, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	602	-	467945 110004
74	Contemporary Trade Directory Entries Name: Fastright Engineering Location: 42, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	602	-	467945 110004
74	Contemporary Trade Directory Entries Name: Cobra Precision Engineering Location: 26 Aston Rd, Waterlooville, Hampshire, PO7 7XJ Classification: Precision Engineers Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (N)	603	-	467864 109977



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	Contemporary Trade Directory Entries Name: Cobra (Precision Engineering) Ltd Location: 26 Aston Rd, Waterlooville, Hampshire, PO7 7XJ Classification: Precision Engineers Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (N)	604	-	467869 109980
74	Contemporary Trade Directory Entries Name: South Coast Seals Location: 45, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Seal & Joint Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	628	-	467900 110018
74	Contemporary Trade Directory Entries Name: Allflow Pumps & Pump Systems Location: 45, Aston Road, Waterlooville, PO7 7XJ Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	628	-	467900 110018
74	Contemporary Trade Directory Entries Name: South Coast Seals Location: 45, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Sealant Compounds & Applications Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	628	-	467900 110018
74	Contemporary Trade Directory Entries Name: Wingspan Solutions Ltd Location: 45, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	628	-	467900 110018
74	Contemporary Trade Directory Entries Name: Hughes Bros Location: 39, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Glass Fibre Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	629	-	467921 110026
74	Contemporary Trade Directory Entries Name: Waterlooville Crash Repair Centre Location: 39, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	629	-	467921 110026
75	Contemporary Trade Directory Entries Name: Hi Tech Design Ltd Location: Tyak House, 4 Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	549	-	467631 109729
76	Contemporary Trade Directory Entries Name: Motor Vehicle Maintenance Location: 25, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	556	-	467888 109936
76	Contemporary Trade Directory Entries Name: Southern Sealed Units & Glass Ltd Location: Unit 24/25, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Window Frame Manufacturers' Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	556	-	467888 109936
77	Contemporary Trade Directory Entries Name: Aa Service Centre Location: Hambledon Rd, Waterlooville, Hampshire, PO7 7UL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	562	-	467812 109904



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Directory Entries Name: Get Acrylic Photo Frames Location: Unit 15, Aston Rd, Waterlooville, Hampshire, PO7 7XG Classification: Photographic Equipment & Supplies - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	567	-	467998 109980
78	Contemporary Trade Directory Entries Name: Sfx Trade Location: 18 Aston Rd, Waterlooville, Hampshire, PO7 7XG Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	567	-	467998 109980
78	Contemporary Trade Directory Entries Name: Sunlight Plastics Ltd Location: 15, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	567	-	467998 109980
78	Contemporary Trade Directory Entries Name: Ultra Press Location: Unit 15, Churchill Yard Ind Est, Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	590	-	468048 110011
78	Contemporary Trade Directory Entries Name: Ultra Press Location: Unit 15, Churchill Yard Ind Est, Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	590	-	468048 110011
78	Contemporary Trade Directory Entries Name: Absolute Autos Location: 13-14, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	591	-	468022 110009
78	Contemporary Trade Directory Entries Name: Crm Saw & Tool Co Ltd Location: 13-14, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Tool Sharpening, Repairing & Servicing Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	591	-	468022 110009
78	Contemporary Trade Directory Entries Name: F & S Engineering Ltd Location: 13-14, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	591	-	468022 110009
78	Contemporary Trade Directory Entries Name: Ash Autos Location: 11, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	607	-	467996 110021
78	Contemporary Trade Directory Entries Name: Martin Goddard Engineering Ltd Location: 12, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	607	-	468012 110023
78	Contemporary Trade Directory Entries Name: Car Cosmetics Location: 10a, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	613	-	467984 110024
78	Contemporary Trade Directory Entries Name: Alma Garage Location: 10a, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	613	-	467984 110024



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Directory Entries Name: L S Autos Location: Unit 4, Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	613	-	468034 110032
78	Contemporary Trade Directory Entries Name: Waterloooville Fabrications Location: Unit 5, Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	613	-	468034 110032
78	Contemporary Trade Directory Entries Name: The Printers Ltd Location: Unit 15, Churchill Yard Ind Est, Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	613	-	468052 110034
78	Contemporary Trade Directory Entries Name: T J Spraytech Ltd Location: Unit 10, The Parkwood Centre, Aston Road, Waterlooville, Hampshire, PO7 7HT Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	621	-	467988 110034
78	Contemporary Trade Directory Entries Name: Dfe Ltd Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	621	-	467988 110034
78	Contemporary Trade Directory Entries Name: Aston Car Co Ltd Location: 10, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	621	-	467988 110034
78	Contemporary Trade Directory Entries Name: Ultra Press Location: 15 Churchill Yard Ind Est, Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	622	-	468039 110042
78	Contemporary Trade Directory Entries Name: Lines Engineering Location: Unit 7, Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	625	-	468026 110044
78	Contemporary Trade Directory Entries Name: Croesus Trading Ltd Location: Unit 1, Churchill Yard Ind Est, Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Catering Equipment Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	626	-	468012 110043
78	Contemporary Trade Directory Entries Name: A C Redman Metal Spinings Ltd Location: Unit 10, Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Metal Spinners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	630	-	468005 110045
79	Contemporary Trade Directory Entries Name: Handyman Stan Location: 51, Stakes Hill Road, Waterlooville, Hampshire, PO7 7LD Classification: Fascias and Soffits Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	569	-	468493 108977



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	Contemporary Trade Directory Entries Name: L K Cleaning Services Location: Jubilee Rd, Waterlooville, Hampshire, PO7 7RD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	591	-	468326 109970
81	Contemporary Trade Directory Entries Name: A W Motor Co Ltd Location: 41, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	591	-	467957 109996
81	Contemporary Trade Directory Entries Name: Waterlooville Motor Co Mechanical Location: 41, Aston Road, Waterlooville, Hampshire, PO7 7XG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	591	-	467957 109996
82	Contemporary Trade Directory Entries Name: Hi-Tech Mouldings Location: Tyak House, 4, Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	596	-	467565 109714
82	Contemporary Trade Directory Entries Name: Hi Tech Ltd Location: Tyak House, 4, Silverthorne Way, Waterlooville, Hampshire, PO7 7XY Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	596	-	467565 109714
83	Contemporary Trade Directory Entries Name: A. D. S. Precision Engineering Ltd Location: A, 53, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	631	-	468090 110054
83	Contemporary Trade Directory Entries Name: Skeens Precision Engineering Ltd Location: 55-55a, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	642	-	468067 110064
83	Contemporary Trade Directory Entries Name: V R C Coachworks Location: Unit 14 Churchill Yard, Waterlooville, Hampshire, PO7 7RE Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	655	-	468124 110078
84	Contemporary Trade Directory Entries Name: Agtool Engineering Ltd Location: Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	641	-	468028 110060
84	Contemporary Trade Directory Entries Name: Meb Fabrications Ltd Location: Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Metal Products - Fabricated Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	642	-	468001 110057
84	Contemporary Trade Directory Entries Name: Alliance Uk Cleaning Services Location: 57, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	658	-	468039 110078



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	Contemporary Trade Directory Entries Name: Alliance (Uk) Cleaning Location: 57, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	658	-	468039 110078
84	Contemporary Trade Directory Entries Name: Goble Engineering Ltd Location: Churchill Yard Industrial Estate, Jubilee Road, Waterlooville, Hampshire, PO7 7RF Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	665	-	468003 110080
84	Contemporary Trade Directory Entries Name: Ultra Press Ltd Location: Unit 15, Churchill Yard Ind Est, Jubilee Rd, Waterlooville, Hampshire, PO7 7RF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	676	-	468040 110096
85	Contemporary Trade Directory Entries Name: Circuit Supply Ltd Location: 28, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	645	-	467832 110009
85	Contemporary Trade Directory Entries Name: The West Group Ltd Location: 29, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Pneumatic Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	662	-	467824 110024
85	Contemporary Trade Directory Entries Name: The West Group Location: 29, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Pneumatic Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	662	-	467824 110024
85	Contemporary Trade Directory Entries Name: The West Group Location: 29, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Pneumatic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	662	-	467824 110024
85	Contemporary Trade Directory Entries Name: C B A Domestics Location: 9, Fennell Close, Waterlooville, Hampshire, PO7 7XH Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	693	-	467812 110053
86	Contemporary Trade Directory Entries Name: The Complete Finishing Co Location: 38c Aston Rd, Waterlooville, Hampshire, PO7 7XF Classification: Powder Coatings Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (N)	647	-	467912 110041
86	Contemporary Trade Directory Entries Name: Velvin Location: Aston Rd, Waterlooville, Hampshire, PO7 7XF Classification: Rubber & Plastic Products - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	647	-	467912 110041
86	Contemporary Trade Directory Entries Name: Acme Printing Co Ltd Location: 37, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	661	-	467904 110053



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Contemporary Trade Directory Entries Name: Steve Jackson Pump Services Ltd Location: 37, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	661	-	467904 110053
86	Contemporary Trade Directory Entries Name: Dot Inprint Location: 37, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	661	-	467904 110053
86	Contemporary Trade Directory Entries Name: Southbourne Rubber Co Ltd Location: 47, Aston Road, Waterlooville, Hampshire, PO7 7XJ Classification: Rubber & Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	671	-	467875 110054
86	Contemporary Trade Directory Entries Name: A L Motors Location: 35, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	677	-	467895 110067
86	Contemporary Trade Directory Entries Name: Waterlooville Motor Co Location: 36, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	680	-	467905 110074
86	Contemporary Trade Directory Entries Name: Croft Grp Location: 36, Aston Road, Waterlooville, Hampshire, PO7 7XF Classification: Glass Fibre Moulding, Materials & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	680	-	467905 110074
87	Contemporary Trade Directory Entries Name: Hulbert Road Cemetery Location: Hulbert Rd, Waterlooville, Hampshire, PO7 7NT Classification: Cemeteries & Crematoria Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	662	-	468776 109386
88	Contemporary Trade Directory Entries Name: Jubilee Road Motors Ltd Location: 76, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	670	-	468173 110089
88	Contemporary Trade Directory Entries Name: Solentec Ltd Location: 82a, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	682	-	468146 110104
89	Contemporary Trade Directory Entries Name: Bright & Beautiful Waterlooville Location: 11, Hermitage Gardens, Waterlooville, Hampshire, PO7 7PR Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	694	-	468791 109559
90	Contemporary Trade Directory Entries Name: Speedcut Location: 88a, Jubilee Road, Waterlooville, Hampshire, PO7 7RE Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	696	-	468098 110119
91	Contemporary Trade Directory Entries Name: London Road Motors Location: 179, London Road, Waterlooville, Hampshire, PO7 7RJ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	698	-	468518 109984



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	Contemporary Trade Directory Entries Name: Car Connections Location: 179, London Road, Waterlooville, Hampshire, PO7 7RJ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	698	-	468518 109984
92	Contemporary Trade Directory Entries Name: Hampshire Sports Equipment Location: 3, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Sports Equipment Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	699	-	467464 109748
92	Contemporary Trade Directory Entries Name: Connector & Terminal Supplies Ltd Location: 2, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	709	-	467459 109758
92	Contemporary Trade Directory Entries Name: Telecall Ltd Location: 1, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Telecommunications Equipment & Systems Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	717	-	467454 109766
93	Contemporary Trade Directory Entries Name: Davage Welding Location: 33, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	714	-	467847 110089
93	Contemporary Trade Directory Entries Name: Screen Print Promotions Location: 34b, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	726	-	467857 110106
93	Contemporary Trade Directory Entries Name: Timbervision Location: 34, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Cabinet Makers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (N)	726	-	467842 110101
93	Contemporary Trade Directory Entries Name: Adp Ltd Location: 34, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	726	-	467842 110101
93	Contemporary Trade Directory Entries Name: Venture-Flex Ltd Location: 34e, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Hose, Tubing & Fittings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	733	-	467871 110119
93	Contemporary Trade Directory Entries Name: Waterlooville Exhaust Centre Location: 34f, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Exhaust System Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	736	-	467876 110124
93	Contemporary Trade Directory Entries Name: Boxhall Location: 34f, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Exhaust & Shock Absorber Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A18NW (N)	736	-	467876 110124
93	Contemporary Trade Directory Entries Name: Stylish Glass Ltd Location: 34g, Aston Road, Waterlooville, Hampshire, PO7 7XQ Classification: Glass Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	740	-	467879 110129



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	Contemporary Trade Directory Entries Name: Capella Communications Location: 23, Cavendish Close, Waterlooville, Hampshire, PO7 7PP Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	722	-	468798 109636
95	Contemporary Trade Directory Entries Name: Anglepoise Ltd Location: 4-6, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	722	-	467424 109719
95	Contemporary Trade Directory Entries Name: Pneumatic Solutions International Location: 10-11, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Pneumatic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	754	-	467406 109755
95	Contemporary Trade Directory Entries Name: Pneumatic Solutions International Location: 10-11, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	754	-	467406 109755
95	Contemporary Trade Directory Entries Name: Pneumatic Solutions International Ltd Location: 8, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Pneumatic Systems & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	763	-	467391 109745
95	Contemporary Trade Directory Entries Name: Fleet Uk Location: 7, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NW)	764	-	467386 109738
95	Contemporary Trade Directory Entries Name: Fleet Uk.Com Location: 7, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (NW)	764	-	467386 109738
95	Contemporary Trade Directory Entries Name: Jpl4 Location: 7, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Fibre Optics Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (NW)	764	-	467386 109738
96	Contemporary Trade Directory Entries Name: Rusdene Services Location: Waterlooville Service Station, Elettra Av, Waterlooville, Hampshire, PO7 7XW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	743	-	467636 110006
97	Contemporary Trade Directory Entries Name: Access 24 Location: London Road, Waterlooville, Hampshire, PO7 5SX Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SW)	748	-	467406 109075
98	Contemporary Trade Directory Entries Name: Westerly Group Ltd Location: 1-2, Aston Road, Waterlooville, Hampshire, PO7 7UX Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	753	-	467950 110160
98	Contemporary Trade Directory Entries Name: W P L Ltd Location: 1-2, Aston Road, Waterlooville, Hampshire, PO7 7UX Classification: Sewage Disposal - Equipment & Service Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	753	-	467950 110160



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	Contemporary Trade Directory Entries Name: Outside Cleaning Location: 7, High Trees, Waterlooville, Hampshire, PO7 7XP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	754	-	468652 109939
100	Contemporary Trade Directory Entries Name: J C Dix Engineering Ltd Location: 14-15, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	783	-	467390 109786
100	Contemporary Trade Directory Entries Name: Hi-Tech Ltd Location: 14-15, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	783	-	467390 109786
100	Contemporary Trade Directory Entries Name: M G Automation Ltd Location: 16, Stratfield Park, Elettra Avenue, Waterlooville, Hampshire, PO7 7XN Classification: Automation Systems & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	791	-	467376 109777
100	Contemporary Trade Directory Entries Name: Archfact Ltd Location: 10, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	818	-	467350 109784
101	Contemporary Trade Directory Entries Name: Hi Tech Precision Engineering Location: 6, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	783	-	467411 109822
101	Contemporary Trade Directory Entries Name: Jim Stokes Workshops Ltd Location: 7, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Classic Car Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	790	-	467396 109811
101	Contemporary Trade Directory Entries Name: Jim Stokes Location: 7, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Engines - Sales & Service Status: Active Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	790	-	467396 109811
102	Contemporary Trade Directory Entries Name: Swift 1801 Ltd Location: 28, Cavendish Close, Waterlooville, Hampshire, PO7 7PP Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	788	-	468854 109672
103	Contemporary Trade Directory Entries Name: Wkb Nissan Location: 1, Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	798	-	467613 110058
103	Contemporary Trade Directory Entries Name: W K B Toyota Location: 1, Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	798	-	467613 110058



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: W K B Nissan Waterlooville Location: 1, Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	798	-	467613 110058
103	Contemporary Trade Directory Entries Name: W K B Havant Ltd Location: 1, Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	798	-	467613 110058
103	Contemporary Trade Directory Entries Name: Lomas Ltd Location: Elettra Avenue, Waterlooville, Hampshire, PO7 7XW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A17NE (NW)	831	-	467598 110087
104	Contemporary Trade Directory Entries Name: Talking Plastics Ltd Location: 3, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	848	-	467367 109874
104	Contemporary Trade Directory Entries Name: Solent Manufacturing Location: 4-5, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	856	-	467350 109862
104	Contemporary Trade Directory Entries Name: Bigneat Ltd Location: 4-5, Pipers Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire, PO7 7XU Classification: Filtration Systems & Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	864	-	467334 109851
104	Contemporary Trade Directory Entries Name: A Healey Office Equipment Ltd Location: 2, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	866	-	467360 109896
104	Contemporary Trade Directory Entries Name: Data Display Uk Ltd Location: 3, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	882	-	467330 109879
104	Contemporary Trade Directory Entries Name: Data Display Uk Ltd Location: 3, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Electronic Equipment - Manufacturers & Assemblers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	882	-	467330 109879
105	Contemporary Trade Directory Entries Name: Sue'S Pet Supplies Location: 45, Mill Road, Waterlooville, Hampshire, PO7 7DH Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	869	-	468248 108532
106	Contemporary Trade Directory Entries Name: Solent Refrigeration Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	877	-	467410 109978



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Contemporary Trade Directory Entries Name: Solent Refrigeration & Hvac Ltd Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	877	-	467410 109978
106	Contemporary Trade Directory Entries Name: H V A C Contractors Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	877	-	467410 109978
106	Contemporary Trade Directory Entries Name: Reebrooks Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	877	-	467410 109978
106	Contemporary Trade Directory Entries Name: Press To Print Location: Unit 1, Mornington Place, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	877	-	467410 109978
106	Contemporary Trade Directory Entries Name: John Rothery Wholesale Co Ltd Location: Rothery House, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Sports Equipment Manufacturers & Distributors Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	885	-	467376 109950
107	Contemporary Trade Directory Entries Name: Supreme Petfoods Ltd Location: Supreme House, 12, The Briars, Waterberry Drive, Waterlooville, Hampshire, PO7 7YH Classification: Pet Foods & Animal Feeds Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	899	-	467451 110055
107	Contemporary Trade Directory Entries Name: Kongsberg Maritime Ltd Location: 11, The Briars, Waterberry Drive, Waterlooville, Hampshire, PO7 7YH Classification: Marine Electrical & Electronic Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	902	-	467426 110033
107	Contemporary Trade Directory Entries Name: Mooreserve Ltd Location: 20a, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	945	-	467411 110079
107	Contemporary Trade Directory Entries Name: Popping Tins Ltd Location: 20b, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Vending Machine Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	945	-	467411 110079
108	Contemporary Trade Directory Entries Name: All Fired Up Location: 1, Oakhurst Drive, Waterlooville, Hampshire, PO7 7PN Classification: Woodburning Stoves Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	904	-	468975 109679
109	Contemporary Trade Directory Entries Name: Azure Cleaning Services Location: 28, Walton Close, Waterlooville, Hampshire, PO7 7DJ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	908	-	468402 108534



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Contemporary Trade Directory Entries Name: Southern Cross Packaging Location: 1, The Meadows, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Packaging & Wrapping Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	921	-	467316 109928
110	Contemporary Trade Directory Entries Name: Pegasus Ltd Location: Pegasus House, Waterberry Drive, Waterlooville, Hampshire, PO7 7XX Classification: Medical Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	966	-	467285 109962
111	Contemporary Trade Directory Entries Name: Research Analyst Defence Ltd Location: 22, Highfield Avenue, Waterlooville, Hampshire, PO7 7PX Classification: Defence Systems Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	926	-	468748 110086
112	Contemporary Trade Directory Entries Name: Capital Installations & Services Location: 21a, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	945	-	467404 110073
112	Contemporary Trade Directory Entries Name: Powertec (Hvac & Electrical) Ltd Location: 22a, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	947	-	467396 110067
112	Contemporary Trade Directory Entries Name: Jaycee Ltd Location: 22b, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Furniture Manufacturers - Home & Office Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	947	-	467396 110067
112	Contemporary Trade Directory Entries Name: Casella Spectrascan Location: 23b-25, Picton House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SQ Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	957	-	467368 110051
112	Contemporary Trade Directory Entries Name: H Scientific Ltd Location: 1, Lancer House, Hussar Court, Westside View, Waterlooville, Hampshire, PO7 7SE Classification: Marine Electrical & Electronic Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	979	-	467327 110040
113	Contemporary Trade Directory Entries Name: Wessex Technology Oep Ltd Location: Somerset House, Hussar Court, Waterlooville, Hampshire, PO7 7SG Classification: Electronic Engineers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17NW (NW)	989	-	467413 110142
114	Fuel Station Entries Name: Asda Waterlooville Automat Location: Maurepass Way, Waterlooville, Hampshire, Po7 7xr Brand: Asda Premises Type: Hypermarket Status: Under Development Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	170	-	467905 109413
115	Fuel Station Entries Name: Shell Waterlooville Location: 222, London Road, Waterlooville, Hampshire, PO7 7AA Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13SW (S)	296	-	468040 109094



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Fuel Station Entries Name: Waterloooville Service Station Location: Elettra Avenue, Waterloooville, Hampshire, PO7 7XW Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	869	-	467569 110113



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	Nitrate Vulnerable Zones Name: Not Supplied Description: Eutrophic Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SE (E)	0	6	468095 109405
118	Nitrate Vulnerable Zones Name: Not Supplied Description: Eutrophic Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SE (S)	184	6	468095 109203



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Hampshire District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department Portsmouth City Council - Health and Trading Standards Winchester City Council - Environmental Health Department	January 2015 January 2015 July 2013 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	January 2015	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Southern Region	January 2015	Quarterly
Local Authority Integrated Pollution Prevention And Control Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Winchester City Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2014 October 2012 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Winchester City Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2014 October 2012 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Winchester City Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2014 October 2012 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	As notified
Registered Radioactive Substances Scottish Environment Protection Agency - Head Office Environment Agency - Southern Region	January 1998 January 2015	Not Applicable Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	January 2015 January 2015 January 2015	Quarterly Quarterly Quarterly



Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - Southern Region	October 2014	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	January 2015	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2015	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2014	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	October 2014	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	October 2014	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	October 2014	Quarterly
Flood Defences Environment Agency - Head Office	October 2014	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually



Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	February 2015 February 2015 February 2015	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	August 2014 August 2014 August 2014	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	August 2014 August 2014 August 2014 August 2014	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Chichester District Council - Environmental Health Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department West Sussex County Council - Environment & Development Winchester City Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Chichester District Council - Environmental Health Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department West Sussex County Council - Environment & Development Winchester City Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
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	January 2015	Bi-Annually
Explosive Sites Health and Safety Executive	October 2014	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Havant Borough Council - Commercial Team Portsmouth City Council - Planning Office Hampshire County Council - Minerals and Waste Planning West Sussex County Council - Environment & Development Chichester District Council - Planning Department East Hampshire District Council Winchester City Council - Planning Department	December 2014 February 2015 March 2015 October 2006 September 2014 September 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Havant Borough Council - Commercial Team Portsmouth City Council - Planning Office Hampshire County Council - Minerals and Waste Planning West Sussex County Council - Environment & Development Chichester District Council - Planning Department East Hampshire District Council Winchester City Council - Planning Department	December 2014 February 2015 March 2015 October 2006 September 2014 September 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update



Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2014	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	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	July 2014	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	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 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2014	Quarterly



Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	February 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2014	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2015	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	March 2015	Bi-Annually
National Parks Natural England	February 2015	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)	July 2014	Annually
Ramsar Sites Natural England	March 2014	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2015	Bi-Annually
Special Areas of Conservation Natural England	March 2014	Bi-Annually
Special Protection Areas Natural England	April 2015	Bi-Annually



A selection of organisations who provide data within this report

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



Contact	Name and Address	Contact Details
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	Havant Borough Council - Environmental Health Department Public Service PLaza, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 023 9244 6677 Email: env.services@havant.gov.uk Website: www.havant.gov.uk
4	Scottish Environment Protection Agency - Head Office Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
5	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
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
8	Winchester City Council - Environmental Health Department City Offices, Colebrook Street, Winchester, Hampshire, SO23 9LJ	Telephone: 01962 848519 Fax: 01962 849101 Website: www.winchester.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

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

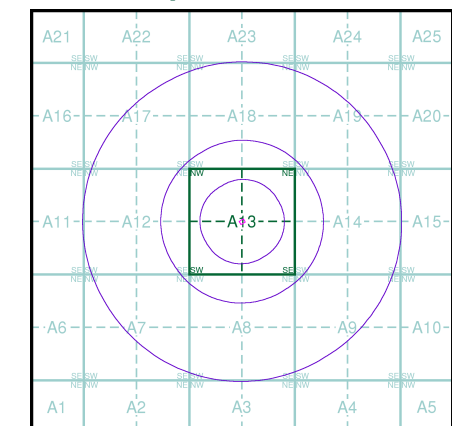
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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



Geo-Environmental Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Hampshire & Isle Of Wight	1:10,560	1897 - 1898	4
Hampshire & Isle Of Wight	1:10,560	1909 - 1910	5
Hampshire & Isle Of Wight	1:10,560	1933	6
Hampshire & Isle Of Wight	1:10,560	1933	7
Hampshire & Isle Of Wight	1:10,560	1938 - 1942	8
Historical Aerial Photography	1:10,560	1947 - 1949	9
Ordnance Survey Plan	1:10,000	1962 - 1963	10
Ordnance Survey Plan	1:10,000	1980 - 1982	11
Havant	1:25,000	1983	12
Portsmouth	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1991 - 1992	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2015	16

Historical Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

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

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

Power Station, drawn to scale Hydroelectric Power Station

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

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

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

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

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

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

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

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

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

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

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

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

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

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

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

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

Well Water Reservoir or Rain Water Pit Spring Isobath with value

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

Coniferous Deciduous Mixed Scrub

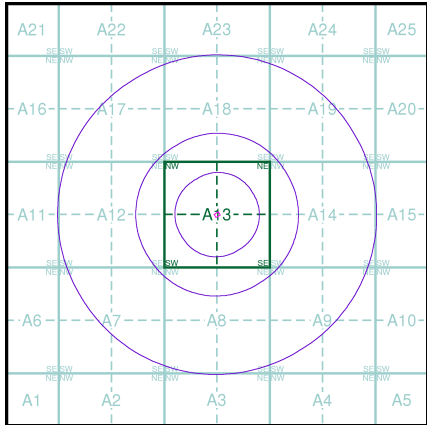
Key to Numbers on Mapping



Geo-Environmental
Historical Mapping & Photography included:

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Hampshire & Isle Of Wight	1:10,560	1897 - 1898	4
Hampshire & Isle Of Wight	1:10,560	1909 - 1910	5
Hampshire & Isle Of Wight	1:10,560	1933	6
Hampshire & Isle Of Wight	1:10,560	1933	7
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VectorMap Local	1:10,000	2015	16

Russian Map - Slice A



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Web: www.envirocheck.co.uk



Map Name(s) and Date(s)

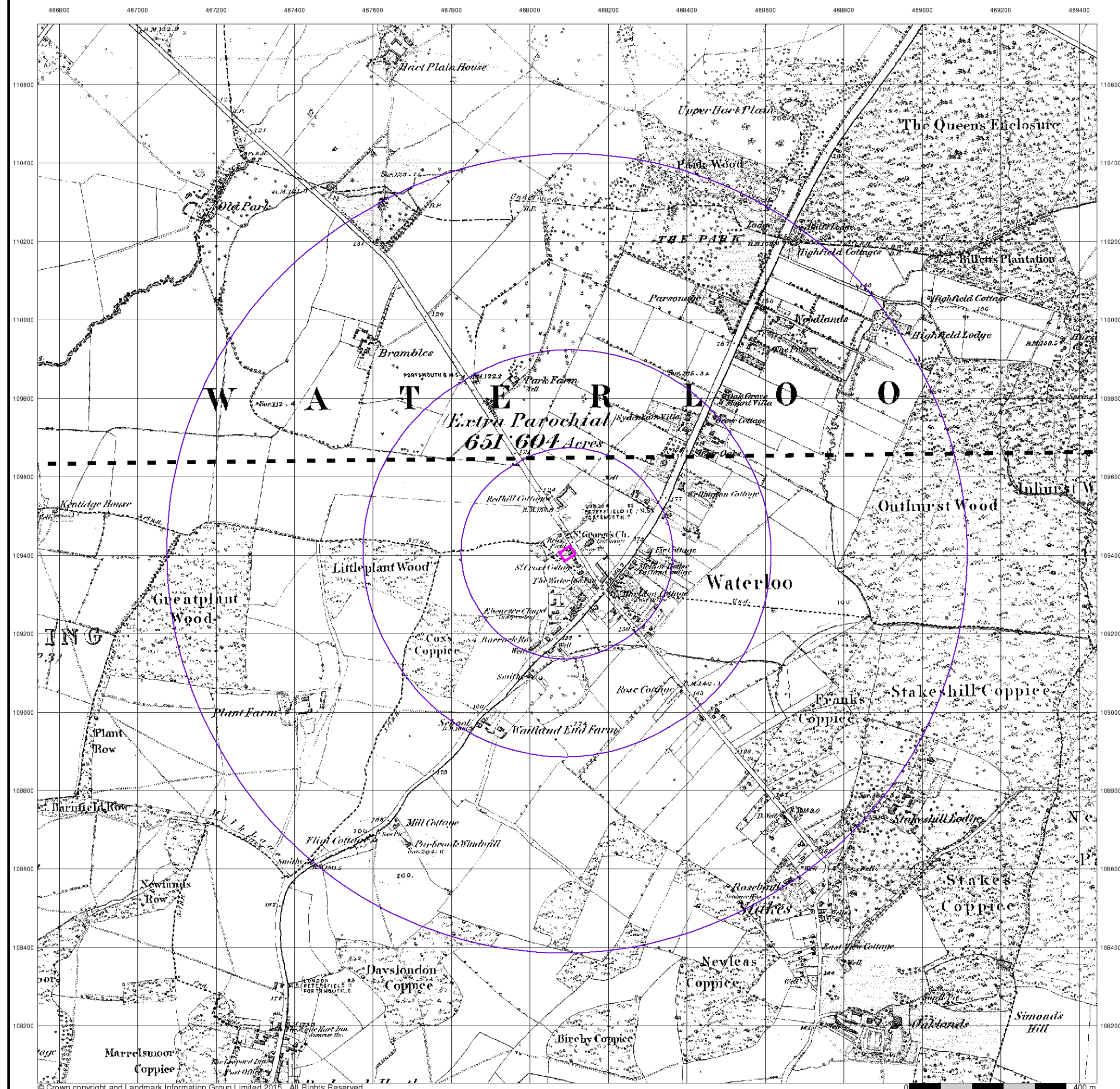


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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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.

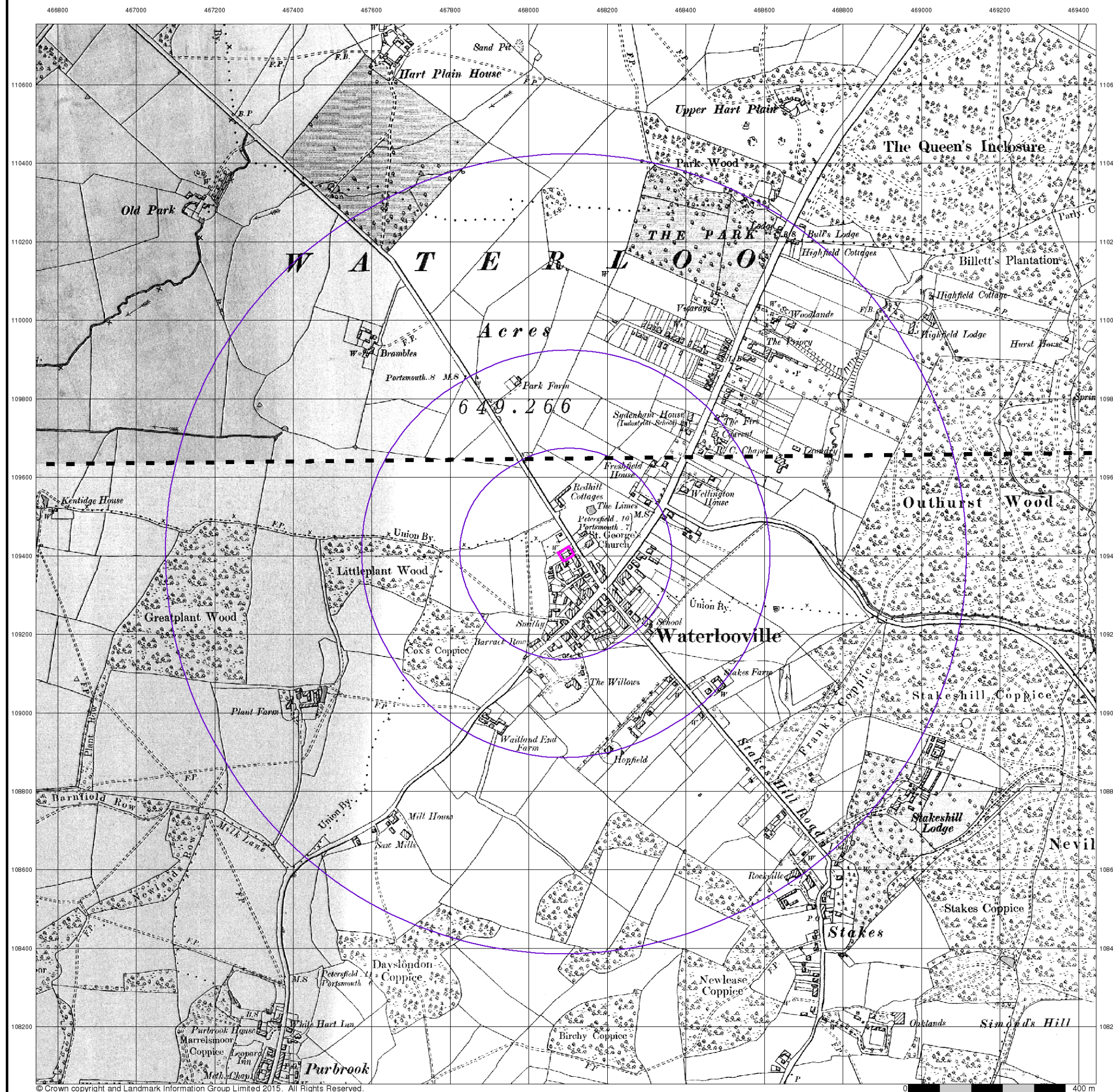
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1897
1:10,560

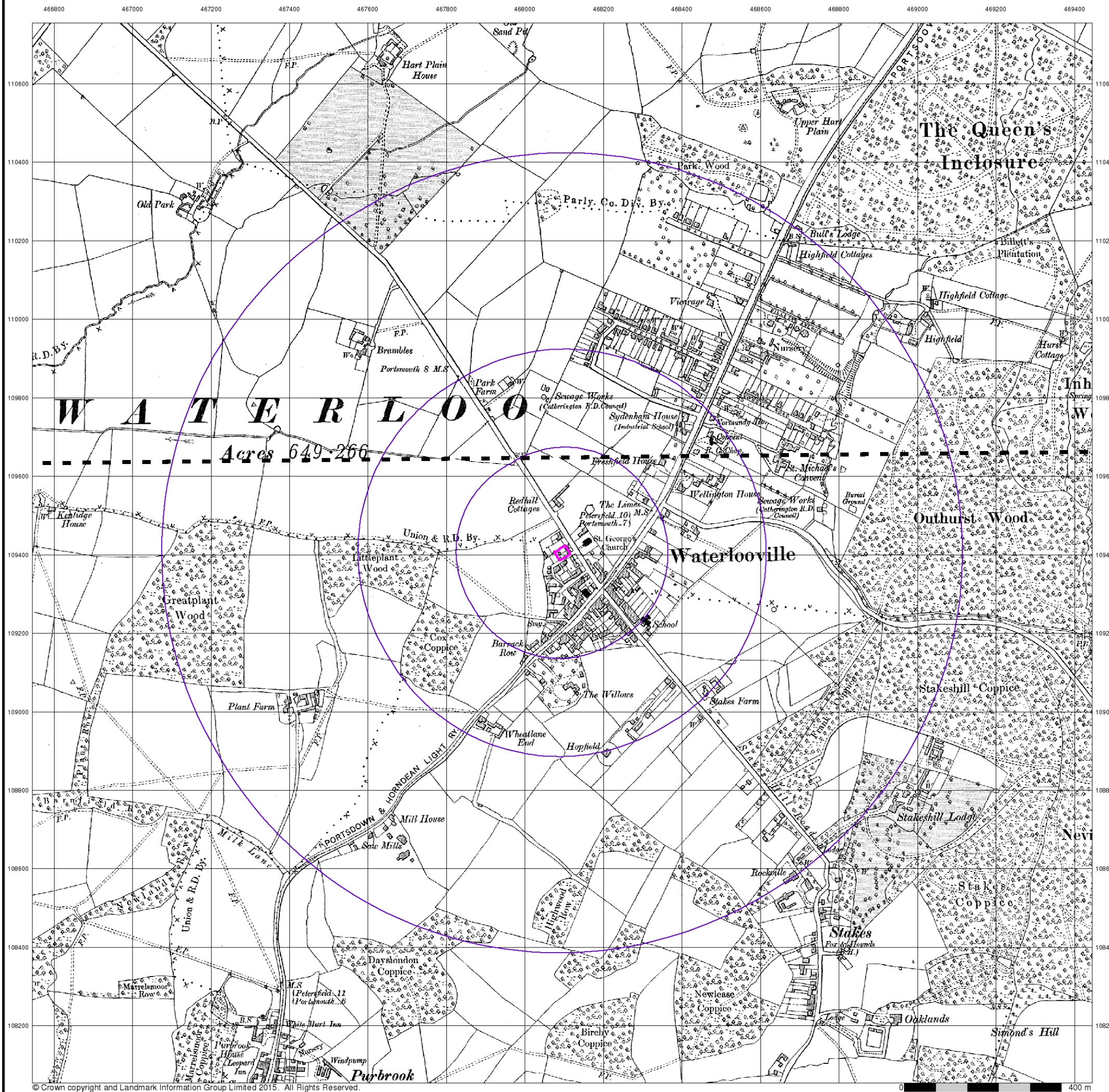
076NW
1898
1:10,560



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Site Area (Ha): 0.08
Search Buffer (m): 1000

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU





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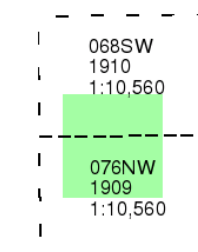
Geo-Environmental Hampshire & Isle Of Wight

Published 1909 - 1910

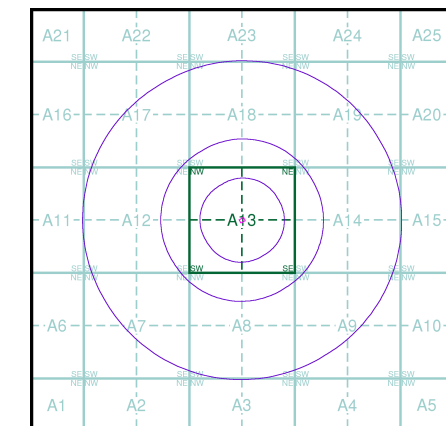
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

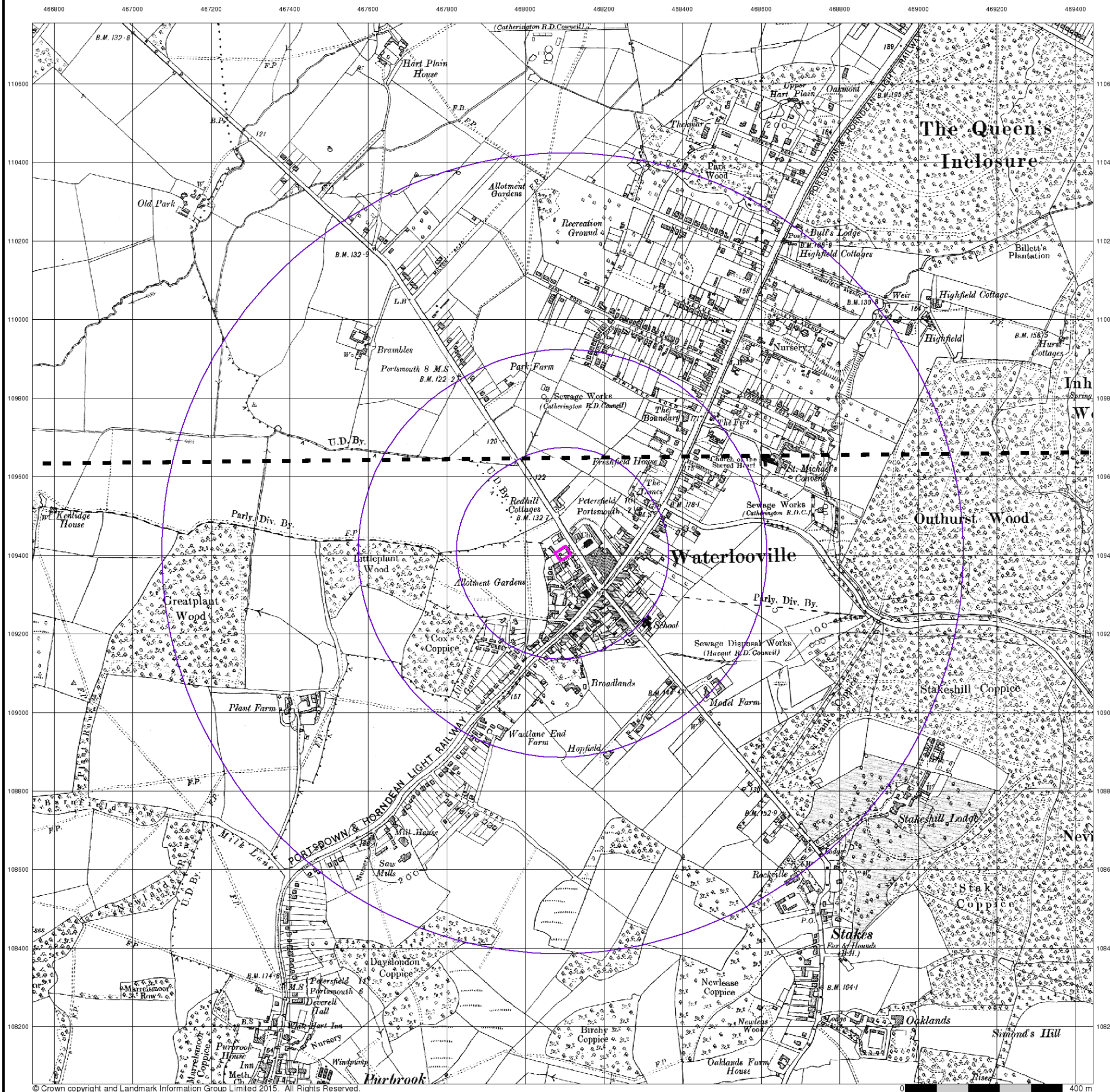
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National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
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Site Details

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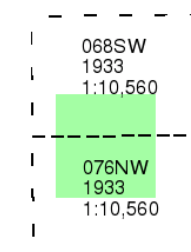
Geo-Environmental Hampshire & Isle Of Wight

Published 1933

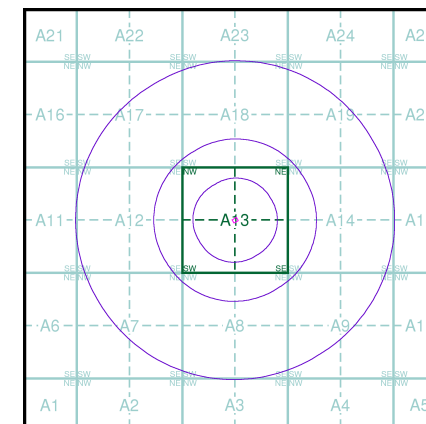
Source map scale - 1:10,560

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



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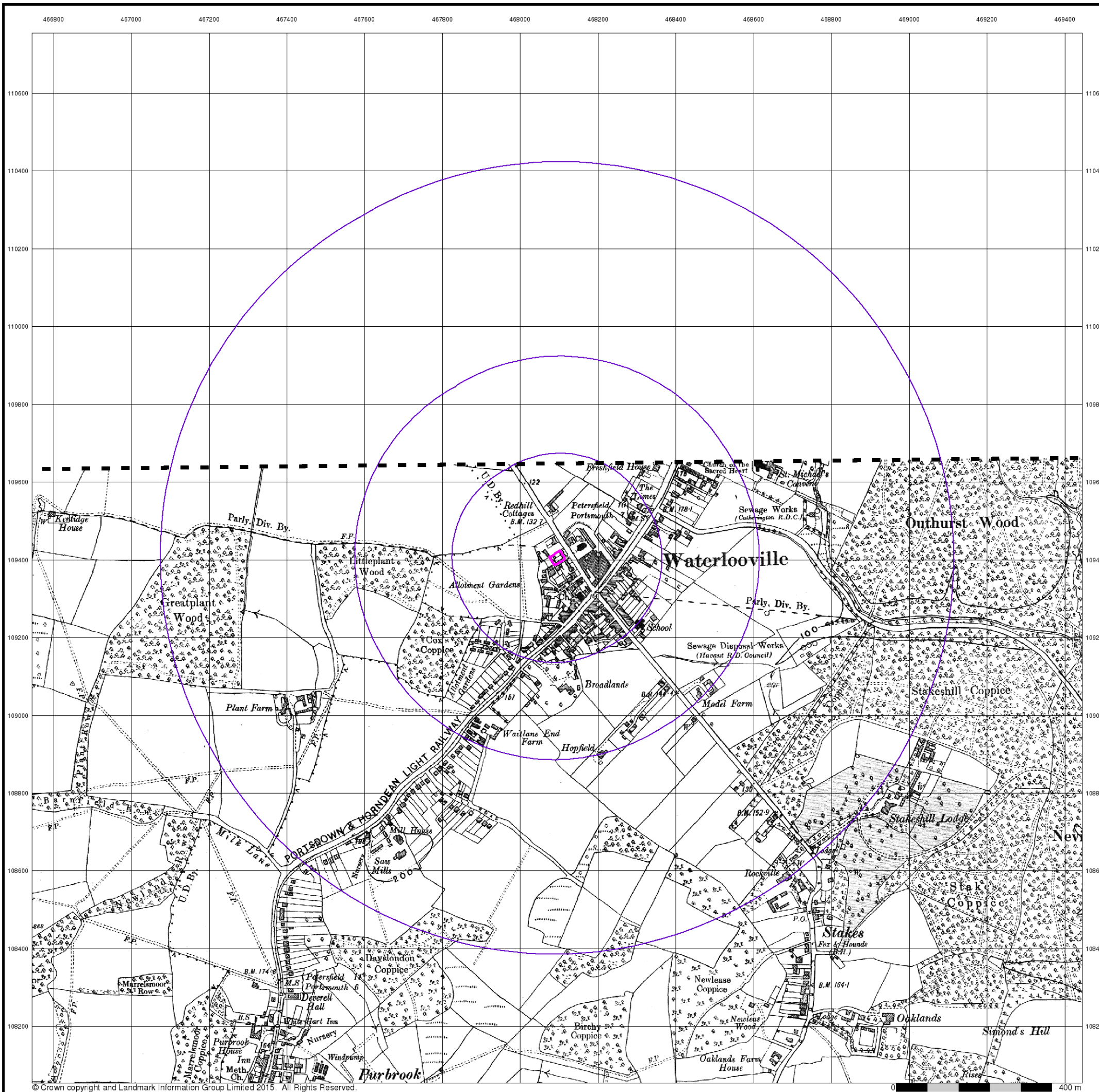
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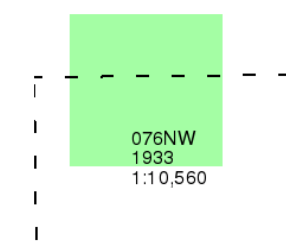
Geo-Environmental Hampshire & Isle Of Wight

Published 1933

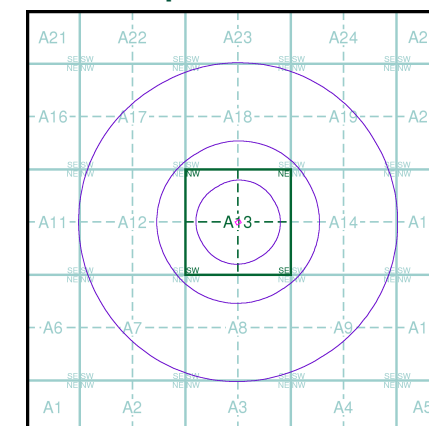
Source map scale - 1:10,560

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

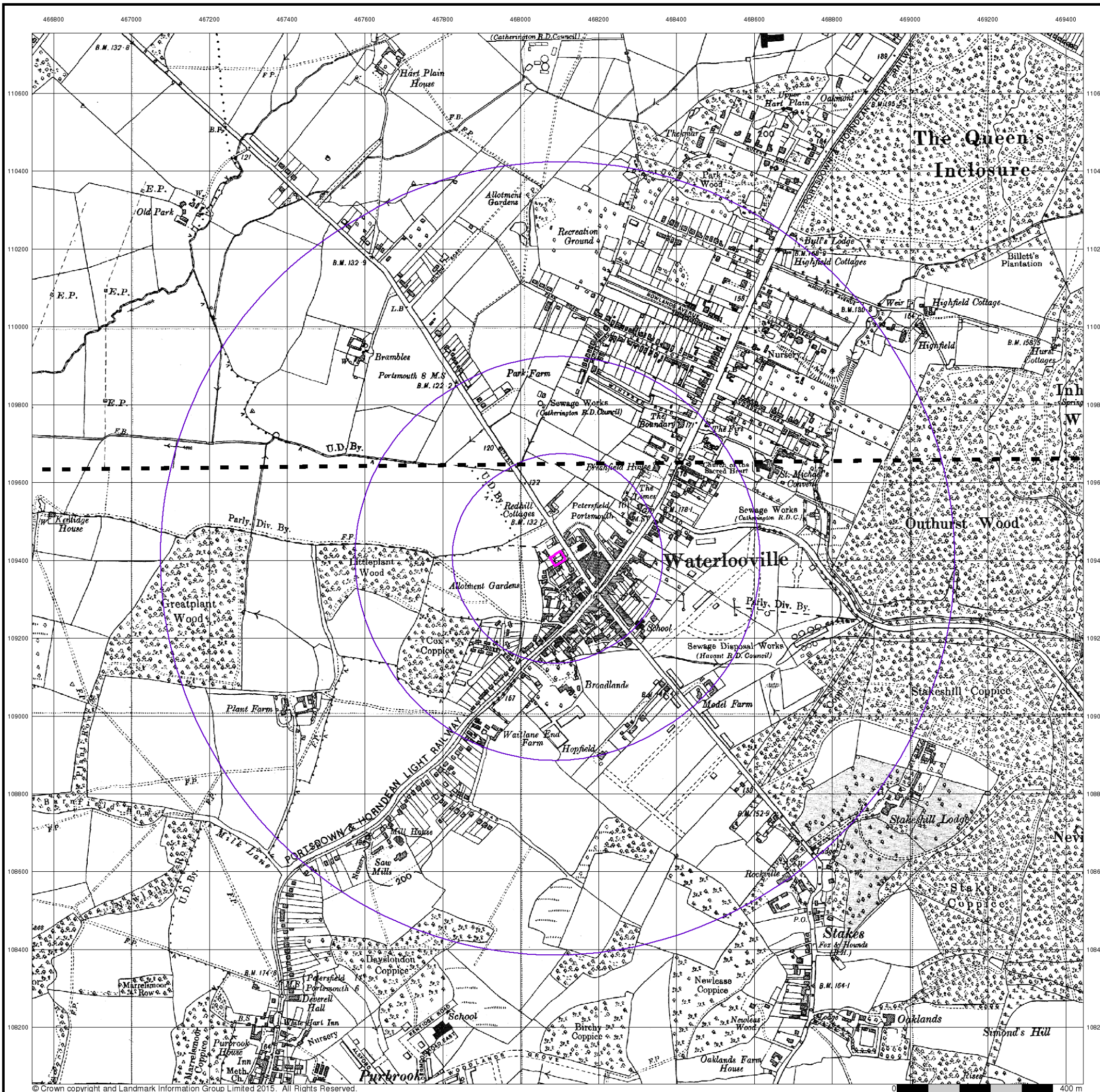
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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Geo-Environmental Hampshire & Isle Of Wight

Published 1938 - 1942

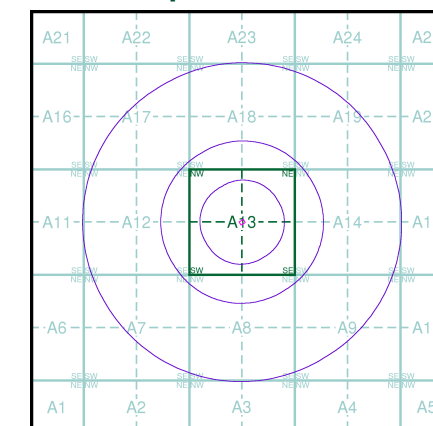
Source map scale - 1:10,560

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)

068SW
1942
1:10,560
076NW
1938
1:10,560

Historical Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Geo-Environmental
Historical Aerial Photography

Published 1947 - 1949

Source map scale - 1:10,560

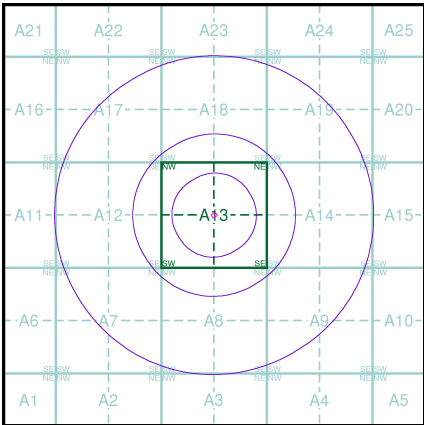
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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)

SU61SE
1947
1:10,560
SU60NE
1949
1:10,560

Historical Aerial Photography - Slice A



LIBRARY
HSILIRB

Order Details

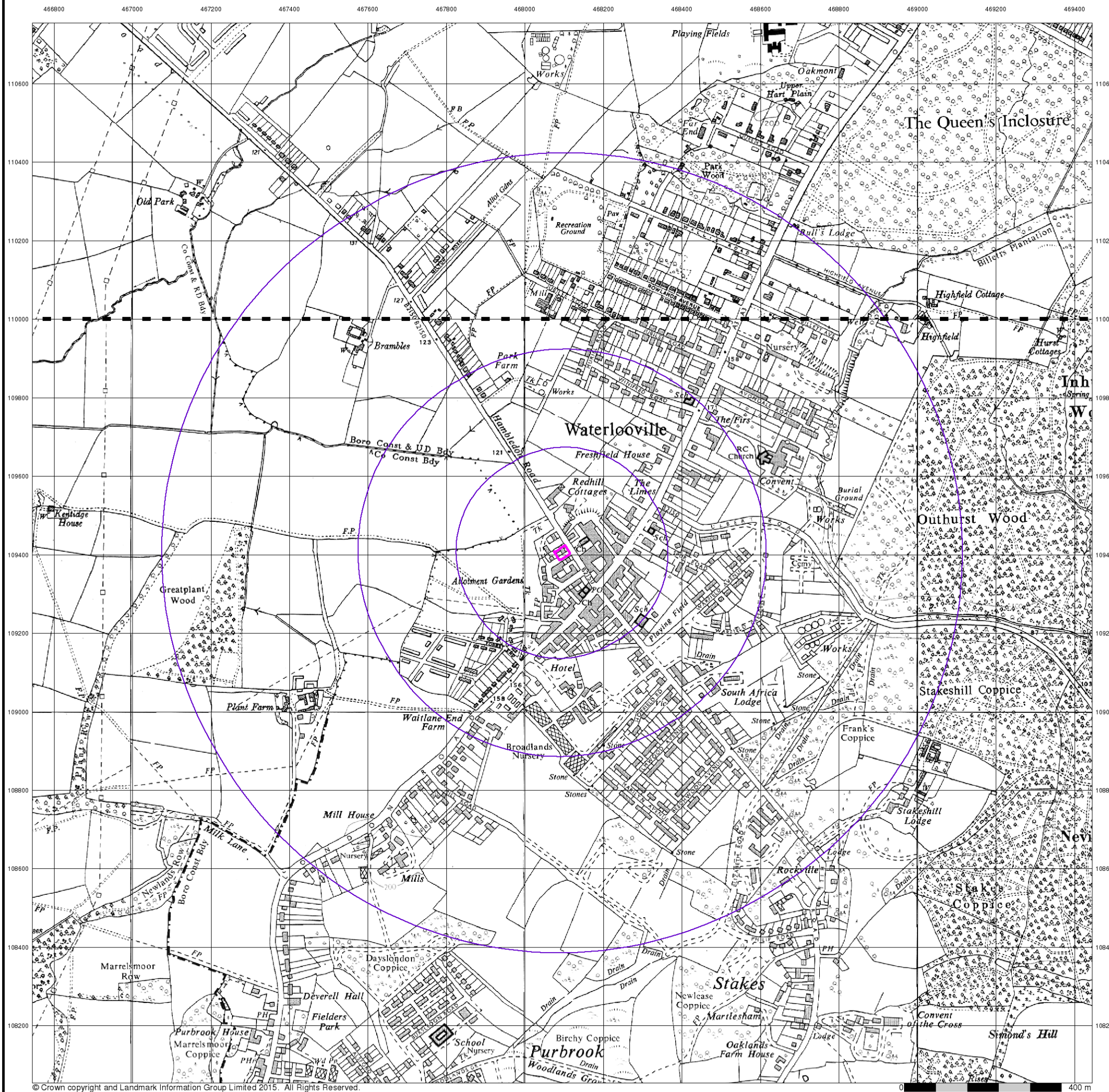
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Geo-Environmental Ordnance Survey Plan

Published 1962 - 1963

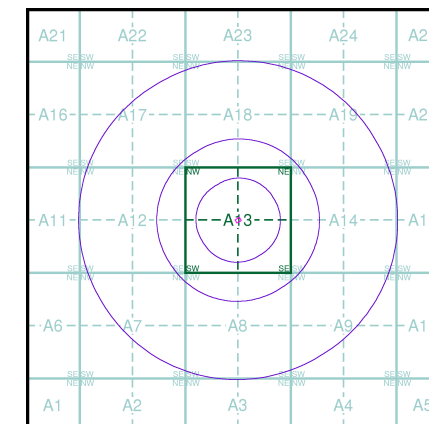
Source map scale - 1:10,000

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)

SU61SE
1962
1:10,560
SU60NE
1963
1:10,560

Historical Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Geo-Environmental Ordnance Survey Plan

Published 1980 - 1982

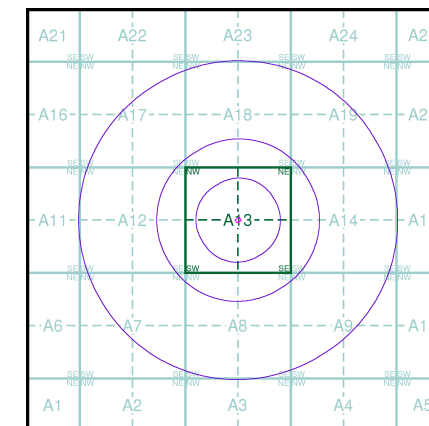
Source map scale - 1:10,000

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)

SU61SE
1980
1:10,000
SU60NE
1982
1:10,000

Historical Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU

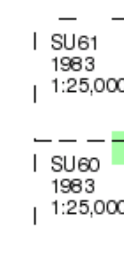


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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

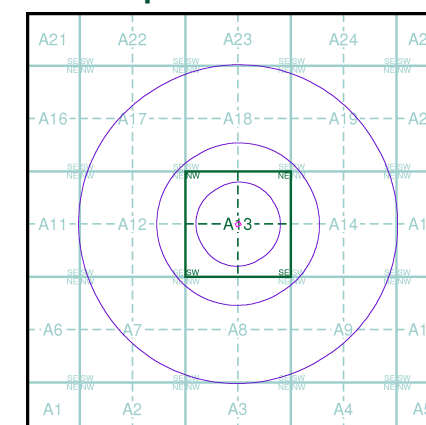


They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

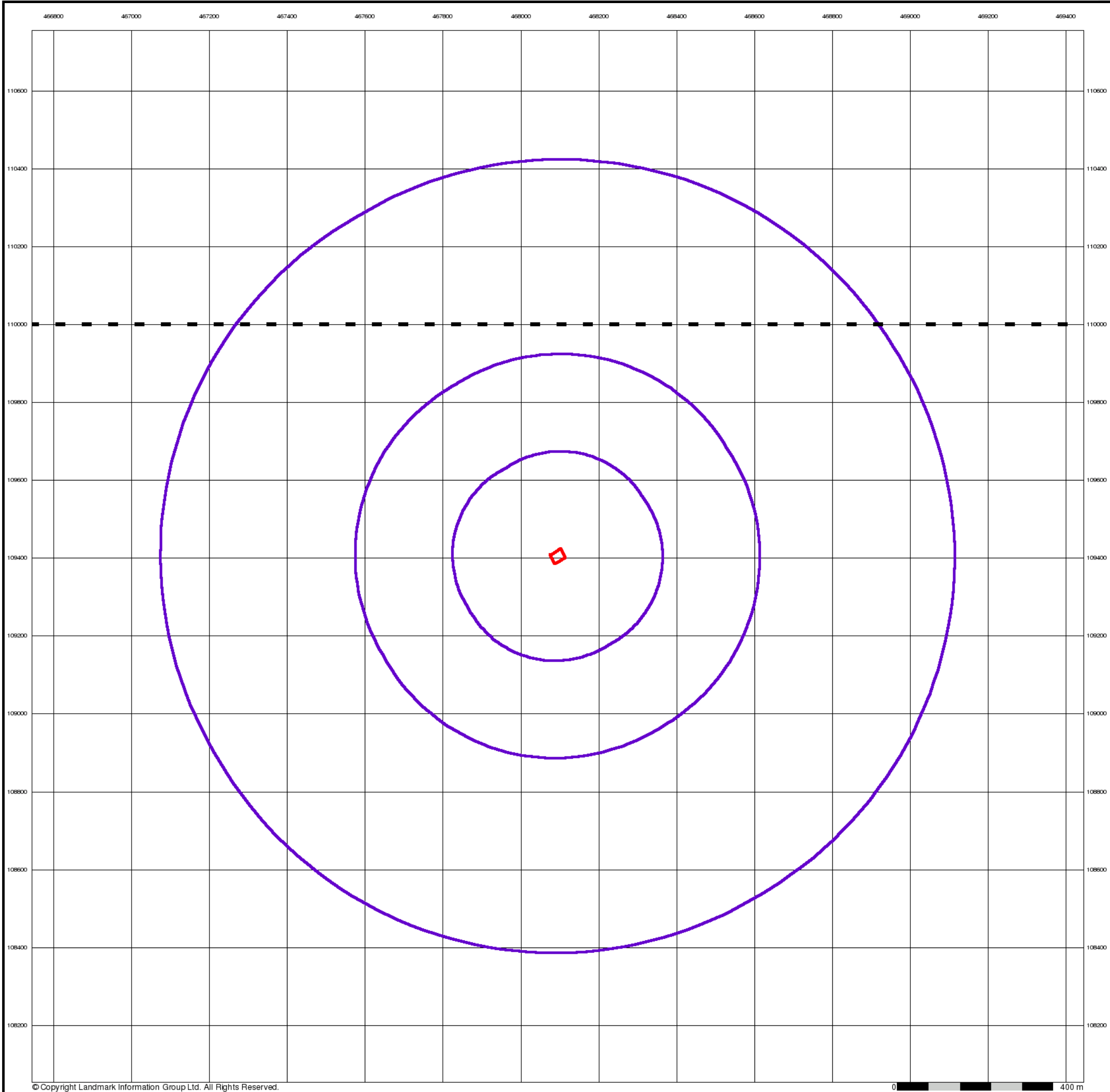
Order Number:	66670439_1_1
Customer Ref:	GE10739
National Grid Reference:	468090, 109400
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Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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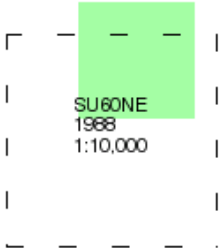
Geo-Environmental Portsmouth

Published 1988

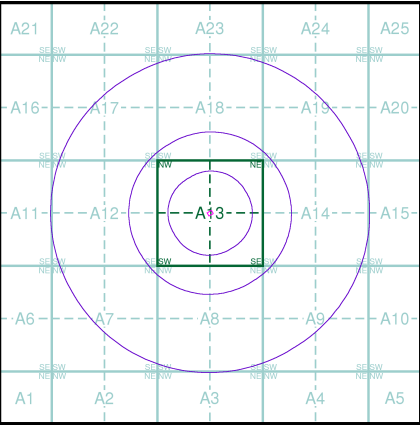
Source map scale - 1:10,000

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)



Russian Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU

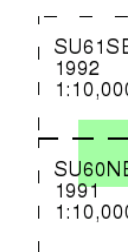


Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

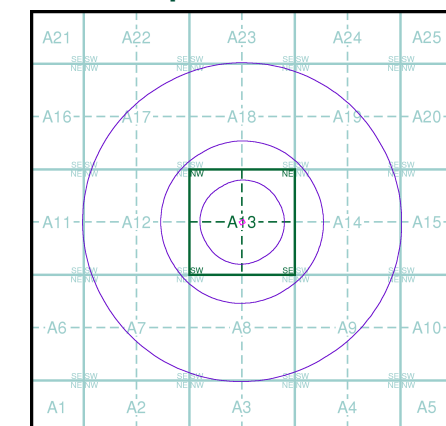


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Geo-Environmental 10k Raster Mapping

Published 2006

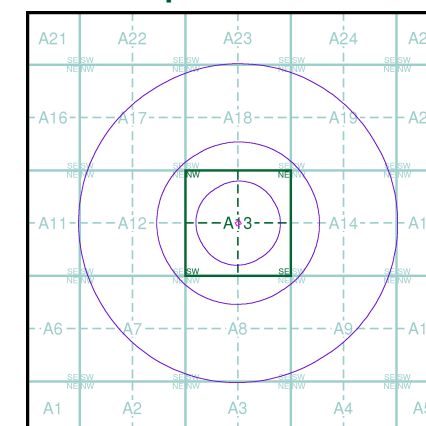
Source map scale - 1:10,000

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)

SU61SE
2006
1:10,000
SU60NE
2006
1:10,000

Historical Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Geo-Environmental VectorMap Local

Published 2015

Source map scale - 1:10,000

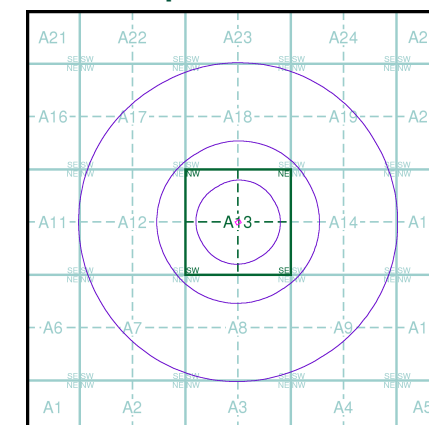
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap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

Map Name(s) and Date(s)

SU61SE
2015
Variable

SU60NE
2015
Variable

Historical Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

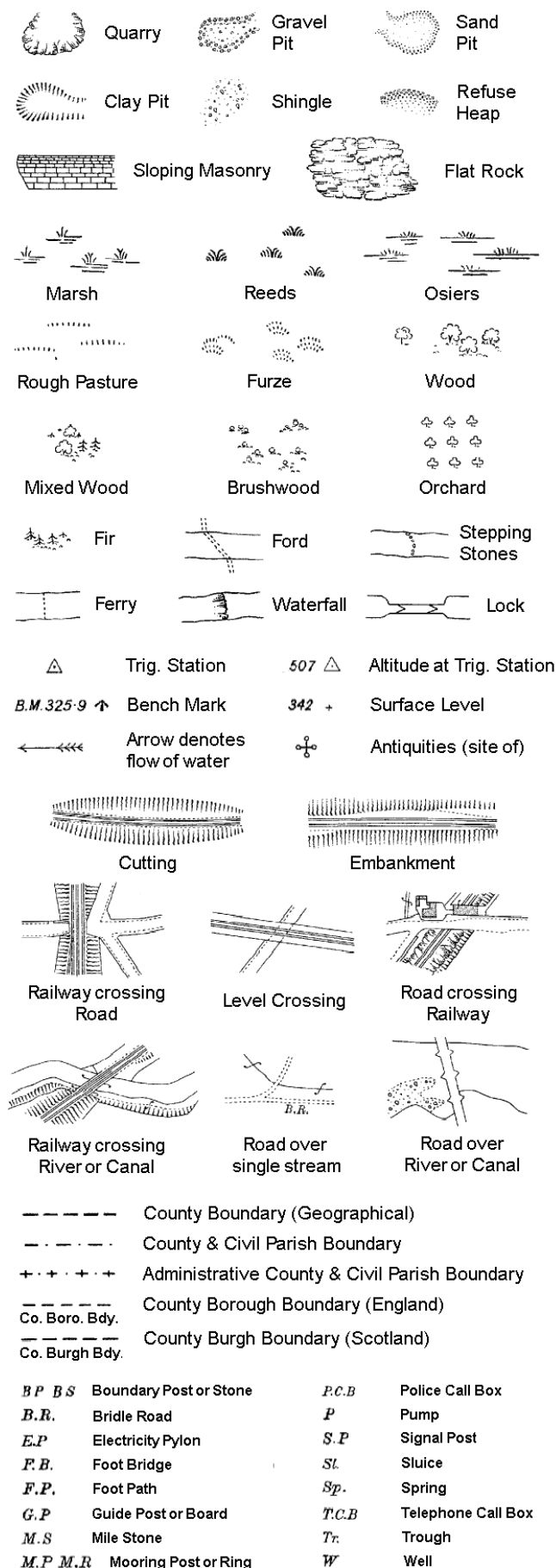
St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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Web: www.envirocheck.co.uk

Historical Mapping Legends

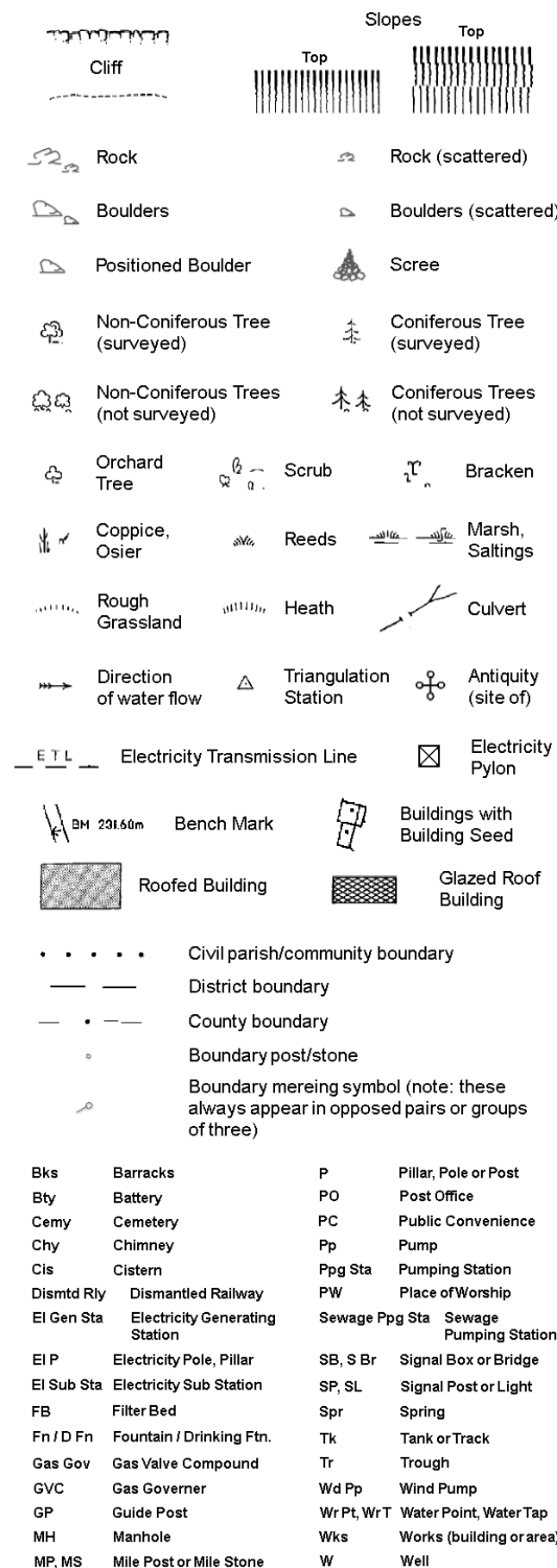
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



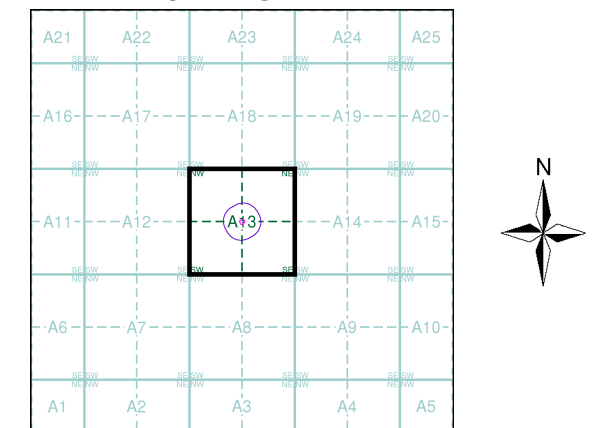
Large-Scale National Grid Data 1:2,500 and 1:1,250



Geo-Environmental Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1879 - 1881	2
Hampshire & Isle Of Wight	1:2,500	1897	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	1953 - 1965	6
Ordnance Survey Plan	1:2,500	1961 - 1977	7
Ordnance Survey Plan	1:2,500	1966	8
Additional SIMs	1:2,500	1972 - 1989	9
Ordnance Survey Plan	1:1,250	1973 - 1974	10
Additional SIMs	1:1,250	1977 - 1989	11
Additional SIMs	1:1,250	1984 - 1990	12
Ordnance Survey Plan	1:1,250	1987 - 1989	13
Additional SIMs	1:1,250	1987	14
Additional SIMs	1:2,500	1990	15
Large-Scale National Grid Data	1:1,250	1993	16

Historical Map - Segment A13



Order Details

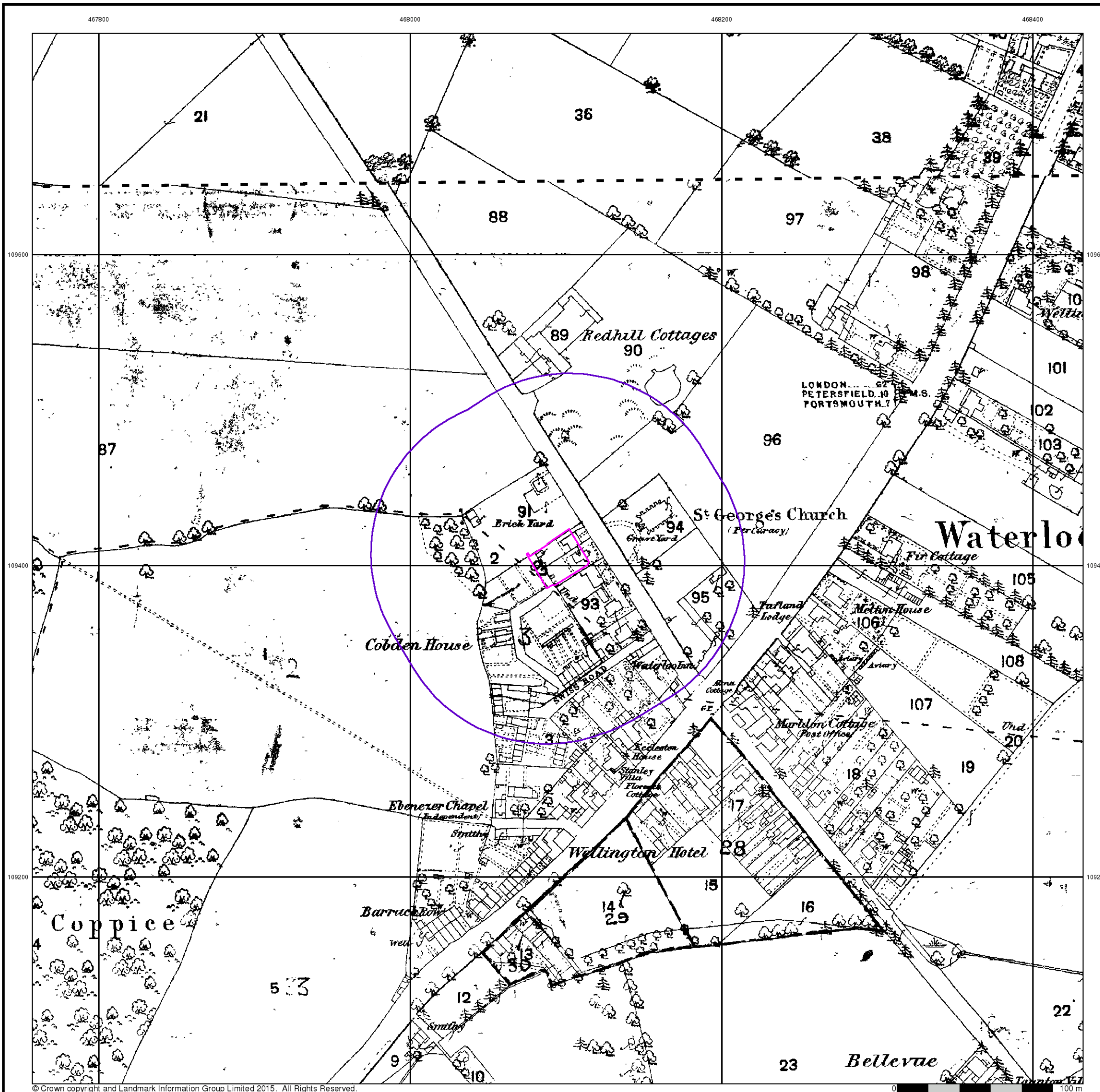
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

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Geo-Environmental Hampshire & Isle Of Wight

Published 1879 - 1881

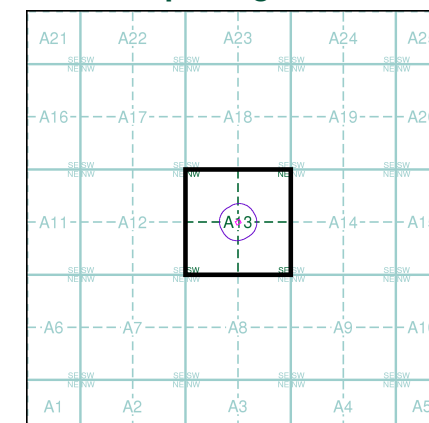
Source map scale - 1:2,500

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)

068_13
1881
1:2,500
076_01
1879
1:2,500

Historical Map - Segment A13



Order Details

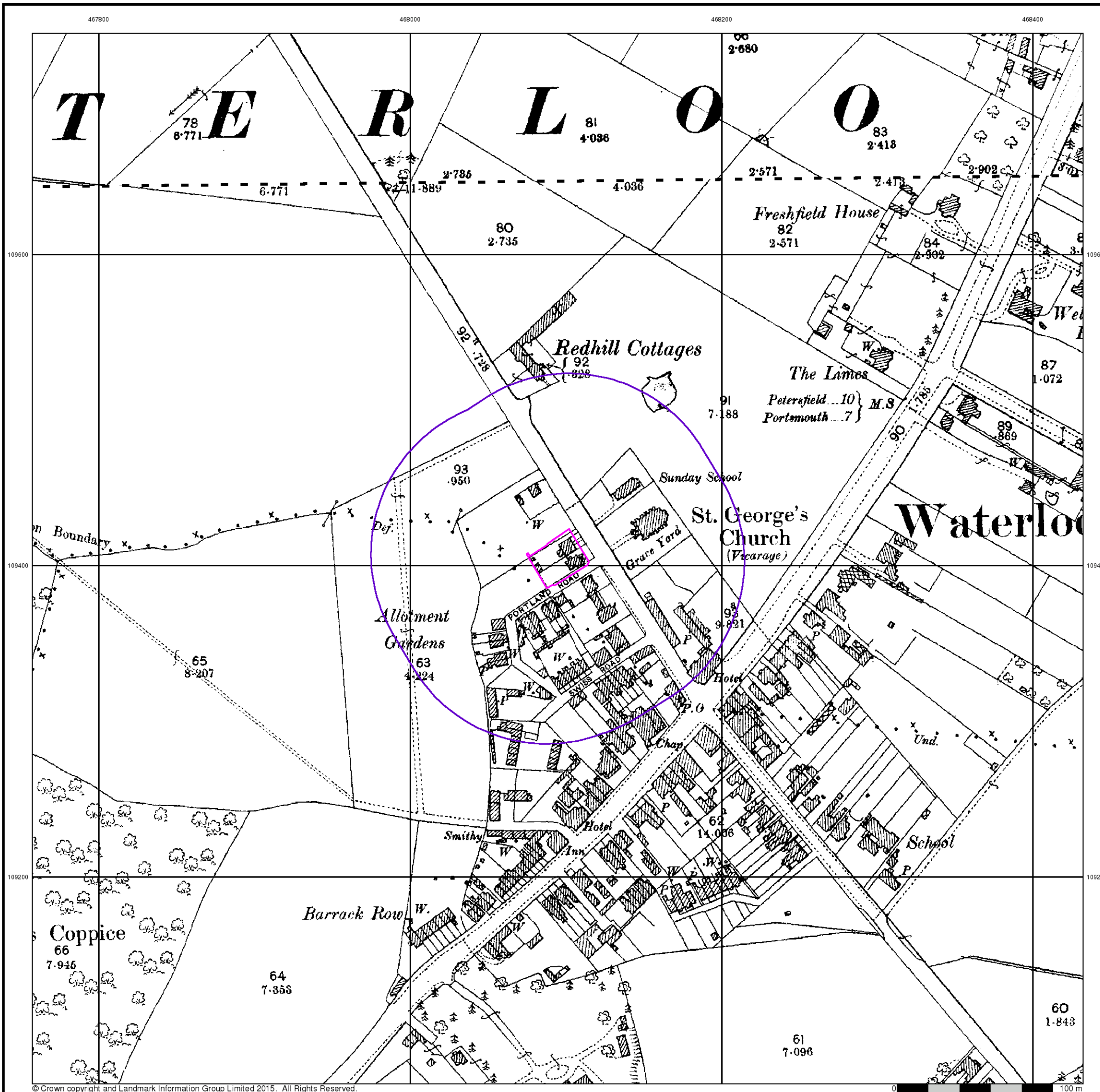
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

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Geo-Environmental Hampshire & Isle Of Wight

Published 1897

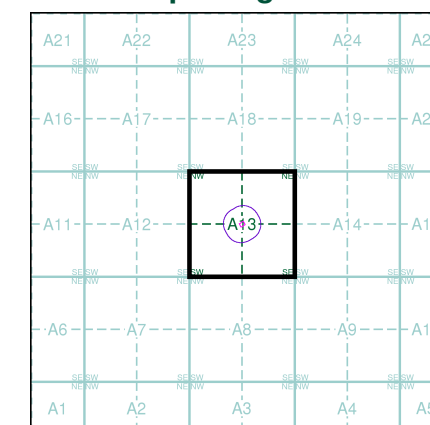
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

068_13
1897
1:2,500
076_01
1897
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

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Geo-Environmental Hampshire & Isle Of Wight

Published 1909

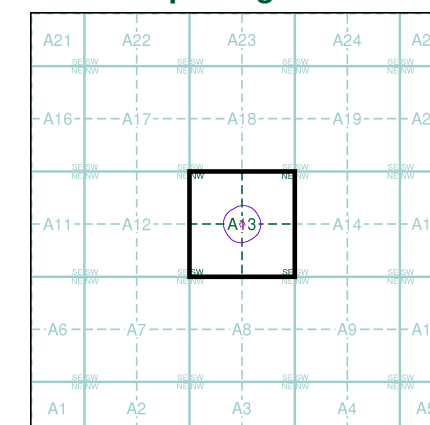
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

068_13 1909 1:2,500
076_01 1909 1:2,500

Historical Map - Segment A13



Order Details

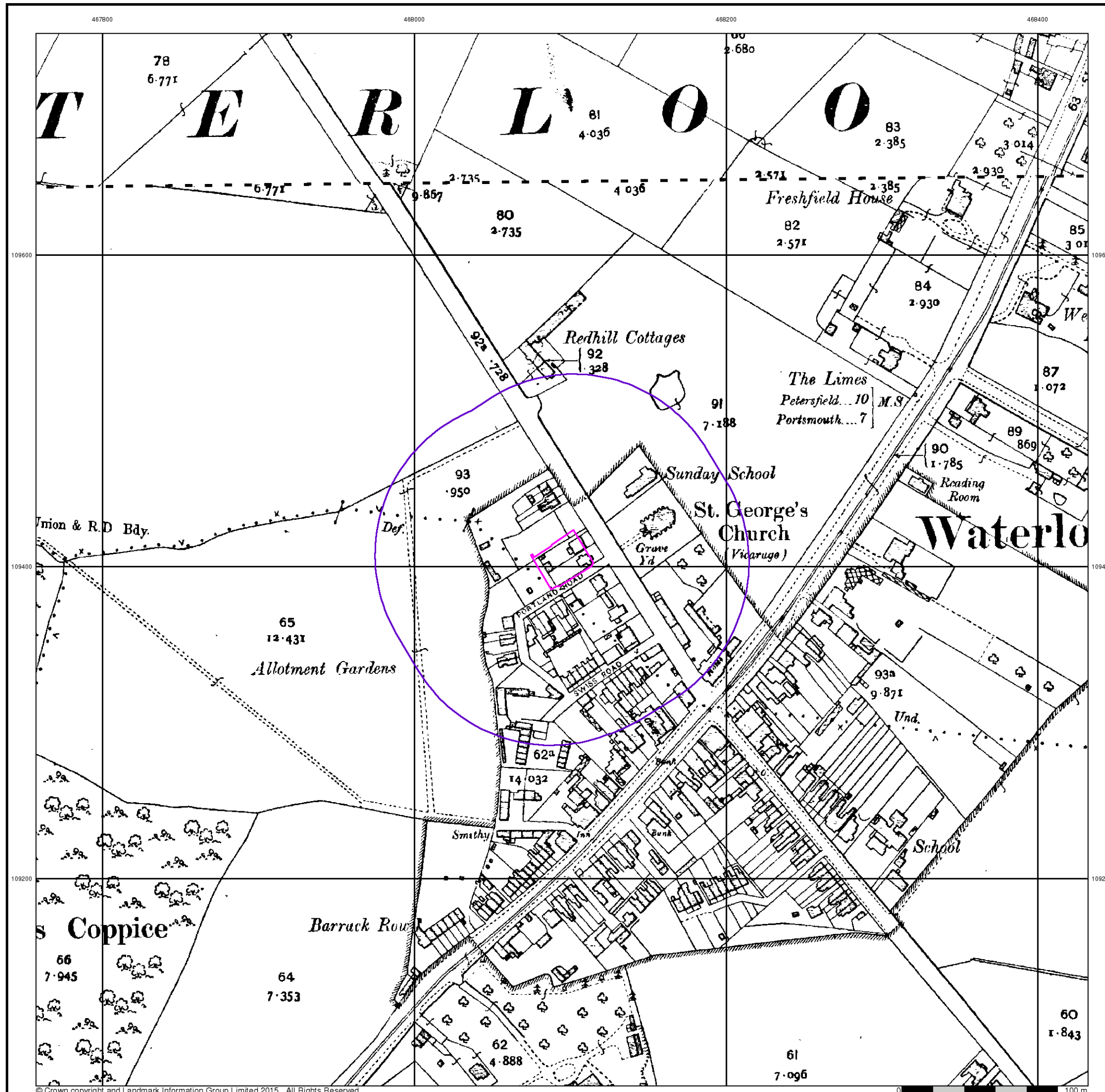
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

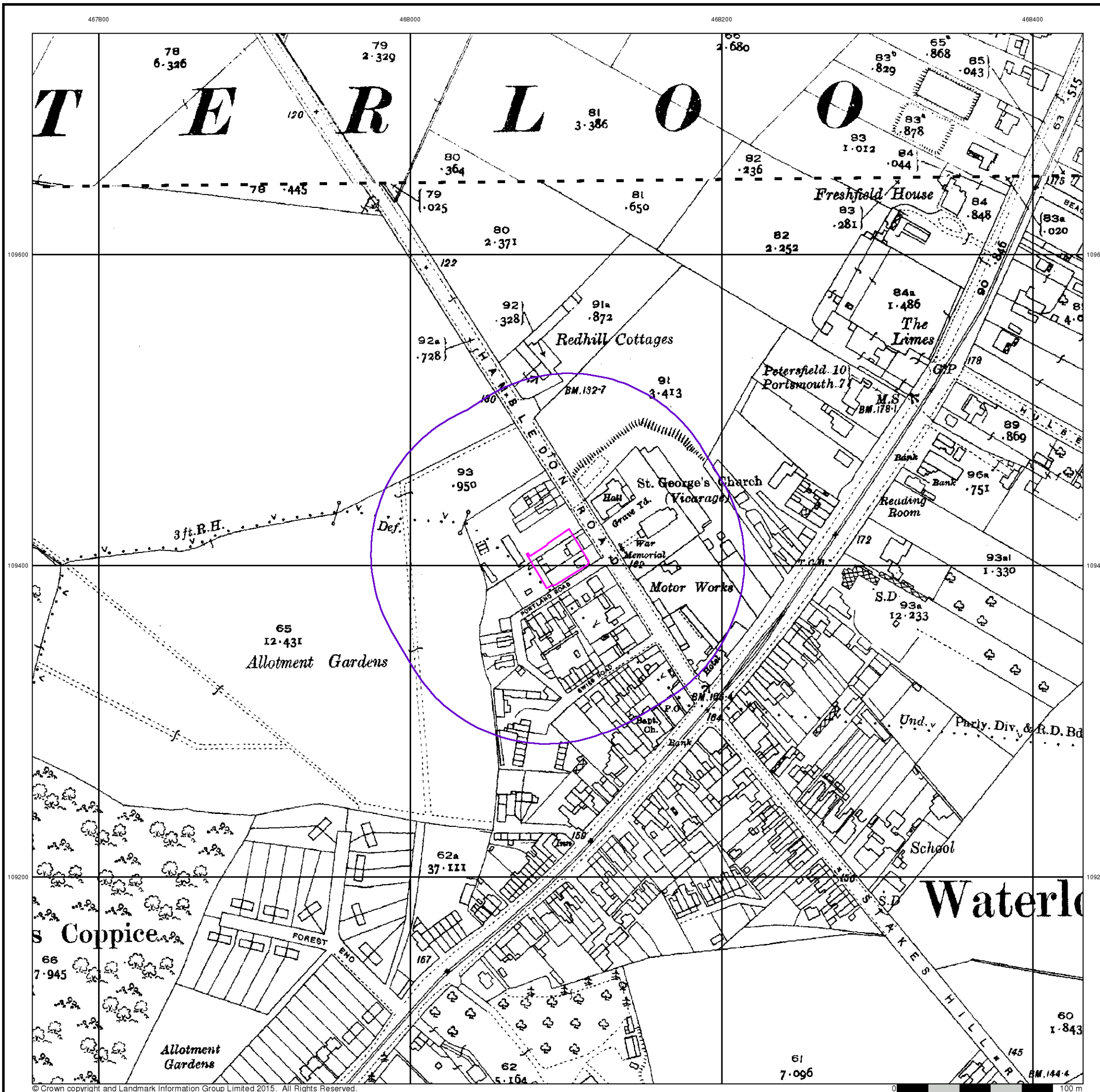
Site Details

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Geo-Environmental Hampshire & Isle Of Wight

Published 1932

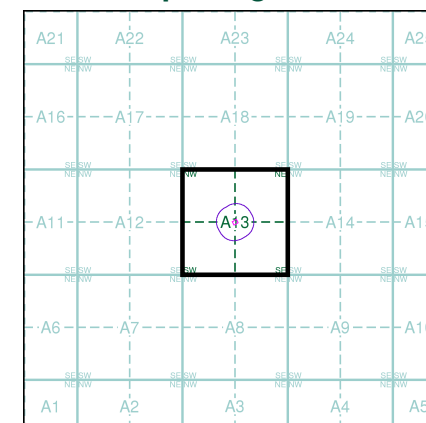
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

068_13
1932
1:2,500
076_01
1932
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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



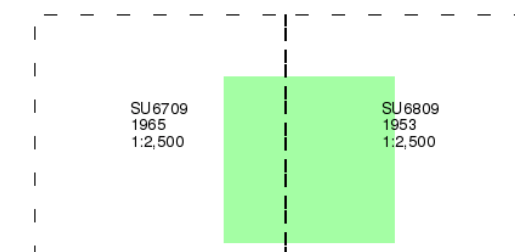
Geo-Environmental Ordnance Survey Plan

Published 1953 - 1965

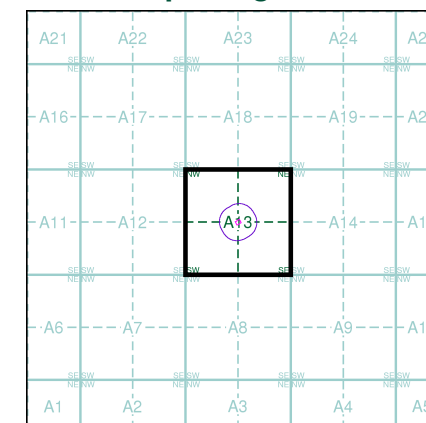
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

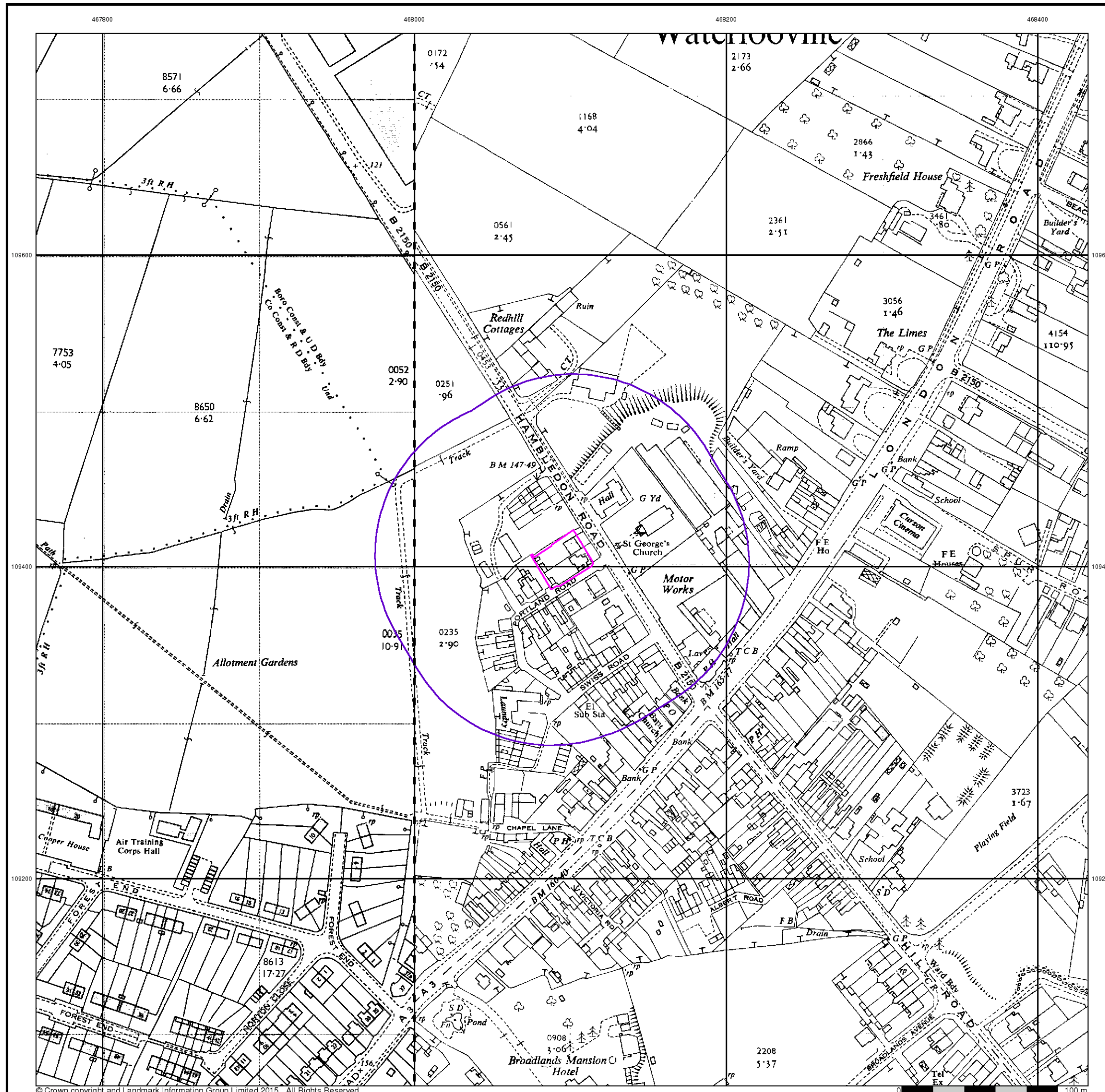
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

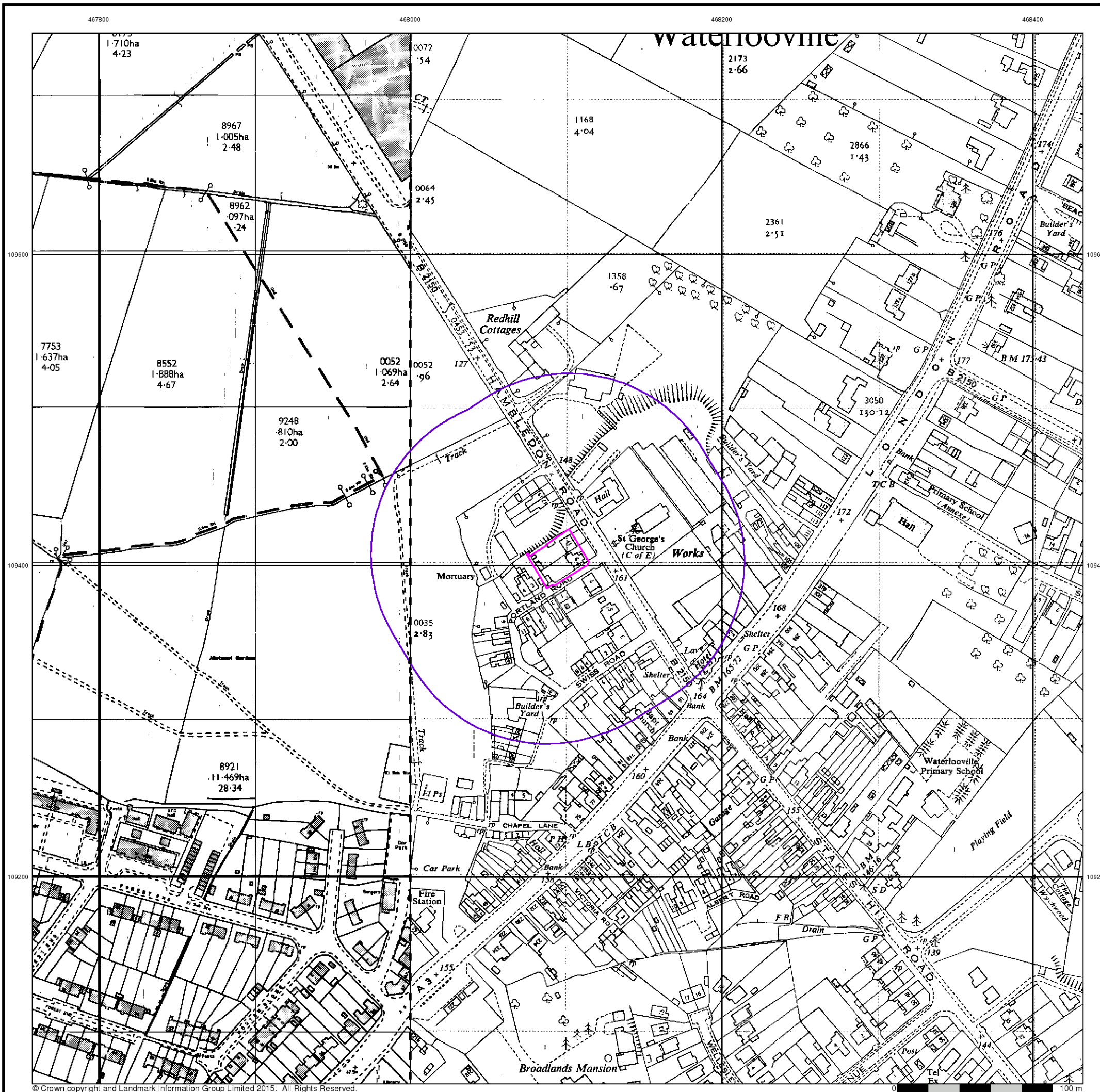
Site Details

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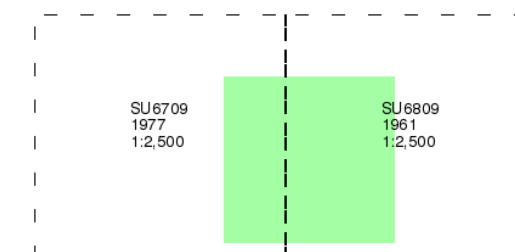
Geo-Environmental Ordnance Survey Plan

Published 1961 - 1977

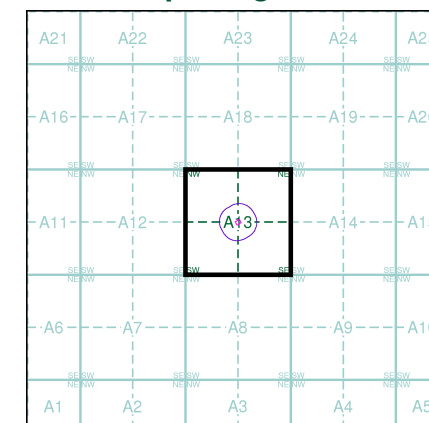
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

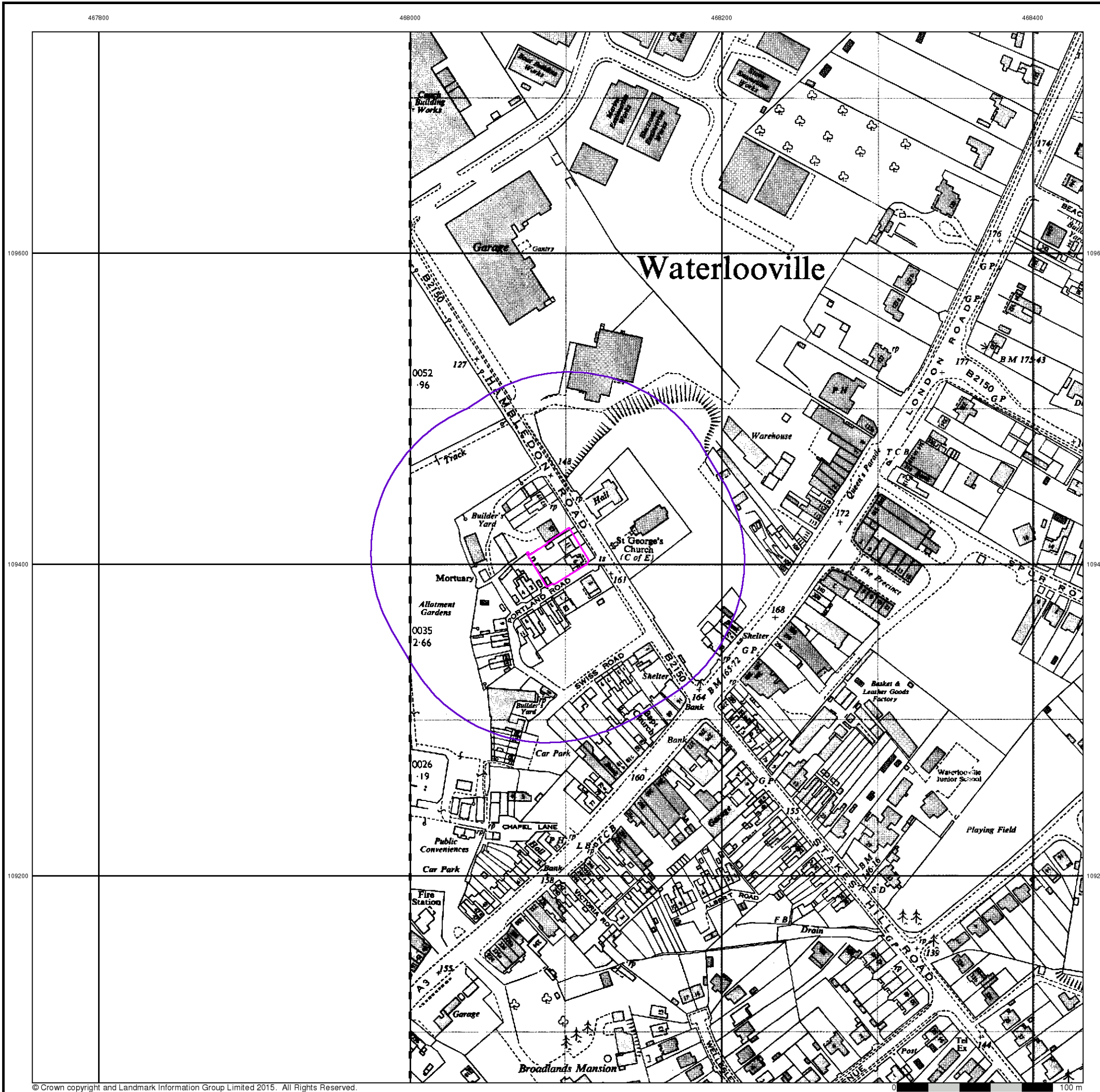
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



Tel: 0844 844 9952
Fax: 0844 844 9951
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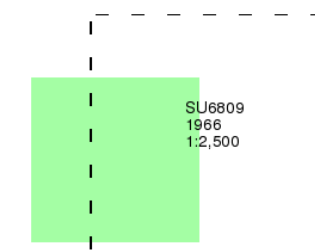
Geo-Environmental Ordnance Survey Plan

Published 1966

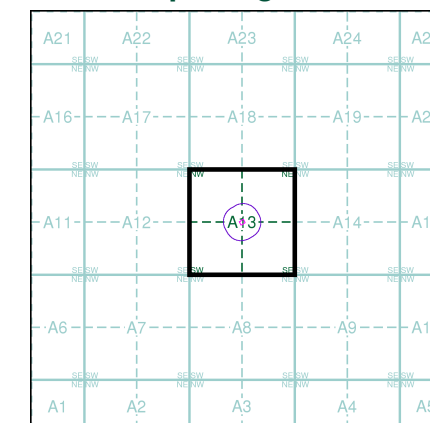
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU

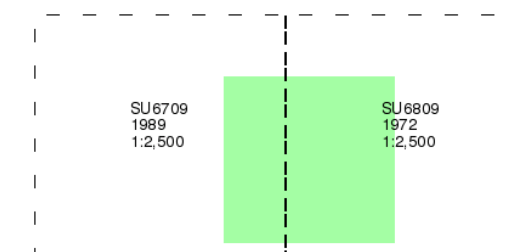


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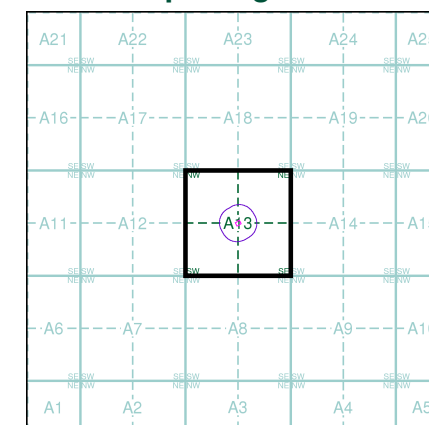


The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



Historical Map - Segment A13



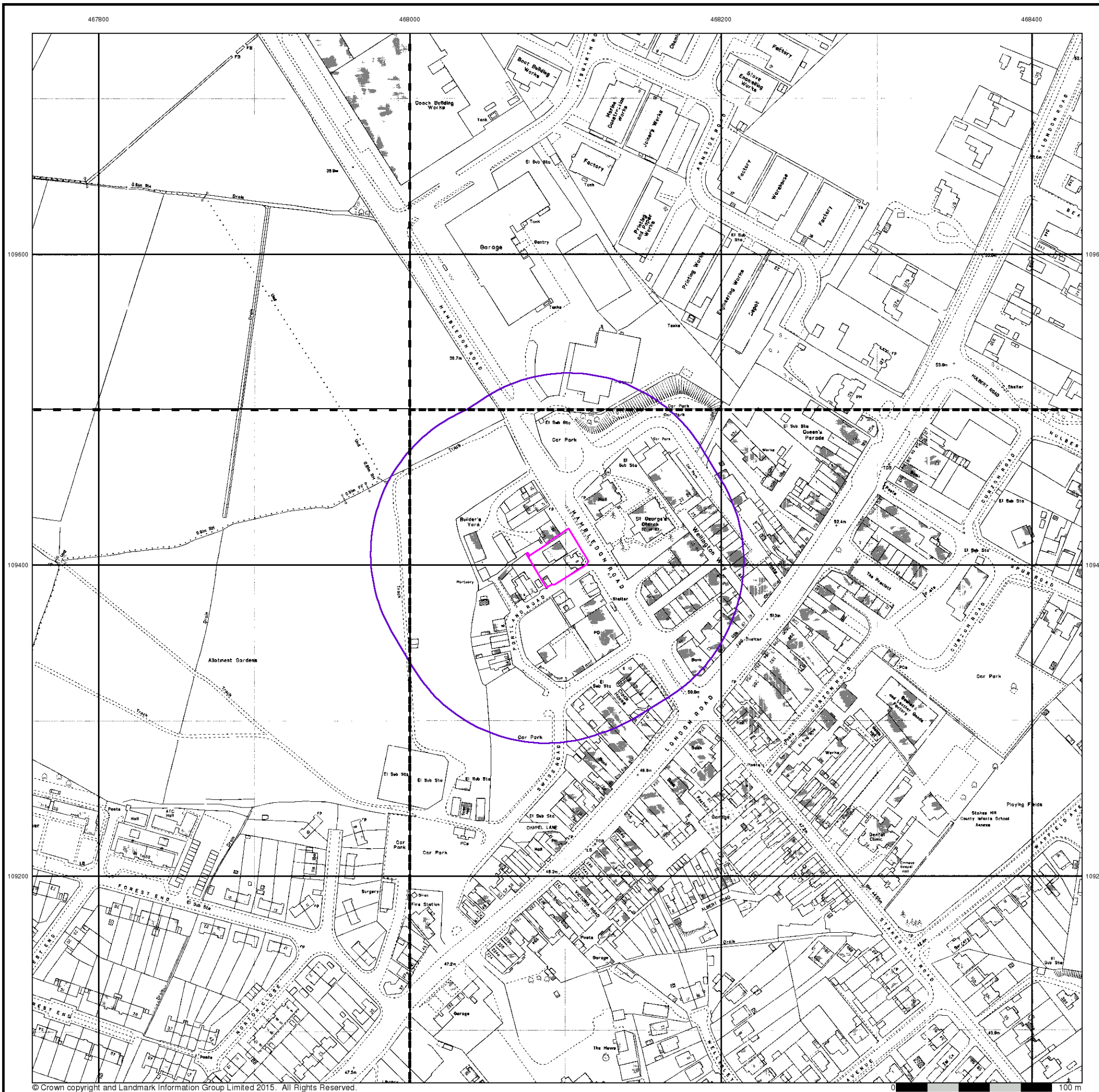
Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU





Geo-Environmental Ordnance Survey Plan

Published 1973 - 1974

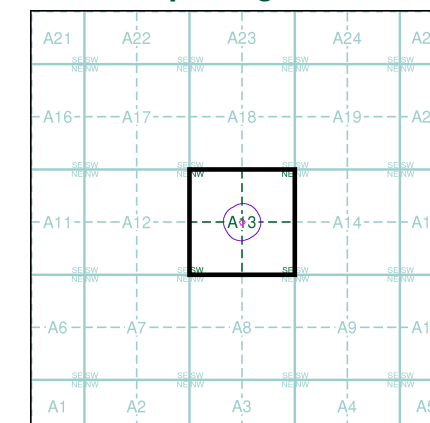
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU6709NE 1973 1:1,250	SU6809NW 1973 1:1,250
SU6709SE 1973 1:1,250	SU6809SW 1974 1:1,250

Historical Map - Segment A13



Order Details

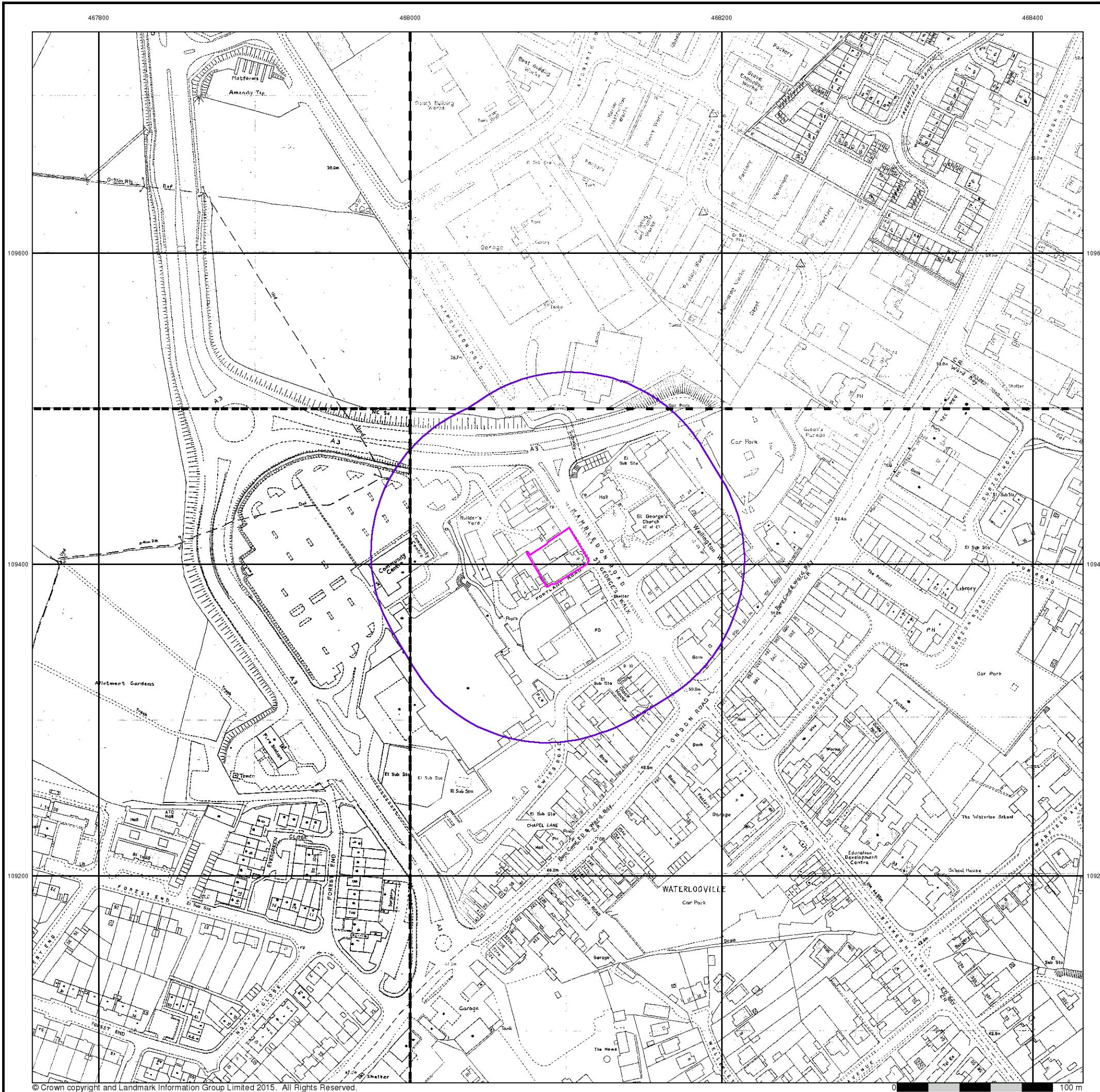
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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Geo-Environmental Additional SIMs

Published 1977 - 1989

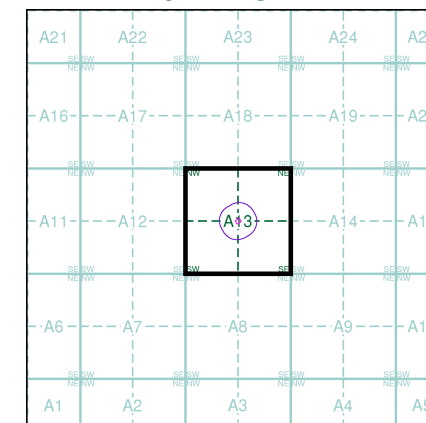
Source map scale - 1:1,250

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)

SU6709NE 1982 1:1,250	SU6809NW 1977 1:1,250
SU6709SE 1989 1:1,250	SU6809SW 1984 1:1,250

Historical Map - Segment A13



Order Details

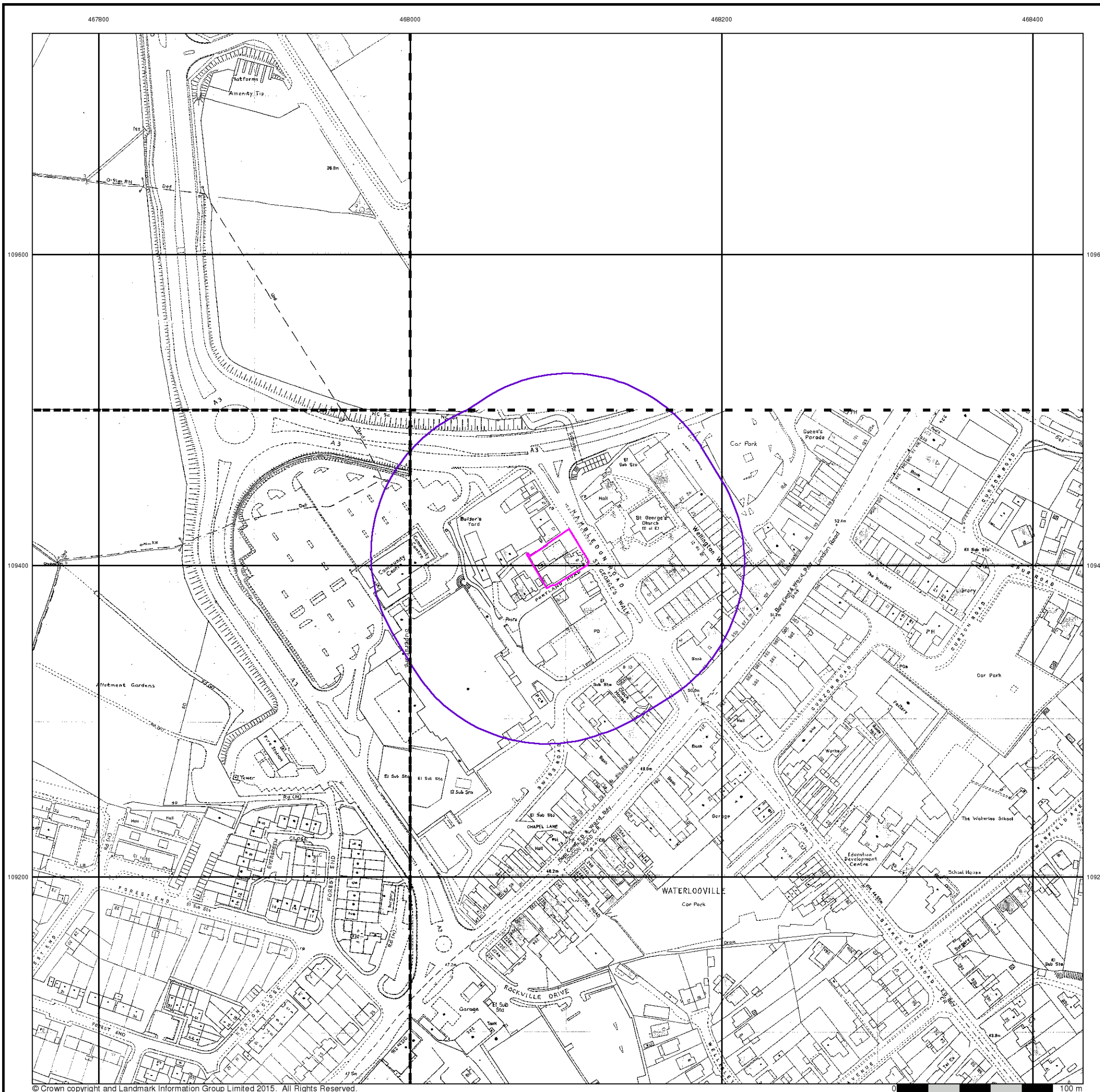
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

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0 100 m



Geo-Environmental Additional SIMs

Published 1984 - 1990

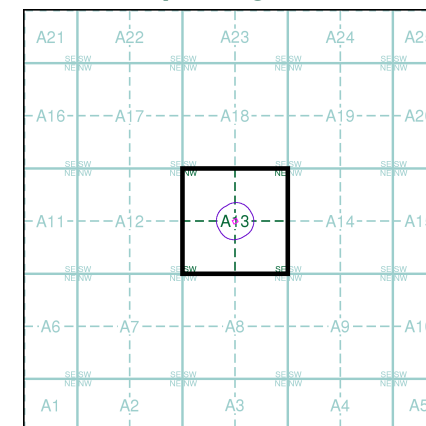
Source map scale - 1:1,250

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)

SU6709NE 1984 1:1,250	
SU6709SE 1990 1:1,250	SU6809SW 1989 1:1,250

Historical Map - Segment A13



Order Details

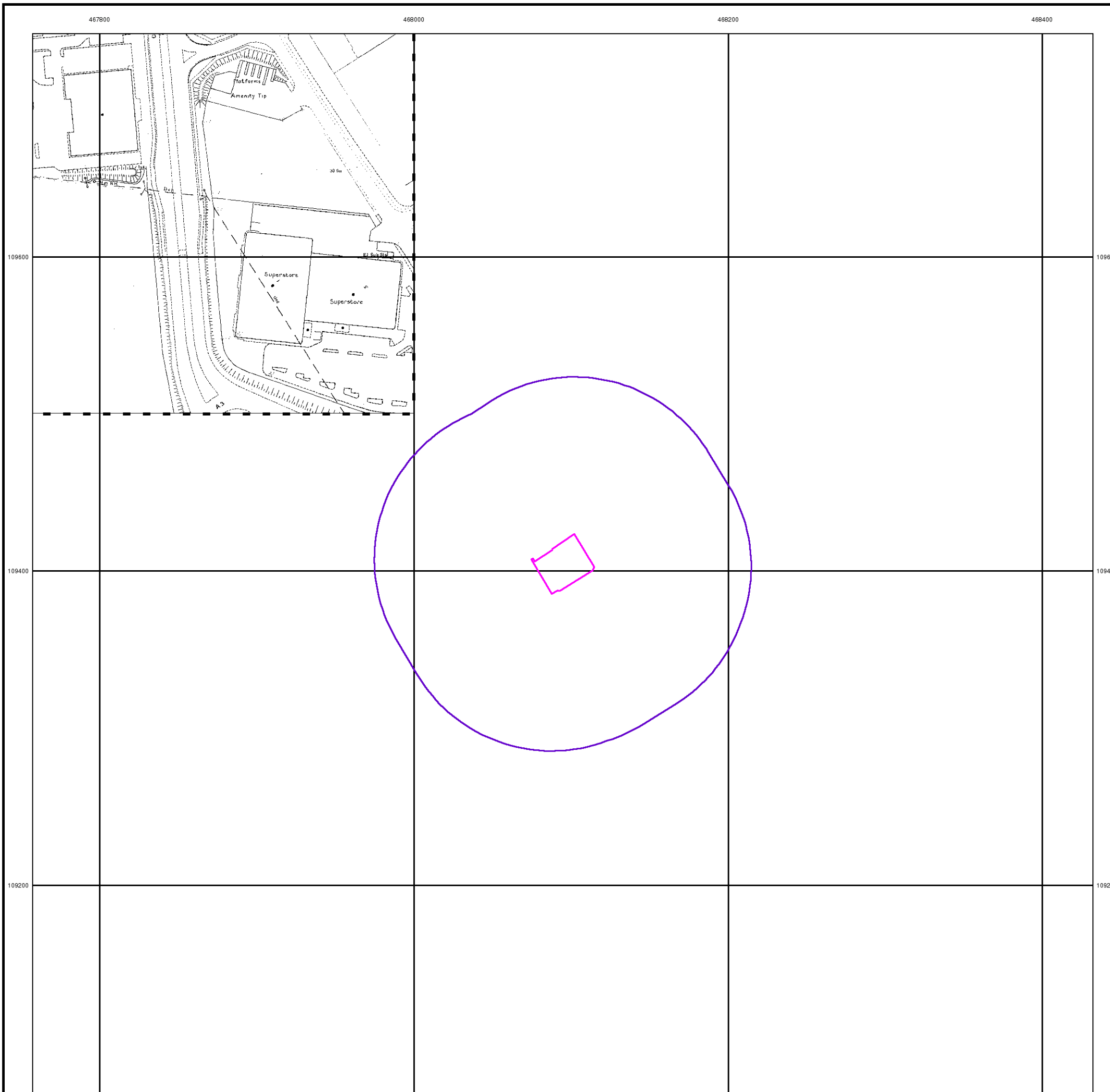
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
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0 100 m



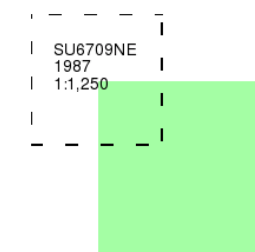
Geo-Environmental Additional SIMs

Published 1987

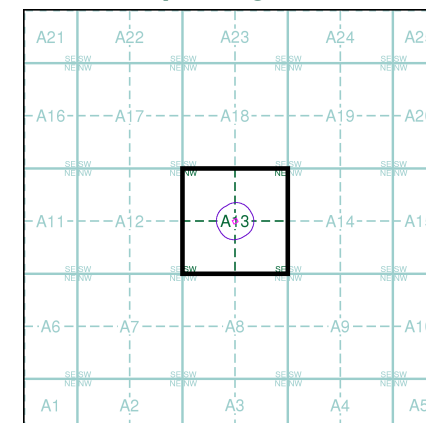
Source map scale - 1:1,250

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



Order Details

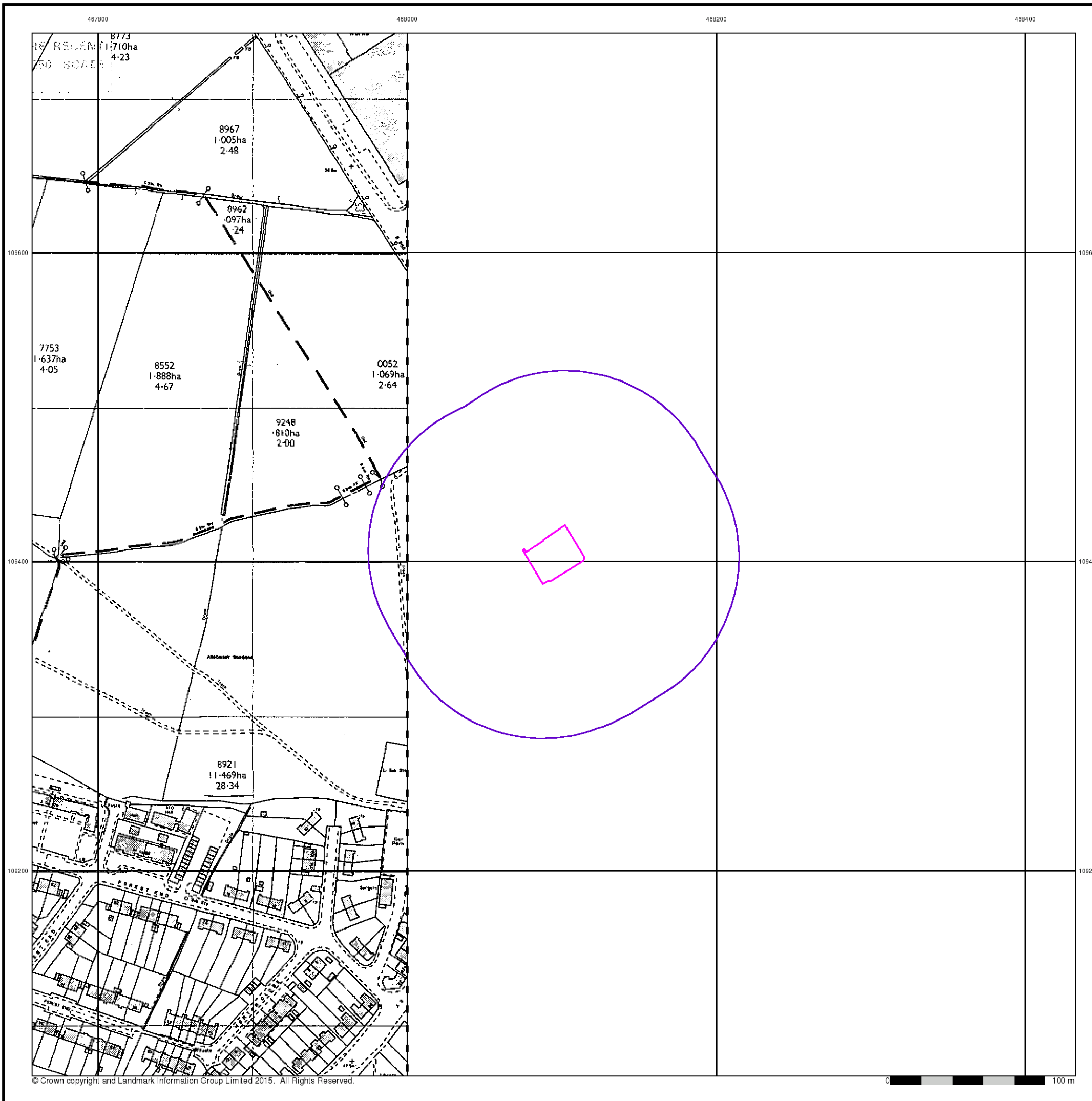
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
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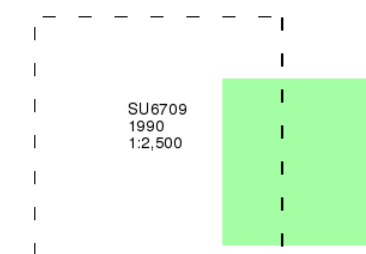
Geo-Environmental Additional SIMs

Published 1990

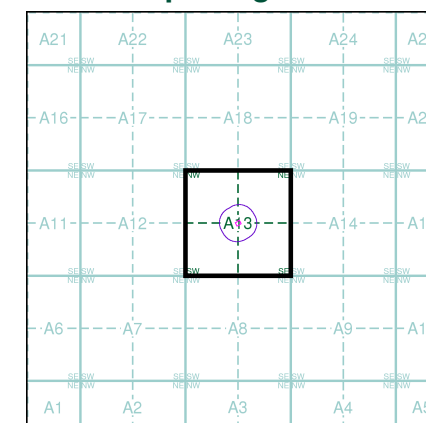
Source map scale - 1:2,500

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



Order Details

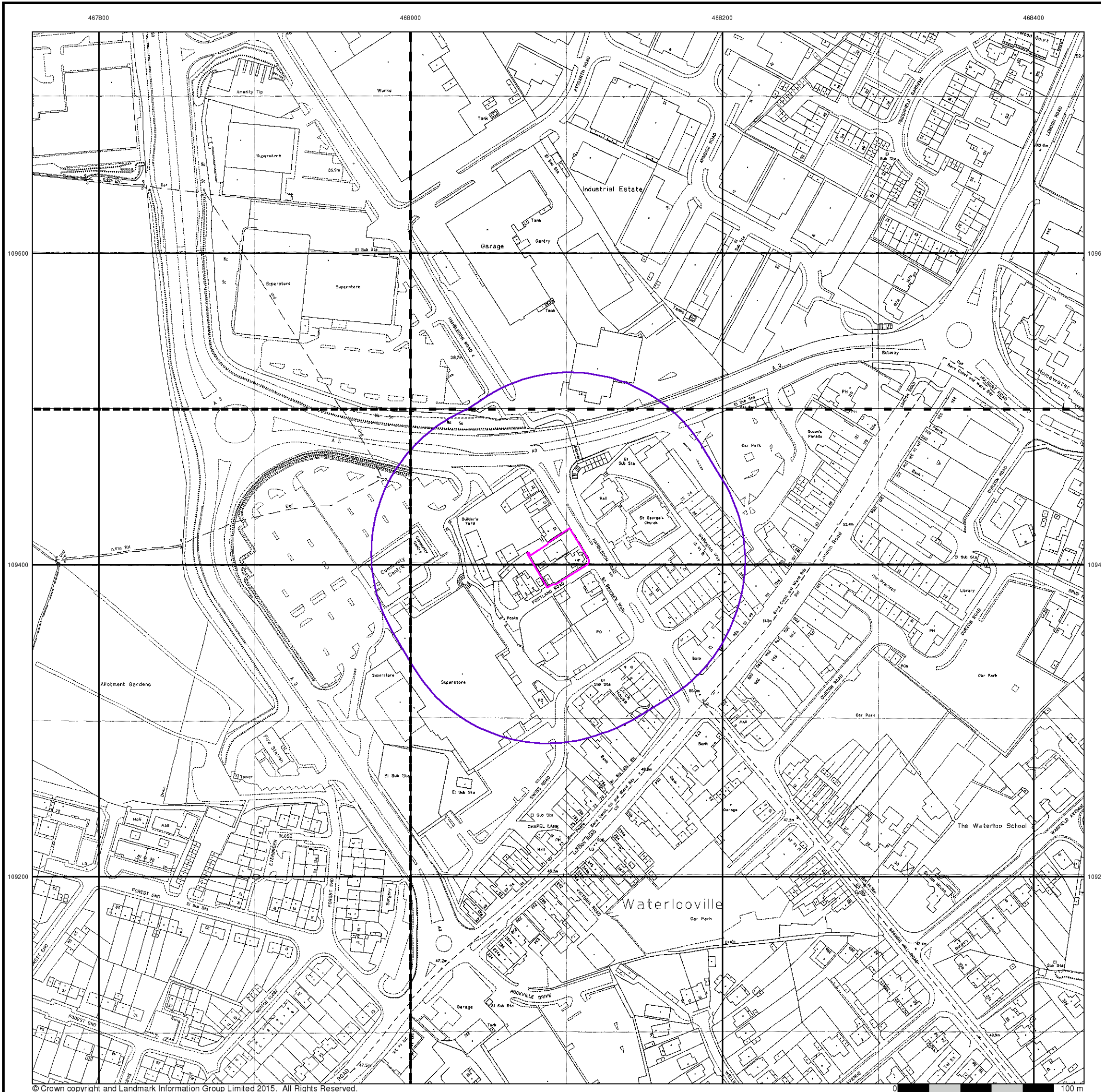
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Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

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Geo-Environmental Large-Scale National Grid Data

Published 1993

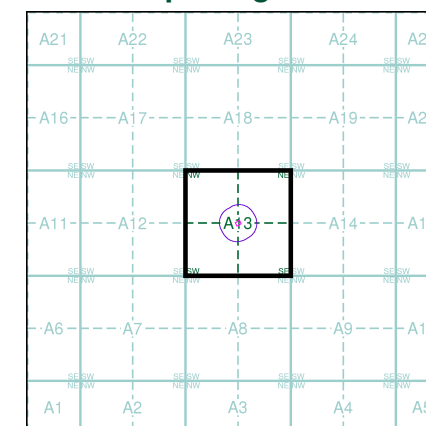
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU8709NE 1993 1:1,250	SU8809NW 1993 1:1,250
SU8709SE 1993 1:1,250	SU8809SW 1993 1:1,250

Historical Map - Segment A13



Order Details

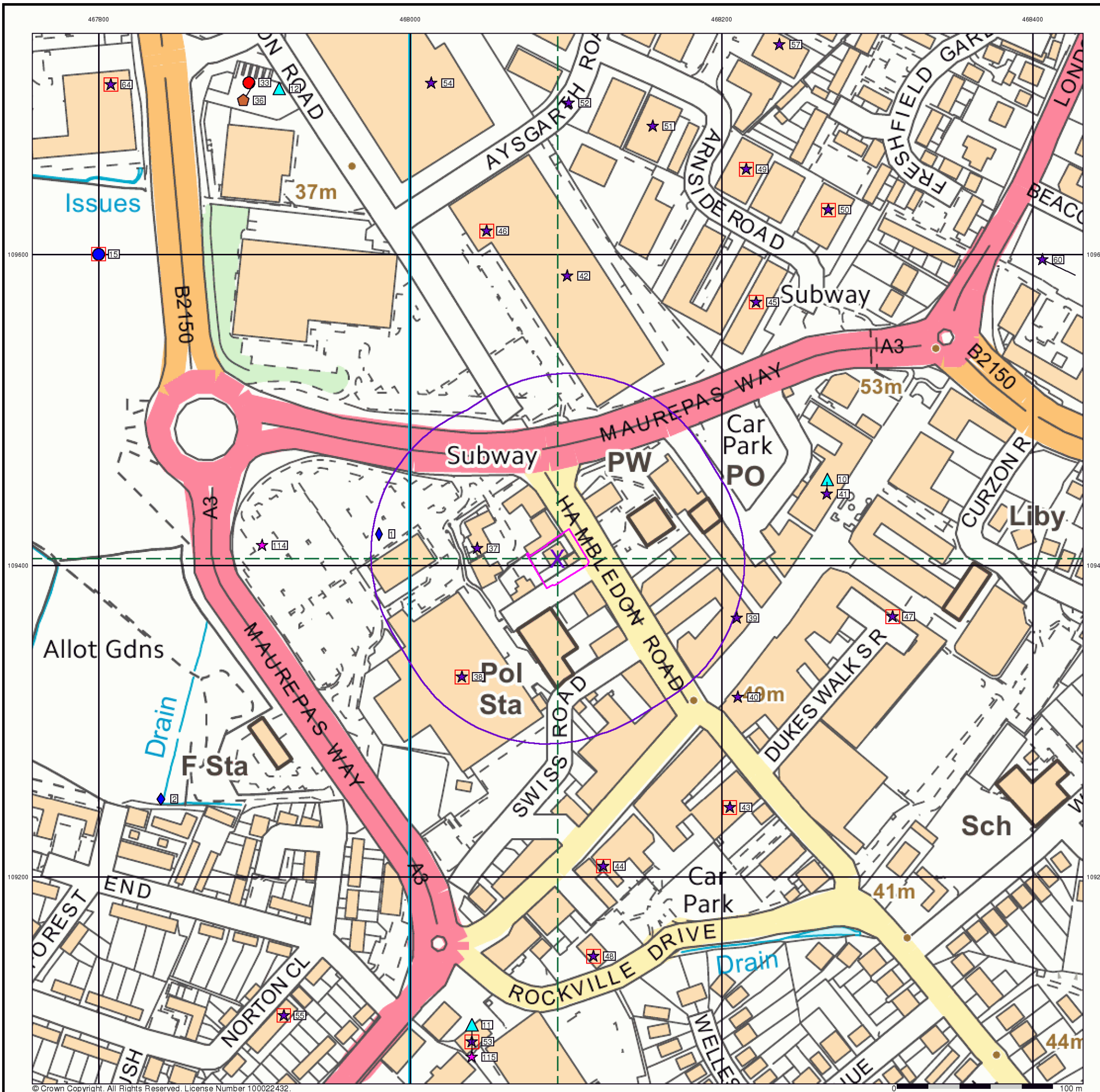
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 100

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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Geo-Environmental

General

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

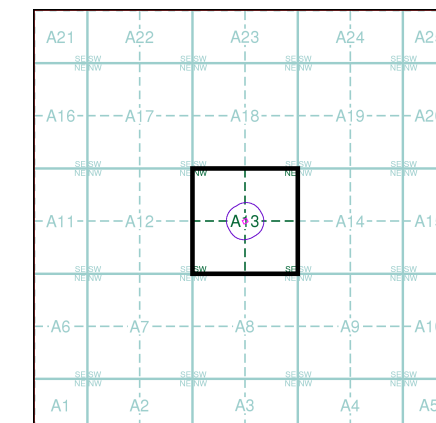
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A13



Order Details

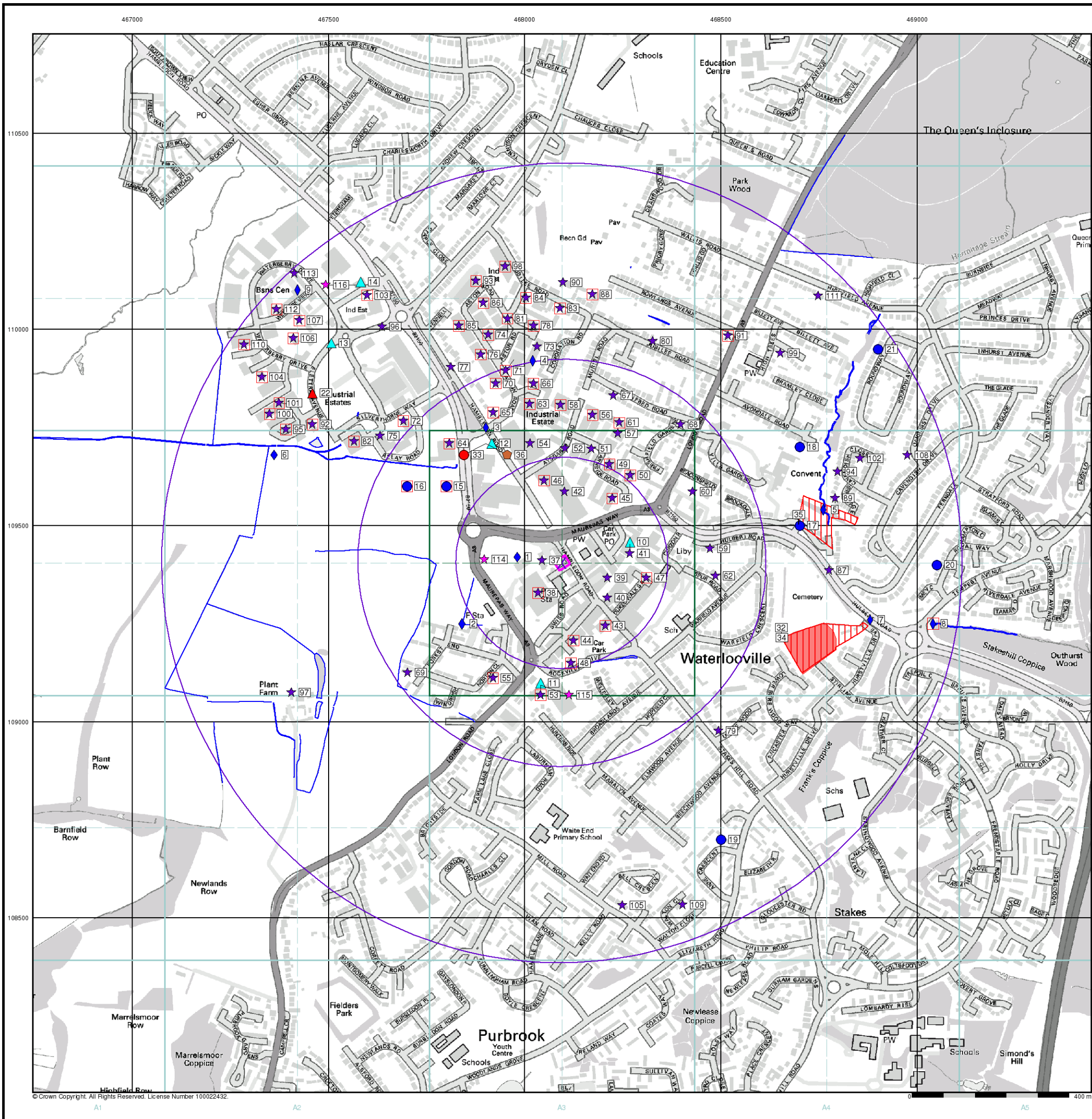
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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Geo-Environmental

General

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

Agency and Hydrological

- 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
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Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
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- Integrated Pollution Control Registered Waste Site
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- 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

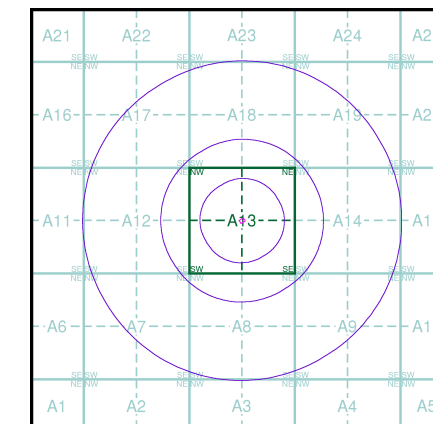
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



Tel: 0844 844 9952
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Geo-Environmental

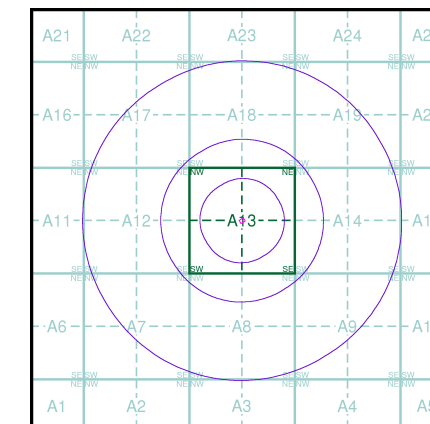
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

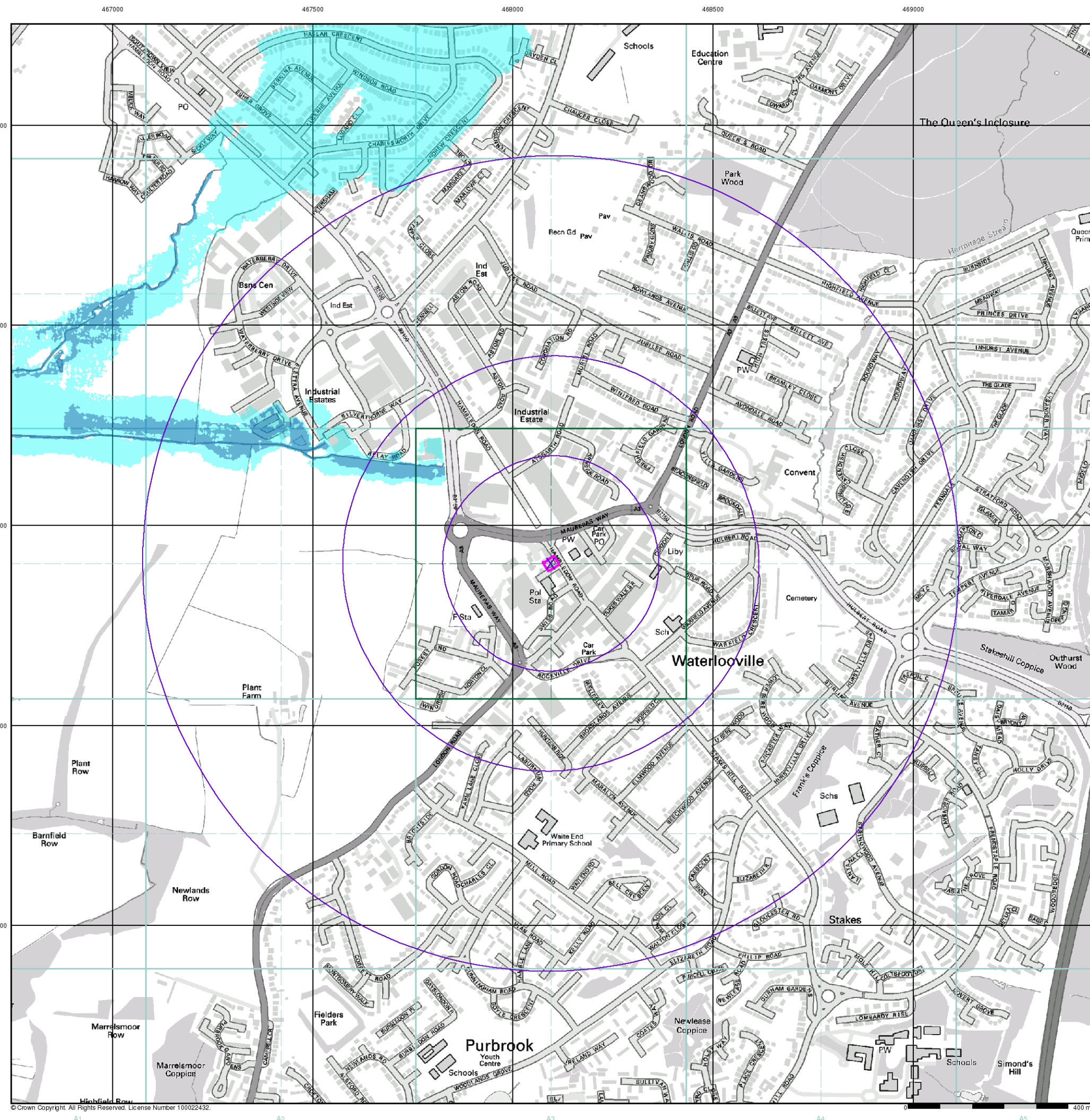
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Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

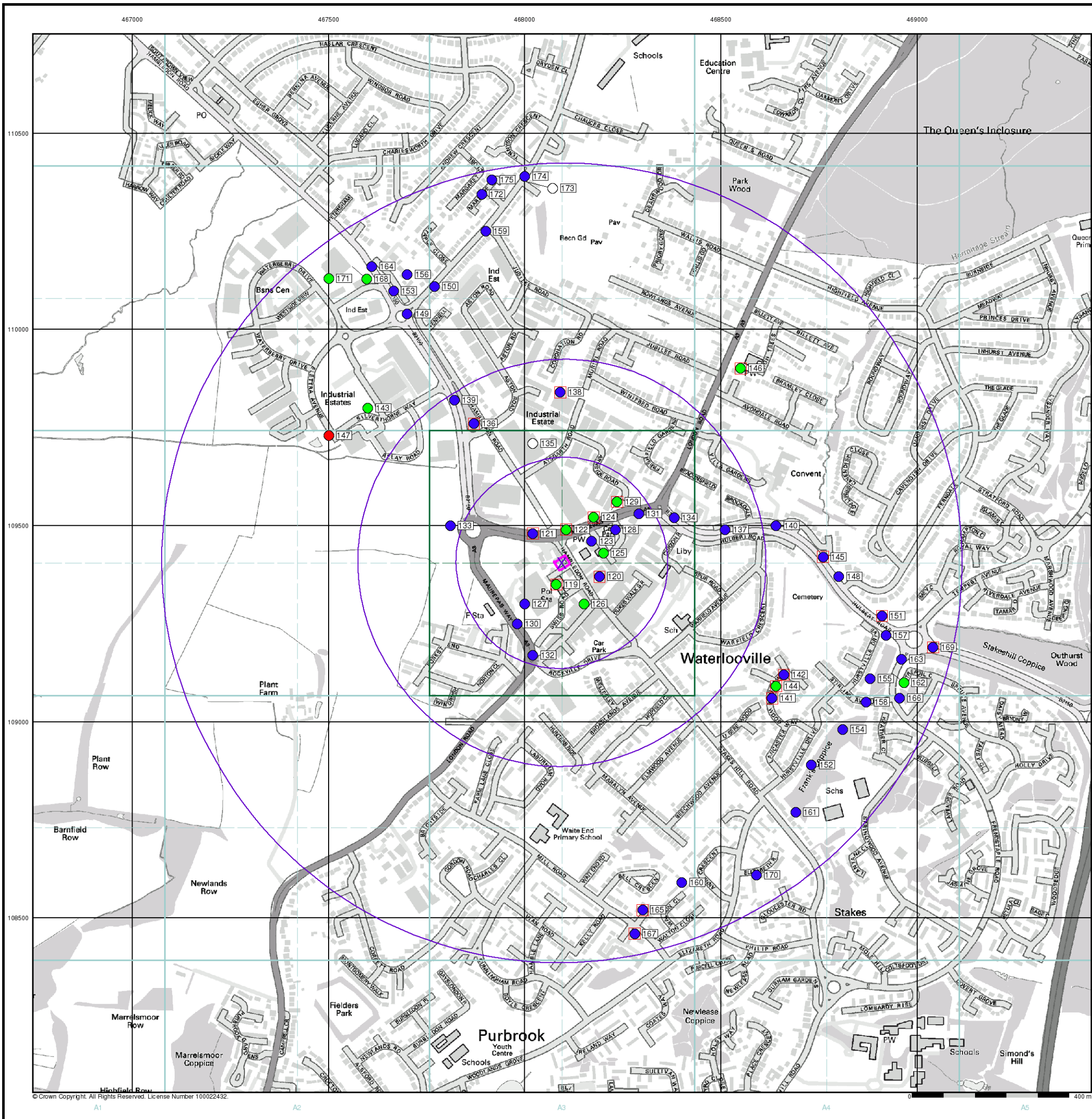
Site Details

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Geo-Environmental

General

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

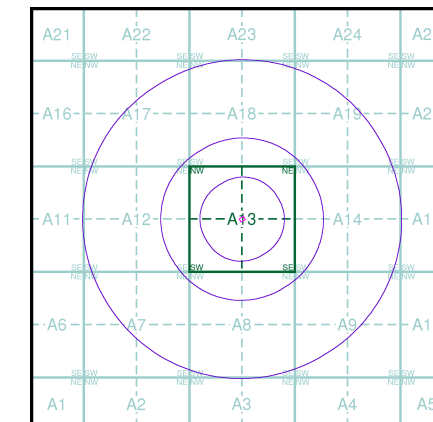
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

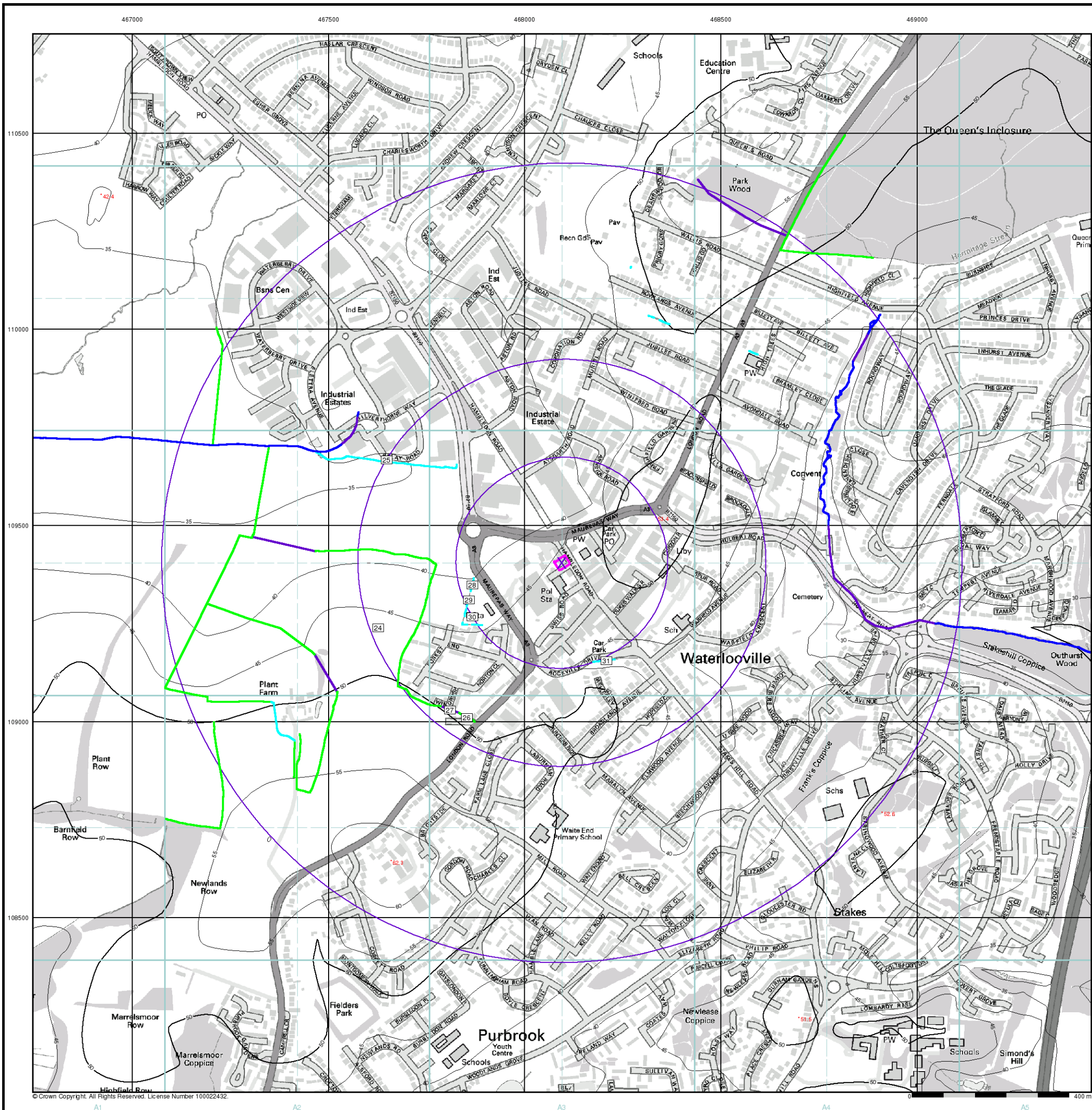
Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Geo-Environmental

General

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

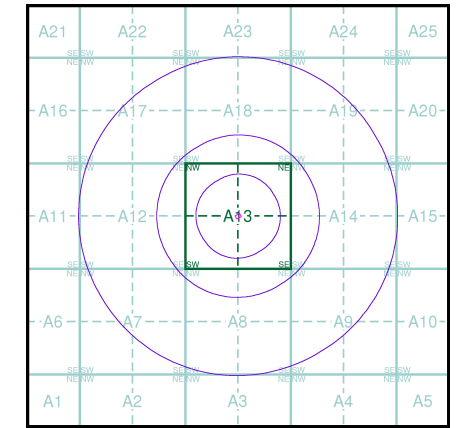
Detailed River Network Data

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

Contours (height in metres)

- Standard Contour
- Master Contour
- Spot Height
- MLW - Mean Low Water
- MHW - Mean High Water

EAN/RW Detailed River Network Map - Slice A



Order Details

Order Number: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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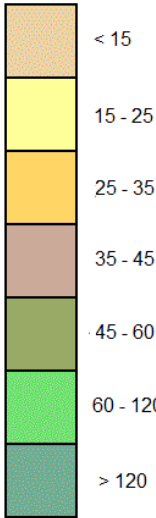
Geo-Environmental

General

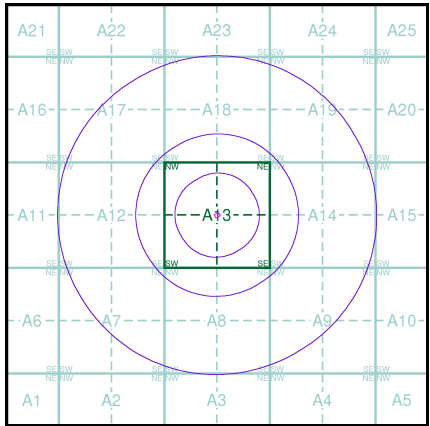
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
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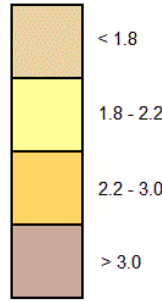
Geo-Environmental

General

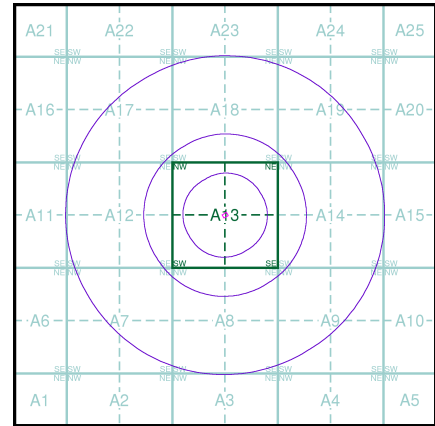
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

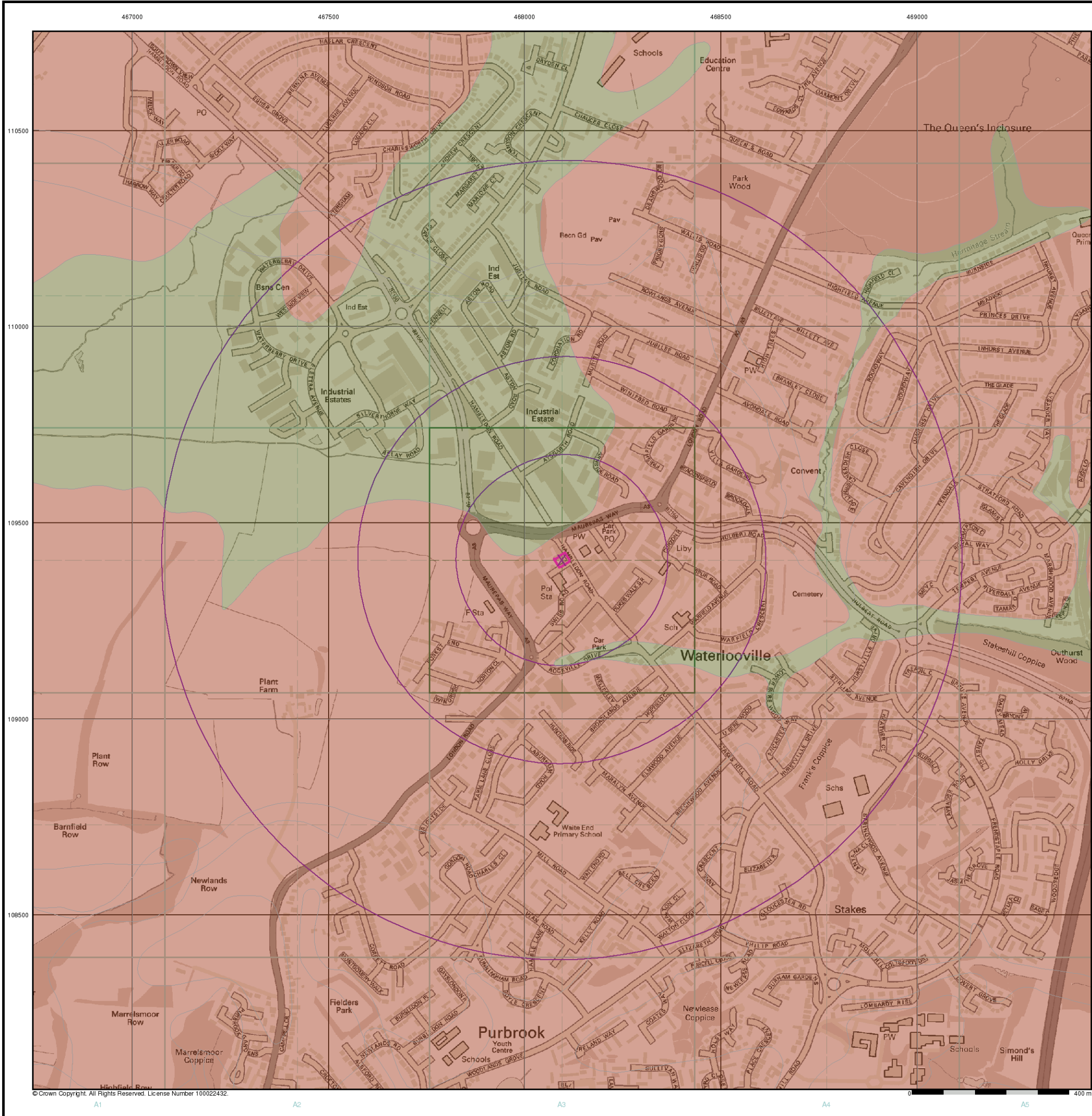
Order Details: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
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Web: www.envirocheck.co.uk



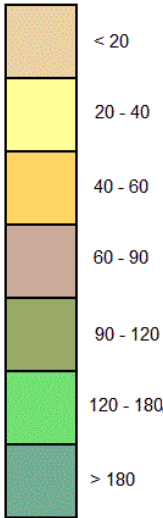
Geo-Environmental

General

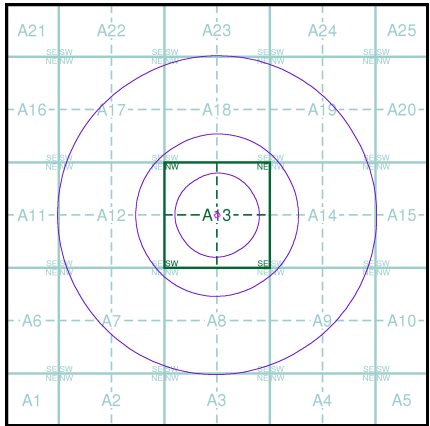
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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



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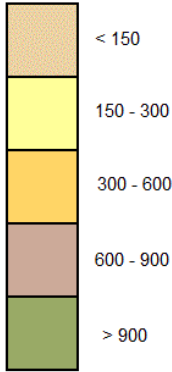
Geo-Environmental

General

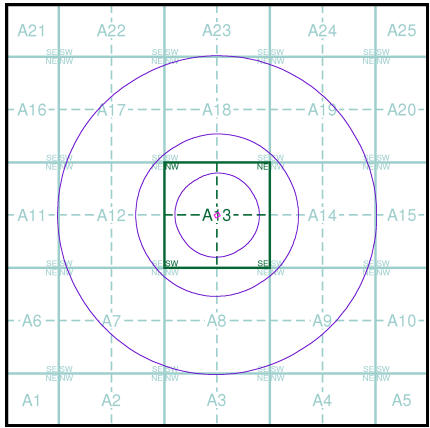
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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



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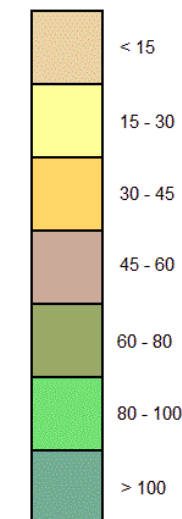
Geo-Environmental

General

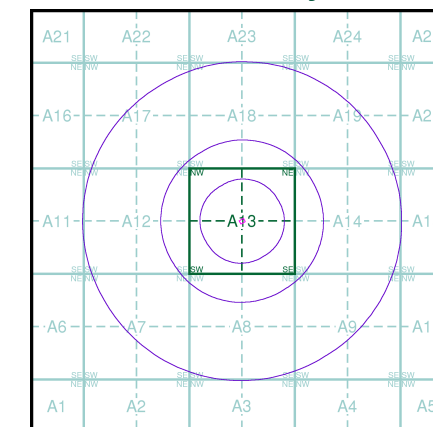
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

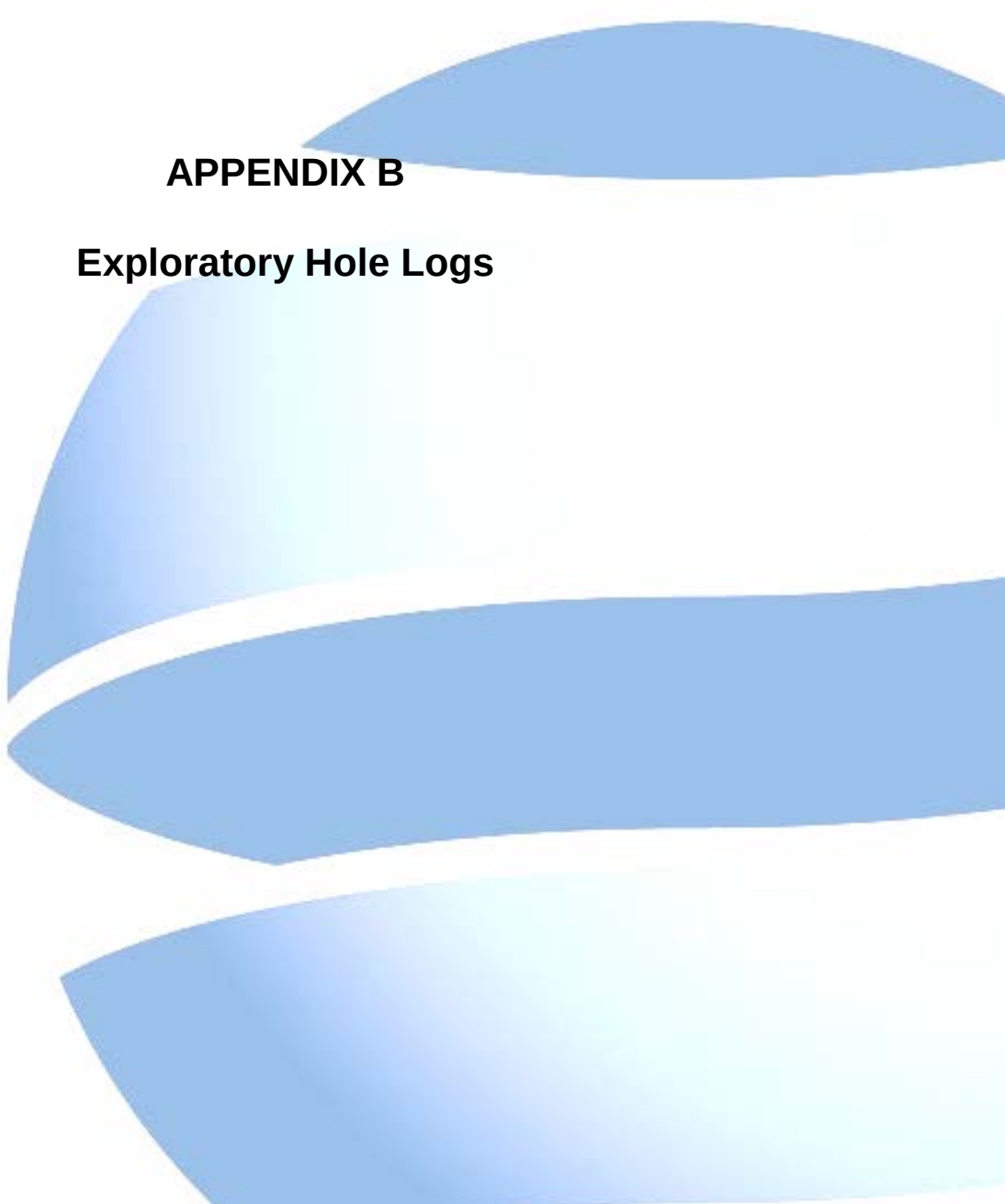
Order Details: 66670439_1_1
Customer Ref: GE10739
National Grid Reference: 468090, 109400
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

St. Georges Walk, WATERLOOVILLE, Hampshire, PO7 7TU



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

A decorative graphic consisting of three horizontal, wavy blue bands of varying shades (light blue, medium blue, and dark blue) that curve and overlap, creating a sense of movement and depth.

APPENDIX B

Exploratory Hole Logs



Geo-Environmental

Probe Log

Borehole No.

DP1

Sheet 1 of 1

Project Name: St Georges Walk

Project No.
GE10739

Co-ords: 468096.00 - 109398.00

Hole Type
DP

Location: Waterloooville

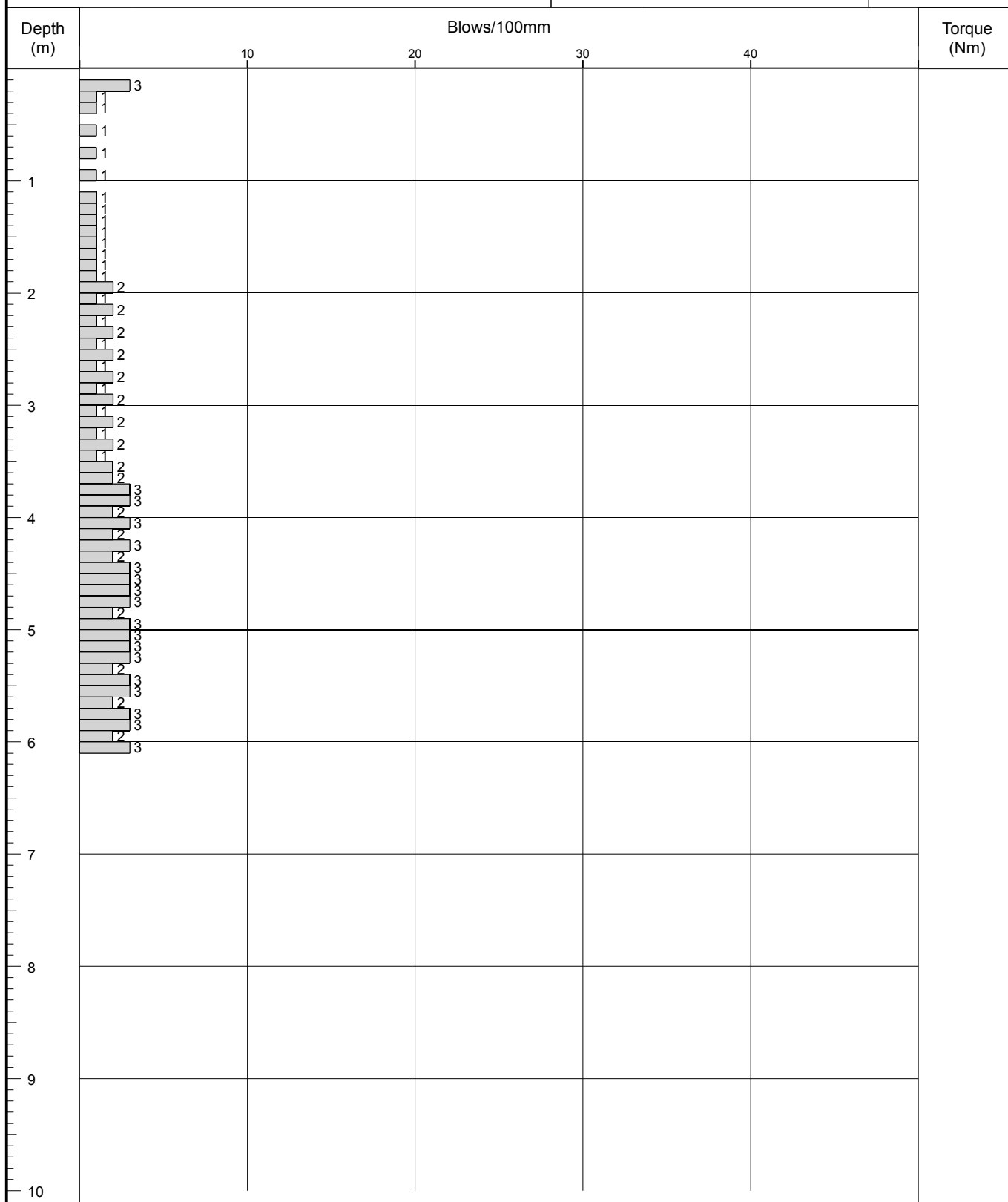
Level:

Scale
1:50

Client: Burton Property

Dates: 22/04/2015 - 22/04/2015

Logged By



Remarks

Fall Height

Cone Base Diameter

Hammer Wt

Final Depth 6.00

Probe Type

Log Scale 1:50



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS1 Sheet 1 of 1	
Project Name: St Georges Walk		Project No. GE10739		Co-ords: 468104E - 109416N		Hole Type WS	
Location: Waterlooille				Level:		Scale 1:25	
Client: Burton Property				Dates: 22/04/2015		Logged By CA	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			Tarmacadam.	
					0.20			MADE GROUND Concrete.	
		0.30 - 0.50	ES					MADE GROUND	
		0.30	ES					Dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete, flint and ash.	
		0.50	D		0.45			MADE GROUND	
		0.50	PP	1.2kg/cm2				Stiff dark greyish brown silty CLAY with frequent pockets of orange fine sand.	
								LONDON CLAY	
		1.00	D						1
		1.00	PP	2.0kg/cm2					
		1.50	D						
		1.50	PP	2.0kg/cm2					
		2.00	D						2
		2.00	PP	1.2kg/cm2					
		2.50	D						
		2.50	PP	2.0kg/cm2					
		3.00	D						3
		3.00	PP	2.0kg/cm2					
		3.50	D						
		3.50	PP	2.5kg/cm2					
		4.00	D		4.00				4
		4.00	PP	2.5kg/cm2				End of Borehole at 4.00m	

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks Groundwater encountered at 3.15m.	
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to		
		3.15	3.15				

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS2 Sheet 1 of 1	
Project Name: St Georges Walk		Project No. GE10739		Co-ords: 468115E - 109402N		Hole Type WS	
Location: Waterlooville				Level:		Scale 1:25	
Client: Burton Property				Dates: 22/04/2015		Logged By CA	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES		0.55		Dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete, flint and ash. MADE GROUND		
		0.50 0.60	PP D	0.5kg/cm2					
		1.00 1.00	D PP	0.8kg/cm2			Soft to stiff dark greyish brown silty CLAY with frequent pockets of orange fine sand. LONDON CLAY	1	
		1.50 1.50	D PP	1.5kg/cm2			<u>Becoming stiff at 1.10m.</u>		
		2.00 2.00	D PP	2.5kg/cm2				2	
		2.50 2.50	D PP	2.0kg/cm2					
		3.00 3.00	D PP	2.7kg/cm2				3	
		3.50 3.50	D PP	2.0kg/cm2	3.60				
		3.70	PP	1.0kg/cm2	3.80				
		4.00 4.00	D PP	3.5kg/cm2	4.00		Soft dark orangish brown very sandy silty CLAY. LONDON CLAY		
							Very stiff dark grey slightly sandy silty CLAY. LONDON CLAY		
							End of Borehole at 4.00m	4	
								5	

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks	
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to		
		3.20	3.20				

Groundwater encountered at 3.20m.



www.gesl.net

Borehole Log

Borehole No.

WS3

Sheet 1 of 1

Project Name: St Georges Walk

Project No.
GE10739

Co-ords: 468084E - 109405N

Hole Type
WS

Location: Waterloooville

Level:

Scale
1:25

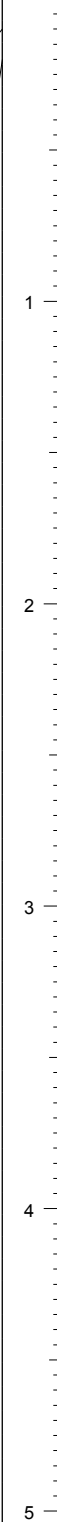
Client: Burton Property

Dates: 22/04/2015

Logged By
CA

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30 - 0.50	ES		0.10 0.20 0.55		Tarmacadam. MADE GROUND Dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete, flint, chalk and ash. MADE GROUND Concrete. MADE GROUND End of Borehole at 0.55m	1 2 3 4 5	
Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks			
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to				
						Groundwater not encountered. Refusal at 0.55m.			
									

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS3A Sheet 1 of 1	
Project Name: St Georges Walk		Project No. GE10739		Co-ords: 468086E - 109392N		Hole Type WS	
Location: Waterloooville				Level:		Scale 1:25	
Client: Burton Property				Dates: 22/04/2015		Logged By CA	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10			Tarmacadam.	
					0.20			MADE GROUND	
								Dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete, flint, chalk and ash.	
								MADE GROUND	
					0.55			Concrete.	
								MADE GROUND	
End of Borehole at 0.55m									

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks	
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to		

Groundwater not encountered.
Refusal at 0.55m.

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS4 Sheet 1 of 1	
Project Name: St Georges Walk		Project No. GE10739		Co-ords: 468042E - 109390N		Hole Type WS	
Location: Waterlooille				Level:		Scale 1:25	
Client: Burton Property				Dates: 22/04/2015		Logged By CA	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10		 Tarmacadam.  MADE GROUND Dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete and flint.		
		0.30	ES				MADE GROUND		
		0.50	D		0.45		Soft to stiff dark greyish brown silty CLAY with frequent pockets of orange fine sand.		
		0.50	PP	0.8kg/cm2			LONDON CLAY		
							<u>Becoming stiff at 0.75m.</u>		
		1.00	D					1	
		1.00	PP	1.5kg/cm2					
		1.50	D						
		1.50	PP	2.0kg/cm2					
		2.00	D					2	
		2.00	PP	2.0kg/cm2					
		2.50	D		2.50		Soft dark orangish brown very sandy silty CLAY.		
		2.50	PP	0.5kg/cm2	2.60		LONDON CLAY		
							Stiff dark greyish brown silty CLAY with frequent pockets of orange fine sand.		
		3.00	D				LONDON CLAY	3	
		3.00	PP	2.5kg/cm2					
					3.30		Very stiff dark grey slightly sandy silty CLAY.		
		3.50	D				LONDON CLAY		
		3.50	PP	3.5kg/cm2					
		4.00	D		4.00			4	
		4.00	PP	3.5kg/cm2			End of Borehole at 4.00m		
								5	

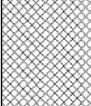
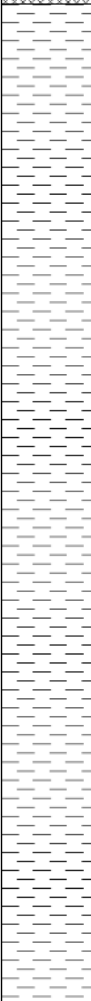
Casing		Water Strikes (mbgl)		Chiselling (mbgl)	
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to
		3.10	3.10		

Remarks

Groundwater encountered at 3.10m.



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log				Borehole No. WS5 Sheet 1 of 1	
Project Name: St Georges Walk		Project No. GE10739		Co-ords: 468096E - 109398N		Hole Type WS	
Location: Waterlooille				Level:		Scale 1:25	
Client: Burton Property				Dates: 22/04/2015		Logged By CA	

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10		 Tarmacadam. MADE GROUND		
		0.30	ES				 Dark reddish brown very sandy fine to coarse angular to very angular gravel. Gravels are of brick, concrete and flint. MADE GROUND		
		0.50	D		0.50				
		0.70	PP	0.8kg/cm2			 Soft to firm dark greyish brown silty CLAY with frequent pockets of orange fine sand. LONDON CLAY <u>Becoming firm at 1.0m.</u>	1	
		1.00	D						
		1.00	PP	1.5kg/cm2					
		1.50	D						
		1.50	PP	1.5kg/cm2				2	
		2.00	D						
		2.00	PP	1.8kg/cm2					
		2.50	D						
		2.50	PP	1.5kg/cm2					
		3.00	D					3	
		3.00	PP	2.0kg/cm2					
		3.50	D						
		3.50	PP	2.0kg/cm2					
					3.80				
		4.00	D		4.00		Very stiff dark grey slightly sandy silty CLAY. LONDON CLAY	4	
		4.00	PP	3.2kg/cm2			End of Borehole at 4.00m		
								5	

Casing		Water Strikes (mbgl)		Chiselling (mbgl)	
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to
		2.90	2.90		

Remarks

Groundwater encountered at 2.9m.





Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL

Geo-Environmental www.gesl.net

Trial Pit Log

Trial Pit No
WS6
Sheet 1 of 1

Project Name: St Georges Walk

Project No.
GE10739

Co-ords: 468087.00 - 109392.00
Level:

Date
22/04/2015

Location: Waterloooville

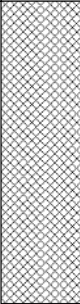
Dimensions
(m):

Scale
1:25

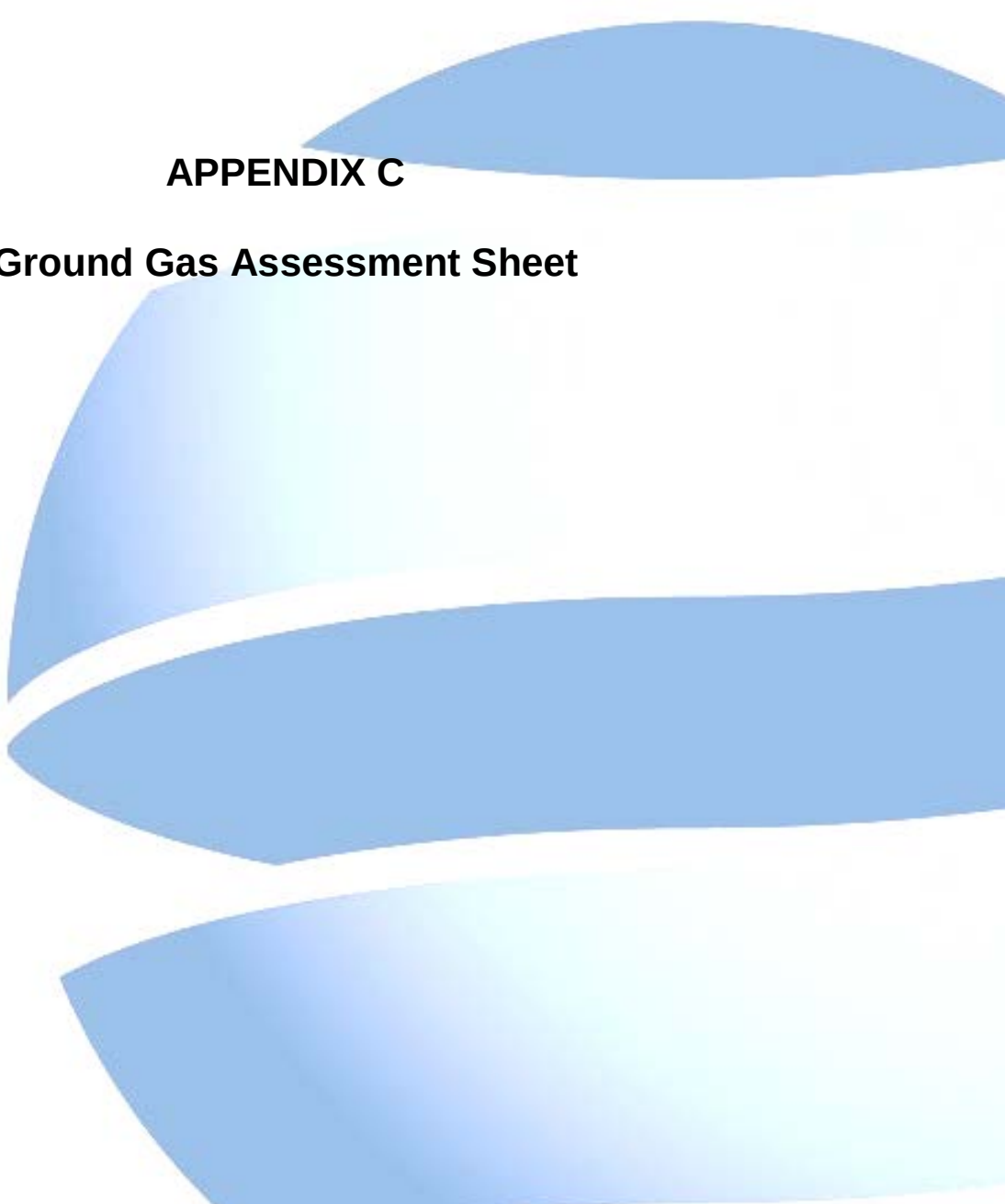
Client: Burton Property

Depth
1.00

Logged

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.70	B		1.00			Dark brown gravelly sand clay with occasional fine rootlets. Gravels are of brick, concrete and asphalt. MADE GROUND	1
							End of Pit at 1.00m	2
								3
								4
								5
Water Strikes								
Depth Strike	Notes to (m) (m)	Remarks Groundwater not encountered.						
		Stability						



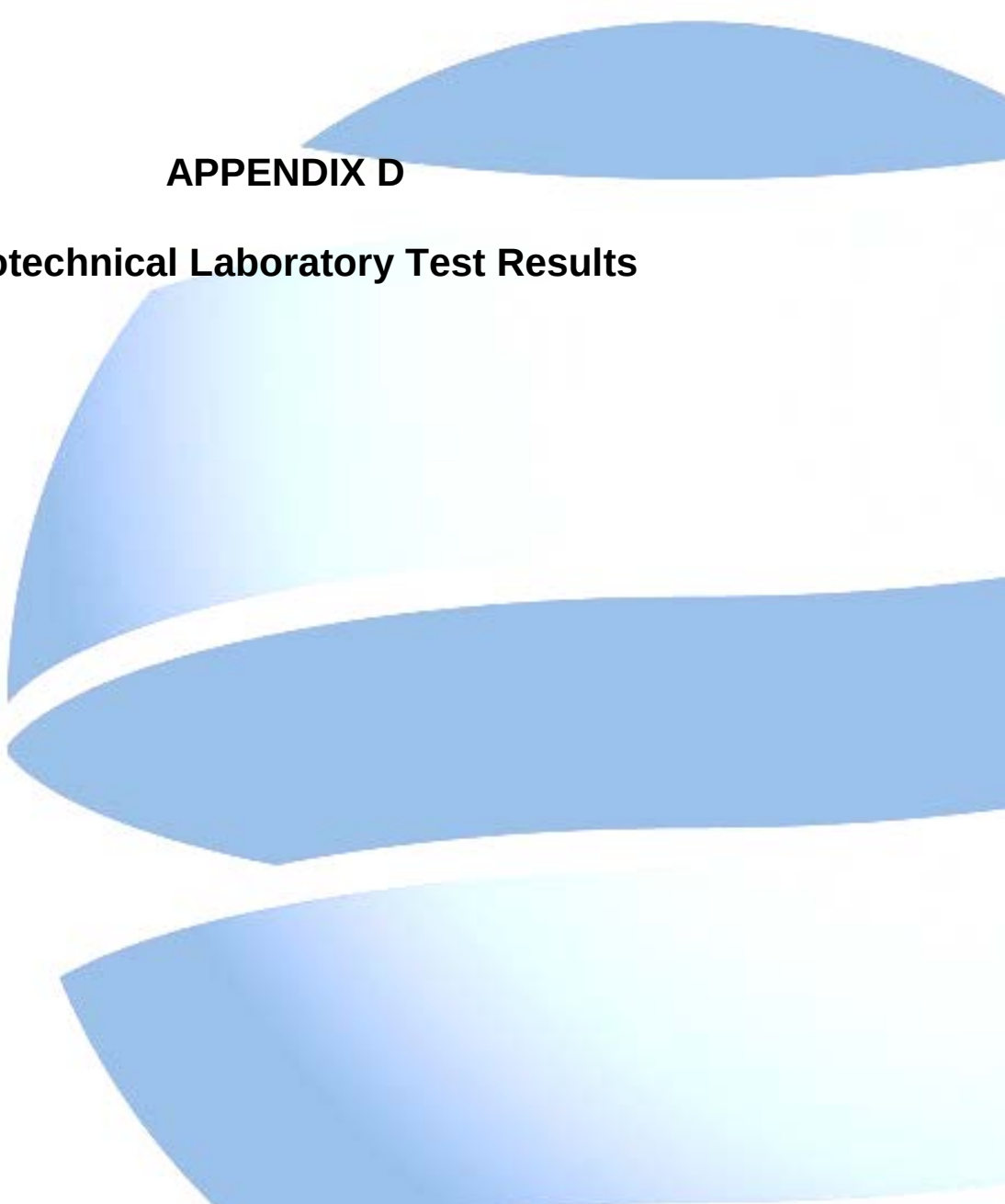
A decorative graphic consisting of three horizontal, wavy blue bands of varying shades (light blue, medium blue, and dark blue) that sweep across the bottom half of the page.

APPENDIX C

Ground Gas Assessment Sheet



Geo-Environmental Services Limited
T: 01273 832972
www.gesl.net

A decorative graphic consisting of three horizontal, wavy blue bands of varying shades (light blue, medium blue, and dark blue) that curve and overlap, creating a dynamic, fluid appearance on the right side of the page.

APPENDIX D

Geotechnical Laboratory Test Results



Summary of Classification Test Results

Job No. 18739	Project Name St Georges Walk	Programme	
		Samples received	23/04/2015
		Schedule received	23/04/2015
Project No. GE10739	Client GESL	Project started	27/04/2015
		Reported	13/05/2015

Hole No.	Sample				Soil Description	NMC %	Passing 425µm %	LL %	PL %	PI %	Remarks
	Ref	Top	Base	Type							
WS1	3	0.50		D	Brown and occasional orange slightly gravelly slightly sandy silty CLAY with traces of brick fragments (gravel is fine and sub-angular)	24					
WS1	5	1.50		D	Brown, orange and occasional pale grey slightly sandy silty CLAY	27	100	61	25	36	
WS1	7	2.50		D	Brown, orange and occasional pale grey silty CLAY	27	100	58	23	35	
WS2	4	1.50		D	Orangey brown silty CLAY with sandy clay pockets	27	100	64	24	40	
WS2	6	2.50		D	Brown and occasional orange and pale grey silty CLAY with silt pockets	25	100	61	24	37	
WS4	3	1.00		D	Brown and occasional orange and pale grey slightly gravelly silty CLAY with sandy clay pockets (gravel is fine and sub-angular)	25					
WS4	5	2.00		D	Brown, orange and occasional pale grey slightly sandy silty CLAY	29					
WS5	3	1.00		D	Orangey brown slightly silty slightly sandy slightly gravelly CLAY (gravel is fine and sub-angular)	26	93	52	20	32	
WS5	5	2.00		D	Brown and occasional orange and pale grey slightly silty slightly sandy CLAY	25	100	56	23	33	
WS5	7	3.00		D	Brown slightly gravelly silty CLAY with sandy clay pockets (gravel is fine and sub-angular)	28	98	52	23	29	

 2519	Test Methods: BS1377: Part 2: 1990: Natural Moisture Content : clause 3.2 Atterberg Limits: clause 4.3 and 5.0	Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com	Checked and Approved Initials J.P Date: 13/05/2015
	Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)		MSF-5-R1(a) -Rev. 0



California Bearing Ratio (CBR)

Job Ref 18739

Borehole/Pit No. WS6

Site Name St Georges Walk

Sample No. 1

Project No. GE10739

Client

GESL

Depth m 0.30

Soil Description

Dark brown slightly clayey slightly gravelly silty SAND with occasional brick fragments (gravel is fmc and angular to rounded)

Sample Type B

Samples received 23/04/2015

Schedules received 27/04/2015

Date started 12/05/2015

Test Method BS1377 : Part 4 : 1990, clause 7

CBR Test Number 1

Specimen Preparation

Condition REMOULDED

Details Recompacted with specified standard effort using 2.5kg rammer

Soaking details

Not soaked

Period of soaking

N/A days

Time to surface

N/A days

Amount of swell recorded

N/A mm

Dry density after soaking

N/A Mg/m3

Material retained on 20mm sieve removed

5 %

Initial Specimen details

Bulk density

1.82 Mg/m3

Surcharge applied

4 kg

Dry density

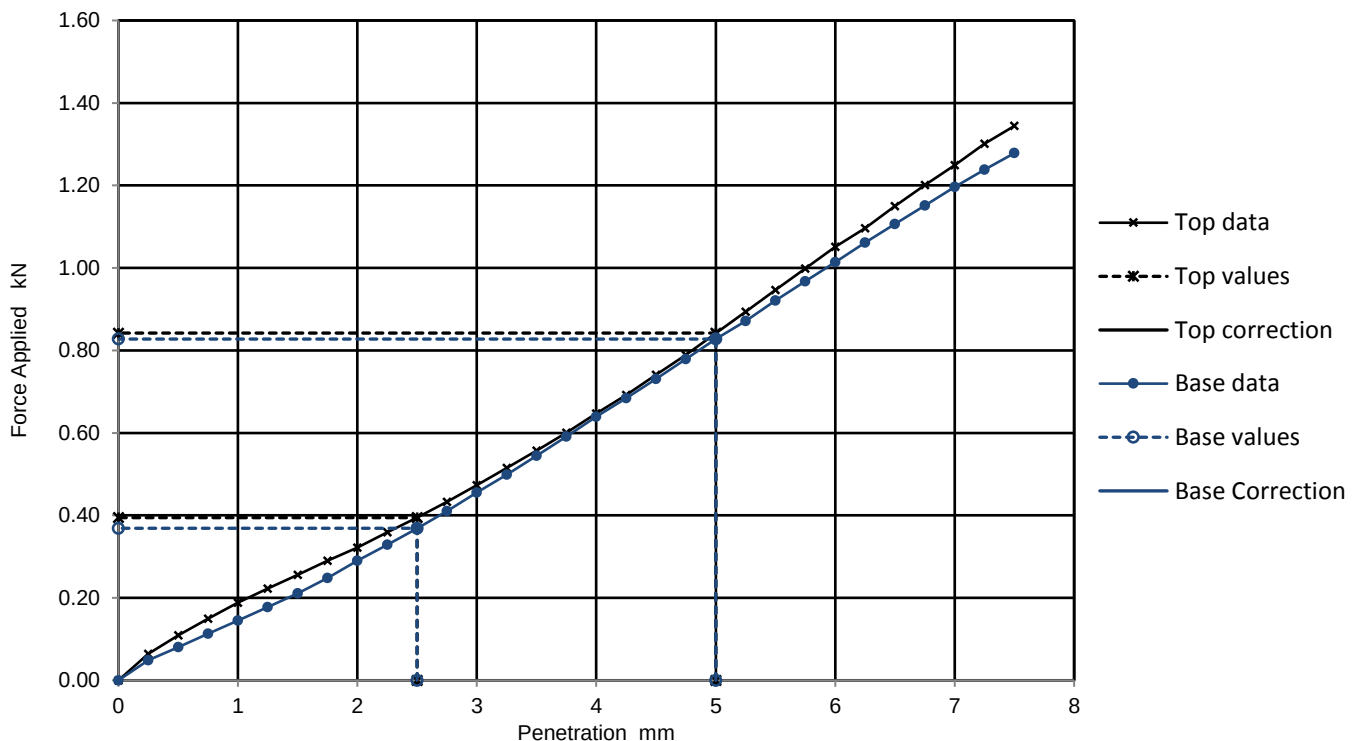
1.46 Mg/m3

2 kPa

Moisture content

25 %

Force v Penetration Plots



Results

TOP
BASE

Curve correction applied	CBR Values, %			
	2.5mm	5mm	Highest	Average
No	3.0	4.2	4.2	4.2
No	2.8	4.1	4.1	

Moisture Content %
25
24

1



Test Report by K4 SOILS LABORATORY
Unit 8 Olds Close Olds Approach
Watford Herts WD18 9RU

Tel: 01923 711 288
Email: James@k4soils.com

Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

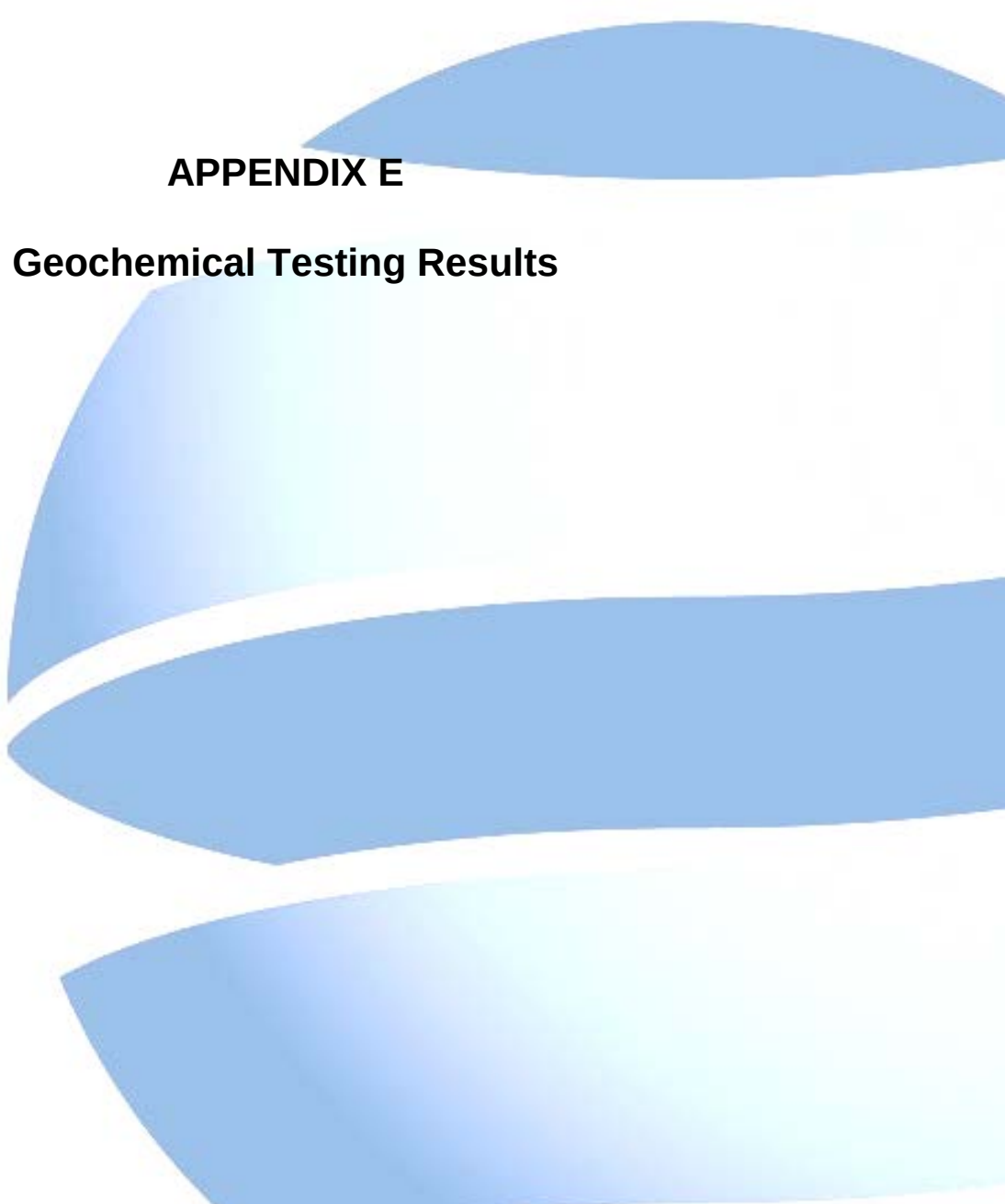
Checked and Approved

Initials: J.P

Date: 13/05/2015

MSF-5-R16

					Sulphate Content (Gravimetric Method) for 2:1 Soil: Water Extract and pH Value - Summary of Results Tested in accordance with BS1377 : Part 3 : 1990, clause 5.3 and clause 9					
Job No. 18739		Project Name St Georges Walk							Programme Samples received 23/04/2015 Schedule received 23/04/2015	
Project No. GE10739		Client GESL							Project started 27/04/2015 Reported 13/05/2015	
Hole No.	Sample				Soil description	Dry Mass passing 2mm %	SO3 Content g/l	SO4 Content g/l	pH	Remarks
	Ref	Top	Base	Type						
WS5	3	1.00		D	Orangey brown slightly silty slightly sandy slightly gravelly CLAY (gravel is fine and sub-angular)	97	0.06	0.07	7.67	
WS5	5	2.00		D	Brown and occasional orange and pale grey slightly silty slightly sandy CLAY	100	0.21	0.25	7.51	
		Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU Tel: 01923 711 288 Email: James@k4soils.com							Checked and Approved Initials J.P Date: 13/05/2015	
2519		Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)							MSF-5-R29 (Rev. 0)	



APPENDIX E

Geochemical Testing Results



2683



THE ENVIRONMENT AGENCY'S
MONITORING CERTIFICATION SCHEME

Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618
Facsimile: (01424) 729911
info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 15-01742

Issue: 1

Date of Issue: 12/05/2015

Contact: Cesar Ozevedo

Customer Details: GESL
Unit 7
Danworth Farm
Hurstpierpoint
West Sussex

Quotation No: Q14-00021

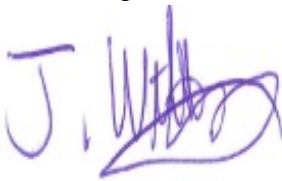
Order No: Not Supplied

Customer Reference: GE10739

Date Received: 23/04/2015

Date Approved: 12/05/2015

Details: St Georges Walk

Approved by: 

John Wilson, Operations Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



Sample Summary

Report No.: 15-01742

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
25477	WS1 0.20 - 0.50	22/04/2015	28/04/2015		
25478	WS1 0.30	22/04/2015	28/04/2015	Sandy loam	
25479	WS2 0.30	22/04/2015	28/04/2015	Silty loam	
25480	WS3 0.10 - 0.30	22/04/2015	28/04/2015	Sandy silty loam	c
25481	WS4 0.30	22/04/2015	28/04/2015	Silty loam	
25482	WS5 0.30	22/04/2015	28/04/2015	Silty loam	

Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
Metals								
Arsenic	M	mg/kg	1	4.9	6.9	n/t	20.7	38.4
Barium	M	mg/kg	10	50.7	32.5	n/t	308	376
Beryllium	U	mg/kg	1	< 1.0	< 1.0	n/t	1.5	3.5
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	0.6
Chromium	M	mg/kg	5	10.9	20.3	n/t	17.4	24.4
Copper	M	mg/kg	5	11.0	12.9	n/t	228	160
Lead	M	mg/kg	5	75.5	36.8	n/t	786	937
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	n/t	2.2	3.2
Nickel	M	mg/kg	5	6.3	15.4	n/t	19.2	34.9
Selenium	M	mg/kg	1	< 1.0	< 1.0	n/t	1.3	1.4
Vanadium	M	mg/kg	5	18.7	26.5	n/t	39.7	58.8
Zinc	M	mg/kg	45	49.0	50.8	n/t	242	482



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Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
Anions								
Water Soluble Chloride	M	mg/l	20	< 20	< 20	n/t	n/t	n/t
Water Soluble Chloride	M	mg/kg	40	n/t	n/t	n/t	< 40	< 40
Water Soluble Sulphate	M	g/l	0.02	0.08	< 0.02	n/t	< 0.02	< 0.02



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Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
Inorganics								
Elemental Sulphur	N	mg/kg	20	< 20	< 20	n/t	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	n/t	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	g < 2	g < 2	n/t	< 2	< 2
Total Cyanide	M	mg/kg	1	1.6	1.8	n/t	1.9	1.8
Acid Soluble Sulphate (SO ₄)	U	%SO ₄	0.02	0.10	< 0.02	n/t	0.06	0.05
Water Soluble Boron	N	mg/kg	0.5	0.9	0.5	n/t	0.6	0.9



Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
Miscellaneous								
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	< 0.1	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	n/t	1.30	n/t	n/t
pH	M	units	0.1	9.1	7.5	8.1	7.2	7.2
Total Organic Carbon	N	%	0.01	0.20	0.25	0.31	4.4	6.2



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Results Summary

Report No.: 15-01742

ELAB Reference				25478	25479	25480	25481	25482
Customer Reference								
Sample ID								
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				WS1	WS2	WS3	WS4	WS5
Sample Depth (m)				0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date				22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015
Determinand	Codes	Units	LOD					
Phenols								
Total Phenols	N	mg/kg	6	< 6	< 6	n/t	< 6	< 6

Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Acenaphthylene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Acenaphthene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Fluorene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Phenanthrene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Anthracene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Fluoranthene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	0.5
Pyrene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Benzo (a) anthracene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Chrysene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Benzo (b) fluoranthene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	0.6	0.6
Benzo (k) fluoranthene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	1.2
Benzo (a) pyrene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	0.8
Dibenzo(a,h)anthracene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Benzo(ghi)perylene	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Total PAH(16)	M	mg/kg	2	< 2	< 2	n/t	3	6
Total PAH (Including Coronene)	N	mg/kg	2	n/t	n/t	c 7	n/t	n/t

Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
BTEX								
Benzene	M	ug/kg	10	n/t	n/t	n/t	< 10.0	< 10.0
Toluene	M	ug/kg	10	n/t	n/t	n/t	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	n/t	n/t	n/t	< 10.0	< 10.0
Xylenes	M	ug/kg	10	n/t	n/t	n/t	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	n/t	n/t	c < 0.01	n/t	n/t



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Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	n/t	n/t	n/t	1.5	1.9
>C10-C12 Aliphatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	n/t	n/t	n/t	1.6	1.9
>C16-C21 Aliphatic	N	mg/kg	1	n/t	n/t	n/t	3.0	3.4
>C21-C35 Aliphatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	n/t	n/t	n/t	< 1.0	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	n/t	n/t	n/t	6.1	7.1



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Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015

Determinand	Codes	Units	LOD					
Total Petroleum Hydrocarbons								
Mineral Oil	U	mg/kg	5	n/t	n/t	c < 5	n/t	n/t
Total TPH (>C8-C40)	M	mg/kg	5	< 5	< 5	n/t	n/t	n/t



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Results Summary

Report No.: 15-01742

ELAB Reference	25478	25479	25480	25481	25482
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS1	WS2	WS3	WS4	WS5
Sample Depth (m)	0.30	0.30	0.10 - 0.30	0.30	0.30
Sampling Date	22/04/2015	22/04/2015	22/04/2015	22/04/2015	22/04/2015
Determinand	Codes	Units	LOD		
PCB (ICES 7 congeners)					
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	n/t

Results Summary

Report No.: 15-01742

WAC Analysis

Elab Ref:	25480					Landfill Waste Acceptance Criteria Limits		
Sample Date:	22/04/2015					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	WS3							
Depth:	0.10 - 0.30							
Site:	St Georges Walk							
Determinand		Code	Units					
Total Organic Carbon		N	%		0.31	3	5	6
Loss on Ignition		M	%		1.3	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		7.0	100	--	--
pH		M			8.1	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			2:1	8:1	10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
			mg/l	mg/l	mg/kg			
Arsenic		N	< 0.005	< 0.005	< 0.05	0.5	2	25
Barium		N	0.097	0.100	1.00	20	100	300
Cadmium		N	< 0.001	< 0.001	< 0.01	0.04	1	5
Chromium		N	< 0.005	< 0.005	< 0.05	0.5	10	70
Copper		N	< 0.005	< 0.005	< 0.05	2	50	100
Mercury		N	< 0.005	< 0.005	< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005	< 0.005	< 0.05	0.5	10	30
Nickel		N	< 0.001	< 0.001	< 0.05	0.4	10	40
Lead		N	< 0.001	< 0.001	< 0.05	0.5	10	50
Antimony		N	< 0.005	< 0.005	< 0.05	0.06	0.7	5
Selenium		N	< 0.005	< 0.005	< 0.05	0.1	0.5	7
Zinc		N	< 0.005	< 0.005	< 0.05	4	50	200
Chloride		N	< 5	< 5	< 50	800	15000	25000
Fluoride		N	< 1	< 1	< 10	10	150	500
Sulphate		N	11.000	3.000	43.40	1000	20000	50000
Total Dissolved Solids		N	< 10	< 10	< 100	4000	60000	100000
Phenol Index		N	< 0.01	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon		N	10.500	7.400	79.00	500	800	1000
Leach Test Information								
Eluent Volume (ml)		N	270	1420				
pH		N	7.9	7.8				
Conductivity (uS/cm)		N	153	125				
Temperature (°C)		N	16	20				
Solid Information								
Dry mass of test portion (g)			178					
Moisture (%)			4.6					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

Stated limits are for guidance only and ELAB cannot be held responsible for any discrepancies with current legislation



Unit A2, Windmill Road, Ponswood Industrial Estate, St Leonards on Sea, East Sussex, TN38 9BY
Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary

Report No.: 15-01742

Asbestos Qualitative Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Result
25478	0.30	WS1	Sandy loam	No asbestos detected
25479	0.30	WS2	Silty loam	Chrysotile
25481	0.30	WS4	Silty loam	Chrysotile
25482	0.30	WS5	Silty loam	No asbestos detected

Method Summary

Report No.: 15-01742

Parameter	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil				
Anions in 2:1 WAC		11/05/2015		
DOC in 2:1 WAC		09/05/2015		
Metals by ICP in 2:1 WAC		09/05/2015		
Phenols in 2:1 WAC		11/05/2015		
Polyaromatic hydrocarbons in solids	As submitted sample	07/05/2015		GC-FID
Sulphide	As submitted sample	07/05/2015	109	Colorimetry
Hexavalent chromium	As submitted sample	06/05/2015	110	Colorimetry
pH	Air dried sample	08/05/2015	113	Electromeric
Acid Soluble Sulphate	Air dried sample	11/05/2015	115	Ion Chromatography
Total Petroleum Hydrocarbons in solids	As submitted sample	06/05/2015	117	GC-FID
Aqua regia extractable metals	Air dried sample	07/05/2015	118	ICPMS
PCB (ICES 7 congeners)	Air dried sample	07/05/2015	120	GC-MS
Phenols in solids	As submitted sample	06/05/2015	121	HPLC
Elemental Sulphur	Air dried sample	07/05/2015	122	HPLC
Loss on ignition at 450 deg C	Air dried sample	08/05/2015	129	Gravimetry
Polyaromatic hydrocarbons (GC-FID)	As submitted sample	06/05/2015	133	GC-FID
Water soluble anions	Air dried sample	07/05/2015	172	Ion Chromatography
BTEX in solids	As submitted sample	07/05/2015	181	GC-MS
Water soluble boron	Air dried sample	07/05/2015	202	Colorimetry
Total cyanide	As submitted sample	11/05/2015	204	Colorimetry
Total organic carbon/Total sulphur	Air dried sample	07/05/2015	210	IR
Aliphatic hydrocarbons in soil	As submitted sample	06/05/2015	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	As submitted sample	08/05/2015	214	GC-FID
Aromatic hydrocarbons in soil	As submitted sample	06/05/2015	214	GC-FID
Low range Aliphatic hydrocarbons soil	As submitted sample	07/05/2015	214	GC-MS
Low range Aromatic hydrocarbons soil	As submitted sample	07/05/2015	214	GC-MS
Acid neutralisation capacity	Air dried sample	08/05/2015	EA NEN 737	
Asbestos identification	As submitted sample	12/05/2015	PMAN	Microscopy

Leachate

Report Information

Report No.: 15-01742

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage