Geo-Environmental

GROUND APPRAISAL REPORT

for the site at

MANOR FARM, LOWER ROAD, BEDHAMPTON,

HAMPSHIRE PO9 3NB

on behalf of

BARGATE HOMES

Report:	**GROUND APPRAISAL REPORT**
Site:	**MANOR FARM, LOWER ROAD, BEDHAMPTON, HAMPSHIRE PO9 3NB**
Client:	**BARGATE HOMES**
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CONTENTS

EXECUTIVE SUMMARY		vi
1.0	Introduction	1
2.0	Desk Study	1
2.1	Site Description	1
2.2	Geology	1
2.3	Hydrogeology	2
2.4	Hydrology	3
2.5	Historic Mapping	3
2.6	Sensitive Land Uses	5
2.7	Environmental Data	5
2.8	Geotechnical Data	6
2.9	Ground Gases	6
2.10	Radon	7
2.11	Geochemistry	7
2.12	Previous Ground Investigations	8
2.13	Generic Contamination	8
3.0	Preliminary Risk Assessment	8
3.1	Possible Contamination Sources	9
3.2	Summary of Plausible Pathways	10
3.3	Summary of Plausible Receptors	10
3.4	Preliminary Risk Assessment Summary	15
3.5	Geotechnical Condition	15
4.0	Investigation Strategy	15
5.0	Ground Conditions	16
6.0	Groundwater	16
7.0	Ground Gases	17
8.0	Obstructions	17
9.0	Geotechnical Testing and Assessment	17
10.0	Engineering Considerations	18
10.1	Foundations	18
10.2	Excavations	19
10.3	Floor Slabs	19
10.4	Pavements	19
10.5	Sulphates	19
10.6	Soakaways	20
11.0	Environmental Risk Assessment	20
11.1	Ground Gas vs. Human Health	20
11.2	Soil Contamination vs. End Users	20
11.3	Soil Contamination vs. Adjacent land Users	21
11.4	Soil Contamination vs. Soft Landscaping	22
11.5	Soil Contamination vs. Building Materials	22
11.6	Soil Contamination vs. Surface Water	22
12.0	Waste Disposal	23
13.0	Discovery Strategy	23

FIGURES

FIGURE 1	Site Location Plan
FIGURE 2	Indicative Development Layout
FIGURE 3	Exploratory Hole Location Plan
FIGURE 4	Conceptual Site Model
FIGURE 5	Constraints Plan

APPENDICES

APPENDIX A	Desk Study Information
APPENDIX B	Exploratory Hole Logs
APPENDIX C	Geotechnical Laboratory Results
APPENDIX D	Geochemical Laboratory Results

EXECUTIVE SUMMARY		
Site Details	Site Address	Manor Farm, Lower Road, Bedhampton, Hampshire PO9 3NB
	National Grid Reference	NGR 470030, 106130
	Site Area	3.95Ha
	Form of Development	Proposed residential development including houses, gardens, access roads and associated infrastructure.
Encountered Conditions	Scope of works	The assessment incorporated a desk study to determine the site's setting to inform a preliminary risk assessment followed by an 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 a mantle of Topsoil over River Terrace Deposits, with weathered Chalk encountered at depth in several of the exploratory holes. The depth to the Chalk varied across the site and also within some exploratory holes. In addition, Made Ground was encountered within one exploratory hole, this being located along and associated with the man-made track which crossed the site from Lower Road to the bridge crossing over the railway line on the site's southern boundary. The track was raised above adjacent ground and thus the Made Ground appeared isolated to this particular area of the site.
	Groundwater	Groundwater was not encountered during the intrusive investigation. Subsequent monitoring of wells installed during the intrusive investigation has recorded water standing at 3.14-3.42m bgl in WS6 and at 4.9m bgl in WS2. However, it is considered likely that this is discontinuous perched water rather than groundwater given that the adjacent railway cutting was dry.
Geotechnical Considerations	Foundations	It is considered that conventional foundations could be appropriate for the proposed development, with a minimum foundation depth of 1.0m bgl, in accordance with high volume change potential soils. A net allowable bearing capacity of 100kPa is recommended for the gravelly sandy clay of the River Terrace Deposits. Given the variation in depth to the underlying Chalk, it is considered that founding in the Chalk could require unnecessary excavation. Mesh reinforcement should be included in all foundations on this site. Total settlement should remain within tolerable limits for the bearing capacity stated.
	Floor Slabs	Suspended floor slabs are recommended due to the presence of shrinkable soils.
	Excavations	Shallow excavations are likely to remain stable in the short term. Long, or deep excavations are likely to become unstable in the short term. Instability is likely to be rapid if water is present within excavations. Long excavations across the slope should be avoided due to the potential to destabilise the ground upslope of the excavation. Under no circumstances should personnel be permitted to enter excavations during construction or maintenance.
	Pavements	A CBR value of 1.5% is recommended for preliminary pavement design, albeit with further testing recommended to inform design once a proposed alignment has been determined.

EXECUTIVE SUMMARY		
	Drainage	Based on the results of trial pit soakage testing undertaken, it is considered that conventional soakaways would not perform sufficiently well for the disposal of storm water run-off on this site. On site storage and peak flow attenuation is likely to be required prior to discharge either to the ground, or to an existing drainage network. Soakaways and infiltration devices should be at least 10m from any structure and should not discharge water to the rear of any retaining walls, or in proximity to the railway cutting.
	Buried Concrete	Buried concrete for shallow foundations should be designed to Class DS1 (AC1s).
Environmental Considerations	Human Health	No evidence of contamination was encountered within the natural soils (Topsoil or subsoil) beneath the site. However, Made Ground from WS4 was found to be impacted by various PAH compounds, some exceeding the SSAC/S4UL and benzo(a)pyrene exceeding the C4SL value for the sample from WS4 at 0.1m bgl. With reference to the proposed development layout it is understood that the track through the site (and formed of Made Ground) would cross through various residential plots. As such, it is recommended that the Made Ground which has been used to form the access track is excavated and relocated to the revised access track location or used under roads or other permanent hard surfacing, i.e. it being unsuitable for use in gardens but suitable under permanent hard cover.
	Surface Water	No evidence of mobile contamination was encountered within the soils. 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.
	Ground Gas	Whilst the desk study identified several landfills or potential sources of ground gas, these were to the south of the site and on the opposite side of either the railway cutting, or a watercourse and thus in the absence of a plausible migration pathway, no plausible pollutant linkages were identified.
	Built Environment	It is recommended that conventional pipe materials could be used for the potable water supply, together with backfilling trenches with clean, inert granular fill (shingle).
	Waste Disposal	WAC testing indicates that surplus spoil is likely to comprise inert waste. However, WAC testing will be required on any surplus Made Ground soils to clarify the waste classification for these soils prior to removal from site.
Further Action: • Continue winter groundwater monitoring and provide an addendum letter report on completion. • Preparation of a Remediation Method Statement and Verification Strategy. • Prior to development undertake remediation works, which at this stage are likely to comprise the excavation and removal of Made Ground from the existing access track alignment and re-use as sub-base materials in the proposed new access track. This will require the preparation of a Materials Management Plan and Declaration by a Qualified Person under DoWCoP. • 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.		
This Executive Summary is intended to provide a brief summary of the main findings and conclusions of the investigation. For further information, reference should be made to the main report ref. GE16507-GAR-NOV17.		

1.0 Introduction

Geo-Environmental Services Limited was instructed by Bargate Homes, to undertake an investigation of the geotechnical and geo-environmental factors pertaining to land at Manor Farm, Lower Road, Bedhampton, Hampshire PO9 3NB. The site's location is presented in Figure 1.

It was understood that the development proposals were to comprise the construction of houses with private gardens, access roads, soft landscaping and associated infrastructure. The proposed development layout is indicated in Figure 2.

2.0 Desk Study

The findings of the Phase I desk study are presented in the following section. A copy of the historic maps and other information obtained as part of the desk study are presented in Appendix A. Comments made in the following section regarding possible ground conditions on the site are based purely on the desk study.

2.1 Site Description

The site comprised an irregularly shaped parcel of land extending to approximately 3.95Ha located at NGR 470030, 160130. Whilst the majority of the site was fairly level, a track raised slightly above general site ground level crossed through the eastern portion of the site from the northern to the southern boundaries. The track rose up above general site level at the southern boundary where it approached a railway bridge.

The site comprised farmland on which arable crops had been grown. At the time of the intrusive investigation, the crops had recently been harvested, leaving the site with a cover of stubble.

Several trees were present around the site's perimeter, primarily with sporadic presence, albeit with the eastern boundary marked by a line of coniferous trees.

The site was bounded to the north by Lower Road, with houses beyond; to the east by a line of trees marking the site boundary and a field beyond; to the south by the Portsmouth to Brighton railway line which was located in a cutting, and with fields beyond; to the north-west by farm buildings; and to the west by a continuation of the main field, with a line of trees and roads beyond.

The site was accessed via a farm gate located off Lower Road.

2.2 Geology

With reference to British Geological Survey (BGS) mapping, the geology of the site was anticipated to comprise the River Terrace Deposits over Lewes Nodular Chalk. In addition, given that the access track crossing the site was at a slightly higher level than adjacent ground, a mantle of Made Ground was also anticipated to be present over the natural strata in this specific portion of the site.

BS5930:2015 defines **Made Ground** as anthropogenic ground in which the material has been placed without engineering control and/or manufactured by man in some way, such as through crushing or washing, or arising from an industrial process. 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. In addition, on sites which have undergone several phases of historic development it is not uncommon for asbestos to be present within Made Ground soils.

The rivers of southern of England, including the Ancient Solent and its tributaries, have been subject to several changes of level since Pleistocene times. One result has been the formation of a complex series of **River Terrace**

Deposits. The deposits are generally found at an elevation close to or higher than that of the existing rivers, and generally comprise sand and gravel of roughly bedded flint or chert of varying degrees of coarseness and with varying clay and silt content.

The BGS describes **Lewes Nodular Chalk** as white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large.

The Chalk is prone to irregular karstic weathering such that the upper boundary is often characterised by sudden changes in profile and elevation over relatively short distances. In addition, the Chalk can be prone to dissolution and the presence of solution features.

2.3 Hydrogeology

With reference to the Envirocheck dataset, the solid and superficial strata underlying the site were recorded as a Principal Aquifer and Secondary 'A' Aquifer, respectively. Principal Aquifers are layers of rock or drift deposits that have high intergranular and/or fracture permeability, meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. Secondary 'A' Aquifers include permeable layers of soil or rock, capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Soils underlying the site were classified as being of High (U) Leaching Potential.

- High (U) Leaching Potential is defined as: Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise

The site was indicated to be outside of any Source Protection Zone (SPZ). An SPZ is a protection zone placed around a well or borehole that supplies groundwater of potable quality. However, A Source Protection Zone I (SPZ I) was identified 21m to the north and an SPZ Ic was identified 260m to the east.

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

The British Geological Survey classifies the site as having 'potential' for groundwater flooding at the ground surface. However, it should be noted that there is a railway cutting to the immediate south of the site, which forms part of the main south coast rail infrastructure. Thus large scale groundwater flooding would appear less likely at or close to ground level given the proximity of this operational railway cutting.

No discharge consents to land were identified within a radius of 500m of the site boundary.

Nine licensed groundwater abstractions (three abstractions at each of three locations) were identified with a radius of 1km of the site boundary, as summarised below:

- 361m east – 3No. groundwater abstractions for potable supply;
- 488m north-east – 3No. groundwater abstractions for potable supply; and
- 903m east – 3No. groundwater abstractions for potable supply.

Whilst the strata from which the groundwater was abstracted were not listed, it is considered most likely that all of the abstractions were from Chalk.

No pollution incidents to groundwater were recorded within a radius of 250m of the site boundary.

2.4 Hydrology

With reference to the Landmark dataset, the closest surface water feature was located 55m to the north-east of the site. OS mapping indicated this was likely to be a tributary to Hermitage Stream. River Quality for the Hermitage Stream section 251m to the south-east of the site was reported as Quality C (tidal limit) for the most recent record (2000).

The site was indicated to be located outside of any current indicative tidal and fluvial flood plain, or any associated flood warning area. However, fluvial models indicated possible flood zones from c. 30m to the east and tidal models indicated possible flood zones from c. 120m south-east. As noted previously, the main south coast (Portsmouth to Brighton) railway line was located within a cutting immediately to the south of the site.

Eleven discharge consents to surface water were identified within 500m of the site and comprised:

- Storm tank at sewage treatment works 145m north-west discharging to a saline estuary. Revoked 06/03/1996.
- Final treated effluent discharging to saline estuary 171m east. Revoked 18/04/1996.
- Trade effluent discharging to saline estuary 368m south-east. One revoked 13/06/1997, one active since 13/06/1997.
- Surface water to freshwater stream. 412m east, 427m east, 442m east, 440m east, 448m east and 452m east.
- Site drainage to saline estuary. 483m south-east.

Three pollution incidents to surface water were recorded within 500m of the site, as summarised below:

- Crude sewage in stream. Recorded as being on site but with a positional accuracy of 100m (note – nearest stream was 55m north-east). Category 1 Major Incident dated 28/03/1997.
- Oil on stream 265m east. Category 2 Significant Incident dated 12/05/1994.
- Crude sewage 'stream may be affected' 326m north-east. Category 3 Minor Incident dated 11/09/1997.

No licensed surface water abstractions were identified as part of the desk study within a 1km radius of the site boundary.

2.5 Historic Mapping

A summary of site history dating back to 1868 is presented in Table 2.1 and has been determined through examination of historic maps obtained as part of the desk study.

Date	On Site	Off Site
1868	The site was shown to comprise an open field, part of a larger field which extended to the east and west. A track was shown to cross through the eastern portion of the site from north to south and a railway line in a cutting was shown on the site's southern boundary. The track passed over the railway line at a bridge.	The South Coast Railway was shown immediately to the south of the site (in a cutting). Land to the east and west comprised a continuance of the field in which the subject site was located. Fields were indicated to the south of the railway line and also to the north of a road which formed the site's northern boundary (now known as

Date	On Site	Off Site
		Lower Road). A house (The Elms), gardens and orchard were shown from 20m to the north-north-east of the site. A 'Pound' was labelled c. 10-20m to the north-east of the site. A feature labelled as 'The Temple' was shown 75m to the north of the site. A watercourse was shown c. 50-100m to the east, with a route appearing to extend towards and possibly the railway line (to the east of the cutting). A 'Well' was labelled 250m to the north-west and Chalk Pits were shown 350m to the north-west of the site.
1870	No significant changes identified.	A cluster of buildings labelled as Bedhampton Mill (Corn) were located 200m to the south-east of the site.
1897	No significant changes identified.	The watercourse to the east of the site appeared to have been redirected towards the south-east via a sluice. The Chalk Pits to the north-west were marked as rough grassland.
1909	No significant changes identified.	Buildings were shown immediately to the north-west of the site and appeared to comprise a row of houses and a farmyard type layout. Land further north was shown to have been partitioned but not developed. Houses were shown c. 200m to the north of the site and an earthwork mound was indicated c. 150-200m to the north-west of the site. The use/purpose of the mound was unclear.
1909-10	No significant changes identified.	Bedhampton Mill was labelled as disused.
1932	No significant changes identified.	Further residential development was shown c.200m to the north of the site. A Sewage Works and filter beds were shown c. 150m to the south-east of the site.
1938-42	No significant changes identified.	No significant changes identified.
1952-69	No significant changes identified.	The A27 was shown 250m to the south of the site and an associated spur road was located 200m to the west of the site. Houses were shown on the northern side of Lower Road.
1954-89	No significant changes identified.	No significant changes identified other than further residential development along the northern side of Lower Road.
1959	No significant changes identified other than a 'Drain' was shown crossing from north to south over the western portion of the site.	No significant changes identified other than buildings immediately to the north-west of the site being labelled as Manor Farm Dairy.
1961-74	No significant changes identified.	No significant changes identified other than the

Date	On Site	Off Site
		sewage works 150m south-east being labelled as disused.
1962-63	No significant changes identified.	No significant changes identified other than Bedhampton Chalk Pit (as shown on 1870 map) labelled as disused.
1967-73	No significant changes identified.	No significant changes identified.
1969	No significant changes identified.	Additional farm type buildings were shown c. 10-50m to the north-west of the site.
1973 & 1973-74	No significant changes identified.	No significant changes identified.
1981-87	No mapping.	Mapping error (wrong map) for the north-west tile. No significant changes identified for the south-east map tile (dated 1987)
1982	No significant changes identified, albeit no mapping coverage for the eastern portion of the site.	No significant changes identified. No mapping to the east.
1983*	No significant changes identified.	No significant changes identified.
1988*	No significant changes identified.	No significant changes identified.
1989	No significant changes identified, albeit no mapping coverage for the eastern portion of the site.	A 'Tank' was shown 100m to the west and a second 'Tank' shown between the Manor Farm Dairy buildings and the site boundary. Given the land uses, these tanks appeared to be farming related.
1990-92	No significant changes identified.	No significant changes identified other than two large buildings shown on the former Bedhampton Chalk Pit site. From local knowledge, these comprised a retail park use.
1993	No significant changes identified.	No significant changes identified.
1999**	No significant changes identified other than a tree line located along the site's eastern boundary.	No evidence was visible on this aerial photograph for the 'Tank' shown 100m west of the site on the 1989 map.
2000	No significant changes identified.	No significant changes identified.
2006	No significant changes identified.	No significant changes identified.
2017	No significant changes identified.	No significant changes identified other than redevelopment of the former Bedhampton Chalk Pit site for housing.

NOTE: * Russian military maps; ** aerial photograph

Table 2.1 Summary of Historical Map Extracts

2.6 Sensitive Land Uses

A search was made of environmentally sensitive areas, including areas of green belt, scenic or natural beauty, parks, reserves, nitrate zones, protected conservation and scientific areas. The only recorded was for the site being located within a nitrate vulnerable zone for eutrophic water.

2.7 Environmental Data

Searches of other various environmental databases were made as part of the desk study, including air pollution control sites, Part IIA contaminated land, Integrated Pollution Control (IPC) and Integrated Pollution Prevention and Control (IPPC) site, registered radioactive substances, COMAH sites, explosives sites, Notification of Installations

Handling Hazardous Substances (NIHHS) sites, planning permissions for sites involving hazardous substances, contemporary trade directories and fuel station registers.

One Local Authority IPPC record was identified within 500m of the site and related to waste management at 'Bedhampton landfill' whish was reportedly located 500m to the east of the site. No other IPPCs were identified within 500m of the site.

Four Local Authority PPC records were identified within 500m of the site and related two records on each of two sites for waste management/recycling 463m south-east and 474m south-east.

No Contemporary Trade Directory Entries were recorded within a radius of 100m of the site boundary. Three records were identified in the radius 101-250m of the site boundary and comprised:

- Commercial cleaning 105m west (inactive);
- Sports equipment 135m north (inactive); and
- Furniture repair 200m north-west (inactive).

2.8 Geotechnical Data

The site was recorded as not being in an area affected by a coal mining. British Geological Survey (BGS) geological hazard assessments for the site are summarised in Table 2.2.

Hazard	Hazard Designation
Non-coal mining	Rare
Collapsible ground	Low
Compressible Ground	No Hazard
Ground dissolution	Very Low to Moderate (High 2m north-west)
Landslide	Very Low
Running sand	Low
Shrinking/Swelling clay	Low

Table 2.2 Summary of BGS Geological Hazards

BGS records also identified the following mineral sites:

- Belmont Farm Chalk Pit 350m north – opencast, ceased (part of a feature within a current residential area); and
- Bedhampton Chalk Pit 389m north-west – opencast, ceased (redeveloped as a housing development).

Natural cavities were identified within 500m of the site as follows:

- 363m north-west – 3 No. solution pipes;
- 378m north-west – 1No. solution pipe.

2.9 Ground Gases

A search of BGS recorded landfill sites, IPC registered waste sites, licensed waste management facilities, local authority recorded landfill sites, other registered landfill sites, waste transfer stations, and other waste treatment or disposal sites was undertaken as part of the desk study. Such sites may form an artificial source of ground gases, such as carbon dioxide and methane, where wastes are buried or disposed of to landfill. A summary is presented in Table 2.3.

Facility	Detail	Comment
BGS landfill	None in 250m	Storhouse Tip Lake 393m south. This is located to the south of the railway cutting which forms the site's southern boundary.
Historic landfill sites	One within 500m	Harts Farm Way 221m south-east, included household waste. This is located to the south of the railway cutting which forms the site's southern boundary.
Licensed waste management site (landfill boundary)	None within 250m	Nearest is 380m north-east at Bedhampton Waterworks. Recorded wastes were non-biodegradable/inert waste types.
Licensed waste management facility (location)	None within 250m	409m south-east – metal recycling surrendered 23/09/2013 436m south-east – Havant Incinerator surrendered 26/11/2001 437m south-east Havant HWRC
Potentially infilled land (non-water)	One within 250m	Infilled pit/quarry 215m south-east.
Potentially infilled land (water)	None within 250m	-
LA recorded landfill	One in 500m	Broadmarsh site 215m south-east. This is located to the south of the railway cutting which forms the site's southern boundary.
Registered landfill site	One within 500m	393m south – civic amenity/refuse amenity waste. This is located to the south of the railway cutting which forms the site's southern boundary.
Registered waste transfer site	None within 250m	Nearest is 434m east – Havant Incinerator site recycling bays – dormant.
Waste Treatment/Disposal Sites	One within 500m	Havant Incinerator site – incineration – cancelled/defunct/lapsed.
BGS Recorded Mineral Sites	None within 250m	Belmont Farm Chalk Pit 350m north – opencast, ceased (part of a feature within a current residential area); and Bedhampton Chalk Pit 389m north-west – opencast, ceased (redeveloped as a housing development).

Table 2.3 Summary of waste sites

Whilst several waste treatment/disposal and landfill sites were identified to the south and south-east, these were (some distance) to the south of the railway cutting which formed the site's southern boundary. The cutting is considered to act as a natural barrier to migration of ground gas and thus potential sources on the opposite side (south) of the cutting are not considered plausible sources in the context of the subject site.

2.10 Radon

The BGS classify the site as being located within a lower probability radon area where less than 1% of homes are above the action level. The BGS record states that no radon protection measures are required in the construction of new dwellings on this site.

2.11 Geochemistry

Data obtained as part of the Envirocheck Report provides details on the estimated soil chemistry for natural soils in the vicinity of the site. The estimated quality of natural soils beneath the subject site is presented in Table 2.4.

Determinant	Concentration (mg/kg)	In Excess of SGV/GAC/C4SL*?
Arsenic	<15	No
Cadmium	<1.8	No
Chromium	60-90	No
Lead	<100	No
Nickel	15-30	No

NOTE: *Comparative SGV/GAC/C4SL concentrations are for a residential end use with plant uptake

Table 2.4 Summary of Site Geochemistry

It should be noted that these values are not necessarily representative of the site's soil chemistry and do not account for the potential presence of any Made Ground soils or historic site uses. Furthermore, some screening criteria are dependent on pH and soil organic matter content. Therefore, concentrations of specific determinants and the utilised S4UL/GAC/C4SL cannot be determined without site specific investigation and analysis.

2.12 Previous Ground Investigations

Geo-Environmental was not aware of any previous ground investigations undertaken on site.

2.13 Generic Contamination

The site appears to have been used as farmland since the earliest mapping, with an access track crossing through the site leading to a bridge and a field to the south of the railway cutting. The identified land uses are not covered by the National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (2008), which provides a summary of industry profiles (1995-1996) published by the former Department of the Environment (DoE) (now part of the Department for Environment, Food and Rural Affairs (DEFRA).

However, there is a potential for commonly occurring brownfield contaminants to be present in some areas of the site, e.g. due to importation and use of Made Ground soils to form and repair the access track crossing though the site, and elsewhere due to potential material deposition/spreading, aerial deposition or the like.

In addition, given that the site comprised farmland, commonly occurring pesticides might have been used, traces of which could be present in the near surface soils.

A 'Tank' was shown on historic mapping, as a circular silo type feature, between the Manor Farm Dairy buildings and the site boundary. Whilst this could well be a water tank, or similar its specific use cannot be verified and thus its historic presence should be taken into consideration as a potential source of contamination which might impact the north-western portion of the site if, for example, the tank was used to store fuel.

3.0 Preliminary Risk Assessment

A Preliminary Risk Assessment (PRA) and Conceptual Site Model (CSM) has 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 assessed following a source-pathway-receptor (SPR) approach in accordance with current UK protocols.

A risk may only exist where a plausible SPR linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. Under the statutory definition, "Contamination" may only strictly exist where contaminants pose a risk of harm to a receptor. Risk may be defined as a function of the likelihood and severity of any adverse effects arising from contamination. The risk classification has been assessed in accordance

with CIRIA C552 (Rudland et al., 2001). A summary of how the risks are derived and their definitions are presented in Tables 3.1 & 3.2 below.

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

Table 3.1 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 Ratings Definition

3.1 Possible Contamination Sources

Possible sources of contamination identified or discounted as part of the desk study are summarised in Table 3.3. As stated in Section 2.9, several waste disposal and landfill sites were identified to the south of the railway cutting on the site's southern boundary and/or to the east of the unnamed stream (a tributary of Hermitage Stream). The railway cutting and stream are considered to act as a permanent and passive barrier to gas migration, i.e. gas migration across these features is unrealistic. As such, these off-site waste sites/landfills are not considered further in this risk assessment.

Source	Description	Comments
Made Ground soils	General chemical quality of Made Ground soils. Possible aerial deposition of soot based pollutants from historic railway line along the site's southern boundary.	Possible elevated metals, organic and inorganic contaminants. Impact may be specific to given areas of the site such as the Made Ground along the access track crossing through the site.
Shallow natural soils	General background chemical quality of the near surface soils.	Possible elevated metals, organic and inorganic contaminants. Possible pesticide residue due to farming activities.
Off-site 'Tank'	Potential for leakage from the 'Tank' feature shown on historic mapping to the north of the site. The tank was circular in plan and so could have been a silo or similar. However, it has not been possible to rule out fuel storage.	Possible organic contaminants, e.g. petroleum hydrocarbons.

Table 3.3 Possible Sources of Contamination

3.2 Summary of Plausible Pathways

The plausible pathways are summarised below:

- direct contact (soil, dust and vegetable ingestion, dermal contact and dust inhalation);
- inhalation (ground gas/vapours within buildings);
- vertical and lateral migration including leaching;
- root uptake; and
- chemical attack of infrastructure (including water supply pipes) and building foundations.

Migration of ground gases across the railway cutting to the south of the site or stream to the east of the site is not considered plausible and thus has not been considered further within this risk assessment.

3.3 Summary of Plausible Receptors

Plausible receptors associated with the site and its development, identified or otherwise discounted, are summarised in Table 3.4.

Receptor	Description	Comments
End Users	Occupants of the proposed residential development.	The development is presumed to include housing with private gardens.
Adjacent Land Users	Sensitive land uses identified in proximity to the site.	Adjacent land uses include residential, recreational land or farmland.
Soft Landscaping	Areas of planting including lawns, shrubs, trees, etc.	Private gardens, as well as soft landscaped areas are presumed.
Water Supply Pipes	Plastics for potable water supply pipes may be laid in contact with contaminated soils.	Significant depths of Made Ground are not anticipated. Naturally occurring aggressive conditions could exist in shallow soils.
Buildings & Infrastructure	Buried concrete for foundations etc. may be laid in contact with contaminated/aggressive soils.	Significant depths of Made Ground are not anticipated. Naturally occurring aggressive conditions could exist in shallow soils.
Surface Water	Controlled Waters within lakes, rivers, ponds, etc., or coastal waters.	The nearest surface water body was a steam flowing north to south c. 55m to the

Receptor	Description	Comments
		east of the site.
Groundwater	Groundwater within the Secondary A Aquifer and underlying Principal Aquifer could be affected by gross/mobile soil contamination.	A Secondary A Aquifer and Principal Aquifer underlie the site and soil cover is classified as being of high leaching potential.

Table 3.4 Plausible Receptors of Contamination

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

Whilst the above sources and receptors have been identified, Table 3.5 summarises the identified plausible pollution linkages and a qualitative assessment of the risks based on the desk study research:

Potential Source/Media	Potential Receptors	Possible Pathways	Probability	Consequence	Risk & Justification
Made Ground Soils (likely to be specific areas of the site only, not site wide)	End Users	Direct and indirect contact	Low	Medium	**Moderate to Low** Future residents could potentially come into contact with Made Ground soils via direct contact in the garden or tracked back into the home. Exposure to Made Ground soils could represent a risk of harm to human health. If such exposure risks were identified, then remedial action could be required to mitigate the risk of harm, thereby reducing the human health risk post construction. It is anticipated that Made Ground would only be present within discrete areas of the site, e.g. along the farm access track and thus the risk of harm is not considered likely to be site wide.
	Adjacent Land Users	Direct contact	Unlikely	Minor	**Very Low** Adjacent site users are unlikely to come into contact with affected soils on site via direct contact.
	Soft Landscaping	Root uptake	Low	Minor	**Very Low** Soft landscaping is included within the proposed development. However, no evidence of harm to existing vegetation was observed on or around the site.
	Water Supply Pipes	Direct contact	Likely	Minor	**Low** Water supply pipes are unlikely to come into contact with impacted soils, although this is dependent on the depth of installation and extent of any soil impact.
	Buildings and Infrastructure	Direct contact	Likely	Minor	**Low** Foundations and utilities will be placed within soils. However, the consequence is anticipated to be minor and could be mitigated by selection and use of appropriate construction materials.
	Surface Water	Lateral Migration	Unlikely	Minor	**Very Low** No surface water bodies were present on site. Additionally, the presence of significant Made Ground deposits and/or associated mobile contamination is considered to be unlikely.
	Groundwater	Vertical Migration	Low	Minor	**Very Low** Shallow (<5m bgl) groundwater could be present, albeit likely to be discontinuous given that there is a railway cutting along the site's southern boundary. Gross or significantly mobile contamination is not anticipated. The superficial strata underlying the site are anticipated to include clay, or clay-rich soils and the underlying Chalk is likely to include a soil-like highly weathered upper profile which would inhibit migration.

Potential Source/Media	Potential Receptors	Possible Pathways	Probability	Consequence	Risk & Justification
Shallow Soils	End Users	Direct and indirect contact	Likely	Minor	**Low** Future residents are likely to come into contact with soils via direct contact in the garden or tracked back into the home. However, natural soils are not anticipated to represent a risk of harm to human health.
	Adjacent Land Users	Direct contact	Unlikely	Minor	**Very Low** Adjacent site users are unlikely to come into contact with affected soils on site via direct contact.
	Soft Landscaping	Root uptake	Low	Minor	**Very Low** Soft landscaping is included within the proposed development. However, no evidence of harm to existing vegetation was observed on or around the site.
	Water Supply Pipes	Direct contact	Likely	Minor	**Low** Water supply pipes are unlikely to come into contact with impacted natural soils.
	Buildings and Infrastructure	Direct contact	Likely	Minor	**Low** Foundations and utilities will be placed within shallow soils. However, the consequence is anticipated to be minor and could be mitigated by selection and use of appropriate construction materials.
	Surface Water	Lateral Migration	Unlikely	Minor	**Very Low** No surface water feature was present on site and the presence of mobile contamination associated with natural soils is considered unlikely.
	Groundwater	Vertical Migration	Unlikely	Minor	**Very Low** Shallow (<5m bgl) groundwater could be present, albeit likely to be discontinuous given that there is a railway cutting along the site's southern boundary. Gross or significantly mobile contamination is not anticipated. The superficial strata underlying the site are anticipated to include clay, or clay-rich soils and the underlying Chalk is likely to include a soil-like highly weathered upper profile which would inhibit migration.
Off-site 'Tank'	End Users	Direct and indirect contact	Unlikely	Mild	**Very Low** Future residents are unlikely to come into contact with the off-site tank. It is possible, dependent on the tank's use that mobile contamination could be present and this should be assessed through targeted investigation in the portion of the site closest to the tank. If the tank has been used to store potential contaminants then localised remediation may be required if any impact has extended on to the site. Given that the

Potential Source/Media	Potential Receptors	Possible Pathways	Probability	Consequence	Risk & Justification
					farm appears to no longer be in use any impact is likely to be residual, i.e. not a replenishing source.
	Adjacent Land Users	Direct contact	Unlikely	Minor	**Very Low** The potential source and receptors are both off-site. The proposed development is highly unlikely to create any migration pathway.
	Surface Water	Lateral Migration	-	-	This source is off-site and in the absence of an on-site receptor, no pollutant linkage has been established.
	Groundwater	Vertical Migration	-	-	**Very Low** Shallow (<5m bgl) groundwater could be present, albeit likely to be discontinuous. Gross or significantly mobile contamination is not anticipated. The superficial strata underlying the site are anticipated to include clay, or clay-rich soils and the underlying Chalk is likely to include a soil-like highly weathered upper profile which would inhibit migration to groundwater.

Table 3.5 Plausible Pollution Linkages

3.4 Preliminary Risk Assessment Summary

The Preliminary Risk Assessment (PRA) and Conceptual Site Model (CSM) developed from the information gathered as part of the desk study process have identified several plausible pollutant linkages that exist in relation to the proposed development of the site and the preliminary risk rating for most of the pollution linkages have been classified as low or very low, albeit with a moderate to low risk identified in relation to potential end user exposure to Made Ground soils (if present).

The potential pollutant linkages established within this desk study are not considered to prevent development on the subject site.

3.5 Geotechnical Condition

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 and any influence this might have on foundation design and construction.
- The presence of trees on and around the site which may impact upon foundation design and construction where shrinkable soils are present.
- The presence of laterally and vertically variable strata and the impact these could have on construction.
- The possible presence of shrinkable soils at shallow depth which could impact on foundation design.
- The potential for solution features to be present beneath the site and implications for roads, drainage and foundations.
- The ability of the ground to accept storm water discharge, e.g. via soakaways or SUDs solutions.

4.0 Investigation Strategy

The investigation strategy comprised providing general coverage of the site to assess ground and groundwater conditions and to support the geotechnical assessment. The investigation included:

- Construction of c. 5No. trial pits to depths of up to 3m bgl together with in-situ testing and sampling. At total of 8No. pits were excavated within the single day on site.
- Soakage testing in general accordance with BRE Digest 365 at two depths within selected pits. A total of four locations (two depths per location) were tested.
- Construction of c. 5No. dynamic sampler boreholes to depths of up to 5m bgl, depending on drilling conditions, using a self-propelled track mounted rig. A total of 6No. boreholes were constructed within the day on site.
- Installation of a 35mm diameter groundwater monitoring well to a depth of 5m bgl within three boreholes to facilitate winter groundwater monitoring. This was amended once on site to comprise installation of wells in all boreholes to provide coverage and also allow for some contingency in case farming activities such as ploughing destroyed any wells.
- Undertake in-situ CBR probing at intervals through the site to inform pavement design.
- Geotechnical laboratory testing on soil samples recovered from the exploratory holes to support the geotechnical assessment.
- Geochemical laboratory testing on near surface soils for a suite of commonly occurring brownfield contaminants (including asbestos screening of all samples).
- Provision of a Ground Appraisal Report detailing the ground and groundwater conditions encountered during the intrusive investigation, laboratory testing results, geotechnical assessment and contamination assessment.

5.0 Ground Conditions

The ground conditions encountered were consistent with those anticipated from the desk study, i.e. a mantle of Topsoil over River Terrace Deposits, with Chalk at depth. In addition, Made Ground was encountered within WS4 which was located within the alignment of the access track which crosses through the site. A summary of the encountered soil conditions is presented in Table 5.1.

Top (m bgl)	Base (m bgl)	Geology
0	0.9	MADE GROUND: Grey and white silty sand and brown clay with gravel of flint and brick [WS4 only]
0	0.24 – 0.40	TOPSOIL: Dark brown silty gravelly CLAY with rootlets
0.24 – 0.40	1.30 – 3.30	RIVER TERRACE DEPOSITS: Firm to stiff brown silty CLAY; Stiff orange-brown sandy silty gravelly CLAY; orange-brown clayey silty fine and medium SAND
1.30 – 3.30	5+	CHALK: Structureless CHALK composed of light brown and off-white silty matrix with very weak to moderately weak low density gravel to cobble sized clasts. CIRIA Graded Dm to Dc.

Table 5.1 Summary of Ground Conditions

The junction between the River Terrace Deposits and underlying Chalk was observed to be irregular in several of the exploratory holes, as described on the individual exploratory hole logs. No evidence of loose or voided ground was observed within the exploratory holes.

As identified in the desk study and PRA, an off-site tank was present to the north-west of the site. The potential for on-site impact from this tank was investigated by the positioning of WS1 at a point within the site closest to the tank location. No organoleptic evidence of any impact to the ground was identified.

For more detailed descriptions of the ground conditions at specific locations, reference should be made to the exploratory hole logs presented in Appendix B and the exploratory hole location plan presented in Figure 3.

6.0 Groundwater

Groundwater was not encountered within any of the exploratory holes during the intrusive investigation. Monitoring wells were installed in each of the boreholes to provide general coverage of the site and to facilitate winter groundwater monitoring. WS1 was located close to the off-site tank, WS4 was located in the area where Made Ground was encountered and WS6 was located close to the railway cutting. Wells were installed in boreholes WS2, WS3 and WS5 to increase general site coverage and to provide some contingency in case farming activities such as ploughing resulted in a loss of wells.

Whilst groundwater monitoring is ongoing, the results to date are summarised in Table 6.1.

Location	Standing depth (m bgl)	Comment
WS1	Dry	19/10/2017
	Dry	02/11/2017
WS2	Dry	19/10/2017
	4.90	02/11/2017
WS3	Not located	19/10/2017
	Not located	02/11/2017
WS4	Dry	19/10/2017
	Dry	02/11/2017
WS5	Not located	19/10/2017

Location	Standing depth (m bgl)	Comment
	Not located	02/11/2017
WS6	3.14	19/10/2017
	3.42	02/11/2017

Table 6.1 Summary of groundwater records

Whilst water was encountered within WS4 and WS6, both of which were installed in clay over structureless Chalk, the absence of water in other wells is considered likely to indicate that the water detected to date is either perched infiltrating rainfall within the monitoring well or discontinuous groundwater. The proximity of WS6 to the railway cutting would also indicate that a continuous, shallow groundwater body is unlikely.

It should be noted that changes in groundwater and perched water 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.

7.0 Ground Gases

The PRA did not identify any plausible ground gas pollutant linkages and thus ground gas monitoring was not required.

In addition, based on the information reviewed in the desk study, no pollutant linkages were identified in relation to radon gas.

8.0 Obstructions

No artificial obstructions were encountered on site during the intrusive works. However, obstructions elsewhere on site should not be discounted.

9.0 Geotechnical Testing and Assessment

The results of the laboratory geotechnical testing undertaken as part of the ground investigation are summarised in Table 9.1, with test results presented in Appendix C. The pH and sulphate results include the values from geochemical testing presented in Appendix D.

Parameter	Results
Moisture content (%)	13 – 24
Liquid Limit (%)	33 – 75
Plastic Limit (%)	17 – 24
Plasticity Index (%)	15 – 51
Modified Plasticity Index Ip' (%)	14 – 51
CBR [lab soaked test] (%)	4.5
pH	0.02 – 0.30
Water soluble sulphate (g/l)	6.5 – 8.2

Table 9.1 Summary of Geotechnical Laboratory Test Results

Testing on the more cohesive samples of the River Terrace Deposits indicated the samples tested to vary from low to high volume change potential as defined in NHBC Standards. It was not considered possible to zone the soils and thus the high volume change potential is recommended *en masse* for the River Terrace Deposits beneath the site.

CBR probing was undertaken at several locations on the site, with values generally in the range 1.5-3.0%. Some higher values were also recorded but were associated with the occasional presence of gravel and thus not

considered representative of the general soil mass as observed in exploratory holes.

A laboratory soaked CBR test was undertaken on a soil sample from the anticipated sub-grade formation in TP8 which was located in the vicinity of the proposed site access. A soaked CBR value of 4.5% was reported for this sample.

Soakage tests were undertaken within trial pits TP2, TP5, TP6 and TP7, as summarised in Table 9.2.

Location	Permeability (m/s)	Comment
TP2 shallow	-	Insufficient fall in water level to be able to derive a permeability value
TP2 deep	-	Insufficient fall in water level to be able to derive a permeability value
TP5 shallow	-	Insufficient fall in water level to be able to derive a permeability value
TP5 deep	-	Insufficient fall in water level to be able to derive a permeability value
TP6 shallow	-	Insufficient fall in water level to be able to derive a permeability value
TP6 deep	-	Insufficient fall in water level to be able to derive a permeability value
TP7 shallow	-	Insufficient fall in water level to be able to derive a permeability value
TP7 deep	-	Insufficient fall in water level to be able to derive a permeability value

Table 9.2 Summary of permeability test results

10.0 Engineering Considerations

The information within this section is based on the ground and groundwater conditions encountered within the exploratory holes and associated geotechnical testing. An indicative layout is presented in Figure 2.

10.1 Foundations

On the basis of the encountered ground conditions and results of geotechnical testing, it is considered that conventional foundations would be suitable for the proposed development, with foundations passing through any Made Ground, disturbed or reworked ground to terminate in the clay soils of the River Terrace Deposits, or extend into the underlying Chalk.

It is recommended that the soils of the River Terrace Deposits underlying the site are considered *en masse* to be of high volume change potential as defined in NHBC Standards and thus a minimum founding depth of 1.0m bgl is recommended. The underlying Chalk would be considered non-shrinkable but was present from depths in excess of the minimum depth in the River Terrace Deposits. If foundations are deepened to terminate in the Chalk, they should extend into the Chalk by a minimum of 300mm.

Based on the ground conditions encountered and results of in-situ testing, a net allowable bearing capacity of 100kPa is recommended for the clay soils of the River Terrace Deposits. A net allowable bearing capacity of 150kPa is recommended for the underlying structureless Chalk. Total settlement should remain within tolerable limits for the recommended allowable bearing capacities.

It is recommended that reinforcement is included within foundations on this site due to the variation in ground conditions, i.e. irregular junction between the River Terrace Deposits and Chalk, as observed in several of the exploratory holes.

Given the potential for foundations to be constructed within the zone of influence of trees in some portions of the site, it is possible that foundation bases would require to be stepped and as such, it is recommended that steps do not exceed 0.225m in height at any point and are at least 1.0m (lateral distance) away from any corner or node point on the foundations. Where this cannot be accommodated, the foundation should be formed at the greater depth.

Initial modelling using the NHBC Foundation Depth Calculator indicates that deepened foundations could be required in proximity to trees. This is dependent on the species, condition, water demand of the tree(s) and their distance from the proposed foundation. Possible foundation depth requirements are indicated in Figure 5.

Where foundations extend to depths in excess of 1.5m bgl, heave precaution measures should be included to the face of foundations in accordance with NHBC Standards Chapter 4.2.

It is recommended that foundation excavations be concreted or blinded as soon after excavation as possible. Where concreting could take place the following day it is recommended that excavations are not taken to full depth overnight and that the final 0.5m of cover is only removed immediately prior to concreting.

10.2 Excavations

Shallow excavations within the River Terrace Deposits are likely to remain relatively stable in the short term. Long and/or deep excavations are likely to become unstable in the short term, i.e. possibly during construction, and thus construction methodologies should avoid forming long and/or deep unsupported excavations. In addition, an excavation exclusion zone is likely to be required in proximity to the site's southern boundary with the railway cutting. Any proposed excavation (or construction) works in proximity to the railway cutting will require consultation and liaison with Network Rail's Asset Protection Management team.

In the event that excavations become unstable, the sides should either be shuttered or over-excavated to form stable battered sides. Long deep excavations may require some support, particularly if they are to be left open for long periods.

Ground works should always be designed in such a manner to avoid man entry into excavations. However, in the event that such works cannot be avoided or designed out, they should only be undertaken in accordance with a safe system of work, following an appropriate risk assessment and in accordance with any legislative requirements, e.g. Confined Spaces Regulations.

10.3 Floor Slabs

Given the presence of shrinkable strata beneath the site, suspended floor slabs are recommended.

10.4 Pavements

Based on the testing undertaken to date, a CBR value of 1.5% is recommended for preliminary pavement design for general estate roads. This takes account of in-situ testing, lab soaked CBR results and also Table C1 of TRL1132 (replicated as Table A in Appendix 3 of Hampshire County Council's companion document to Manual for Streets).

Any hard or soft spots in the formation level may induce reflective cracking in the pavement and allowance should be made for removing any slabs or other hard spots etc. that may be present.

10.5 Sulphates

The results of the sulphate tests indicate that buried concrete should be designed in accordance with DS-1 as defined within the BRE Special Digest 1, 2005. The pH analysis indicates that the ACEC Class corresponds to AC-1s. It is recommended that the advice of this publication be taken for the design and specification of all sub-surface concrete.

10.6 Soakaways

On the basis of the testing undertaken to date, it is considered that discharge of storm water to the ground might be achievable but that conventional shallow soakaways would not perform satisfactorily, e.g. unlikely to achieve a 50% drained condition within a 24 hour period. As such any discharge of storm water to the ground would require additional capacity for storage and attenuation of peak storm flow. Options may include infiltration basins (remote for the railway cutting), cellular storage, over-size trench soakaways, or disposal via alternative routes such as main drainage, riparian rights (if any exist) or the like.

Given the presence of Chalk with a highly irregular upper surface, soakaways should be located no closer than 10m from any structure or the railway cutting.

11.0 Environmental Risk Assessment

The desk study indicated that the site has comprised farmland and thus is essentially a greenfield land use. Nonetheless, Made Ground was anticipated and encountered along the alignment of the existing access track. This Made Ground was discrete in its presence and distinct in composition from the natural soils encountered elsewhere on the site.

Soil samples were recovered from exploratory holes and analysis selected to provide general coverage of the site for a range of commonly occurring brownfield contaminants. The suite also included asbestos identification on all samples submitted for any geochemical testing and screening for common pesticides on selected near surface soil samples.

With reference to the PRA, WS1 was located on the boundary closet to the off-site tank identified in the desk study. No organoleptic evidence of contamination was identified in the soils recovered from this exploratory hole.

11.1 Ground Gas vs. Human Health

In the absence of any plausible ground gas pollutant linkage, no further assessment or consideration of possible risk mitigation measures is warranted.

11.2 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 redevelopment. 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 Suitable for Use Levels (S4ULs) published by LQM, or against Category 4 Screening Levels (C4SL) published by Defra.

The analytical results were screened initially through direct comparison of the reported concentration with the respective S4UL or C4SL value. This process did not identify any exceedances in relation to the natural soils analysed. However, several exceedances of PAH compounds were identified in the Made Ground samples recovered from WS4 at 0.1m and 0.4m bgl, as summarised in Table 11.1. Given that Made Ground was encountered only in association with the access track crossing through the site, statistical assessment of the wider dataset was not appropriate and the results have been considered and assessed individually.

Determinant	Reported concentration (mg/kg)	S4UL/C4SL (mg/kg)	Sample
Benzo(a)anthracene	8.3	7.2	WS4 at 0.1m
Benzo(b)fluoranthene	9.3	2.6	WS4 at 0.1m
Benzo(a)pyrene	10.3 2.7	2.2/5.0	WS4 at 0.1m WS4 at 0.4m
Dibenz(a,h)anthracene	2.1 0.5	0.24	WS4 at 0.1m WS4 at 0.4m

Table 11.1 Summary of exceedances detected in Made Ground samples

As indicated in Table 11.1, PAH exceedance concentrations were higher in the 0.1m sample than the 0.4m sample and the concentration of benzo(a)pyrene in the 0.1m sample exceeded the C4SL value for a residential end use scenario. Laboratory examination of the Made Ground samples from WS4 recorded the presence of clinker and this could possibly be the source of the PAH concentrations detected.

In addition to analysis of Made Ground samples from WS4, a sample of the underlying natural soil was also analysed. No exceedances were identified in this underlying sample.

Asbestos screening was undertaken on the samples submitted for laboratory analysis and no asbestos was identified.

Selected near surface soil samples were also analysed for commonly occurring pesticides. The majority of results were below the laboratory's limit of detection and below relevant screening criteria. Whilst concentrations of dieldrin and endosulfan were detected in the sample of Topsoil from WS1 at 0.1-0.3m, the reported concentrations were substantially lower than the respective S4UL values.

Given that the Made Ground soils forming the access track have been shown to include PAH compounds at concentrations of concern, i.e. either exceeding the S4UL or the C4SL, it is considered that these soils are not suitable for retention under gardens and thus should be excavated and removed for any proposed areas of gardens or soft landscaping. If present beneath permanent hard cover, the hard cover would sever the exposure route, thereby breaking the pollutant linkage such that remedial action beneath hard cover would not be warranted.

The proposed development includes for the re-routing of the access track around the eastern and southern perimeter and thus the Made Ground soils currently forming the access track could be suitable for re-use in construction of the new track provided that they do not form the top wearing course. As such, any Made Ground removed from gardens could be suitable for re-use under this proposed new access track.

Excavation of Made Ground soils on this site should be undertaken in accordance with an approved Remediation Method Statement and include verification inspections and reporting. In addition, if Made Ground soils are to be reused this should be undertaken in accordance with a Materials Management Plan and the Definition of Waste Code of Practice (DoWCoP), as verified by a Qualified Person (as defined in DoWCoP).

On the basis of the testing undertaken, it is considered that the Topsoil on site would be suitable (in chemical terms) for reuse in the proposed garden and thus should be stripped and placed into a segregated stockpile for re-use, if/where it could otherwise be disturbed or lost during the proposed development.

11.3 Soil Contamination vs. Adjacent land Users

Surrounding land uses comprised farmland, open space and residential properties analogous with the proposed redevelopment of the site. The remedial action described above to mitigate the risks associated with the Made Ground around WS4 would also be protective of adjacent land users.

However, it is recommended that dust suppression techniques, e.g. damping down exposed soils, are employed during the site preparation 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.

11.4 Soil Contamination vs. Soft Landscaping

British Standard BS3882:2015 *Specification for topsoil and requirements for use* provides assessment criteria for a number of potentially phytotoxic contaminants in terms of new planting.

The results of the chemical analysis for determinants known to pose a potential phytotoxic risk to plant growth are summarised in Table 11.3, together with the respective adopted Generic Assessment Criteria (GAC) for plant growth. The compliance criteria set out in BS3882:2015 are pH dependent and thus the GAC used relate to the pH range measured on samples recovered from the site.

Determinant	Phytotoxicity GAC (mg/kg)			GAC Exceedances
	pH <6.0	pH 6.0-7.0	pH >7.0	
Zinc	200	200	300	No
Copper	100	135	200	No
Nickel	60	75	110	No

Table 11.3 Summary of Plant Phytotoxicity Assessment

The phytotoxicity assessment indicated that no concentrations exceed the assessment criteria for phytotoxicity. Therefore, no remedial measures to protect plants from phytotoxic effects are considered necessary for the proposed development.

11.5 Soil Contamination vs. Building Materials

The current guidance on selection of materials for water supply pipes to be laid in contaminated land is contained in UK Water Industry Research's (UKWIR) report reference 10/WM/03/21 (re-issued 2010). However, the guidance is not mandatory and there have been concerns raised by various industry technical associations regarding the document and the methodologies proposed. Although there are concerns regarding the document, in lieu of any further guidance in the first instance the results of this investigation have been compared with the proposed thresholds published in UKWIR Table 3.1. The results of the relevant chemical analyses indicate that all results were below the specific thresholds. Given that the desk study indicated this essentially to comprise a 'greenfield' site, it is considered that conventional water supply pipe could be suitable, provided that supply pipes are not laid within or through the Made Ground soils associated with the existing access track. It is therefore recommended that the results of this investigation be presented to the water utility company as soon as reasonably practicable in order to confirm the pipe material.

As a matter of good practice it is recommended that clean, granular backfill is used in service runs and that marker tapes are used for all buried services.

11.6 Soil Contamination vs. Surface Water

No evidence of gross soil impact or significant potentially mobile contaminants was recorded across the site as part of the investigation and testing.

Therefore, based on the ground conditions, coupled with the chemical results no further remedial works are considered necessary to protect surface water from soil contamination.

12.0 Waste Disposal

On the basis of the testing undertaken to date, it is considered possible that any surplus natural soils derived from the proposed development would be classified as inert waste for off-site disposal. However, further Waste Acceptance Criteria (WAC) testing would be required on any surplus Made Ground materials prior to confirmation of its waste classification and ultimate disposal options.

As noted in Section 11.2, a Materials Management Plan and Declaration by a Qualified Person (in accordance with DoWCoP) would be required for the re-use of Made Ground soils on this site. Any such works would be subject to verification during the course of the works and approval of a Completion Report.

13.0 Discovery Strategy

Whilst an intrusive investigation has been undertaken on the site, it remains possible that unexpected soil conditions may be encountered during the process of construction.

Should previously undiscovered conditions be encountered during construction by the ground workers, this should be reported to the site manager immediately in order that any necessary inspection may be made. Records should be kept, and samples submitted for analysis where conditions encountered are not as anticipated. The results of any such testing should be sent to the authorities for consultation.

A copy of the discovery 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.

Depending on the type, nature and extent of any such 'discovery', it may be necessary to halt works in that location until such time as the assessment has been completed. This should be reviewed on a 'discovery' specific basis and in conjunction with regulatory consultation.

As a general guide, where such unexpected conditions are encountered the following approach is recommended:

- All discoveries are to be reported to the Site Manager immediately and works at that location are to halt until further notice;
- The Site Manager is to report any such discoveries to the Client and the Environmental Consultant;
- Following notification from the Site Manager, the Environmental Consultant shall discuss the discovery with the Local Authority and if considered necessary, arrange to meet an Officer on site to view the discovery;
- The Environmental Consultant shall attend the site to record the location, extent and nature of the discovery and implement an appropriate sampling and analysis regime, taking due account of the type and nature of the discovery, known and probable land uses in that area of the site;
- Where remedial action is required, regulatory consultation and approval will be sought;
- A record will be produced by the Environmental Consultant and held on site (with copies held by the Environmental Consultant, Client and Local Authority), detailing the discovery, assessment works undertaken, findings thereof, confirmation either of no action required or detailing the remedial action taken and validation thereof.

The process is shown below.

Chart 1 Discovery Strategy Process

Caveat

The data collected from the investigations have been used to provide an interpretation of the geo-environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained.

Geo-Environmental Service Limited takes no responsibility for conditions that either have not been revealed in the available records, or that occurs 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.

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

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. Such reservations have been indicated in the text where such conditions are considered to apply.

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

FIGURES



Project:	Manor Farm, Lower Road, Bedhampton			**Title**	Site Location Plan
Client:	Bargate Homes			**Geo-Environmental Services Ltd** **Unit 7 Danworth Farm, Cuckfield Road** **Hurstpierpoint, West Sussex BN6 9GL** **+44(0)1273 832972 www.gesl.net**	Geo-Environmental
Ref No:	GE16507	**Revision:**	1.0		
Drawn:	GR	**Date:**	08/11/2017		
Figure:	1	**Scale:**	Not To Scale		

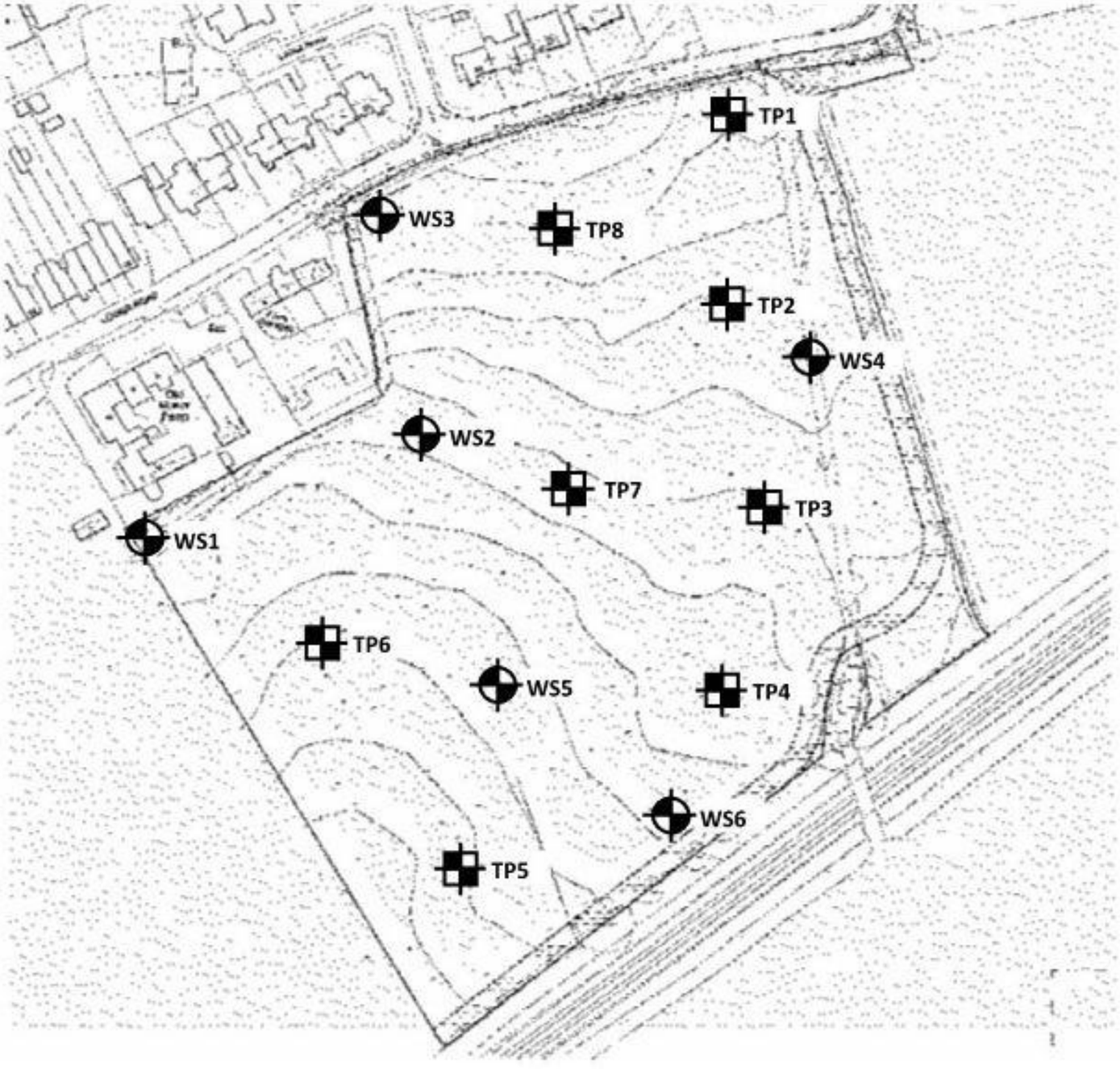
Manor Farm- Bedhampton



Project:	Manor Farm, Lower Road, Bedhampton	**Title**	Indicative Development Layout
Client:	Bargate Homes		
Ref No:	GE16507	**Revision:**	1.0
Drawn:	GR	**Date:**	08/11/2017
Figure:	2	**Scale:**	Not To Scale

Geo-Environmental Services Ltd
Unit 7 Danworth Farm, Cuckfield Road
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

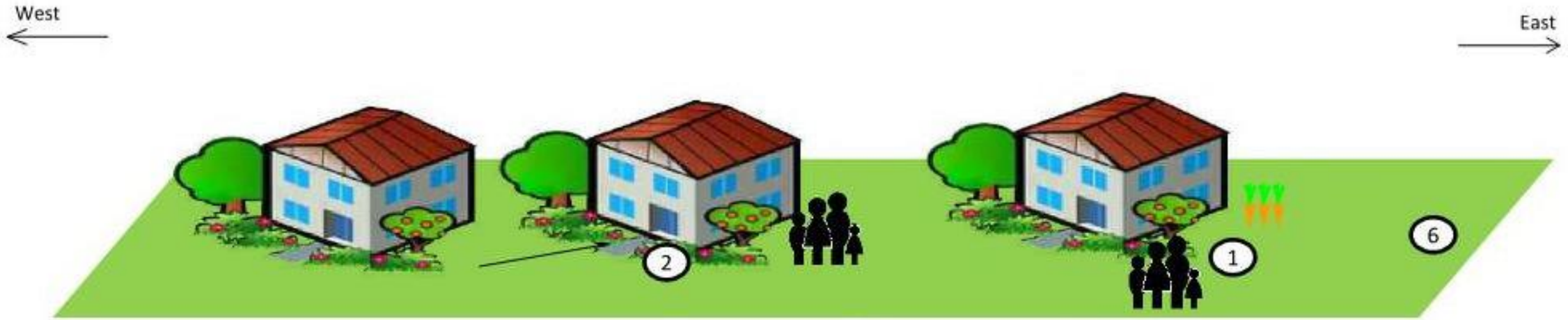
Geo-Environmental



Project:	Manor Farm, Lower Road, Bedhampton			**Title**	Exploratory Hole Location Plan
Client:	Bargate Homes			**Geo-Environmental Services Ltd** **Unit 7 Danworth Farm, Cuckfield Road** **Hurstpierpoint, West Sussex BN6 9GL** **+44(0)1273 832972 www.gesl.net**	Geo-Environmental
Ref No:	GE16507	**Revision:**	1.0		
Drawn:	GR	**Date:**	08/11/2017		
Figure:	3	**Scale:**	Not To Scale		

Possible Pollutant Linkages:

1. Direct contact with contaminated soils, ingestion of contaminated soils (risk to be mitigated by removal of Made Ground from gardens)
2. Inhaltion of soil dusts indoor and outdoor
3. Vertical and lateral migration through permeable strata and with groundwater
4. Shallow groundwater (likely to be discontinuous at shallow depth) vertical and lateral migration
5. Chemical attack of buried plastics and concrete
6. Made Ground removed from current access track route and used as sub-base in new access track on site's eastern and southern perimeter



Project:	Manor Farm, Lower Road, Bedhampton			**Title**	Conceptual Site Model (for proposed residential development)
Client:	Bargate Homes			**Geo-Environmental Services Ltd** **Unit 7 Danworth Farm, Cuckfield Road** **Hurstpierpoint, West Sussex BN6 9GL** **+44(0)1273 832972 www.gesl.net**	Geo-Environmental
Ref No:	GE16507	**Revision:**	1.0		
Drawn:	GR	**Date:**	08/11/2017		
Figure:	4	**Scale:**	Not To Scale		



PAH contaminated Made Ground in existing access track. Recommended that Made Ground is excavated and re-used as sub-base for new access track on eastern and southern perimeters. Subject to RMS, MMP and DoWCoP Declaration

Possible tree influence on foundation depth (see table below). This is indicative only and should be clarified by the foundation designer

Foundation distance from tree	Min. foundation depth
<5m	>2.5m
5m	2.46m
10m	1.42m
15m	1.0m

Possible easement or development restrictions applied by Network Rail. Also a possible no drainage zone to the rear of the railway cutting

Project:	Manor Farm, Lower Road, Bedhampton			**Title**	Constraints Plan
Client:	Bargate Homes			**Geo-Environmental Services Ltd** **Unit 7 Danworth Farm, Cuckfield Road** **Hurstpierpoint, West Sussex BN6 9GL** **+44(0)1273 832972 www.gesl.net**	Geo-Environmental
Ref No:	GE16507	**Revision:**	1.0		
Drawn:	GR	**Date:**	08/11/2017		
Figure:	5	**Scale:**	Not To Scale		

Geo-Environmental

APPENDIX A

Desk Study Information

Geo-Environmental

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
138907560_1_1

Customer Reference:
GE16507

National Grid Reference:
470030, 106130

Slice:
A

Site Area (Ha):
3.95

Search Buffer (m):
1000

Site Details:

Development Site at Old Manor Farm, 13
Lower Road
HAVANT
PO9 3NB

Client Details:

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

Geo-Environmental

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	52
Hazardous Substances	-
Geological	63
Industrial Land Use	68
Sensitive Land Use	85
Data Currency	86
Data Suppliers	92
Useful Contacts	93

Introduction

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

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

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v53.0

Geo-Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		2	9	68
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 23				5
Local Authority Integrated Pollution Prevention And Control	pg 24			1	2
Local Authority Pollution Prevention and Controls	pg 24			4	7
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 26		Yes		
Pollution Incidents to Controlled Waters	pg 26	1		2	10
Prosecutions Relating to Authorised Processes	pg 28				2
Registered Radioactive Substances	pg 28				6
River Quality	pg 29			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 29				1
Water Abstractions	pg 30			6	3
Water Industry Act Referrals					
Groundwater Vulnerability	pg 32	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Source Protection Zones	pg 32		1	1	
Extreme Flooding from Rivers or Sea without Defences	pg 32		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 36		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 40		27	11	65

Geo-Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 52			1	
Historical Landfill Sites	pg 52		1		2
Integrated Pollution Control Registered Waste Sites	pg 52			3	
Licensed Waste Management Facilities (Landfill Boundaries)	pg 53			2	
Licensed Waste Management Facilities (Locations)	pg 53			3	12
Local Authority Landfill Coverage	pg 57	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 57		1		1
Potentially Infilled Land (Non-Water)	pg 57		1	1	3
Potentially Infilled Land (Water)	pg 57		1	1	6
Registered Landfill Sites	pg 58			1	1
Registered Waste Transfer Sites	pg 59			1	3
Registered Waste Treatment or Disposal Sites	pg 61			1	2
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Geo-Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 63	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 63	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 63			2	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities	pg 64			2	
Non Coal Mining Areas of Great Britain	pg 65	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 65		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 65	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 66	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 67	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 67	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 68		3	18	83
Fuel Station Entries	pg 77				2
Points of Interest - Commercial Services	pg 77			3	24
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 79		2	4	25
Points of Interest - Public Infrastructure	pg 82		6	5	13
Points of Interest - Recreational and Environmental	pg 84			2	2
Gas Pipelines					
Underground Electrical Cables					

Geo-Environmental

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 85				1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 85	1			
Ramsar Sites	pg 85				1
Sites of Special Scientific Interest	pg 85				1
Special Areas of Conservation	pg 85				1
Special Protection Areas	pg 85				1
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	0	1	470000 106130
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (SW)	0	1	470028 106130
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	26	1	470050 106000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	77	1	470028 105900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	126	1	469800 106000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	187	1	470028 106450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	188	1	470050 105800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	205	1	470150 105850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	226	1	470000 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	226	1	470150 105800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	229	1	469950 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	235	1	469700 106000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	237	1	470200 105850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	242	1	469900 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	276	1	470000 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	278	1	469950 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	279	1	469650 106000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	292	1	469800 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	297	1	470000 106550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	301	1	470300 105850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	307	1	469850 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	308	1	470250 105800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SW)	332	1	469800 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	335	1	469700 105800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	346	1	470250 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	346	1	469750 106500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	347	1	469600 105950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	378	1	470300 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	381	1	469650 106450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	388	1	469850 106600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	401	1	470400 105800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	402	1	469750 105650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	411	1	470150 105600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	413	1	469650 106500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	416	1	470300 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	418	1	469500 106250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	420	1	470250 105650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	422	1	469600 106450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	426	1	470000 105550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	426	1	470028 105550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	434	1	469650 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	435	1	469500 106300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	447	1	469600 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	451	1	469600 106500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	453	1	470300 105650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	455	1	469450 106200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	457	1	470250 105600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	457	1	469500 106350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	466	1	469450 106250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	474	1	469600 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	476	1	470000 105500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	490	1	469550 105750
1	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bedhampton Hill, Bedhampton Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A00315 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 6th March 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	145	2	469840 106310
2	**Discharge Consents** Operator: Mr D & Mrs J Kelly Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Old Mill House, Mill Lane, Bedhampton, Havant, Hampshire, Po9 3jh Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D01551 Permit Version: 1 Effective Date: 2nd July 1987 Issued Date: 2nd July 1987 Revocation Date: 18th April 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A13SE (E)	171	2	470320 106080
3	**Discharge Consents** Operator: Hanson Quarry Products Ltd Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE Location: Land At Bedhampton Quay, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P03515 Permit Version: 2 Effective Date: 13th June 1997 Issued Date: 13th June 1997 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	368	2	470320 105780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Pioneer Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE Location: Land At Bedhampton Quay, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P03515 Permit Version: 1 Effective Date: 4th June 1991 Issued Date: 4th June 1991 Revocation Date: 13th June 1997 Discharge Type: Trade Effluent Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	368	2	470320 105780
4	**Discharge Consents** Operator: De La Rue Systems Property Type: Undefined Or Other Location: High Technology Campus, Langstone Gate, Solent Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00174 Permit Version: 1 Effective Date: 7th August 1985 Issued Date: 7th August 1985 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	412	2	470530 105950
4	**Discharge Consents** Operator: De La Rue Systems Property Type: Undefined Or Other Location: High Technology Campus, Langstone Gate, Solent Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00174 Permit Version: 1 Effective Date: 7th August 1985 Issued Date: 7th August 1985 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	427	2	470550 105960
4	**Discharge Consents** Operator: De La Rue Systems Property Type: Undefined Or Other Location: High Technology Campus, Langstone Gate, Solent Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00174 Permit Version: 1 Effective Date: 7th August 1985 Issued Date: 7th August 1985 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	442	2	470570 105970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: De La Rue Systems Property Type: Undefined Or Other Location: High Technology Campus, Langstone Gate, Solent Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00174 Permit Version: 1 Effective Date: 7th August 1985 Issued Date: 7th August 1985 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	440	2	470580 106010
5	**Discharge Consents** Operator: De La Rue Systems Property Type: Undefined Or Other Location: High Technology Campus, Langstone Gate, Solent Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00174 Permit Version: 1 Effective Date: 7th August 1985 Issued Date: 7th August 1985 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	448	2	470580 105980
5	**Discharge Consents** Operator: De La Rue Systems Property Type: Undefined Or Other Location: High Technology Campus, Langstone Gate, Solent Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00174 Permit Version: 1 Effective Date: 7th August 1985 Issued Date: 7th August 1985 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (E)	452	2	470590 106000
6	**Discharge Consents** Operator: Hopkins Recycling Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Havant Hw Recycling Centre, Harts Farm Way, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P07333 Permit Version: 1 Effective Date: 12th September 2000 Issued Date: 12th September 2000 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	483	2	470500 105780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Hampshire Country Council Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: OLD HAVANT INCINERATOR SITE, HARTS FARM WAY, HAVANT, HAMPSHIRE Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P07788 Permit Version: 1 Effective Date: 10th December 1999 Issued Date: 10th December 1999 Revocation Date: 20th June 2014 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	505	2	470500 105750
7	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Park Lane, Bedhampton Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A00316 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 14th January 1993 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	504	2	470600 106350
8	**Discharge Consents** Operator: Aep (Hampshire) Ltd (Hmip) Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Brockhampton Incinerator, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Ag8276 Permit Version: 1 Effective Date: 13th May 1993 Issued Date: 13th May 1993 Revocation Date: 6th March 1998 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	525	2	470640 105920
9	**Discharge Consents** Operator: Alfred Stent & Son (Havant) Ltd Property Type: Undefined Or Other Location: Brockhampton Stream Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: H02821 Permit Version: 1 Effective Date: 12th April 1957 Issued Date: 12th April 1957 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	539	2	470590 105800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: Hampshire Waste Services Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Havant Incinerator, Harts Farm Way, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01273 Permit Version: 1 Effective Date: 5th January 1978 Issued Date: 5th January 1978 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	544	2	470580 105780
10	**Discharge Consents** Operator: Tarmac Trading Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Bedhampton Quay, Harts Farm Way Bedhampton Quay, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: G01127 Permit Version: 1 Effective Date: 2nd April 2007 Issued Date: 2nd April 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	574	2	470510 105667
11	**Discharge Consents** Operator: Solent Aggregates Ltd Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Bedhampton Quay, Harts Farm Way Bedhampton Quay, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: G01141 Permit Version: 1 Effective Date: 3rd July 2007 Issued Date: 3rd July 2007 Revocation Date: 30th August 2013 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Saline Estuary Receiving Water: Hermitage Stream **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	586	2	470429 105567
12	**Discharge Consents** Operator: Kingscroft Management Limited Property Type: Undefined Or Other Location: Kingscroft Court, Marples Way Kingscroft Court, Marples Way, Havant, Hampshire, Po9 1ls Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: P00398 Permit Version: 1 Effective Date: 20th February 1986 Issued Date: 20th February 1986 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	602	2	470750 106040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Discharge Consents** Operator: Scottish & Southern Energy Plc Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: 132/133kv Substation, Harts Fm Way Scottish & Southern Energy Ltd, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: G00517 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	631	2	470647 105723
13	**Discharge Consents** Operator: Scottish & Southern Energy Plc Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: 132/133kv Substation, Harts Fm Way Scottish & Southern Energy Ltd, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: G00517 Permit Version: 1 Effective Date: 14th June 2005 Issued Date: 14th June 2005 Revocation Date: 20th December 2012 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	631	2	470647 105723
14	**Discharge Consents** Operator: SOUTHERN WATER SERVICES LTD Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wtw, Southmoor Lane, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A00915 Permit Version: 1 Effective Date: 28th October 1999 Issued Date: 28th October 1999 Revocation Date: 7th August 2003 Discharge Type: Groundwater - Unspecified Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	668	2	470600 105620
15	**Discharge Consents** Operator: Southern Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Havant Ceo Southmoor Lane, Havant, -, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: A00752 Permit Version: 2 Effective Date: 20th May 2016 Issued Date: 20th May 2016 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Saline Estuary Receiving Water: Brockhampton Creek **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	683	2	470670 105670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: J M Bussell Ltd. Property Type: Undefined Or Other Location: Harts Farm Way, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00366 Permit Version: 1 Effective Date: 24th February 1986 Issued Date: 24th February 1986 Revocation Date: 27th September 2005 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Consent revoked: Discharge ceased (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	689	2	470710 105710
16	**Discharge Consents** Operator: O.C. Summers Ltd. Property Type: Undefined Or Other Location: Harts Farm Way, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01222 Permit Version: 1 Effective Date: 30th January 1980 Issued Date: 30th January 1980 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	692	2	470720 105720
16	**Discharge Consents** Operator: Southern Water Services Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Havant Ceo Southmoor Lane, Havant, -, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: A00752 Permit Version: 1 Effective Date: 10th June 2002 Issued Date: 10th June 2002 Revocation Date: 19th May 2016 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Saline Estuary Receiving Water: Brockhampton Creek **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	703	2	470720 105700
16	**Discharge Consents** Operator: Southern Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Sewage Disposal Works, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: A00752 Permit Version: 1 Effective Date: 10th June 2002 Issued Date: 10th June 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	703	2	470720 105700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: The Occupier Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Sewage Disposal Works, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01182 Permit Version: 1 Effective Date: 10th April 1969 Issued Date: 10th April 1969 Revocation Date: 31st March 1997 Discharge Type: Non Water Company (Private) Sewage Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	703	2	470720 105700
16	**Discharge Consents** Operator: A & J Bull (Southern) Ltd Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Lorry Park West Of Southmoor Lan, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P07079r Permit Version: 1 Effective Date: 13th May 1998 Issued Date: 13th May 1998 Revocation Date: 1st November 2010 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	706	2	470750 105740
16	**Discharge Consents** Operator: Goldail Ltd. Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Lorry Park West Of Southmoor Lan, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P02498 Permit Version: 2 Effective Date: 18th January 1996 Issued Date: 18th January 1996 Revocation Date: 31st March 1997 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	706	2	470750 105740
16	**Discharge Consents** Operator: Goldail Ltd. Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Lorry Park West Of Southmoor Lan, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02498 Permit Version: 1 Effective Date: 3rd August 1989 Issued Date: 3rd August 1989 Revocation Date: 18th January 1996 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	706	2	470750 105740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Discharge Consents** Operator: Seven Springs Ltd Property Type: WHOLESALE TRADE (NOT MOTOR VEHICLES) Location: Seven Springs Ltd, The Bottling Plant, Ranelagh Road, Bedhampton, Havant Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P07982 Permit Version: 1 Effective Date: 2nd June 2000 Issued Date: 2nd June 2000 Revocation Date: 14th November 2003 Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	696	2	470840 106230
18	**Discharge Consents** Operator: Hanson Aggregates Uk Property Type: Undefined Or Other Location: Bedhampton Plant, Harts Farm Way, HAVANT, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: P04007 Permit Version: 1 Effective Date: 28th January 1992 Issued Date: 28th January 1992 Revocation Date: 25th February 2009 Discharge Type: Trade Discharge - Process Water Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	697	2	470510 105510
18	**Discharge Consents** Operator: Tarmac Trading Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Bedhampton Quay, Harts Farm Way Bedhampton Quay, Harts Farm Way, Havant, Hampshire, Po9 1jn Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: P03532 Permit Version: 1 Effective Date: 4th June 1991 Issued Date: 4th June 1991 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Mineral Workings Discharge Environment: Saline Estuary Receiving Water: Brockhampton Stream **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	697	2	470510 105510
19	**Discharge Consents** Operator: Kingscroft Management Limited Property Type: Undefined Or Other Location: Kingscroft Court, Marples Way Kingscroft Court, Marples Way, Havant, Hampshire, Po9 1ls Authority: Environment Agency, Southern Region Catchment Area: Bidbury/Hermitage Streams Reference: P00398 Permit Version: 1 Effective Date: 20th February 1986 Issued Date: 20th February 1986 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	711	2	470860 106040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Discharge Consents** Operator: North Shore Yacht Yards Ltd. Property Type: Undefined Or Other Location: Boshampton Lane, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01265 Permit Version: 1 Effective Date: 5th May 1978 Issued Date: 5th May 1978 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	764	2	470880 105880
21	**Discharge Consents** Operator: Dr F A Stowell Property Type: Undefined Or Other Location: Hulbert Road, Bedhampton Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01000 Permit Version: 1 Effective Date: 13th April 1962 Issued Date: 13th April 1962 Revocation Date: 31st March 1997 Discharge Type: Non Water Company (Private) Sewage Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	776	2	470000 107040
22	**Discharge Consents** Operator: Havant Business Centre Management Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Nursery Units At Harts Farm Way, (South Side), Brockhampton, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01080 Permit Version: 1 Effective Date: 26th November 1984 Issued Date: 26th November 1984 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	783	2	470850 105760
23	**Discharge Consents** Operator: Wiggins Homes Group Plc. Property Type: Undefined Or Other Location: Manor Court, Brockhampton Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02242 Permit Version: 1 Effective Date: 31st July 1989 Issued Date: 31st July 1989 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	798	2	470950 106080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Discharge Consents** Operator: Seward (Havant) Ltd. Property Type: Undefined Or Other Location: Millington Fields Site, West Street, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01098 Permit Version: 1 Effective Date: 18th May 1983 Issued Date: 18th May 1983 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	831	2	470890 106530
25	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 12 Effective Date: 31st August 2011 Issued Date: 31st August 2011 Revocation Date: 30th March 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	846	2	470779 105548
25	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 12 Effective Date: 31st August 2011 Issued Date: 31st August 2011 Revocation Date: 30th March 2012 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	846	2	470779 105548
26	**Discharge Consents** Operator: Wiggins Homes Group Plc. Property Type: Undefined Or Other Location: Manor Court, Brockhampton Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02242 Permit Version: 1 Effective Date: 31st July 1989 Issued Date: 31st July 1989 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	867	2	471020 106140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Discharge Consents** Operator: Wiggins Homes Group Plc. Property Type: Undefined Or Other Location: Manor Court, Brockhampton Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02242 Permit Version: 1 Effective Date: 31st July 1989 Issued Date: 31st July 1989 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	878	2	471030 106150
26	**Discharge Consents** Operator: Wiggins Homes Group Plc. Property Type: Undefined Or Other Location: Manor Court, Brockhampton Road, Havant Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02242 Permit Version: 1 Effective Date: 31st July 1989 Issued Date: 31st July 1989 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A15NW (E)	889	2	471040 106170
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 10 Effective Date: 25th March 2010 Issued Date: 25th March 2010 Revocation Date: 30th March 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 11 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: 31st March 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 9 Effective Date: 5th October 2009 Issued Date: 5th October 2009 Revocation Date: 24th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 4th October 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 4th October 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 6 Effective Date: 31st March 2008 Issued Date: 6th March 2008 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SE (SE)	933	2	470750 105400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 6 Effective Date: 31st March 2008 Issued Date: 6th March 2008 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 7 Effective Date: 1st April 2012 Issued Date: 6th March 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 7 Effective Date: 1st April 2012 Issued Date: 6th March 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 5 Effective Date: 20th December 2005 Issued Date: 20th December 2005 Revocation Date: 30th March 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Consent Currently Under Appeal** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 4 Effective Date: 15th December 2005 Issued Date: 15th December 2005 Revocation Date: 19th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 3 Effective Date: 14th December 2004 Issued Date: 14th December 2004 Revocation Date: 14th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	933	2	470750 105400
27	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 1 Effective Date: 10th June 2002 Issued Date: 10th June 2002 Revocation Date: 3rd September 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SE (SE)	933	2	470750 105400
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 11 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: 31st March 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 11 Effective Date: 31st March 2012 Issued Date: 25th March 2010 Revocation Date: 31st March 2012 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 10 Effective Date: 25th March 2010 Issued Date: 25th March 2010 Revocation Date: 30th August 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 10 Effective Date: 25th March 2010 Issued Date: 25th March 2010 Revocation Date: 30th August 2011 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 9 Effective Date: 5th October 2009 Issued Date: 5th October 2009 Revocation Date: 24th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 9 Effective Date: 5th October 2009 Issued Date: 5th October 2009 Revocation Date: 24th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 4th October 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 6 Effective Date: 31st March 2008 Issued Date: 6th March 2008 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Lavant Reference: A00751 Permit Version: 7 Effective Date: 1st April 2012 Issued Date: 6th March 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 5 Effective Date: 20th December 2005 Issued Date: 20th December 2005 Revocation Date: 30th March 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Consent Currently Under Appeal** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 5 Effective Date: 20th December 2005 Issued Date: 20th December 2005 Revocation Date: 30th March 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent/Langstone Harbour **Status: Consent Currently Under Appeal** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 4 Effective Date: 15th December 2005 Issued Date: 15th December 2005 Revocation Date: 19th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 4 Effective Date: 15th December 2005 Issued Date: 15th December 2005 Revocation Date: 19th December 2005 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 3 Effective Date: 14th December 2004 Issued Date: 14th December 2004 Revocation Date: 14th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 3 Effective Date: 14th December 2004 Issued Date: 14th December 2004 Revocation Date: 14th December 2005 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 2 Effective Date: 3rd September 2002 Issued Date: 3rd September 2002 Revocation Date: 13th December 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 2 Effective Date: 3rd September 2002 Issued Date: 3rd September 2002 Revocation Date: 13th December 2004 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 1 Effective Date: 10th June 2002 Issued Date: 10th June 2002 Revocation Date: 3rd September 2002 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	982	2	470680 105280
28	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire, Po9 1jw Authority: Environment Agency, Southern Region Catchment Area: Solent Reference: A00751 Permit Version: 1 Effective Date: 10th June 2002 Issued Date: 10th June 2002 Revocation Date: 3rd September 2002 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Saline Estuary Receiving Water: The Solent Or Langstone Harbr **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	982	2	470680 105280
29	**Discharge Consents** Operator: Havant & Waterloo U.D.C. Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Bedhampton Storm Water Overflows, Storm Water Overflows, Bedhampton, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01485 Permit Version: 1 Effective Date: 12th October 1962 Issued Date: 12th October 1962 Revocation Date: 31st March 1997 Discharge Type: Unknown Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A23SE (N)	982	2	470170 107250
30	**Discharge Consents** Operator: SOUTHERN WATER SERVICES LTD Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Budds Farm Wwtw, Southmoor Lane, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: A00914 Permit Version: 1 Effective Date: 28th October 1999 Issued Date: 28th October 1999 Revocation Date: 7th August 2003 Discharge Type: Groundwater - Unspecified Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	993	2	470580 105180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Integrated Pollution Prevention And Control** Name: Portsmouth Water Ltd Location: Bedhampton Landfill, Bedhampton Waterworks, Meyrick Road,,, Havant, Hampshire, PO9 1NN Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: NP3439PN Original Permit Ref: Np3439pn Effective Date: 21st April 2005 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 100m Activity Code: 5.2 A(1) (B) Activity Description: Waste Landfilling; Any Other Landfill To Which The 2002 Landfill Regulations Apply Primary Activity: Y	A14NW (NE)	513	2	470600 106390
32	**Integrated Pollution Prevention And Control** Name: Portsmouth Water Ltd Location: Bedhampton Landfill, Bedhampton Waterworks, Meyrick Road,,, Havant, Hampshire, PO9 1NN Authority: Environment Agency, Southern Region Permit Reference: BP3635UL Original Permit Ref: Np3439pn Effective Date: 31st March 2008 **Status:** **Revoked** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned within the geographical locality Activity Code: 5.2 A(1) (B) Activity Description: Waste Landfilling; Any Other Landfill To Which The 2002 Landfill Regulations Apply Primary Activity: Y	A14NW (E)	552	2	470680 106282
33	**Integrated Pollution Prevention And Control** Name: Southern Water Services Ltd Location: Budds Farm Wastewater Treatment Works Combined Heat And Power Plant, Budds Farm Wastewater Treatment Works, Budds Farm,Southmoor,, Havant, Hampshire, PO9 1JW Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: ZP3235XJ Original Permit Ref: Zp3235xj Effective Date: 15th October 2008 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 100m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 1.1 A(1) (B) (III) Activity Description: Combustion; Waste Derived Fuel Greater Or Equal To 3Mw But Less Than 50Mw Primary Activity: Y	A9NW (SE)	824	2	470700 105500
33	**Integrated Pollution Prevention And Control** Name: Southern Water Services Ltd Location: Budds Farm Water Treatment Works, Southmoor Lane, Havant, Hampshire, PO9 1JW Authority: Environment Agency, Southern Region Permit Reference: ZP3235XJ Original Permit Ref: Zp3235xj Effective Date: 15th October 2008 **Status:** **Effective** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 1.1 A(1) (B) (III) Activity Description: Combustion; Waste Derived Fuel Greater Or Equal To 3Mw But Less Than 50Mw Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A9NE (SE)	824	2	470711 105510

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	**Integrated Pollution Prevention And Control** Name: Portsmouth Water Ltd Location: Bedhampton Waterworks, Meyrick Road, Havant, Hampshire, Po9 1nn Authority: Environment Agency, Southern Region Permit Reference: Np3439pn Original Permit Ref: Np3439pn Effective Date: 21st April 2005 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 5.2 A(1) (B) Activity Description: Waste Landfilling; Any Other Landfill To Which The 2002 Landfill Regulations Apply Primary Activity: Y	A14NE (E)	837	2	470953 106361
35	**Local Authority Integrated Pollution Prevention And Control** Name: Portsmouth Water Ltd Location: Bedhampton Landfill, Meyrick Road, Bedhampton, PO11 Authority: Havant Borough Council, Environmental Health Department Permit Reference: EA/EPR/NP3439N Dated: 15th March 2005 Process Type: Waste Management Description: Not Supplied **Status: Permit Issued** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	500	3	470596 106349
36	**Local Authority Integrated Pollution Prevention And Control** Name: Hanson Aggregates Location: Bedhampton Quay, Harts Farm Way, Havant, Hampshire, PO9 1JN Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/3.1/1 Dated: Not Supplied Process Type: Mineral Industries Description: PG3/1 Concrete Batching **Status: Permit Issued** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	605	3	470498 105619
36	**Local Authority Integrated Pollution Prevention And Control** Name: Tarmac Southern Ltd Location: Bedhampton Quay, Harts Farm Way, Havant, Hampshire, PO9 1JN Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/3.1/2 Dated: Not Supplied Process Type: Mineral Industries Description: PG3/1 Concrete Batching **Status: Permit Issued** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	605	3	470498 105619
37	**Local Authority Pollution Prevention and Controls** Name: Hopkins Recycling Ltd Location: Harts Farm Way, Havant, Hants, Po9 1jn Authority: Havant Borough Council, Environmental Health Department Permit Reference: EA/EPR/BB3538AG/A001 Dated: 2nd March 2012 Process Type: Local Authority Pollution Prevention and Control Description: Part B process (no specific reference) **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	463	3	470522 105837
37	**Local Authority Pollution Prevention and Controls** Name: L&S Waste Management Ltd Location: Farlington Redoubt, Portsdown Hill Road, Havant, Po6 1bw Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/10/00354 Dated: 4th May 2010 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	463	3	470522 105837
37	**Local Authority Pollution Prevention and Controls** Name: Conroys Recycling Ltd Location: Harts Farm, Havant, Hampshire, Po9 1jn Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/EPR/13/01820 Dated: 10th February 2014 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	474	3	470506 105800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**Local Authority Pollution Prevention and Controls** Name: Conroys Recycling Ltd Location: Harts Farm, Havant, Hampshire, Po9 1jn Authority: Havant Borough Council, Environmental Health Department Permit Reference: EPR/JB3936RC/A001 Dated: 17th December 2012 Process Type: Local Authority Pollution Prevention and Control Description: Part B process (no specific reference) **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	474	3	470508 105803
38	**Local Authority Pollution Prevention and Controls** Name: Sainsburys Supermarket Location: Hambledon Road, Waterlooville, Po7 7ua Authority: Havant Borough Council, Environmental Health Department Permit Reference: PERM14/3000HBC Dated: 1st December 2014 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	516	3	470533 105767
39	**Local Authority Pollution Prevention and Controls** Name: Tarmac Location: Bedhampton Quay, Harts Farm Way, Havant, Hampshire, Po19 1jn Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00249 Dated: 11th January 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	563	3	470489 105664
40	**Local Authority Pollution Prevention and Controls** Name: Pioneer Concrete (Uk) Ltd Location: Bedhampton Quay, Harts Farm Way, HAVANT, Hampshire, PO9 1JN Authority: Havant Borough Council, Environmental Health Department Permit Reference: Epa1/1/94 Dated: 1st October 1993 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Transferred to LAIPPC** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	572	3	470674 105879
40	**Local Authority Pollution Prevention and Controls** Name: Hanson Premix Location: Bedhampton Quay, Harts Farm Way, HAVANT, Hampshire, PO19 1JN Authority: Havant Borough Council, Environmental Health Department Permit Reference: Epa1/1/94 Dated: 1st October 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	572	3	470674 105879
41	**Local Authority Pollution Prevention and Controls** Name: Sita Solent Ltd Location: Havant Lorry Park, Southmoor Lane, Havant, PO9 1JW Authority: Havant Borough Council, Environmental Health Department Permit Reference: EPR/AP3092HB Dated: 29th September 1997 Process Type: Local Authority Pollution Prevention and Control Description: Part B process (no specific reference) **Status: Authorisation certificate surrendered by operatorSurrendered** Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	796	3	470851 105734
42	**Local Authority Pollution Prevention and Controls** Name: Mitchell & James Ltd Location: Unit 1, Southmoor Lane, BEDHAMPTON, Hampshire, PO9 1JW Authority: Havant Borough Council, Environmental Health Department Permit Reference: Epa1/1/01 Dated: 12th November 2001 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	970	3	470961 105579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	**Local Authority Pollution Prevention and Controls** Name: Seaward Arc Location: Southmoor Lane, HAVANT, Hampshire, PO9 Authority: Havant Borough Council, Environmental Health Department Permit Reference: Ppc-B/01/03 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	988	3	470963 105550
	Nearest Surface Water Feature	A13NE (NE)	55	-	470160 106260
43	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Foul Sewer Location: West Street Bridge, Opposite Seward Rover Garage, BEDHAMPTON Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Sewage In Stream Incident Date: 28th March 1997 Incident Reference: 797160 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Plc Sewage Other Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	0	2	470001 106001
44	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On Stream; Demolition Incident Date: 12th May 1994 Incident Reference: 1255 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	265	2	470400 106020
45	**Pollution Incidents to Controlled Waters** Property Type: Domestic/Residential Location: BEDHAMPTON Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Stream May Be Polluted Incident Date: 11th September 1997 Incident Reference: 797465 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	326	2	470400 106400
46	**Pollution Incidents to Controlled Waters** Property Type: Other Transport Location: A27 Between A3 And Havant Authority: Environment Agency, Southern Region Pollutant: Organic Wastes: Milk Note: Leaking Milk Tanker; Road (Road Traffic Accident) Incident Date: 25th May 1995 Incident Reference: 1866 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	A7NE (SW)	538	2	469600 105600
47	**Pollution Incidents to Controlled Waters** Property Type: Road (Road Traffic Accident) Location: Havant Borough Council, Harts Farm Way Depot Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Spillage Of Oil Incident Date: 8th November 1996 Incident Reference: 796525 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	542	2	470500 105700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Back Of Meyrick Road Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel On River; Miscellaneous Premises: Unknown Incident Date: 12th February 1994 Incident Reference: 1078 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	A14NE (E)	673	2	470800 106300
49	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Other Location: Hermitage Stream, Harts Farm Way, HAVANT Authority: Environment Agency, Southern Region Pollutant: Storm Sewage Note: Sewage Debris In Stream; Water Company Sewage: Combined Sewer Overflow Incident Date: 12th September 1994 Incident Reference: 1455 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	A9NW (SE)	698	2	470500 105500
49	**Pollution Incidents to Controlled Waters** Property Type: Ships/Boats Location: United Marine Aggregates Wharf, BEDHAMPTON Authority: Environment Agency, Southern Region Pollutant: Oils - Waste Oil Note: Spillage Of Waste Oil Incident Date: 21st February 1996 Incident Reference: 796074 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oil Boat/Ship Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	702	2	470500 105495
50	**Pollution Incidents to Controlled Waters** Property Type: Construction Location: Brockhampton Road, HAVANT Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Brockhampton Stream Has Changed Colour Incident Date: 18th August 1998 Incident Reference: 798411 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	747	2	470900 106100
51	**Pollution Incidents to Controlled Waters** Property Type: Manufacturing Location: Hanson Aggregates, Harts Farm Way, Bedhampton Quay, HAVANT Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Pigments Note: Not Supplied Incident Date: 17th August 1999 Incident Reference: 2188 Catchment Area: Unknown Receiving Water: Freshwater Stream/River Cause of Incident: Containment Failure : Bund Overtopped Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A9NW (SE)	761	2	470600 105500
52	**Pollution Incidents to Controlled Waters** Property Type: Road (Road Traffic Accident) Location: Portsbridge (Marker Post 44.9), HAVANT Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: 10 Litres Of Petrol To Drain Incident Date: 23rd August 1996 Incident Reference: 796389 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	782	2	469300 105600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: New Raod, HAVANT Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On Hermitage Stream; Miscellaneous Premises: Unknown Incident Date: 29th December 1994 Incident Reference: 1625 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	A19SE (NE)	865	2	470900 106600
54	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Budds Farm Stw Outfall Authority: Environment Agency, Southern Region Pollutant: Sewage - Treated Effluent Note: Solids Carry Over To Effluent Incident Date: 21st May 1992 Incident Reference: 87 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Water Company STW Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	990	2	470600 105200
55	**Prosecutions Relating to Authorised Processes** Location: 1-3 Ridgway, HAVANT, Hampshire, PO9 1JS Prosecution Text: ENDS Report 296 (September 1999), Breaching the packaging regulations by failing to register, to take "reasonable steps" to recover its obligated tonnages of packaging waste and to provide a certificate of compliance. Prosecution Act: PRO(PW)R97 Hearing Date: 1st September 1999 Verdict: Guilty Fine: 1250 Costs: 0 Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	631	2	470784 106101
56	**Prosecutions Relating to Authorised Processes** Location: Southmoor Lane, Havant, Po9 Prosecution Text: Tipping brick and rubble onto land without a WML Prosecution Act: Epa90 S33(1)(A) Hearing Date: 18th February 2005 Verdict: Guilty Fine: 400 Costs: 318 Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	925	2	470959 105662
57	**Registered Radioactive Substances** Name: Apollo Fire Detectors Ltd Location: 36 Brookside Road,, HAVANT, PO9 1JR Authority: Environment Agency, Southern Region Permit Reference: CD6209 Dated: 4th August 2009 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A14SE (E)	898	2	471032 105930
57	**Registered Radioactive Substances** Name: Apollo Fire Detectors Ltd Location: 36 Brookside Road, Havant, Hampshire, PO9 1JR Authority: Environment Agency, Southern Region Permit Reference: Bj8812 Dated: 23rd January 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A14SE (E)	898	2	471032 105930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**Registered Radioactive Substances** Name: Apollo Fire Detectors Ltd Location: 36 Brookside Road, HAVANT, Hampshire, PO9 1JP Authority: Environment Agency, Southern Region Permit Reference: AW6707 Dated: 10th October 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A14SE (E)	898	2	471032 105930
58	**Registered Radioactive Substances** Name: Apollo Fire Detectors Ltd Location: 36 Brookside Road, HAVANT, PO9 1JR Authority: Environment Agency, Southern Region Permit Reference: Bu7260 Dated: 5th June 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	903	2	471016 105851
59	**Registered Radioactive Substances** Name: Apollo Fire Detectors Ltd Location: 2-8 Solent Road, HAVANT, Hampshire, PO9 1JH Authority: Environment Agency, Southern Region Permit Reference: AC1369 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A15SW (E)	944	2	471094 106042
59	**Registered Radioactive Substances** Name: Apollo Fire Detectors Ltd Location: 2-8 Solent Road, HAVANT, Hampshire, PO9 1JH Authority: Environment Agency, Southern Region Permit Reference: AC1385 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A15SW (E)	944	2	471094 106037
	River Quality Name: Hermitage Strm GQA Grade: River Quality C Reach: Tidal Limit - Source Estimated Distance (km): 14.8 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A13SE (SE)	251	2	470296 105898
60	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 3rd December 2012 Incident Reference: 1064967 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inert Materials And Wastes: Soils And Clay	A19SW (NE)	593	2	470650 106493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	**Water Abstractions** Operator: Portsmouth Water Ltd Licence Number: 11/42/36.2/1 Permit Version: 101 Location: Havant Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (E)	361	2	470480 106270
61	**Water Abstractions** Operator: Portsmouth Water Ltd Licence Number: 11/42/36.2/1 Permit Version: 102 Location: Havant Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (E)	361	2	470480 106270
61	**Water Abstractions** Operator: Portsmouth Water Co Licence Number: 11/42/36.2/1 Permit Version: 100 Location: Havant Ps Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (E)	361	2	470480 106270
62	**Water Abstractions** Operator: Portsmouth Water Ltd Licence Number: 11/42/36.2/1 Permit Version: 101 Location: Bedhampton Ps Spring No 1 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	488	2	470580 106370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	**Water Abstractions** Operator: Portsmouth Water Ltd Licence Number: 11/42/36.2/1 Permit Version: 102 Location: Bedhampton Ps Spring No 1 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	488	2	470580 106370
62	**Water Abstractions** Operator: Portsmouth Water Co Licence Number: 11/42/36.2/1 Permit Version: 100 Location: Bedhampton Ps Spring No 1 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 164565 Yearly Rate (m3): 42732400 Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	488	2	470580 106370
63	**Water Abstractions** Operator: Portsmouth Water Ltd Licence Number: 11/42/36.2/1 Permit Version: 101 Location: Bedhampton Ps Spring No 2 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	903	2	471020 106370
63	**Water Abstractions** Operator: Portsmouth Water Ltd Licence Number: 11/42/36.2/1 Permit Version: 102 Location: Bedhampton Ps Spring No 2 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	903	2	471020 106370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Water Abstractions** Operator: Portsmouth Water Co Licence Number: 11/42/36.2/1 Permit Version: 100 Location: Bedhampton Ps Spring No 2 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th September 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	903	2	471020 106370
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13NE (SW)	0	2	470028 106130
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 52 Southern Hampshire Scale: 1:100,000	A13NW (W)	0	2	470000 106130
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (W)	0	1	470000 106130
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (SW)	0	1	470028 106130
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (W)	0	1	470000 106130
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (SW)	0	1	470028 106130
64	**Source Protection Zones** Name: Bedhampton & Havant Springs Source: Environment Agency, Head Office Reference: Su049 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A13NE (N)	21	2	470072 106299
65	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A18SE (N)	260	2	470028 106523
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	31	2	470183 106129
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	66	2	470161 106301
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	74	2	470157 106319
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	122	2	470249 106031

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	137	2	470137 106403
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	139	2	470287 106155
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	153	2	470301 106077
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	153	2	470306 106126
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	154	2	470307 106127
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	154	2	470307 106127
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	154	2	470306 106096
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	155	2	470292 106048
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	156	2	470308 106095
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	156	2	470308 106135
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	156	2	470309 106125
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	156	2	470308 106093
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	158	2	470302 106063
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	159	2	470310 106090
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	159	2	470310 106144
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	159	2	470310 106144

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	160	2	470311 106089
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	160	2	470311 106146
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	161	2	470311 106089
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	161	2	470312 106088
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	162	2	470311 106150
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	162	2	470312 106150
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	164	2	470313 106153
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	166	2	470224 105962
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	166	2	470315 106154
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	166	2	470315 106153
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	167	2	470291 106022
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	167	2	470316 106155
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	167	2	470311 106171
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	168	2	470317 106157
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	169	2	470299 106033
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	169	2	470303 106039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	169	2	470305 106043
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	173	2	470318 106170
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	191	2	470337 106169
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	192	2	470133 106460
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	198	2	470338 106048
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	198	2	470334 106033
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	200	2	470332 106023
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	204	2	470305 105980
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	204	2	470306 105982
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	204	2	470354 106082
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	205	2	470304 105977
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	205	2	470355 106084
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	205	2	470358 106100
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A18SE (N)	205	2	470103 106476
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	206	2	470356 106086
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	207	2	470303 105974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	208	2	470341 106027
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	209	2	470363 106120
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	209	2	470303 105971
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	215	2	470257 105924
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	218	2	470268 105945
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	219	2	470291 105946
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	219	2	470290 105946
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	221	2	470300 105951
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	235	2	470387 106144
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	238	2	470389 106148
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	240	2	470391 106153
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	246	2	470314 105930
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	73	2	470215 106159
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	86	2	470162 106331
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	99	2	470147 106359
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	139	2	470287 106155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	141	2	470141 106406
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	141	2	470273 106041
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	155	2	470292 106048
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	156	2	470309 106133
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	157	2	470305 106077
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	158	2	470302 106063
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	158	2	470305 106073
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	159	2	470307 106073
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	161	2	470308 106074
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	164	2	470312 106074
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	166	2	470314 106074
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	167	2	470291 106022
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	168	2	470317 106079
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	169	2	470305 106043
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	169	2	470299 106033
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	169	2	470303 106039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	170	2	470318 106075
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	172	2	470322 106084
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	176	2	470328 106143
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	190	2	470109 106461
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A18SE (N)	194	2	470132 106462
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	198	2	470338 106048
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	198	2	470334 106033
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	200	2	470332 106023
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	204	2	470306 105982
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	204	2	470354 106082
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	205	2	470355 106084
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	205	2	470358 106100
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	206	2	470356 106086
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A18SE (N)	206	2	470103 106477
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	207	2	470303 105974
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	208	2	470341 106027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	209	2	470363 106120
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	209	2	470303 105971
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	212	2	470256 105927
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A18SE (N)	215	2	470095 106486
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	215	2	470258 105925
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	218	2	470288 105945
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	219	2	470290 105946
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	220	2	470292 105946
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	221	2	470300 105951
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	235	2	470387 106144
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	238	2	470389 106148
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A14NW (E)	240	2	470391 106153
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	240	2	470321 105945
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	246	2	470314 105930
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 239.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (NE)	56	4	470162 106260
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A13NE (NE)	110	4	470180 106347
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A13NE (NE)	115	4	470189 106345
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (NE)	126	4	470157 106383
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (NE)	148	4	470258 106231
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (NE)	148	4	470258 106231
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A13NE (NE)	148	4	470227 106348
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 124.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (NE)	149	4	470258 106234
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (NE)	152	4	470231 106349

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (E)	153	4	470276 106210
76	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 94.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13SE (E)	157	4	470291 106041
77	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13SE (E)	161	4	470309 106077
78	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 39.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13SE (E)	161	4	470309 106077
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (E)	174	4	470309 106197
80	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 34.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A13SE (E)	179	4	470332 106109
81	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 24.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13SE (E)	179	4	470332 106109
82	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (E)	182	4	470333 106138
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (N)	185	4	470129 106453

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (N)	186	4	470127 106455
85	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 174.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A13NE (E)	193	4	470345 106129
86	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 88.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: Not Supplied Primacy: 1	A13SE (SE)	197	4	470320 106003
87	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: Not Supplied Primacy: 1	A13SE (SE)	202	4	470320 106003
88	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 176.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: East Hampshire Primacy: 1	A13SE (E)	204	4	470355 106083
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A18SE (N)	227	4	470090 106497
90	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 313.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: Not Supplied Primacy: 1	A13SE (SE)	232	4	470309 105944
91	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 2	A13SE (SE)	232	4	470309 105944
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 831.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A13SE (SE)	242	4	470334 105955

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (NE)	303	4	470383 106381
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 118.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: East Hampshire Primacy: 1	A14NW (E)	308	4	470437 106235
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 129.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NW (S)	386	4	469831 105622
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (NE)	392	4	470474 106392
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (SE)	398	4	470484 105895
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 697.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A18SW (N)	401	4	470015 106662
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 454.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A18SW (N)	401	4	470015 106662
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 514.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: East Hampshire Primacy: 1	A14NW (E)	417	4	470554 106231
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (E)	417	4	470554 106231

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NW (S)	450	4	470010 105526
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (SE)	500	4	470585 105864
104	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 199.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Mill Lake Catchment Name: Not Supplied Primacy: 1	A9NW (SE)	501	4	470385 105661
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (SE)	503	4	470599 105885
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (SE)	508	4	470607 105887
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 233.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	530	4	470527 105741
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	614	4	470729 105903
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 102.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SE (NW)	623	4	469579 106719
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	624	4	470740 105903

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 285.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Mill Lake Catchment Name: Not Supplied Primacy: 1	A9NW (SE)	654	4	470406 105474
112	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 368.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Mill Lake Catchment Name: Not Supplied Primacy: 1	A9NW (SE)	654	4	470406 105474
113	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 108.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Mill Lake Catchment Name: Not Supplied Primacy: 1	A9NW (SE)	668	4	470637 105656
114	**OS Water Network Lines** Watercourse Form: Foreshore Watercourse Length: 61.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	680	4	470682 105689
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	690	4	470830 105983
116	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	696	4	470830 105952
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SE (NW)	696	4	469477 106727
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NE (SE)	701	4	470732 105722
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Stream Catchment Name: East Hampshire Primacy: 1	A9NE (SE)	712	4	470747 105723

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 146.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Brockhampton Stream Catchment Name: East Hampshire Primacy: 1	A14SE (E)	718	4	470857 105975
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	718	4	470857 105975
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	719	4	470860 105985
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	724	4	470869 106011
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 289.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SE (NW)	741	4	469400 106713
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 54.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Brockhampton Stream Catchment Name: East Hampshire Primacy: 1	A14SE (E)	743	4	470895 106064
126	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	760	4	470913 106116
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 118.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	777	4	470924 106022
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Stream Catchment Name: East Hampshire Primacy: 1	A14SE (E)	784	4	470937 106098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7NW (SW)	799	4	469299 105568
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7NW (SW)	805	4	469302 105550
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7NW (SW)	807	4	469304 105544
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7NW (SW)	812	4	469315 105518
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	824	4	470976 106095
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Brockhampton Stream Catchment Name: East Hampshire Primacy: 1	A14SE (E)	824	4	470976 106095
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	829	4	470982 106095
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	837	4	470989 106073
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	844	4	470996 106074

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	854	4	471006 106073
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A19SE (NE)	863	4	470922 106536
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	870	4	471022 106073
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: East Hampshire Primacy: 1	A19SE (NE)	875	4	470923 106570
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: East Hampshire Primacy: 1	A19SE (NE)	880	4	470923 106584
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A19SE (NE)	882	4	470925 106582
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	885	4	471037 106073
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A19SE (NE)	892	4	470931 106596
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	893	4	471045 106072

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A19SE (NE)	901	4	470935 106612
148	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 515.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Storehouse Lake Catchment Name: Not Supplied Primacy: 1	A8SE (S)	902	4	470288 105126
149	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7NW (SW)	904	4	469236 105470
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	905	4	471057 106072
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 651.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hermitage Stream Catchment Name: East Hampshire Primacy: 1	A19SE (NE)	907	4	470938 106620
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 202.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15NW (E)	911	4	471057 106229
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15NW (E)	911	4	471057 106229
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 75.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7NW (SW)	916	4	469220 105473
155	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	922	4	471074 106072

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	963	4	471115 106071
157	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	965	4	471118 106088
158	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	965	4	471117 106071
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	974	4	471127 106087
160	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	978	4	471130 106070
161	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15SW (E)	988	4	471140 106070
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7SW (SW)	988	4	469157 105438
163	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SW (NW)	988	4	469120 106750
164	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 126.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7SW (SW)	989	4	469156 105437

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A7SW (SW)	989	4	469156 105437
166	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SW (NW)	991	4	469118 106753
167	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SW (NW)	994	4	469117 106756
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 264.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A17SW (NW)	994	4	469117 106756

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	**BGS Recorded Landfill Sites** Site Name: Storhouse Lake Tip Location: HAVANT, Hants Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Unknown Boundary Accuracy: Not Applicable	A8NE (S)	393	-	470100 105600
170	**Historical Landfill Sites** Licence Holder: Hampshire County Council Location: Harts Farm Way, Havant Name: Harts Farm Way Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20831 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: FHA15, 1760/1/13/6	A13SE (SE)	221	2	470177 105824
171	**Historical Landfill Sites** Licence Holder: Gleeson Civil Engineering Limited Location: Bedhampton, Hampshire Name: Scratchface Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20966 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: FHA16, 13/4	A18NW (N)	704	2	469978 106964
172	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Brockhampton, Hampshire Name: Land South Of Budds Farm Sewage Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20826 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/1304 BGS Ref: Not Supplied Other Ref: FHA10, HAV4	A9NW (SE)	707	2	470574 105548
173	**Integrated Pollution Control Registered Waste Sites** Name: Onyx Hampshire Ltd Location: Brockhampton Incinerator, Harts Farm Way, HAVANT, Hampshire, PO9 1JN Authority: Environment Agency, Southern Region Permit Reference: AR5260 Dated: 31st May 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	480	2	470521 105808
173	**Integrated Pollution Control Registered Waste Sites** Name: Onyx Hampshire Ltd Location: Brockhampton Incinerator, Harts Farm Way, HAVANT, Hampshire, PO9 1JN Authority: Environment Agency, Southern Region Permit Reference: AY3199 Dated: 9th April 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	481	2	470526 105813

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	**Integrated Pollution Control Registered Waste Sites** Name: Onyx Hampshire Ltd Location: Brockhampton Incinerator, Harts Farm Way, HAVANT, Hampshire, PO9 1JN Authority: Environment Agency, Southern Region Permit Reference: AG8276 Dated: 13th May 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 5.1 A (C) Incineration within the Waste Disposal Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	484	2	470526 105808
174	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Bedhampton Waterworks Licence Number: 19988 Location: Bedhampton Waterworks, Meyrick Road, Havant, Hampshire, PO9 1NN Licence Holder: Portsmouth Water Company Ltd Authority: Environment Agency - Southern Region, Hampshire and Isle of Wight Area Office Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Inactive** Issued: 18th February 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A14NW (NE)	380	2	470478 106330
175	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Bedhampton Landfill Licence Number: 210123 Location: Bedhampton Waterworks, Meyrick Road, H, Bedhampton, Hampshire, PO9 1NN Licence Holder: Portsmouth Water Ltd Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Inert LF Max Input Rate: Not Supplied **Licence Status: Issued** Issued: 21st April 2005 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A14NW (NE)	381	2	470480 106324
176	**Licensed Waste Management Facilities (Locations)** Licence Number: 10229 Location: Harts Farm Way Depot, Harts Farm Way, Havant, Hampshire, PO9 1JN Operator Name: Hampshire County Council Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Surrendered** Issued: 19th December 2002 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 23rd September 2013 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	409	2	470500 105900
176	**Licensed Waste Management Facilities (Locations)** Licence Number: 19989 Location: Havant Incinerator, Harts Farm Way, Havant, Hampshire Operator Name: Associated Environmental Projects (Hampshire) Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Surrendered** Issued: 21st June 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 26th November 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	436	2	470541 105918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	**Licensed Waste Management Facilities (Locations)** Licence Number: 103260 Location: Havant H W R C, Harts Farm Way, Havant, Hampshire, PO9 1JN Operator Name: Veolia E S Hampshire Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Non-hazardous & hazardous HWA Site **Licence Status: Transferred** Issued: 2nd March 2012 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	437	2	470500 105850
178	**Licensed Waste Management Facilities (Locations)** Licence Number: 210123 Location: Bedhampton Waterworks, Meyrick Road, H, Bedhampton, Hampshire, PO9 1NN Operator Name: Portsmouth Water Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Inert LF **Licence Status: Issued** Issued: 21st April 2005 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: NP3439 Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	513	2	470600 106390
178	**Licensed Waste Management Facilities (Locations)** Licence Number: 19988 Location: Bedhampton Waterworks, Meyrick Road, Havant, Hampshire, PO9 1NN Operator Name: Portsmouth Water Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: To PPC** Issued: 18th February 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: NP3439PN Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	513	2	470600 106390
179	**Licensed Waste Management Facilities (Locations)** Licence Number: 19983 Location: Land/ Premises At, Harts Farm Way, Havant, Hampshire, PO9 1JN Operator Name: Hopkins Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Modified** Issued: 29th June 1993 Last Modified: 19th August 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	519	2	470530 105760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	**Licensed Waste Management Facilities (Locations)** Licence Number: 10275 Location: Havant H W R C, Harts Farm Way, Havant, Hampshire, PO9 1JN 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: 18th September 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 23rd December 2013 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	526	2	470518 105738
179	**Licensed Waste Management Facilities (Locations)** Licence Number: 104552 Location: Conroys Recycling Ltd, Harts Farm Way, Havant, Hampshire, PO9 1JN Operator Name: Conroys Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Physical Treatment Facilities **Licence Status: Issued** Issued: 17th December 2012 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	553	2	470543 105725
180	**Licensed Waste Management Facilities (Locations)** Licence Number: 10279 Location: Bedhampton Water Works, Meyrick Road, Havant, Hampshire, PO9 1NN Operator Name: Portsmouth Water Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Transfer Stations Taking Non-biodegradable Wastes **Licence Status: Modified** Issued: 29th June 2007 Last Modified: 18th July 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (E)	588	2	470680 106380
181	**Licensed Waste Management Facilities (Locations)** Licence Number: 10221 Location: Harts Farm Way Transfer Station, Harts Farm Way, Havant, Hampshire, PO9 1JN Operator Name: T J Waste & Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Transferred** Issued: 23rd November 2000 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	600	2	470658 105792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
181	**Licensed Waste Management Facilities (Locations)** Licence Number: 100089 Location: Havant Waste Transfer Station, Harts Farm Way, Havant, Hampshire, PO9 1JN Operator Name: Keltbray Environmental Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Transferred** Issued: 17th September 2007 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	605	2	470672 105805
182	**Licensed Waste Management Facilities (Locations)** Licence Number: 401716 Location: Havant Grid Substation, Harts Farm Way, Havant, PO9 1JN Operator Name: Southern Electric Power Distribution Plc Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Storage of electrical insulating oils **Licence Status: Issued** Issued: 11th May 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	627	2	470630 105710
183	**Licensed Waste Management Facilities (Locations)** Licence Number: 19991 Location: Havant Lorry Park, Southmoor Lane, Havant, Hampshire, PO9 1JW Operator Name: Sita Solent Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Surrendered** Issued: 29th September 1997 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 19th October 2010 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	742	2	470778 105717
184	**Licensed Waste Management Facilities (Locations)** Licence Number: 400061 Location: Budds Farm Wastewater Treatment Works, Budds Farm, Southmoor, Hampshire, PO9 1JW Operator Name: Southern Water Services Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Landfill Gas Engine (<3 mW) **Licence Status: Issued** Issued: 10th April 2013 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	824	2	470700 105500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	**Licensed Waste Management Facilities (Locations)** Licence Number: 19990 Location: Southmoor Lane, Budds Farm, Havant, Hampshire, PO9 1JW Operator Name: Southern Water Services Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Treatment - Biological **Licence Status: Modified** Issued: 16th February 1996 Last Modified: 6th August 2014 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	862	2	470700 105450
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	3	470028 106130
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	470028 106130
	Local Authority Landfill Coverage Name: Portsmouth City Unitary Council - Has not been able to supply Landfill data		994	6	468905 106122
185	**Local Authority Recorded Landfill Sites** Location: Broadmarsh Site Reference: 4 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	A13SE (SE)	215	3	470174 105831
186	**Local Authority Recorded Landfill Sites** Location: Southmoore Lane Reference: 2 Authority: Havant Borough Council, Environmental Health Department **Last Reported Status: Closed** Types of Waste: Household, Acid, Commercial Date of Closure: 31/12/1965 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A9NW (SE)	724	3	470548 105507
187	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A13NW (NW)	248	-	469768 106384
188	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A18SW (NW)	335	-	469816 106527
189	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12NW (W)	673	-	469247 106293
190	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SW (NW)	739	-	469272 106518
191	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A11NE (W)	994	-	468911 106241
192	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A13SE (SE)	233	-	470254 105900
193	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1870	A13SE (SE)	259	-	470303 105905

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A18NE (N)	576	-	470127 106846
195	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1991	A7NE (SW)	601	-	469664 105468
196	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1991	A7NE (SW)	662	-	469576 105456
197	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1870	A9NW (SE)	691	-	470573 105567
198	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A9NE (SE)	720	-	470768 105742
199	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1870	A9SW (SE)	725	-	470446 105416
200	**Registered Landfill Sites** Licence Holder: Hampshire C.C. Licence Reference: 13/ 4 RES Site Location: Harts Farm Way, Havant, Hampshire Licence Easting: 470100 Licence Northing: 105600 Operator Location: The Castle, Winchester, Hampshire Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 20th July 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Civic Amenity/Refuse Amenity Waste Concrete Waste Construction And Demolition Wastes Excavated Natural Materials $ Hardcore And Rubble Household, Crude Waste Incinerator Residues Silt And Dredgings Prohibited Waste: Liquid Wastes	A8NE (S)	393	2	470100 105600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
201	**Registered Landfill Sites** Licence Holder: Portsmouth Water Plc Licence Reference: 13/ 25A Site Location: Bedhampton Waterworks, Meyrick Road, HAVANT, Hampshire, PO9 1NN Licence Easting: 470600 Licence Northing: 106360 Operator Location: PO Box 8, West Street, HAVANT, Hampshire, PO9 1LG Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Operational as far as is knownOperational Dated: 14th November 1991 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Waste From Pipework Excavation Prohibited Waste: Biodegradable Waste Brick And Concrete Rubble Clinical - As In Wmp 25 Construction And Demolition Wastes Food/Vegetable Matter Hazardous Wastes Land Clear.Waste Contam. > Background Liquid/Slurry/Sludge Wastes Paper/Cardboard/Packaging Phenols/Mat'Ls Cont. Phenol Plaster Poisonous, Noxious, Polluting Wastes Rubble Ex Prems Storing Tox/Sol.Chems Special Wastes Timber Waste N.O.S.	A14NW (E)	506	2	470600 106360
202	**Registered Waste Transfer Sites** Licence Holder: Assoc.Environmental Proj.(Hants) Ltd Licence Reference: HV 030 Site Location: Recycling Storage Bays, Havant Incinerator, Havant, Hampshire Operator Location: 37-41 Old Queen Street, LONDON, Greater London, SW1H 9JA Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site dormant Dated: 21st June 1993 Preceded By Licence: Not Given Superseded By Licence: HV 006A Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Ferrous/Non-Ferrous Cans Glass Paper/Cardboard Waste Plastics Prohibited Waste: Clinical - As In Wmp 25 Liable To Cause Environmental Hazards Liquid/Slurry/Sludge Wastes Poisonous, Noxious And Polluting N.O.S Rubble Ex Prem Stor.Tox/Water Sol.Chem Special Wastes Waste N.O.S.	A14SW (E)	434	2	470540 105920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	**Registered Waste Transfer Sites** Licence Holder: Hampshire Recycling Ltd Licence Reference: HV 006A Site Location: Harts Farm Way C.A.Site, HAVANT, Hampshire, PO9 1JN 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 Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 24th November 1978 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m 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'Holders) Waste N.O.S.	A9NW (SE)	519	2	470530 105760
204	**Registered Waste Transfer Sites** Licence Holder: Skips R Us Ltd Licence Reference: EAWML10221 Site Location: Harts Farm Way, Bedhampton, HAVANT, Hampshire, PO9 1JN Operator Location: Harts Farm Way, Bedhampton, HAVANT, Hampshire, PO9 1JN Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 23rd November 2000 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Batteries Degradable Commercial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.02) Degradable Household Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.01) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Metal Waste/Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Special Waste (As In Epa 1990:S62 Of 1996 Regs) - Comprising Prohibited Waste: Degradable Industrial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.03) Material With Any Haz.Code (H1, H2, H3a,H3b,H4,H5,H6,H7,H8,H9,H10,H11,H12,H13,H14) Other Waste / Waste Not Otherwise Specified Powders Sludge / Liquid / Paste / Wet Wastes Special Waste (As In Epa 1990:S62 Of 1996 Regs) Not Otherwise Specified Waste Solely/Mainly Finely Divided Metals Or Dusts/Powders/Loose Fibres Wastes Likely To Produce Offensive Odours	A9NW (SE)	658	2	470700 105750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	**Registered Waste Transfer Sites** Licence Holder: A & J Bull (Solent) Ltd Licence Reference: HV 038 Site Location: Havant Lorry Park, Southmoor Lane, Havant, Hampshire Operator Location: 4 London Wall Buildings, Blomfield Street, LONDON, Greater London, EC2M 5UQ Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 29th September 1997 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Concrete And Brick Rubble Construction And Demolition Wastes Max.Waste Permitted By Licence Soil Prohibited Waste: Pressurised Cont'Rs Rapidly Biodeg/Food/Veg.Mat'L Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A9NE (SE)	769	2	470800 105700
206	**Registered Waste Treatment or Disposal Sites** Licence Holder: B.M. Recycling Ltd Licence Reference: 13/ 4 Site Location: Brockhampton Incinerator, Harts Farm Way, Havant, Hampshire Operator Location: 7 Eagle Avenue, Cowplain, PORTSMOUTH, Hampshire, PO8 9UB Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Incineration Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 18th May 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Controlled Wastes Licenced Wastes Not To Hand	A14SW (SE)	448	2	470480 105810

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	**Registered Waste Treatment or Disposal Sites**		A9NW (SE)	862	2	470700 105450
	Licence Holder:	Southern Water Services Ltd				
	Licence Reference:	HV 032A				
	Site Location:	Budds Farm W.T.Works, Southmoor Lane, Havant, Hampshire				
	Operator Location:	Southern House, Sparrowgrove, Otterbourne, WINCHESTER, Hampshire, SO21 2SW				
	Authority:	Environment Agency - Southern Region, Hampshire Area				
	Site Category:	Treatment - Biological				
	Max Input Rate:	Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)				
	Waste Source Restrictions:	No known restriction on source of waste				
	Licence Status:	Operational as far as is knownOperational				
	Dated:	16th February 1996				
	Preceded By Licence:	HV 032				
	Superseded By Licence:	Not Given				
	Positional Accuracy:	Manually positioned to the address or location				
	Boundary Quality:	Not Supplied				
	Authorised Waste	Alcohols (Brewing/Distilling) Alkalis Ammonium Salts Amylase Starches Aqueous Biodegradable Waste Bacterial Sludges/Slurries Bentonite Slurries Biodegradable Waste Sludges Blood, Fat, Grease Cement Washings Chemical Processing Wastes Concrete Waste Cooling Water Cosmetic Waste Detergent Waste Drilling Muds Farm Slurry Fibreglass Slurry Filter Materials Food Processing Wastes/Starch Glue Wastes Gulley Emptyings Hide Curing Waste Hypochlorites And Chlorites Inorganic Materials Interceptor Wastes Landfill Leachates Milk Wastes Mineral Slurries/Processing Wastes Miscellaneous Wastes Including Oil/Water Mixtures Organic Compounds Paper Sludges Sewer Grit Silt And Dredgings Soakaway Contents Soap Waste Surface & Flood Waters Water Works Sludges				
	Prohibited Waste	Max.Waste Permitted By Licence Special Waste (As In Epa 1990:S62 Of 1996 Regs) Waste N.O.S.				
207	**Registered Waste Treatment or Disposal Sites**		A9SW (SE)	901	2	470700 105400
	Licence Holder:	Southern Water Services Ltd				
	Licence Reference:	HV 032				
	Site Location:	Budds Farm W.T.Works, Southmoor Lane, Havant, Hampshire				
	Operator Location:	Southern House, Sparrowgrove, WINCHESTER, Hampshire, SO21 2SW				
	Authority:	Environment Agency - Southern Region, Hampshire Area				
	Site Category:	Treatment				
	Max Input Rate:	Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)				
	Waste Source Restrictions:	No known restriction on source of waste				
	Licence Status:	Record supersededSuperseded				
	Dated:	1st November 1992				
	Preceded By Licence:	Not Given				
	Superseded By Licence:	HV 032A				
	Positional Accuracy:	Manually positioned to the address or location				
	Boundary Quality:	Not Supplied				
	Authorised Waste	Max.Waste Permitted By Licence-Stated Waste As In Appl'N/Working Plan				
	Prohibited Waste	Special Wastes (As In S17 Copa 1980) Waste N.O.S.				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NE (SW)	0	1	470028 106130
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (SW)	0	1	470028 106130
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NW (NW)	4	1	469980 106238
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A18SW (NW)	438	1	469751 106609
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	855	1	471000 106000
208	**BGS Recorded Mineral Sites** Site Name: Belmont Farm Chalk Pit Location: , Bedhampton, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163091 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Portsdown Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SW (N)	350	1	469853 106560
209	**BGS Recorded Mineral Sites** Site Name: Bedhampton Chalk Pit Location: , Bedhampton, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 13718 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Portsdown Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	389	1	469620 106420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	**BGS Recorded Mineral Sites** Site Name: Bedhampton Wharf Location: Harts Farm Way, Havant, Hampshire, Po9 1jn Source: British Geological Survey, National Geoscience Information Service Reference: 10487 Type: Wharf **Status: Active** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Marine Deposits Commodity: Marine Sand And Gravel Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	608	1	470485 105605
211	**BGS Recorded Mineral Sites** Site Name: Camp Down Chalk Pit Location: , Farlington, Portsmouth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163080 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Spetisbury Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NW (W)	707	1	469216 106310
212	**BGS Recorded Mineral Sites** Site Name: Bedhampton Chalk Pit Location: , Bedhampton, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163092 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Portsdown Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	747	1	469267 106525
213	**BGS Recorded Mineral Sites** Site Name: Camp Down Location: , Portsdown Hill Road, Purbrook, Portsmouth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 55252 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Portsdown Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A11NE (W)	922	1	469005 106351
	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				
	Natural Cavities Easting: 469800 Northing: 106550 Distance: 363 Quadrant Reference: A18 Quadrant Reference: SW Bearing Ref: NW Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A18SW (NW)	363	7	469800 106550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 469700 Northing: 106500 Distance: 378 Quadrant Reference: A18 Quadrant Reference: SW Bearing Ref: NW Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology Detail: No Details	A18SW (NW)	378	7	469700 106500
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	470028 106200
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	4	1	469980 106238
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	470000 106248
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	86	1	470197 106254
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	221	1	470206 105838
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	50	1	469851 106142
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	86	1	470197 106254
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	151	1	470062 105835
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	469998 106067
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	470000 106066
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	470000 106083
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	470027 106083
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	2	1	469953 106221
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	14	1	470000 106256
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	49	1	469875 106169
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	165	1	469919 106387
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	185	1	470032 106444
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	194	1	470000 106445
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	205	1	470026 106466
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	205	1	469963 106445
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	223	1	469711 106006
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	226	1	470149 106492
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	228	1	470145 105787
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	233	1	470000 105743
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	234	1	470103 106506
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	235	1	470093 106508
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NE (W)	248	1	469650 106135
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	148	1	469857 106333
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NE (W)	233	1	469676 106192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	4	1	469980 106238
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	470000 106248
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	148	1	469857 106333
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	151	1	470062 105835
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470000 106130
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	4	1	469980 106238
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	470000 106248
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	86	1	470197 106254
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	148	1	469857 106333
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	205	1	470026 106466
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A18SW (N)	220	1	470000 106471
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	221	1	470206 105838
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	470001 106130
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	470028 106130
	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	A13NW (W)	0	1	470001 106130
	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	A13NE (SW)	0	1	470028 106130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	**Contemporary Trade Directory Entries** Name: Diverse Cleaning Location: 76, Lower Road, Havant, Hampshire, PO9 3LJ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	105	-	469799 106157
215	**Contemporary Trade Directory Entries** Name: Microsport Ski Simulators Ltd Location: 21, Lodge Road, Havant, Hampshire, PO9 3LL Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	135	-	469973 106375
216	**Contemporary Trade Directory Entries** Name: Pure Chic Interiors Location: Bedhampton Hill, Havant, Hampshire, PO9 3JW Classification: Furniture - Repairing & Restoring **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	200	-	469824 106373
217	**Contemporary Trade Directory Entries** Name: Portsmouth A C Ltd Location: 39, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	402	-	470399 105798
217	**Contemporary Trade Directory Entries** Name: C4 Location: 42-43, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	406	-	470417 105807
217	**Contemporary Trade Directory Entries** Name: Select Freight Ltd Location: 42, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	406	-	470417 105807
218	**Contemporary Trade Directory Entries** Name: Fairview Lifting Gear Services Location: 47, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Lifting Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	435	-	470449 105799
218	**Contemporary Trade Directory Entries** Name: Raft Systems Ltd Location: 49, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Classification: Telecommunications Equipment & Systems **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	445	-	470453 105788
218	**Contemporary Trade Directory Entries** Name: The Windowmakers Location: 51 Basepoint, Broadmarsh Business Centre, Havant, Hampshire, PO9 1HS Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	457	-	470459 105777
218	**Contemporary Trade Directory Entries** Name: Lewis Mobility Location: 51, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	458	-	470462 105778
218	**Contemporary Trade Directory Entries** Name: Supply Team Location: 52, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	465	-	470466 105773

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	**Contemporary Trade Directory Entries** Name: Havant Salvage Location: 4, Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Classification: Scrap Metal Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	484	-	470460 105743
219	**Contemporary Trade Directory Entries** Name: The Windowmakers Location: 51 Basepoint,Broadmarsh Business Centre, Havant, Hampshire, PO9 1HS Classification: Window Frame Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	444	-	470402 105748
219	**Contemporary Trade Directory Entries** Name: Tt Coil Ltd Location: 18, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Heat Exchangers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	444	-	470402 105748
219	**Contemporary Trade Directory Entries** Name: 2 Teck Ltd Location: 19, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, Hampshire, PO9 1HS Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	444	-	470402 105748
219	**Contemporary Trade Directory Entries** Name: E-Vapes Location: 18, Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	446	-	470409 105750
220	**Contemporary Trade Directory Entries** Name: Goodmans Loudspeakers Ltd Location: 1-3, Ridgway, Havant, Hampshire, PO9 1JS Classification: Sound Equipment Systems Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	460	-	470613 106111
220	**Contemporary Trade Directory Entries** Name: Mordaunt-Short Location: 1-3, Ridgway, Havant, Hampshire, PO9 1JS Classification: Sound Equipment Systems Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	460	-	470613 106111
220	**Contemporary Trade Directory Entries** Name: T G I Plc Location: 1-3, Ridgway, Havant, Hampshire, PO9 1JS Classification: Sound Equipment Systems Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	460	-	470613 106111
221	**Contemporary Trade Directory Entries** Name: Hopkins Recycling Ltd Location: Havant, Hampshire, Po9 1jn Classification: Recycling Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	472	-	470516 105814
222	**Contemporary Trade Directory Entries** Name: Warrior Animal Feeds Ltd Location: 2, Brooklands Road, Havant, Hampshire, PO9 3NS Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	494	-	469775 106684
223	**Contemporary Trade Directory Entries** Name: Hanson Concrete Location: Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Concrete & Mortar Ready Mixed **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	517	-	470421 105670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	**Contemporary Trade Directory Entries** Name: J Price & Son Location: 108, Bedhampton Road, Havant, Hampshire, PO9 3EZ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	521	-	470346 106731
225	**Contemporary Trade Directory Entries** Name: Solant Motor Services Location: Ridgeway, Havant, Hampshire, PO9 1NX Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	521	-	470672 106070
226	**Contemporary Trade Directory Entries** Name: D H G Teasedale Gas Deliveries Location: 96, Bedhampton Road, Havant, Hampshire, PO9 3EZ Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	533	-	470435 106686
227	**Contemporary Trade Directory Entries** Name: Pharmstead Uk Ltd Location: Broadmarsh Business Park,Unit 53 Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	543	-	470538 105734
228	**Contemporary Trade Directory Entries** Name: National Tyre And Autocare Location: 27, Bedhampton Road, HAVANT, Hampshire, PO9 3ES Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	552	-	470542 106602
228	**Contemporary Trade Directory Entries** Name: Cambridge Garage Location: 23, Bedhampton Road, Havant, Hampshire, PO9 3ES Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	568	-	470568 106592
228	**Contemporary Trade Directory Entries** Name: Cambridge Garage Portsmouth Location: 23, Bedhampton Road, Havant, Hampshire, PO9 3ES Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	568	-	470568 106592
228	**Contemporary Trade Directory Entries** Name: Cambridge Garage Ltd Location: 23, Bedhampton Road, Havant, Hampshire, PO9 3ES Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	568	-	470568 106592
229	**Contemporary Trade Directory Entries** Name: J W Blunden Location: 14, Park Side, Havant, Hampshire, PO9 3PL Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	558	-	469996 106818
229	**Contemporary Trade Directory Entries** Name: Spx Location: 13, Park Side, Havant, Hampshire, PO9 3PJ Classification: Air Compressors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	575	-	470028 106841
230	**Contemporary Trade Directory Entries** Name: T J Waste & Recycling Ltd Location: Harts Farm Way Depot, Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	562	-	470499 105674

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
230	**Contemporary Trade Directory Entries** Name: Tarmac Location: Bedhampton Quay, Harts Farm Way, Havant, PO9 1JN Classification: Sand, Gravel & Other Aggregates **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	611	-	470535 105640
230	**Contemporary Trade Directory Entries** Name: Tarmac Ltd Location: Bedhampton Quay, Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Sand, Gravel & Other Aggregates **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	611	-	470535 105640
230	**Contemporary Trade Directory Entries** Name: Busymix Concrete Ltd Location: Bedhampton Quay, Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Concrete & Mortar Ready Mixed **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	611	-	470535 105640
231	**Contemporary Trade Directory Entries** Name: Ats Euromaster Ltd Location: 60-62, Bedhampton Road, Havant, Hampshire, PO9 3EY Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	584	-	470552 106641
232	**Contemporary Trade Directory Entries** Name: Wessex Sliding Doors Location: 10, Lester Avenue, Havant, Hampshire, PO9 3HE Classification: Door Manufacturers - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	610	-	470451 106770
233	**Contemporary Trade Directory Entries** Name: Kingscroft Cars Location: 2, Ridgway, Havant, Hampshire, PO9 1QJ Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	617	-	470770 106128
234	**Contemporary Trade Directory Entries** Name: Veolia Environmental Services Location: Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (SE)	629	-	470714 105832
235	**Contemporary Trade Directory Entries** Name: Rowan Business Equipment Location: 8 Kingscroft Ct,Ridgway, Havant, Hampshire, PO9 1LS Classification: Photocopiers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	645	-	470796 106059
235	**Contemporary Trade Directory Entries** Name: H P S Printing Ltd Location: 7 Kingscroft Ct,Ridgway, Havant, Hampshire, PO9 1LS Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	656	-	470806 106050
235	**Contemporary Trade Directory Entries** Name: Mdp Location: 7,Kingscroft Ct,Ridgway, Havant, Hampshire, PO9 1LS Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	656	-	470806 106050
235	**Contemporary Trade Directory Entries** Name: Acorn Engineering Location: Unit G, Kingscroft Court, Ridgway, Havant, Hampshire, PO9 1LS Classification: Machinery - Industrial & Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	657	-	470806 106051
235	**Contemporary Trade Directory Entries** Name: Acorn Engineering Havant Ltd Location: Unit 6, Kingscroft Court, Ridgway, Havant, PO9 1LS Classification: Engineers - General **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	667	-	470816 106047

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
235	**Contemporary Trade Directory Entries** Name: Target Precision Engineering Ltd Location: Unit F, Kingscroft Court, Ridgway, Havant, Hampshire, PO9 1LS Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	667	-	470816 106047
236	**Contemporary Trade Directory Entries** Name: Budgens Vehical Movements Location: 42, Penhurst Road, Havant, Hampshire, PO9 3NX Classification: Breakdown and Recovery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	662	-	469741 106851
237	**Contemporary Trade Directory Entries** Name: Deep Sea Seals Ltd Location: 4, Marples Way, Havant, Hampshire, PO9 1NX Classification: Marine Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	665	-	470815 106182
237	**Contemporary Trade Directory Entries** Name: John Crane Location: 4, Marples Way, Havant, Hampshire, PO9 1NX Classification: Marine Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	665	-	470815 106182
237	**Contemporary Trade Directory Entries** Name: Deep Sea Seals Location: 4, Marples Way, Havant, Hampshire, PO9 1NX Classification: Marine Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	685	-	470837 106142
238	**Contemporary Trade Directory Entries** Name: Premier Pallet Supplies Ltd Location: Palk Road, Havant, Hampshire, PO9 1NL Classification: Pallets, Crates & Packing Cases **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	689	-	470760 106471
238	**Contemporary Trade Directory Entries** Name: Premier Pallet Supplies Location: Palk Road, HAVANT, Hampshire, PO9 1NL Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	689	-	470760 106471
239	**Contemporary Trade Directory Entries** Name: R J B Performance Location: 28, Lester Avenue, Havant, Hampshire, PO9 3HE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	695	-	470467 106861
240	**Contemporary Trade Directory Entries** Name: Ian Golds Tackle Developments Ltd Location: 4, Scratchface Lane, Havant, Hampshire, PO9 3NG Classification: Fishing & Angling Equipment - Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	697	-	470167 106965
241	**Contemporary Trade Directory Entries** Name: G J Winter International Location: Harts Farm Way Depot, Harts Farm Way, Havant, Hampshire, PO9 1JN Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	704	-	470772 105781
241	**Contemporary Trade Directory Entries** Name: E C Tooling Systems Ltd Location: 1, Havant Business Centre, Harts Farm Way, Havant, Hampshire, PO9 1HU Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	706	-	470791 105815
241	**Contemporary Trade Directory Entries** Name: Oberon Engineering Ltd Location: 6, Havant Business Centre, Harts Farm Way, Havant, Hampshire, PO9 1HU Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	706	-	470791 105815

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	**Contemporary Trade Directory Entries** Name: Fleet Repair Centre Location: 9-10, Havant Business Centre, Harts Farm Way, Havant, Hampshire, PO9 1HU Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	706	-	470791 105815
241	**Contemporary Trade Directory Entries** Name: Tal Uk Location: 8, Havant Business Centre, Harts Farm Way, Havant, Hampshire, PO9 1HU Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	706	-	470791 105815
241	**Contemporary Trade Directory Entries** Name: Lynx Garage Location: 2, Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	706	-	470791 105815
241	**Contemporary Trade Directory Entries** Name: Crown Press Location: 14, Havant Business Centre, Harts Farm Way, Havant, Hampshire, PO9 1HU Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	746	-	470834 105811
242	**Contemporary Trade Directory Entries** Name: Wilson Flyer Location: 26, Scratchface Lane, Havant, Hampshire, PO9 3NG Classification: Boatbuilders & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	708	-	470027 106974
243	**Contemporary Trade Directory Entries** Name: Hsp Plastics Plc Location: Unit C, Kingscroft Court, Ridgway, Havant, Hampshire, PO9 1LS Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	709	-	470859 106052
243	**Contemporary Trade Directory Entries** Name: Hsp Plastics Plc Location: Unit C, Kingscroft Court, Ridgway, Havant, Hampshire, PO9 1LS Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	709	-	470859 106052
243	**Contemporary Trade Directory Entries** Name: Macvere Engineering Ltd Location: Unit 2-3, Kingscroft Court, Ridgway, Havant, Hampshire, PO9 1LS Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	714	-	470866 106067
243	**Contemporary Trade Directory Entries** Name: Drivein M O T Location: Havant, PO9 1NT Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	714	-	470866 106067
244	**Contemporary Trade Directory Entries** Name: Advanced Coating Technology Ltd Location: Brockhampton Rd, Havant, Hampshire, PO9 1JU Classification: Metal Finishing Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	725	-	470841 105888
244	**Contemporary Trade Directory Entries** Name: Drive In Mot Ltd Location: Brockhampton Road, Havant, Hampshire, PO9 1JU Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	738	-	470864 105918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
244	**Contemporary Trade Directory Entries** Name: Premier Sheet Metal & Engineering Co Ltd Location: Brockhampton Road, Havant, Hampshire, PO9 1JU Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	738	-	470864 105918
244	**Contemporary Trade Directory Entries** Name: M M P Electrovibe Uk Ltd Location: Brockhampton Road, HAVANT, Hampshire, PO9 1JU Classification: Metal Finishing Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	753	-	470869 105882
244	**Contemporary Trade Directory Entries** Name: Northshore Composites Ltd Location: Brockhampton Road, Havant, Hampshire, PO9 1JU Classification: Boatbuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	753	-	470869 105882
245	**Contemporary Trade Directory Entries** Name: Advanced Coating Technology Ltd Location: Brockhampton Road, Havant, Hampshire, PO9 1JU Classification: Metal Finishing Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	730	-	470866 105958
246	**Contemporary Trade Directory Entries** Name: Spectrum Work Place Location: 2, Marples Way, Havant, Hampshire, PO9 1UH Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	734	-	470888 106123
247	**Contemporary Trade Directory Entries** Name: John Davidson Ltd Location: Palk Rd, Havant, Hampshire, PO9 1NL Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	747	-	470808 106510
247	**Contemporary Trade Directory Entries** Name: Flyght Travel Location: Palk Rd, Havant, Hampshire, PO9 1NL Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	754	-	470814 106514
248	**Contemporary Trade Directory Entries** Name: Accident Repair Centre Location: West Street, Havant, Hampshire, PO9 1LR Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	790	-	470837 106558
248	**Contemporary Trade Directory Entries** Name: Seward Group Ltd Location: West Street, Havant, Hampshire, PO9 1LT Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	821	-	470877 106538
249	**Contemporary Trade Directory Entries** Name: Jewson Location: 2, Solent Road, Havant, PO9 1JH Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	813	-	470960 106017
250	**Contemporary Trade Directory Entries** Name: M J Rose Location: 65, Hillmead Gardens, Havant, Hampshire, PO9 3NN Classification: Power Flushing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	832	-	469564 106955
251	**Contemporary Trade Directory Entries** Name: S Restall Location: 10, New Road, Havant, Hampshire, PO9 1DE Classification: Stained Glass Designers & Producers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	848	-	470874 106619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
251	**Contemporary Trade Directory Entries** Name: Rapid Fit Location: New Rd, Havant, Hampshire, PO9 1DE Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	873	-	470884 106656
252	**Contemporary Trade Directory Entries** Name: Havant Plant Hire Ltd Location: Spring Plot Brockhampton Road, Havant, Hampshire, PO9 1NU Classification: Plant & Machinery Repairs **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	866	-	471005 106274
253	**Contemporary Trade Directory Entries** Name: A R C Location: West Street, Havant, Hampshire, PO9 1LR Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SE (E)	872	-	470943 106497
254	**Contemporary Trade Directory Entries** Name: E M P Tooling Location: 4, Solent Road, Havant, Hampshire, PO9 1JH Classification: Tool Design, Manufacturers & Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	873	-	471023 106040
254	**Contemporary Trade Directory Entries** Name: Halfords Autocentre Location: Unit 3 Solent Trade Park,Solent Road, Havant, Hampshire, PO9 1JH Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	875	-	471025 106036
254	**Contemporary Trade Directory Entries** Name: T & C Precision Location: 4, Solent Road, HAVANT, Hampshire, PO9 1JH Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	876	-	471025 106033
254	**Contemporary Trade Directory Entries** Name: Hilton Engineering Location: 6 Solent Rd, Havant, Hampshire, PO9 1JH Classification: Plastics - Injection Moulding **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A15SW (E)	910	-	471060 106044
255	**Contemporary Trade Directory Entries** Name: Lewmar Location: Southmoor Lane, Havant, PO9 1JJ Classification: Marine Equipment & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (E)	902	-	470985 105767
255	**Contemporary Trade Directory Entries** Name: Lewmar Marine Ltd Location: Southmoor Lane, Havant, Hampshire, PO9 1JJ Classification: Marine Engineering Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (E)	902	-	470985 105767
256	**Contemporary Trade Directory Entries** Name: Tudor Blinds Location: 50, Park Lane, Bedhampton, Havant, PO9 3HL Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (N)	912	-	470435 107119
257	**Contemporary Trade Directory Entries** Name: Seward Accident Repair Centres Ltd Location: Langstone House, Southmoor Lane, Havant, Hampshire, PO9 1JW Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A9NE (SE)	937	-	470927 105589
257	**Contemporary Trade Directory Entries** Name: Southmoore Screen Printing Location: Southmoor Lane, Havant, Hampshire, PO9 1JW Classification: Screen Process Printers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A9NE (SE)	937	-	470927 105589

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	**Contemporary Trade Directory Entries** Name: Dot In Print Location: Unit 5 Beaver Indust Est,Southmoor La, Havant, Hampshire, PO9 1JW Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	971	-	470961 105578
258	**Contemporary Trade Directory Entries** Name: Allport Packaging Ltd Location: 2-8, Solent Road, Havant, Hampshire, PO9 1JH Classification: Case Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (E)	944	-	471094 106042
258	**Contemporary Trade Directory Entries** Name: Robin Sparshatt & Associates Ltd Location: 10, Solent Road, Havant, Hampshire, PO9 1JH Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (E)	984	-	471134 106033
259	**Contemporary Trade Directory Entries** Name: H B Cleaning Ltd Location: 30, Fortunes Way, Havant, Hampshire, PO9 3LZ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A11SE (W)	969	-	468934 106035
260	**Contemporary Trade Directory Entries** Name: Complete Commercials Location: New Rd, Havant, Hampshire, PO9 1DE Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	975	-	470964 106723
261	**Contemporary Trade Directory Entries** Name: The Dyson Hub Location: Unit 10f Solent Road, Havant, Hampshire, PO9 1JH Classification: Vacuum Cleaners - Sales & Service **Status: Active** Positional Accuracy: Manually positioned to the address or location	A15SW (E)	983	-	471129 105999
262	**Contemporary Trade Directory Entries** Name: The Hampshire Joinery Company Location: 8, Hazelwood Avenue, Havant, Hampshire, PO9 3RE Classification: Homefurnishings - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A22SE (N)	985	-	469659 107165
263	**Contemporary Trade Directory Entries** Name: Seward Accident Repair Centre Location: Beaver Indu Estate,Southmoor La, Havant, Hampshire, PO9 1JW Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	989	-	470961 105546
264	**Contemporary Trade Directory Entries** Name: Seward Arc Location: Southmoor la, Havant, Hampshire, PO9 1JW Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	993	-	470994 105588
264	**Contemporary Trade Directory Entries** Name: Havant Crane Hire Ltd Location: Southmoor La, Havant, Hampshire, PO9 1JW Classification: Crane Hire, Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	993	-	470994 105588
265	**Contemporary Trade Directory Entries** Name: Mustrade Blinds & Shutters Location: Southmoor Lane Workspace, Southmoor Lane, Havant, PO9 1JW Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	994	-	471027 105642
265	**Contemporary Trade Directory Entries** Name: Total Appliance Repair Location: Southmoor Lane Workspace, Southmoor Lane, Havant, PO9 1JW Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	994	-	471027 105642

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
266	**Fuel Station Entries** Name: Cambridge Garage Location: 23 Bedhampton Road, HAVANT, Hampshire, PO9 3ES Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	567	-	470568 106592
267	**Fuel Station Entries** Name: Havant Lorry Park Location: Southmoor Lane, HAVANT, Hampshire, PO9 1JW Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	880	-	470946 105735
268	**Points of Interest - Commercial Services** Name: Select Freight Ltd Location: 42 Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (SE)	406	8	470417 105807
268	**Points of Interest - Commercial Services** Name: Select Freight Ltd Location: 42-43 Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (SE)	406	8	470417 105807
269	**Points of Interest - Commercial Services** Name: Hopkins Recycling Ltd Location: Harts, Farm Way, Havant, PO9 1JN Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SW (SE)	472	8	470516 105814
270	**Points of Interest - Commercial Services** Name: Scratchmaster Location: 10 Glebe Park Avenue, Havant, PO9 3JR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (NW)	506	8	469475 106404
270	**Points of Interest - Commercial Services** Name: Scratchmaster Car Painters Location: 10 Glebe Park Avenue, Havant, PO9 3JR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (NW)	506	8	469475 106404
271	**Points of Interest - Commercial Services** Name: National Tyres and Autocare Location: 27 Bedhampton Road, Havant, PO9 3ES Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	551	8	470541 106601
271	**Points of Interest - Commercial Services** Name: National Tyres and Autocare Location: 27 Bedhampton Road, Havant, PO9 3ES Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	552	8	470542 106602
271	**Points of Interest - Commercial Services** Name: Cambridge Garage Location: 23 Bedhampton Road, Havant, PO9 3ES Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	567	8	470568 106592
271	**Points of Interest - Commercial Services** Name: Kwik Clutch Location: 60-62 Bedhampton Road, Havant, PO9 3EY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	584	8	470552 106641

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
272	**Points of Interest - Commercial Services** Name: Solent Motor Services Ltd Location: 2 Ridgway, Havant, PO9 1QJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	617	8	470770 106128
272	**Points of Interest - Commercial Services** Name: Solent Motor Services Location: 2 Ridgway, Havant, PO9 1QJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	617	8	470770 106128
273	**Points of Interest - Commercial Services** Name: Deesand M O T's & Tyres Location: Harts Farm Way, Havant, PO9 1JN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (SE)	641	8	470712 105802
273	**Points of Interest - Commercial Services** Name: Havant Salvage Location: 4 Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14SE (E)	706	8	470791 105815
273	**Points of Interest - Commercial Services** Name: Lynx Garage Havant Location: 2 Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	706	8	470791 105815
273	**Points of Interest - Commercial Services** Name: Fleet Repair Centre Location: 9-10 Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	706	8	470791 105815
273	**Points of Interest - Commercial Services** Name: Lynx Garage Location: 2 Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	706	8	470791 105815
273	**Points of Interest - Commercial Services** Name: Fleet Repair Centre Location: 9-10 Havant Business Centre, Harts Farm Way, Havant, PO9 1HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	706	8	470791 105815
274	**Points of Interest - Commercial Services** Name: R J B Location: 28 Lester Avenue, Havant, PO9 3HE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	695	8	470467 106861
275	**Points of Interest - Commercial Services** Name: Vision Travel Ltd Location: Palk Road, Havant, PO9 1NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	700	8	470774 106465
276	**Points of Interest - Commercial Services** Name: Drivein M O T Location: Unit 3 Premier Buildings, Brockhampton Road, Havant, PO9 1NT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	714	8	470865 106067
277	**Points of Interest - Commercial Services** Name: Premier Sheet Metal & Engineering Co Ltd Location: Brockhampton Road, Havant, PO9 1JU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SE (E)	738	8	470864 105918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	**Points of Interest - Commercial Services** Name: Premier Sheet Metal & Engineering Co Ltd Location: Brockhampton Road, Havant, PO9 1JU Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SE (E)	738	8	470864 105918
278	**Points of Interest - Commercial Services** Name: Mobile Auto Repairs Location: 24 Hulbert Road, Havant, PO9 3TF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	782	8	470292 107028
279	**Points of Interest - Commercial Services** Name: Accident Repair Centre Location: West Street, Havant, PO9 1LR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	790	8	470837 106558
279	**Points of Interest - Commercial Services** Name: A R C Location: West Street, Havant, PO9 1LR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	790	8	470836 106558
279	**Points of Interest - Commercial Services** Name: Accident Repair Centre Havant UK Ltd Location: West Street, Havant, PO9 1LR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	790	8	470837 106558
280	**Points of Interest - Commercial Services** Name: Havant Vehicle Wash Location: Havant Lorry Park, Southmoor Lane, Havant, PO9 1JW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9NE (SE)	809	8	470865 105733
281	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	55	8	469855 106093
282	**Points of Interest - Manufacturing and Production** Name: Tank (Disused) Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	113	8	470171 105988
283	**Points of Interest - Manufacturing and Production** Name: Basepoint Business Centre Location: Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9NW (SE)	444	8	470402 105748
284	**Points of Interest - Manufacturing and Production** Name: Basepoint Business Centre Location: 1 Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9NW (SE)	485	8	470461 105742
284	**Points of Interest - Manufacturing and Production** Name: Basepoint Business Centre Location: 10 Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9NW (SE)	485	8	470461 105742

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
284	**Points of Interest - Manufacturing and Production** Name: Broadmarsh Business & Innovation Centre Location: 10 Broadmarsh Business & Innovation Centre, Harts Farm Way, Havant, PO9 1HS Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9NW (SE)	485	8	470461 105742
284	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	558	8	470473 105659
284	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	577	8	470496 105652
284	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	578	8	470502 105656
284	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	579	8	470506 105658
284	**Points of Interest - Manufacturing and Production** Name: Works Location: PO9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	582	8	470471 105627
284	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	584	8	470475 105627
284	**Points of Interest - Manufacturing and Production** Name: Tanks Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	586	8	470505 105648
284	**Points of Interest - Manufacturing and Production** Name: Tanks Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	625	8	470546 105631
285	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: PO9 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	574	8	470727 106114
286	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	634	8	470559 105629
286	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	635	8	470557 105627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
287	**Points of Interest - Manufacturing and Production** Name: Works Location: PO9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	675	8	470721 105752
287	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	677	8	470724 105753
287	**Points of Interest - Manufacturing and Production** Name: Havant Business Centre Location: PO9 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (SE)	712	8	470787 105793
288	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	724	8	470857 105946
288	**Points of Interest - Manufacturing and Production** Name: Works Location: PO9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	724	8	470857 105946
288	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	767	8	470877 105862
288	**Points of Interest - Manufacturing and Production** Name: Works Location: PO9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	767	8	470877 105862
289	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	823	8	469263 105581
290	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	847	8	470973 105904
290	**Points of Interest - Manufacturing and Production** Name: Works Location: PO9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	847	8	470973 105904
290	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	916	8	471047 105916
290	**Points of Interest - Manufacturing and Production** Name: Works Location: PO9 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	916	8	471047 105916

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	**Points of Interest - Manufacturing and Production** Name: Tank Location: PO9 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	890	8	471032 106253
292	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: PO9 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	911	8	470973 105720
293	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	60	8	470166 106253
293	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	152	8	470251 106298
293	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	156	8	470235 106349
294	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	130	8	470162 106385
295	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	153	8	470299 106071
295	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	179	8	470331 106102
296	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	281	8	470261 105844
296	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	363	8	470318 105785
297	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	317	8	470422 106284
298	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	413	8	470547 106239

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
298	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	441	8	470556 106295
298	**Points of Interest - Public Infrastructure** Name: Weirs Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	514	8	470639 106283
299	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	582	8	470692 106337
300	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	596	8	469838 105398
301	**Points of Interest - Public Infrastructure** Name: Bedhampton Rail Station Location: Palk Road, PO9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A19SE (NE)	681	8	470735 106518
301	**Points of Interest - Public Infrastructure** Name: Bedhampton Station Location: Palk Road, PO9 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A19SE (NE)	681	8	470735 106518
302	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	687	8	470123 105303
303	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	690	8	470691 105684
303	**Points of Interest - Public Infrastructure** Name: T J Waste Location: Harts Farm Way Depot, Harts Farm Way, Havant, PO9 1JN Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9NE (SE)	704	8	470771 105780
303	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	714	8	470744 105716
304	**Points of Interest - Public Infrastructure** Name: Sluice Location: PO3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	834	8	469410 105372
305	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	873	8	470926 106556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
306	**Points of Interest - Public Infrastructure** Name: Weir Location: PO9 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15NW (E)	949	8	471090 106268
307	**Points of Interest - Public Infrastructure** Name: Budds Farm Sewage Works Location: PO9 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9NE (SE)	951	8	470846 105465
308	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	416	8	470473 106456
308	**Points of Interest - Recreational and Environmental** Name: Playground Location: King'S Croft Lane, PO9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	417	8	470473 106457
309	**Points of Interest - Recreational and Environmental** Name: Playground Location: Scratchface Lane, PO9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	723	8	469937 106974
309	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	724	8	469929 106973

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
310	**Ancient Woodland** Name: Not Supplied Reference: 1489282 Area(m²): 32441.88 Type: Plantation on Ancient Woodland	A17NE (NW)	866	9	469534 106978
311	**Nitrate Vulnerable Zones** Name: Chichester,Langstone And Portsmouth Harbours Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	A13NE (SW)	0	10	470028 106130
312	**Ramsar Sites** Name: Chichester And Langstone Harbours Multiple Areas: Y Total Area (m2): 58130847.71 Source: Natural England Reference: UK11013 Designation Date: Not Supplied	A8SW (S)	593	9	469851 105398
313	**Sites of Special Scientific Interest** Name: Langstone Harbour Multiple Areas: Y Total Area (m2): 20854313.42 Source: Natural England Reference: 1001182 Designation Details: Local Nature Reserve Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Local Wildlife Site Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Ramsar Site Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Special Protection Area Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 22nd February 1985 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 22nd February 1985 Date Type: Notified	A8SW (S)	593	9	469851 105398
314	**Special Areas of Conservation** Name: Solent Maritime Multiple Areas: Y Total Area (m2): 112408255.03 Source: Natural England Reference: UK0030059 **Status: Designated**	A8SW (S)	592	9	469850 105399
315	**Special Protection Areas** Name: Chichester And Langstone Harbours Multiple Areas: Y Total Area (m2): 58130847.71 Source: Natural England Reference: UK9011011 Designation Date: Not Supplied	A8SW (S)	593	9	469851 105398

Geo-Environmental

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
East Hampshire District Council - Environmental Health Department	January 2015	Annual Rolling Update
Havant Borough Council - Environmental Health Department	January 2015	Annual Rolling Update
Chichester District Council - Environmental Health Department	July 2013	Annual Rolling Update
Portsmouth City Council - Health and Trading Standards	October 2014	Annual Rolling Update
Winchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	July 2017	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - South East Region - Solent & South Downs Area	July 2017	Quarterly
Environment Agency - Southern Region	July 2017	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Portsmouth City Council - Environmental Health Department	August 2014	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	December 2014	Annual Rolling Update
Winchester City Council - Environmental Health Department	December 2014	Annual Rolling Update
Havant Borough Council - Environmental Health Department	December 2015	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Portsmouth City Council - Environmental Health Department	August 2014	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	December 2014	Annual Rolling Update
Winchester City Council - Environmental Health Department	December 2014	Annual Rolling Update
Havant Borough Council - Environmental Health Department	December 2015	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Portsmouth City Council - Environmental Health Department	August 2014	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	December 2014	Annual Rolling Update
Winchester City Council - Environmental Health Department	December 2014	Annual Rolling Update
Havant Borough Council - Environmental Health Department	December 2015	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	May 2017	
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		
Environment Agency - Southern Region	January 2015	
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

Data Currency

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register		
Environment Agency - South East Region - Solent & South Downs Area	July 2017	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	July 2017	Quarterly
Environment Agency - Southern Region - Solent and South Downs	July 2017	Quarterly
Environment Agency - Southern Region - Sussex Area	July 2017	Quarterly
Water Abstractions		
Environment Agency - Southern Region	April 2017	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	July 2017	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	July 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2017	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2017	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2017	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2017	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2017	Quarterly
OS Water Network Lines		
Ordnance Survey	April 2017	6 Weekly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability		
Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually

Geo-Environmental

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	May 2017	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - Solent & South Downs Area	May 2017	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	May 2017	Quarterly
Environment Agency - Southern Region - Solent and South Downs	May 2017	Quarterly
Environment Agency - Southern Region - Sussex Area	May 2017	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Solent & South Downs Area	July 2017	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	July 2017	Quarterly
Environment Agency - Southern Region - Solent and South Downs	July 2017	Quarterly
Environment Agency - Southern Region - Sussex Area	July 2017	Quarterly
Local Authority Landfill Coverage		
Chichester District Council - Environmental Health Department	May 2000	Not Applicable
East Hampshire District Council	May 2000	Not Applicable
Hampshire County Council - Minerals and Waste Planning	May 2000	Not Applicable
Havant Borough Council - Environmental Health Department	May 2000	Not Applicable
Portsmouth City Council - Environmental Health Department	May 2000	Not Applicable
West Sussex County Council - Environment & Development	May 2000	Not Applicable
Winchester City Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Chichester District Council - Environmental Health Department	May 2000	Not Applicable
East Hampshire District Council	May 2000	Not Applicable
Hampshire County Council - Minerals and Waste Planning	May 2000	Not Applicable
Havant Borough Council - Environmental Health Department	May 2000	Not Applicable
Portsmouth City Council - Environmental Health Department	May 2000	Not Applicable
West Sussex County Council - Environment & Development	May 2000	Not Applicable
Winchester City Council - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Hampshire Area	March 2003	Not Applicable
Environment Agency - Southern Region - Solent and South Downs	March 2003	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Hampshire Area	March 2003	Not Applicable
Environment Agency - Southern Region - Solent and South Downs	March 2003	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Hampshire Area	March 2003	Not Applicable
Environment Agency - Southern Region - Solent and South Downs	March 2003	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	March 2017	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Chichester District Council - Planning Department	February 2016	Annual Rolling Update
East Hampshire District Council	February 2016	Annual Rolling Update
Hampshire County Council - Minerals and Waste Planning	February 2016	Annual Rolling Update
Havant Borough Council - Commercial Team	February 2016	Annual Rolling Update
Portsmouth City Council - Planning Office	February 2016	Annual Rolling Update
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Winchester City Council - Planning Department	October 2015	Annual Rolling Update
Planning Hazardous Substance Consents		
Chichester District Council - Planning Department	February 2016	Annual Rolling Update
East Hampshire District Council	February 2016	Annual Rolling Update
Hampshire County Council - Minerals and Waste Planning	February 2016	Annual Rolling Update
Havant Borough Council - Commercial Team	February 2016	Annual Rolling Update
Portsmouth City Council - Planning Office	February 2016	Annual Rolling Update
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Winchester City Council - Planning Department	October 2015	Annual Rolling Update

Data Currency

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2017	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2016	Quarterly
Points of Interest - Education and Health PointX	September 2017	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2016	Quarterly
Points of Interest - Public Infrastructure PointX	September 2017	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2017	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	May 2017	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2017	Bi-Annually
Marine Nature Reserves Natural England	August 2017	Bi-Annually
National Nature Reserves Natural England	August 2017	Bi-Annually
National Parks Natural England	August 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2017 October 2015	Bi-Annually Annually
Ramsar Sites Natural England	August 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	August 2017	Bi-Annually
Special Areas of Conservation Natural England	August 2017	Bi-Annually
Special Protection Areas Natural England	August 2017	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

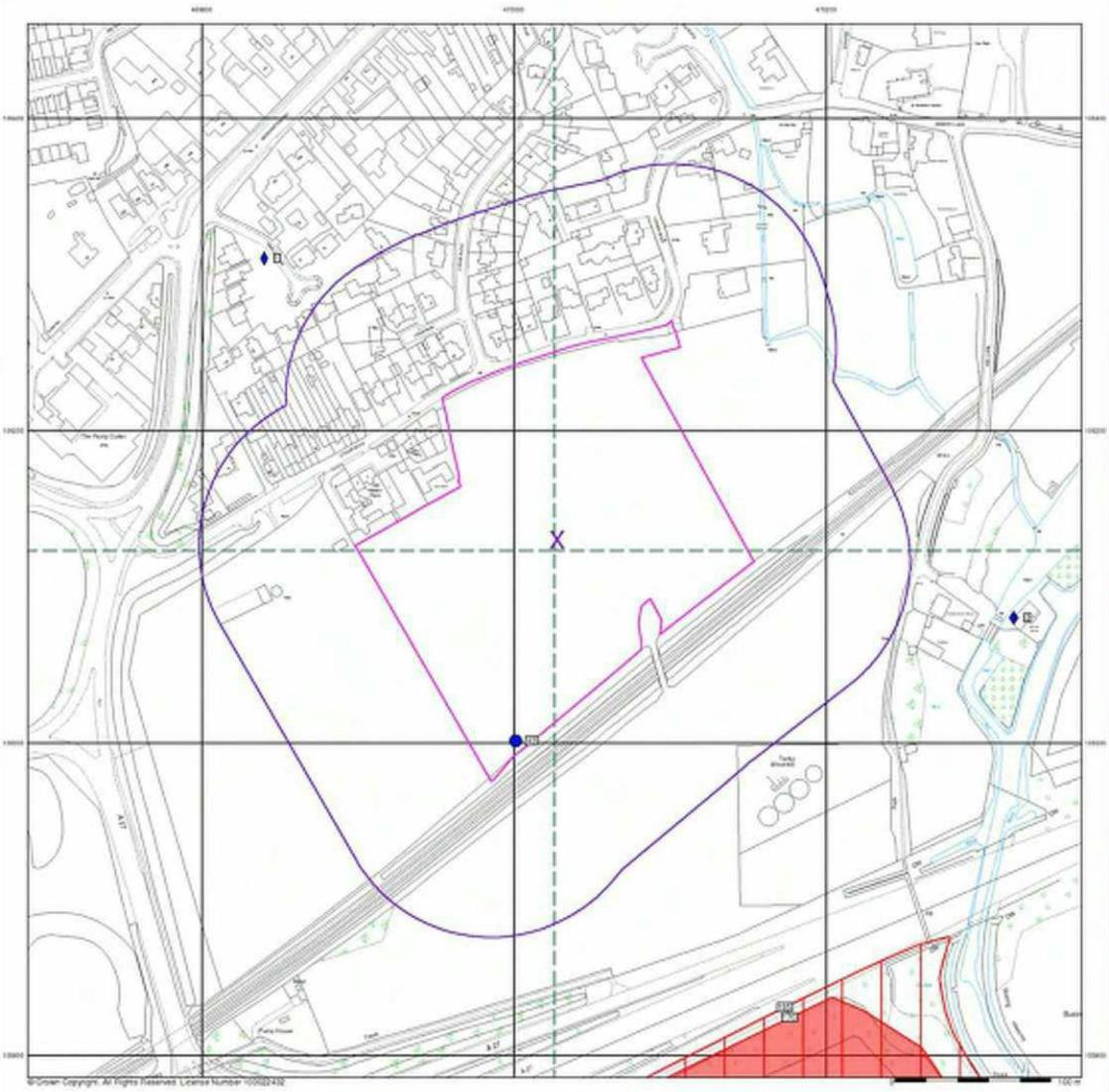
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett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

Geo-Environmental

Useful Contacts

Contact	Name and Address	Contact Details
1	**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
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 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	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 023 8079 2000 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**Hampshire County Council - Minerals and Waste Planning** Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
6	**Portsmouth City Council - Environmental Health Department** Civic Offices, Guildhall Square, Portsmouth, Hampshire, PO1 2AZ	Telephone: 023 92822251 Fax: 01705 834519 Website: www.portsmouth.gov.uk
7	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Geo-Environmental

General

- ⬭ Specified Site
- ⬭ Specified Buffer(s)
- X Bearing Reference Point
- ▯ Map ID
- ☐ Several of Type at Location
- 🟧 Pylon
- ╲ Overhead Transmission Line

Agency and Hydrological

- ● Contaminated Land Register Entry or Notice (Location)
- ▨ Contaminated Land Register Entry or Notice
- ◆ Discharge Consent
- ▲ Enforcement or Prohibition Notice
- ▲ Integrated Pollution Control
- 🟩 Integrated Pollution Prevention Control
- ■ Local Authority Integrated Pollution Prevention and Control
- △ Local Authority Pollution Prevention and Control
- ▽ Local Authority Pollution Prevention and Control Enforcement
- ● Pollution Incident to Controlled Waters
- ▼ Prosecution Relating to Authorised Processes
- ◆ Prosecution Relating to Controlled Waters
- ▲ Registered Radioactive Substance
- ╲ River Network or Water Feature
- ✚ River Quality Sampling Point
- ⬟ Substantiated Pollution Incident Register
- ◆ Water Abstraction
- ◆ Water Industry Act Referral

Hazardous Substances

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

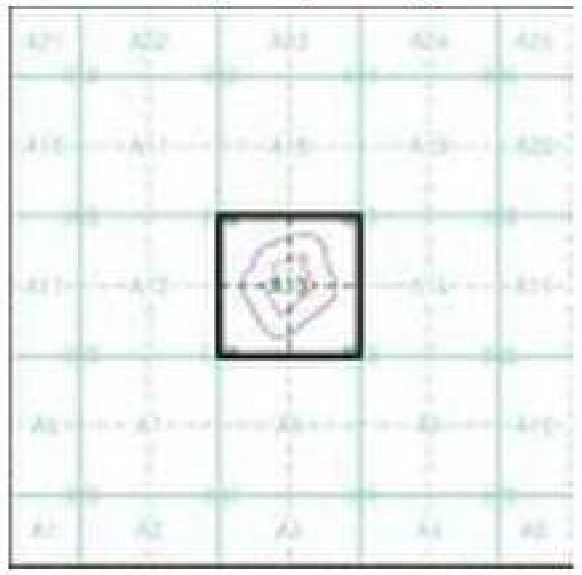
Geological

- ▼ BGS Recorded Mineral Site

Waste

- ▼ BGS Recorded Landfill Site (Location)
- ▨ BGS Recorded Landfill Site
- ● EA Historic Landfill (Buffered Point)
- 🟥 EA Historic Landfill (Polygon)
- ▲ Integrated Pollution Control Registered Waste Site
- ▨ Licensed Waste Management Facility (Landfill Boundary)
- ● Licensed Waste Management Facility (Location)
- 🟥 Local Authority Recorded Landfill Site (Location)
- ▥ Local Authority Recorded Landfill Site
- ● Potentially Infilled Land (Non-water)
- ╲ Potentially Infilled Land (Non-water)
- ▨ Potentially Infilled Land (Non-water)
- ▶ Potentially Infilled Land (Water)
- ╲ Potentially Infilled Land (Water)
- ▨ Potentially Infilled Land (Water)
- ▨ Registered Landfill Site
- ▶ Registered Landfill Site (Location)
- ▤ Registered Landfill Site (Point Buffered to 100m)
- ▤ Registered Landfill Site (Point Buffered to 250m)
- ⬟ Registered Waste Transfer Site (Location)
- ▥ Registered Waste Transfer Site
- ⬟ Registered Waste Treatment or Disposal Site (Location)
- ▨ Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13



N

Order Details

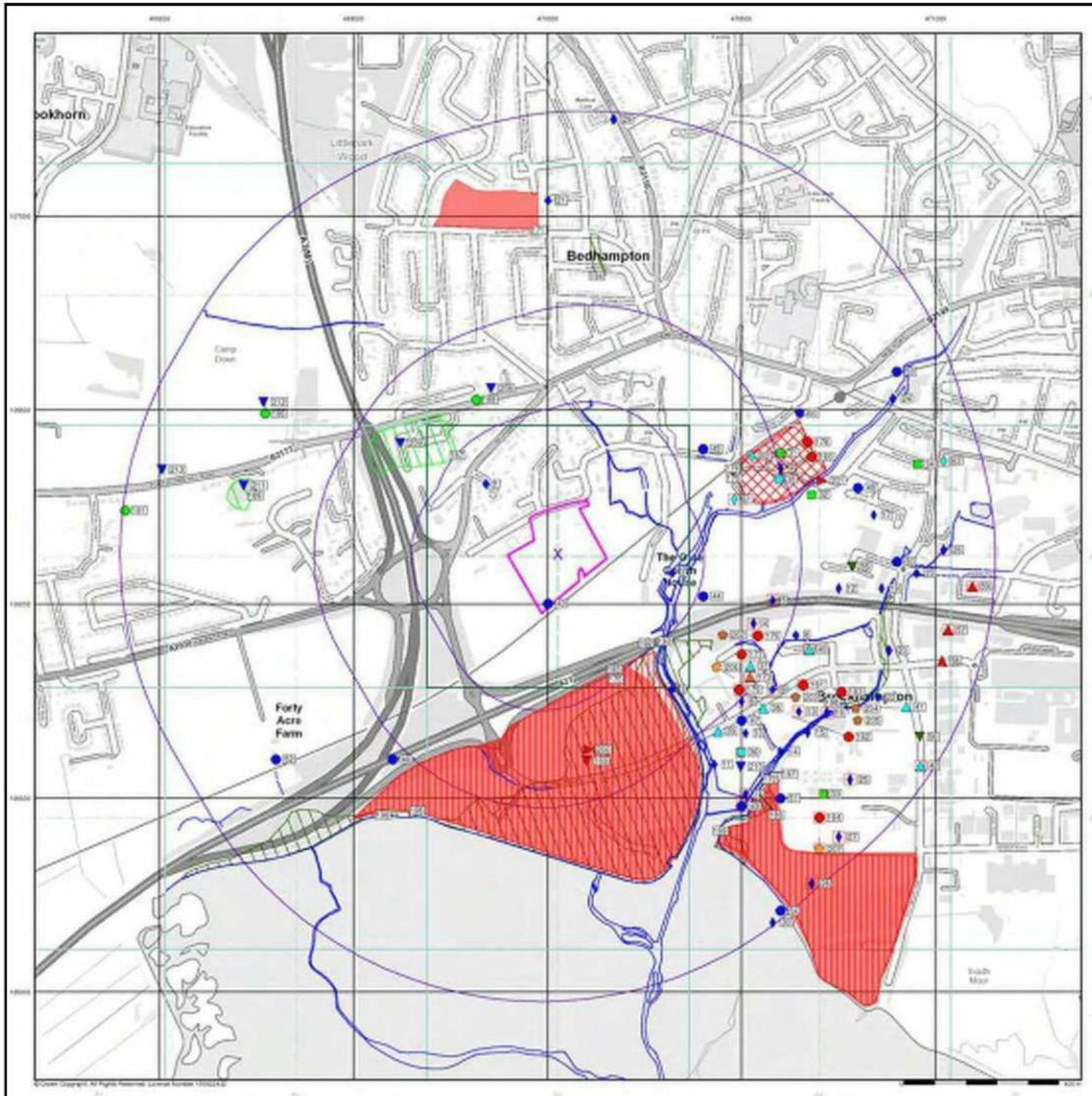
Order Number: 138907560_1_1
Customer Ref: GE16507
National Grid Reference: 470030, 106130
Slice: A
Site Area (Ha): 3.95
Plot Buffer (m): 100

Site Details

Development Site at Old Manor Farm, 13, Lower Road,
HAVANT, PO9 3NB

Landmark
INFORMATION GROUP

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



Geo-Environmental

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

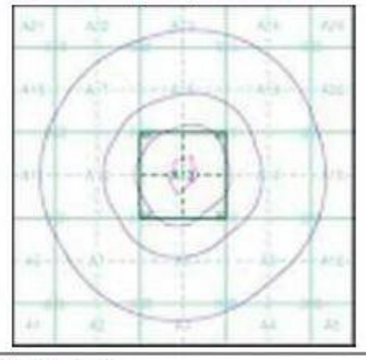
Agency and Hydrological
Contaminated Land Register Entry or Notice (Location)
Contaminated Land Register Entry or Notice
Discharge Consent
Enforcement or Prohibition Notice
Integrated Pollution Control
Integrated Pollution Prevention Control
Local Authority Integrated Pollution Prevention and Control
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
River Quality Sampling Point
Substantiated Pollution Incident Register
Water Abstraction
Water Industry Act Referral

Hazardous Substances
COMAH Site · Explosive Site
NIHHS Site
Planning Hazardous Substance Consent
Planning Hazardous Substance Enforcement

Geological
BGS Recorded Mineral Site

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

Site Sensitivity Map - Slice A



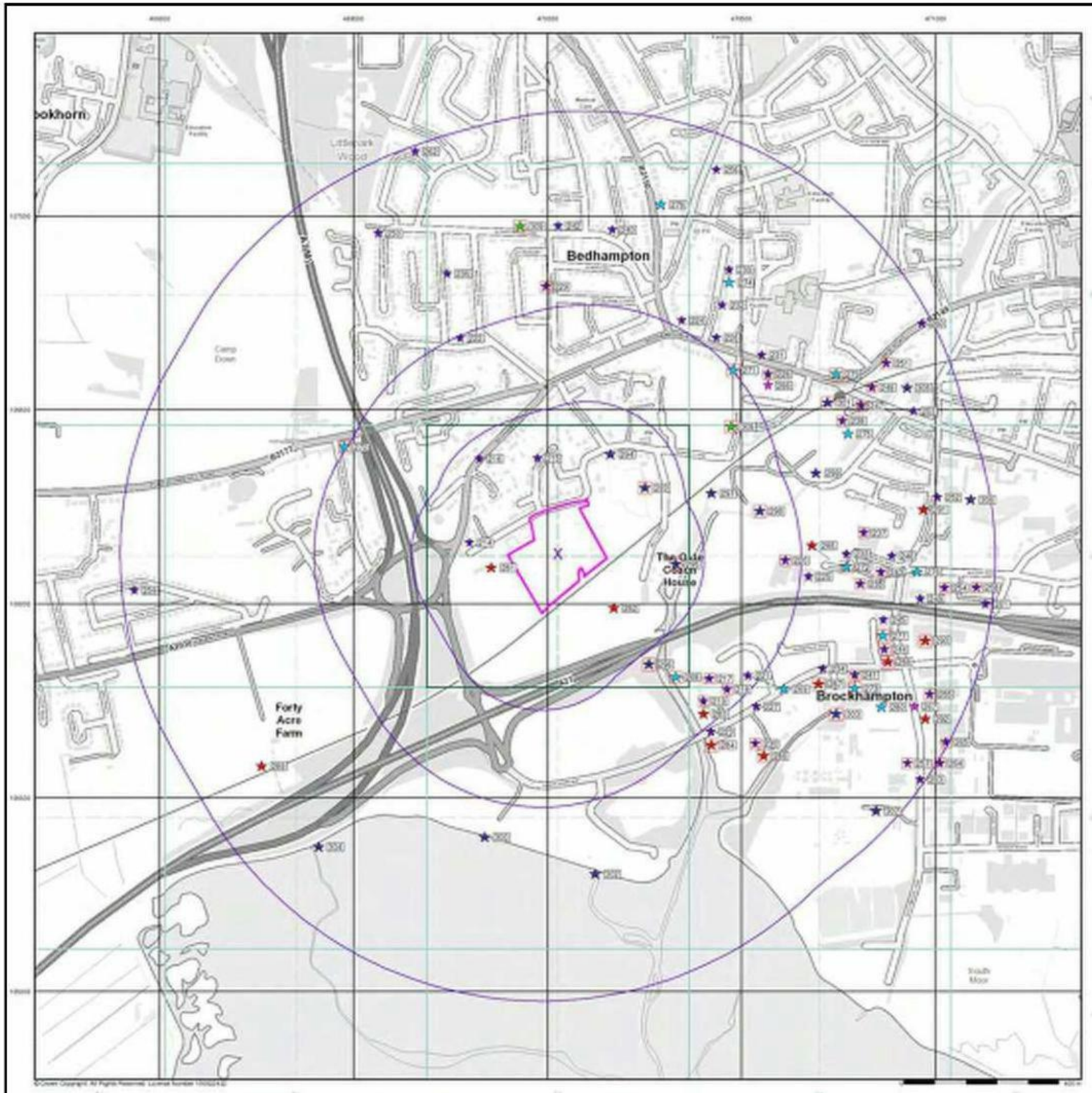
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

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

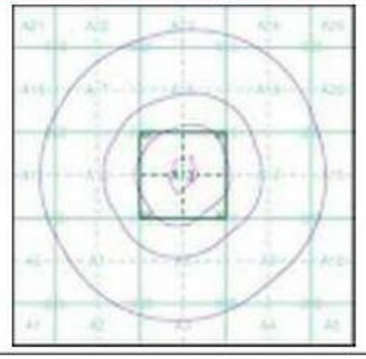


Geo-Environmental
Industrial Land Use Map

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

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

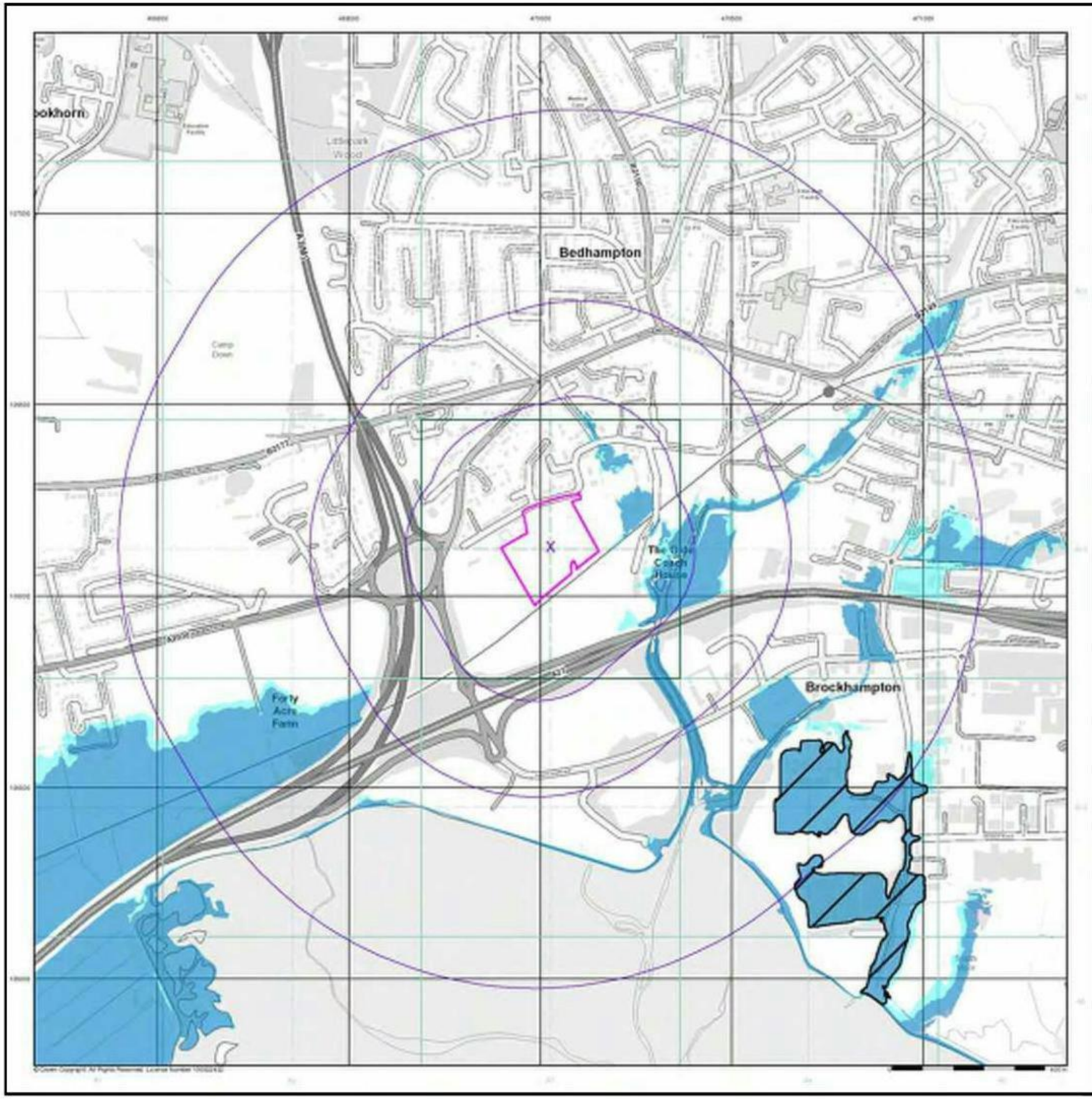
Industrial Land Use Map - Slice A



Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details
Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental

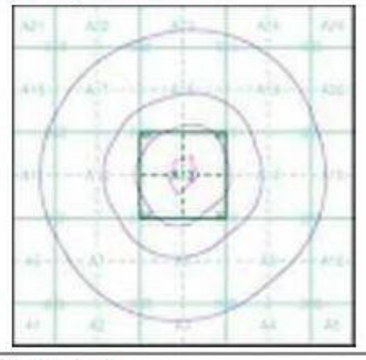
General

- 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



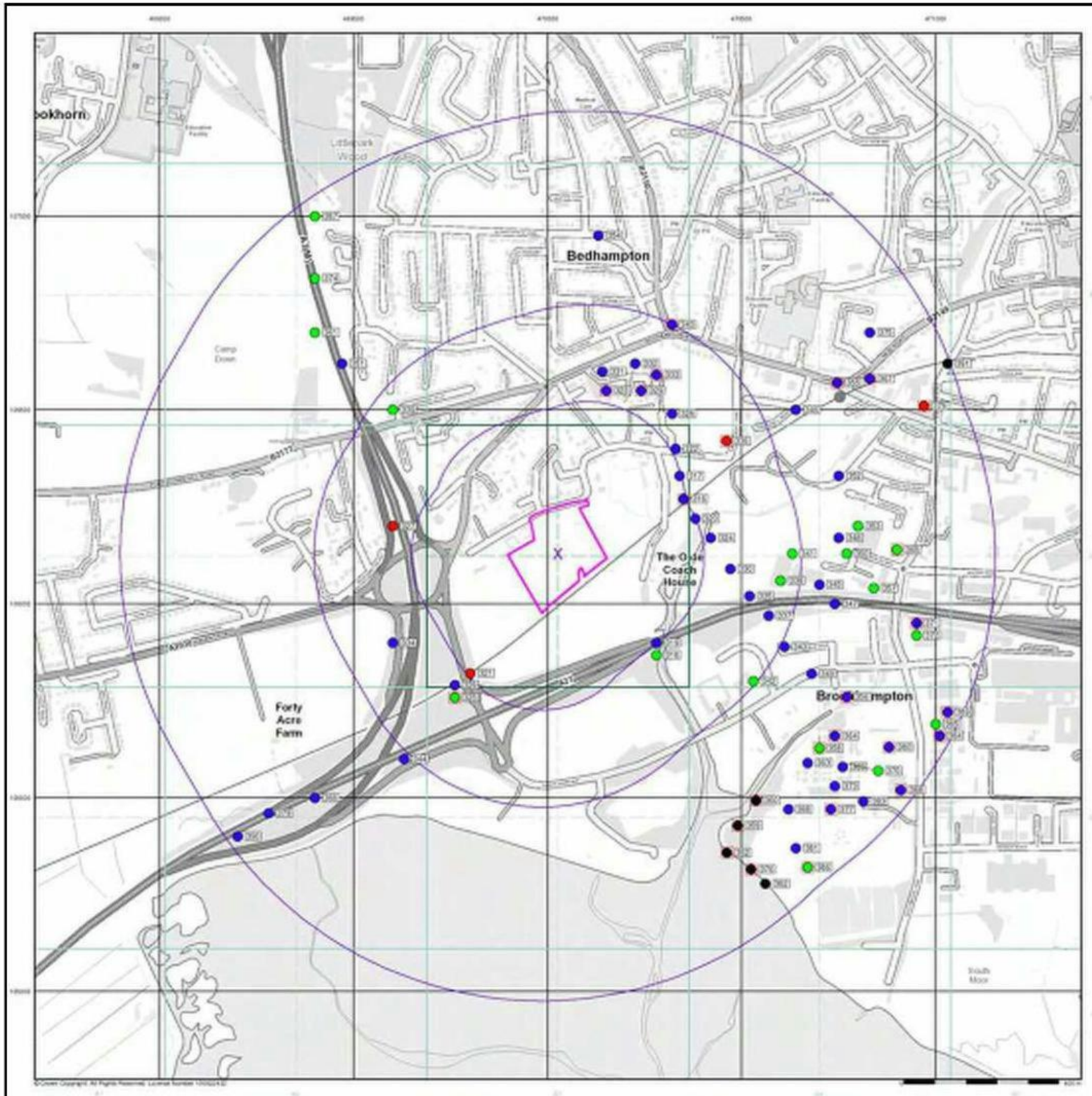
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
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

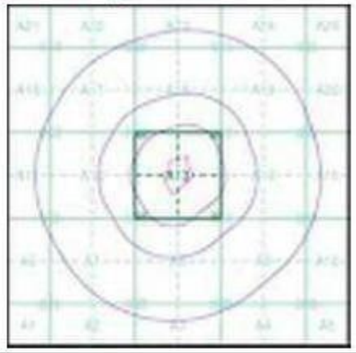
Agency and Hydrological (Boreholes)

- 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

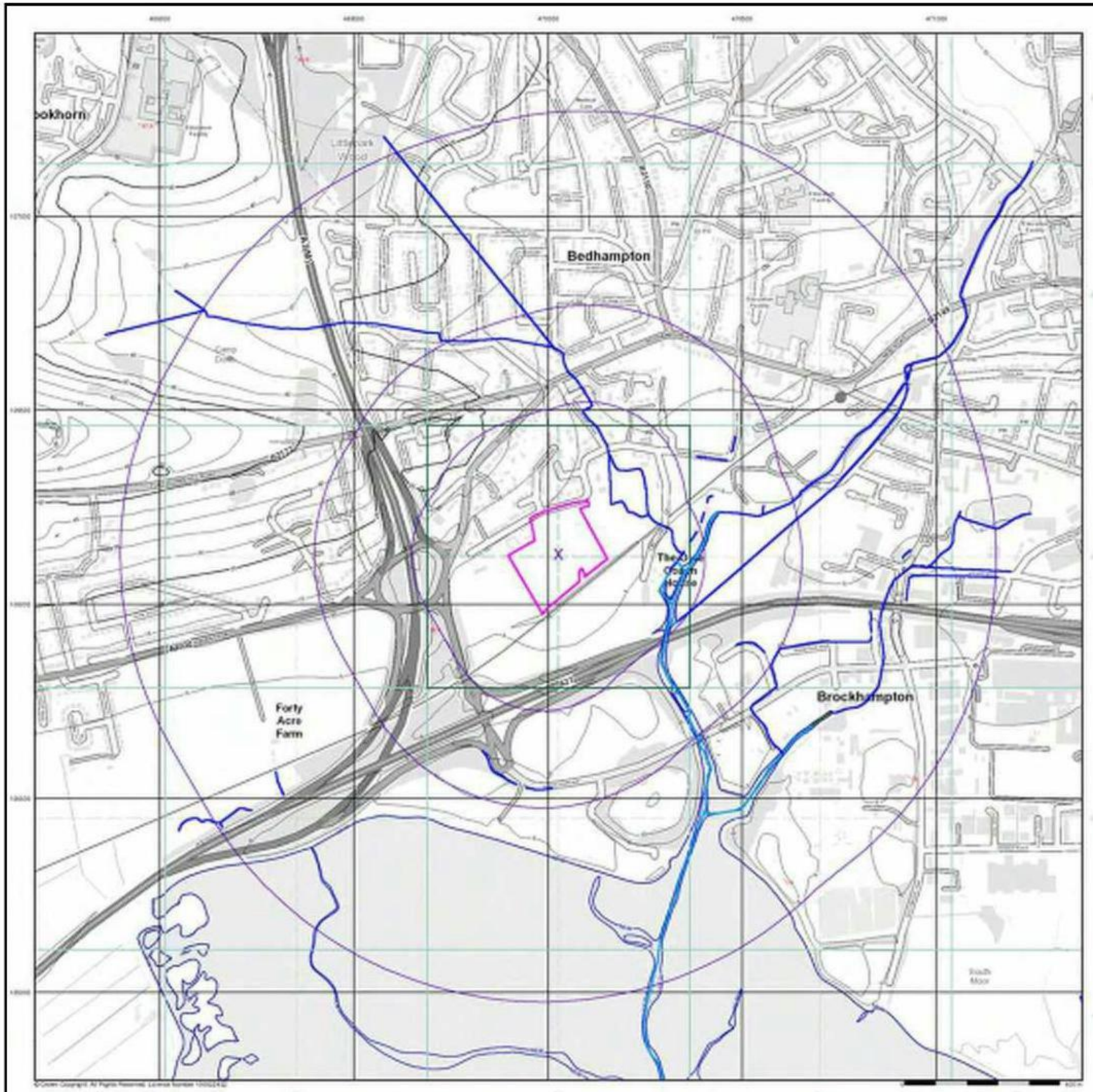
Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

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Geo-Environmental

General

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

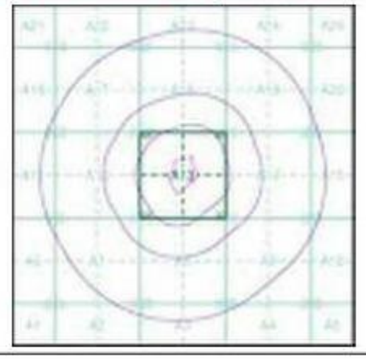
OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLWN Mean Low Water
- MHWN Mean High Water

OS Water Network Map - Slice A



N

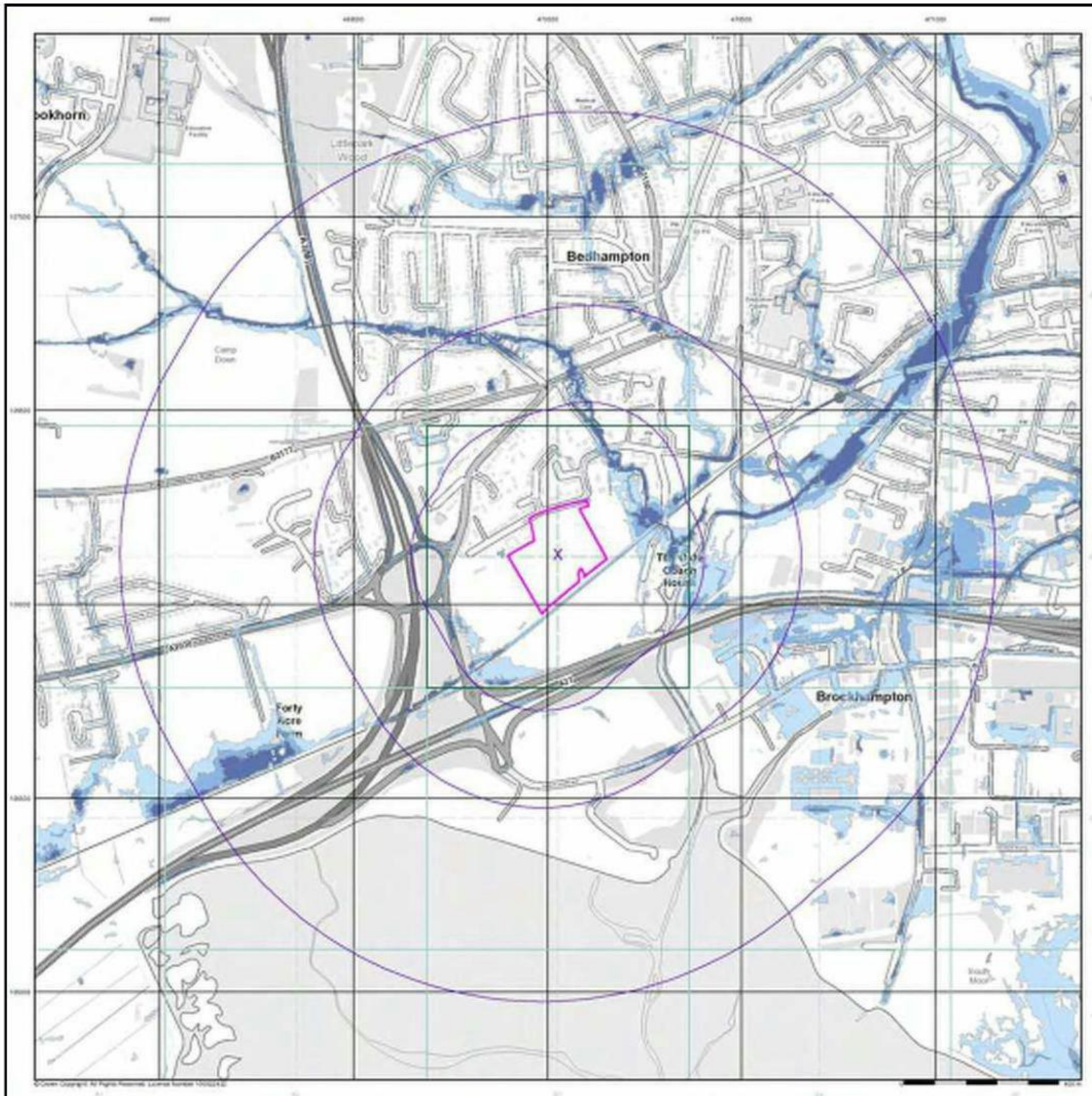
Order Details

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Geo-Environmental

General

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

Risk of Flooding from Surface Water

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

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

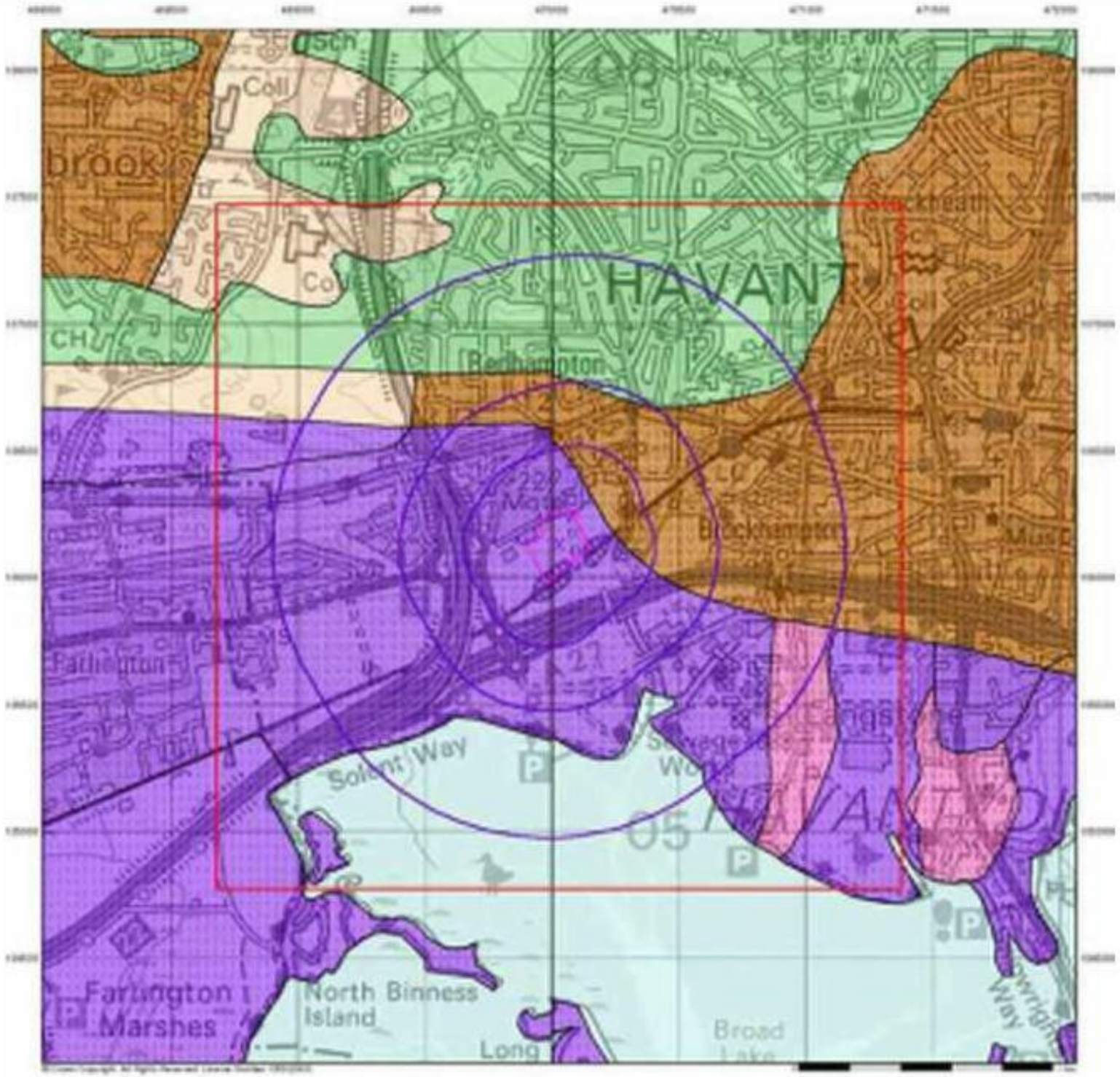
Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
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Site Details

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Geo-Environmental
Groundwater Vulnerability

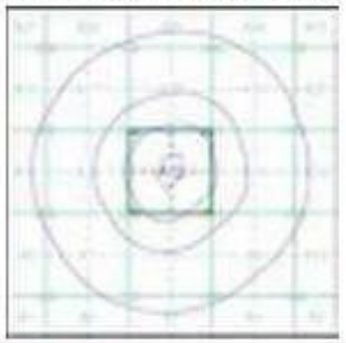
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A

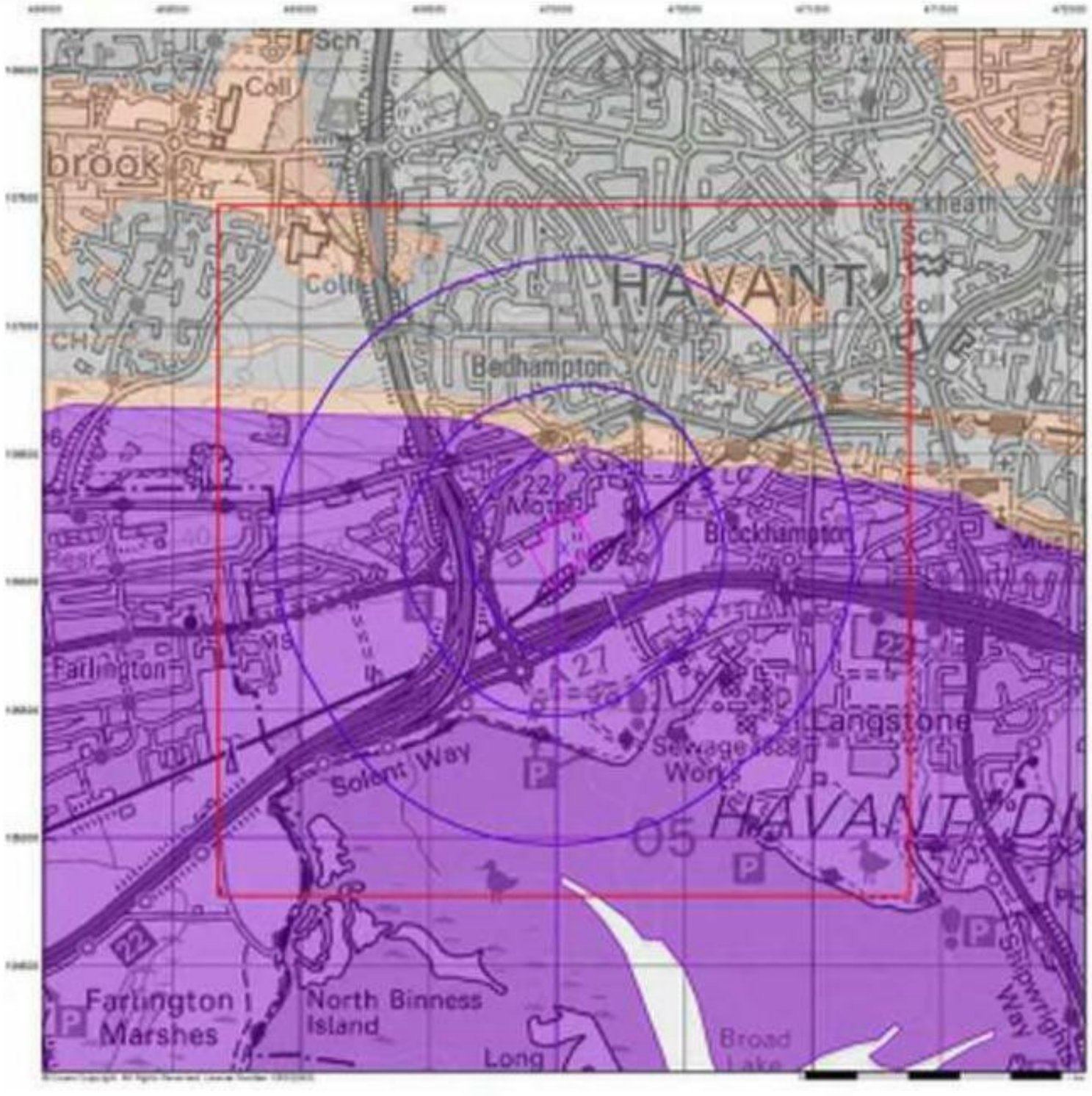


Order Details

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Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental
Bedrock Aquifer Designation

General

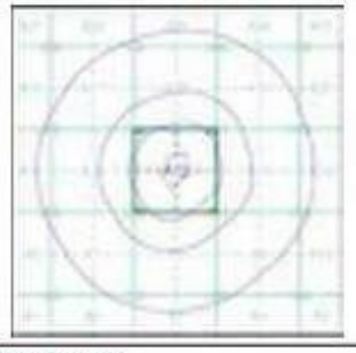
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



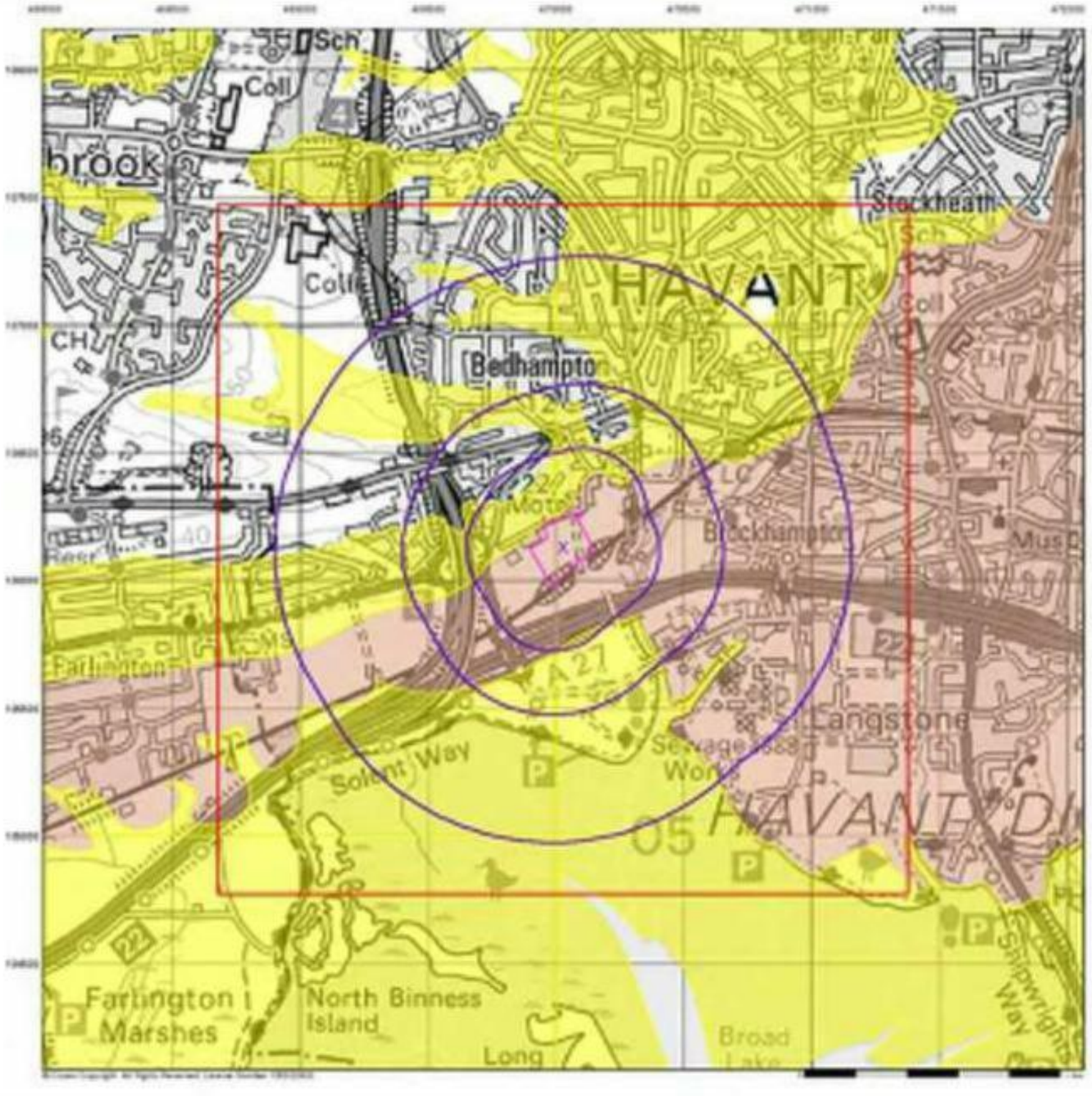
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Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental
Superficial Aquifer Designation

General

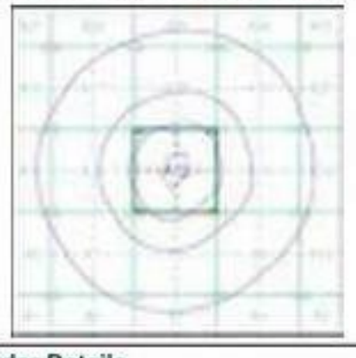
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A

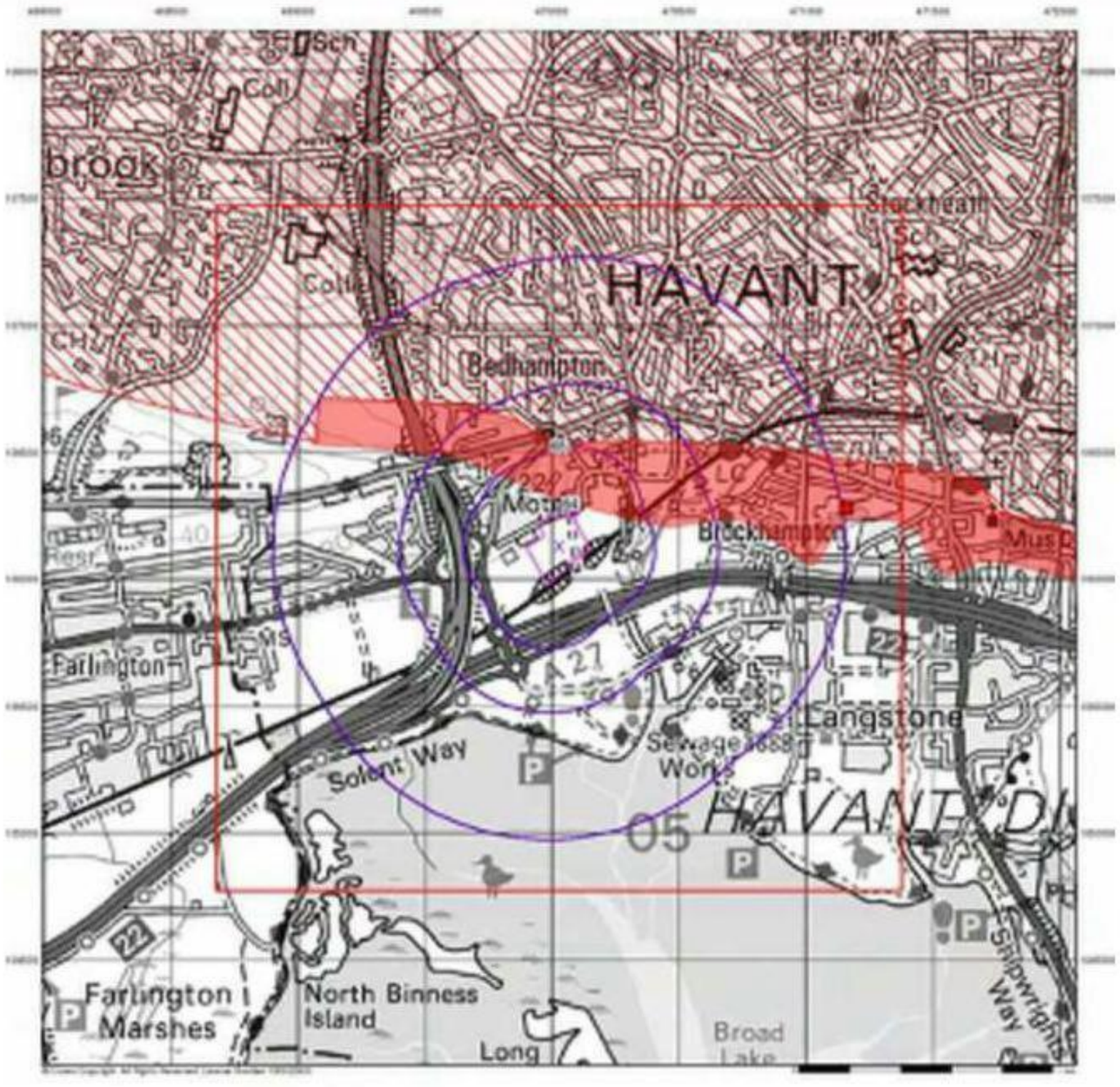


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Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental

Source Protection Zones

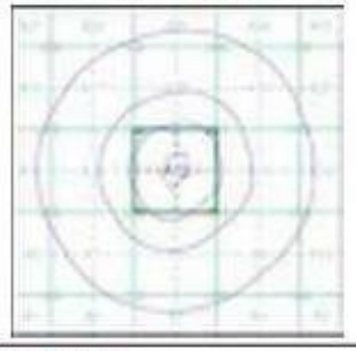
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



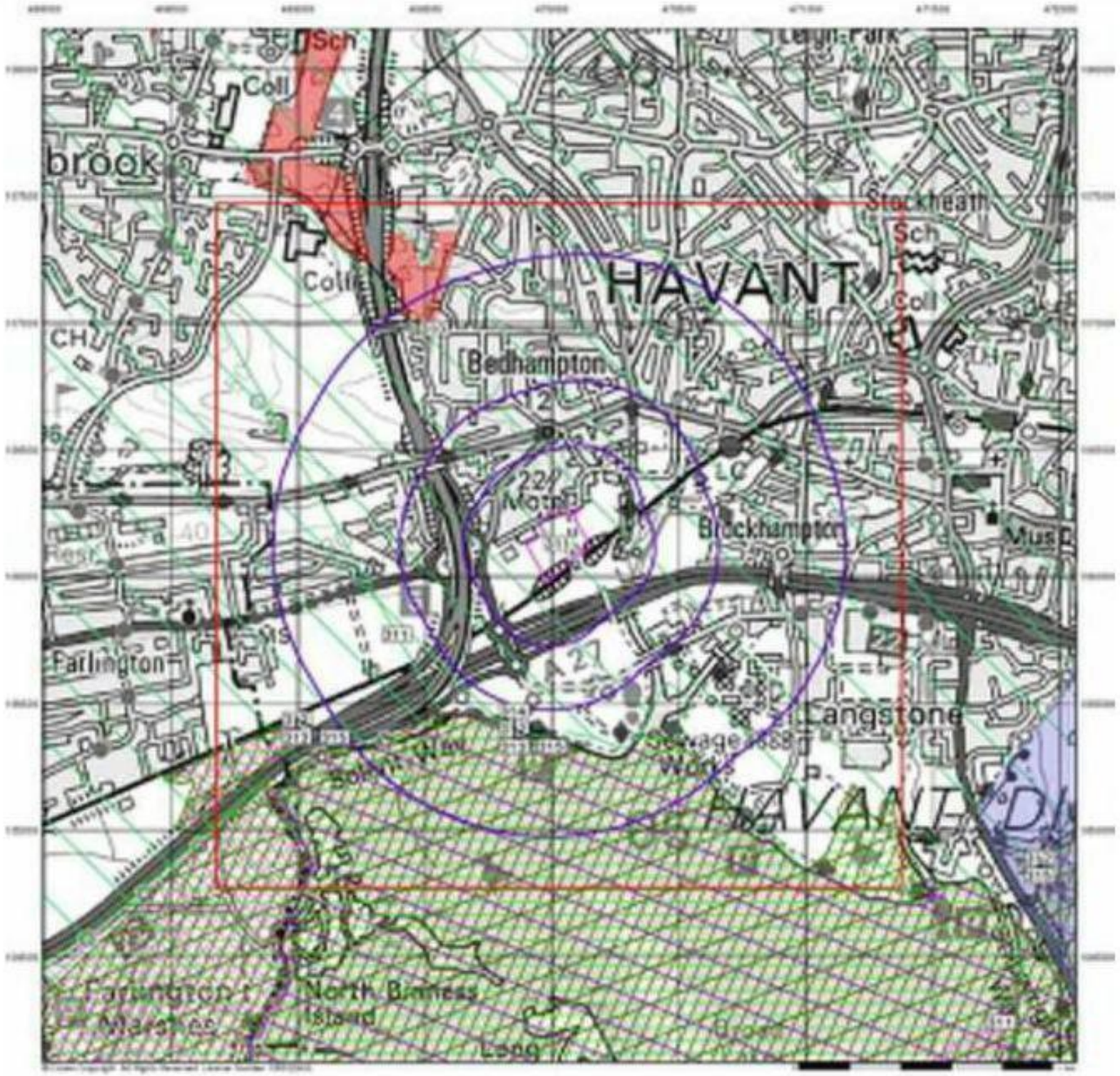
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Order Details

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Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental Sensitive Land Uses

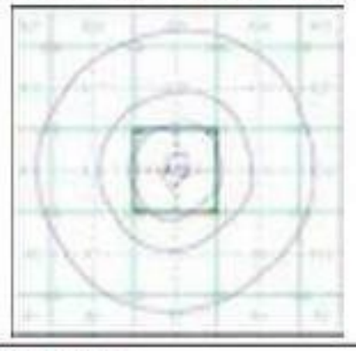
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

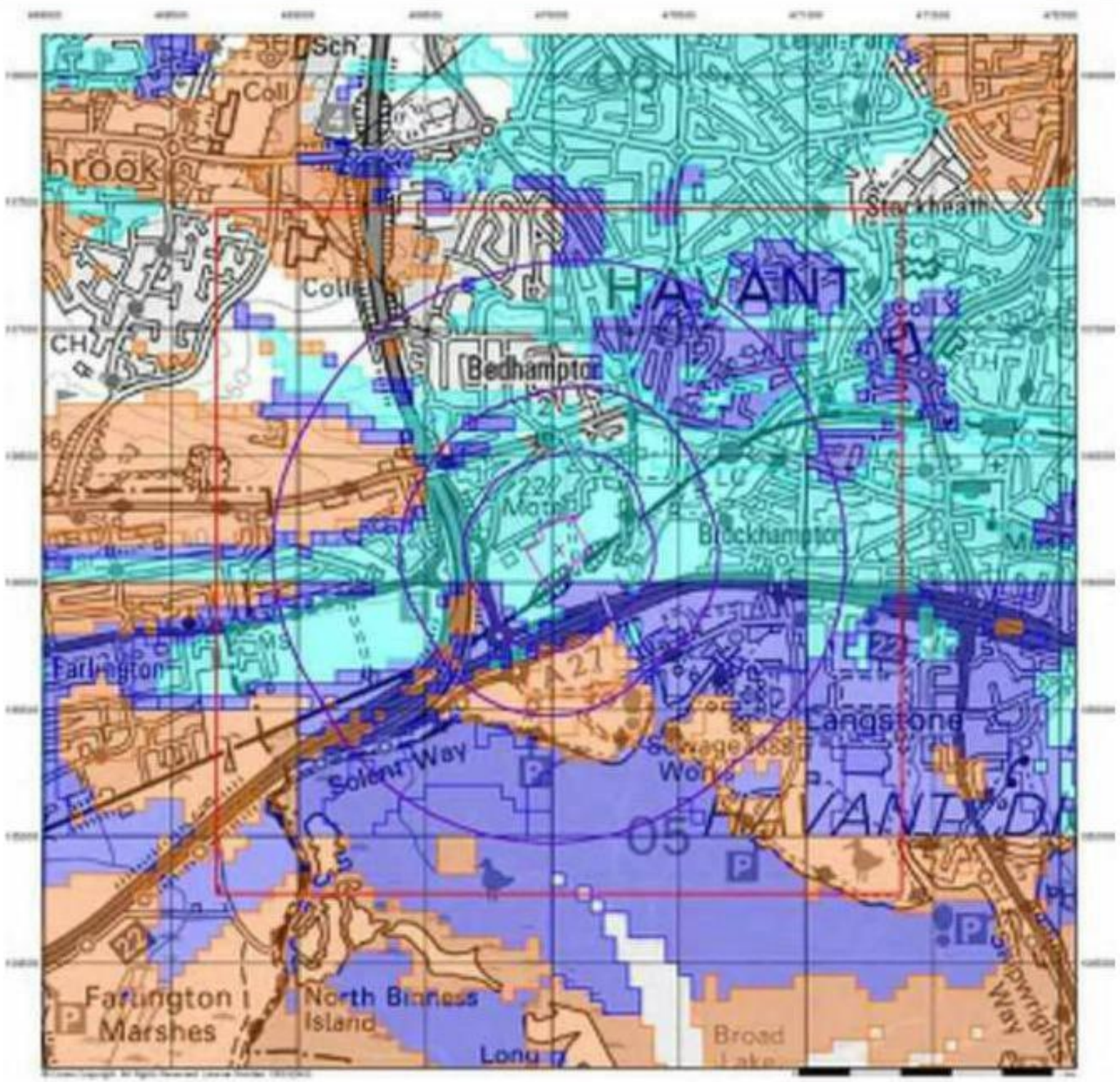


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Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental

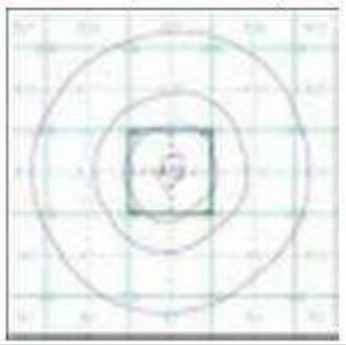
BGS Flood GFS Data

General

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



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Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
		Chalk Formation, Culver Chalk Formation and Portsdown Chalk Formation (Undifferentiated)		

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand, Silt and Clay	Quaternary - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	RMD	Raised Marine Deposits	Sand and Gravel	Quaternary - Quaternary
	BTFU	Beach and Tidal Flat Deposits (Undifferentiated)	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	HEAD	Head	Gravel, Clayey [Unlithified Deposits Coding Scheme]	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WTT	Wittering Formation	Sand, Silt and Clay	Lutetian - Ypresian
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	BOSA	Bognor Sand Member	Sand	Eocene - Eocene
	LC	London Clay Formation	Sand	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Paleocene - Paleocene
	SPCH	Spetisbury Chalk Member	Chalk	Campanian - Campanian
	TACH	Tarrant Chalk Member	Chalk	Campanian - Campanian
	PCK	Portsdown Chalk Formation	Chalk	Campanian - Campanian
	NCK	Newhaven Chalk Formation	Chalk	Campanian - Santonian
	LPCK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven	Chalk	Campanian - Turonian

Geo-Environmental

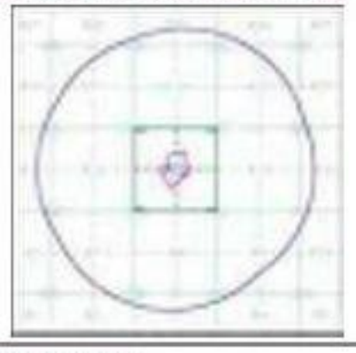
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	316
Map Name:	Fareham
Map Date:	1998
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

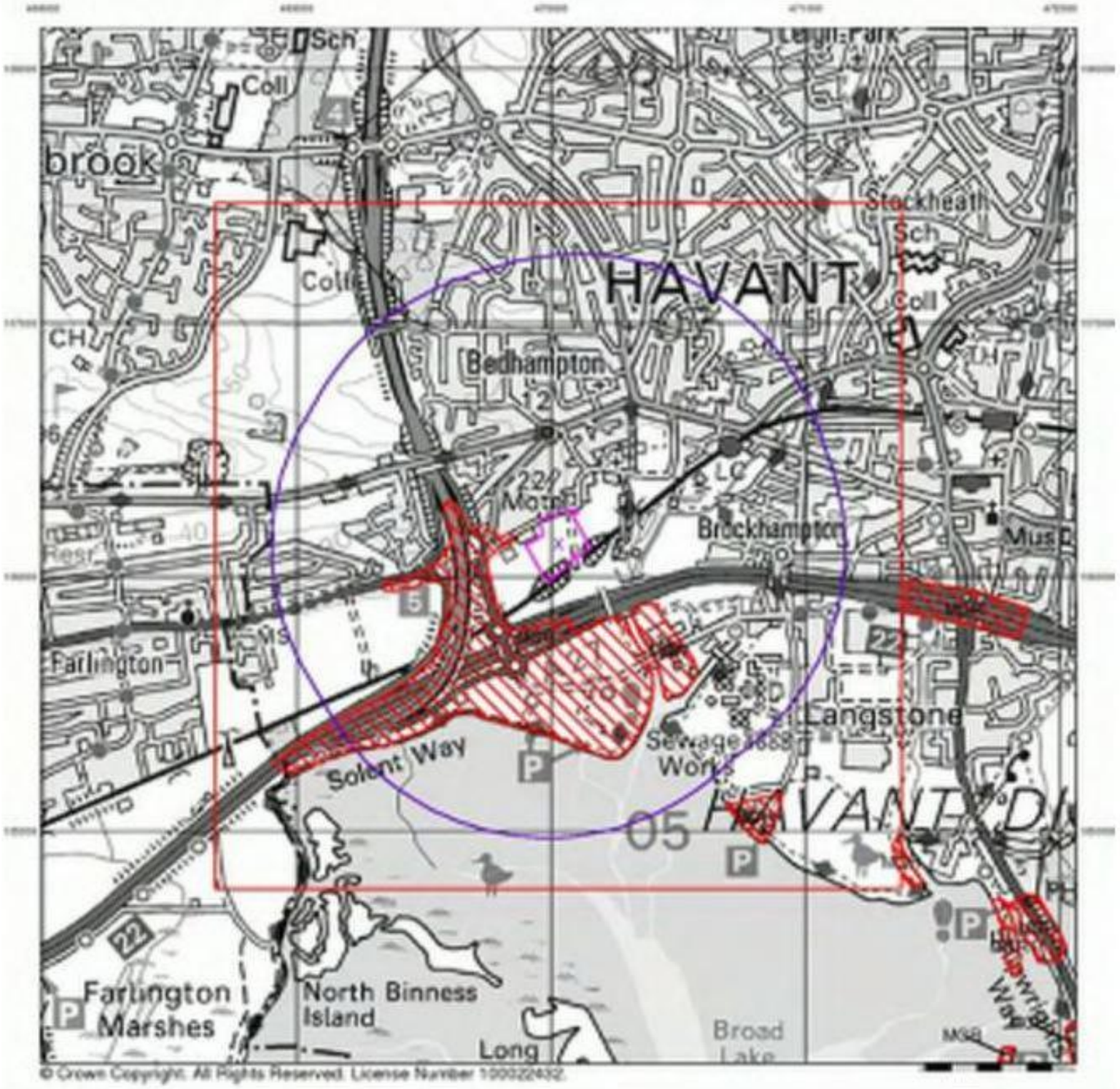


Order Details:

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Geo-Environmental

Artificial Ground and Landslip

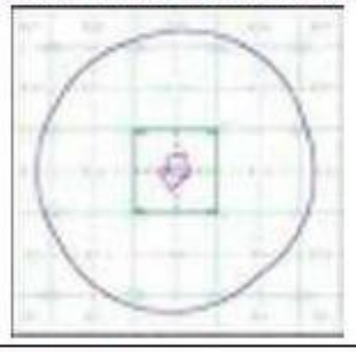
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A

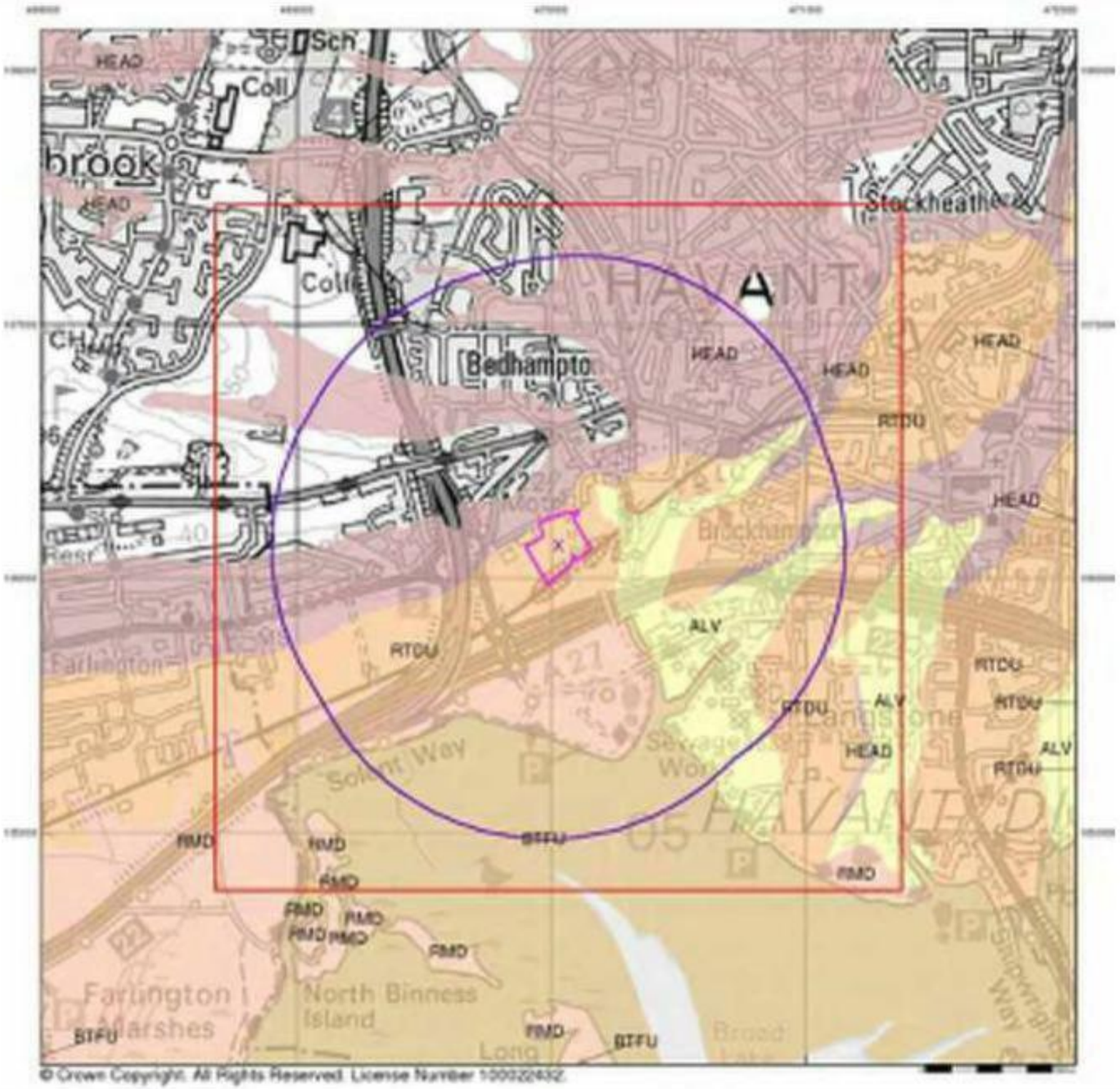


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Geo-Environmental

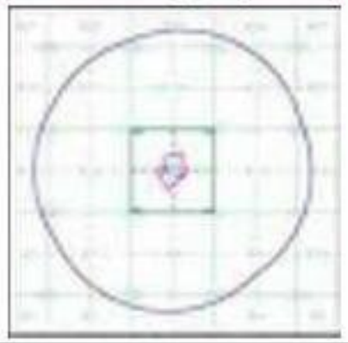
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A

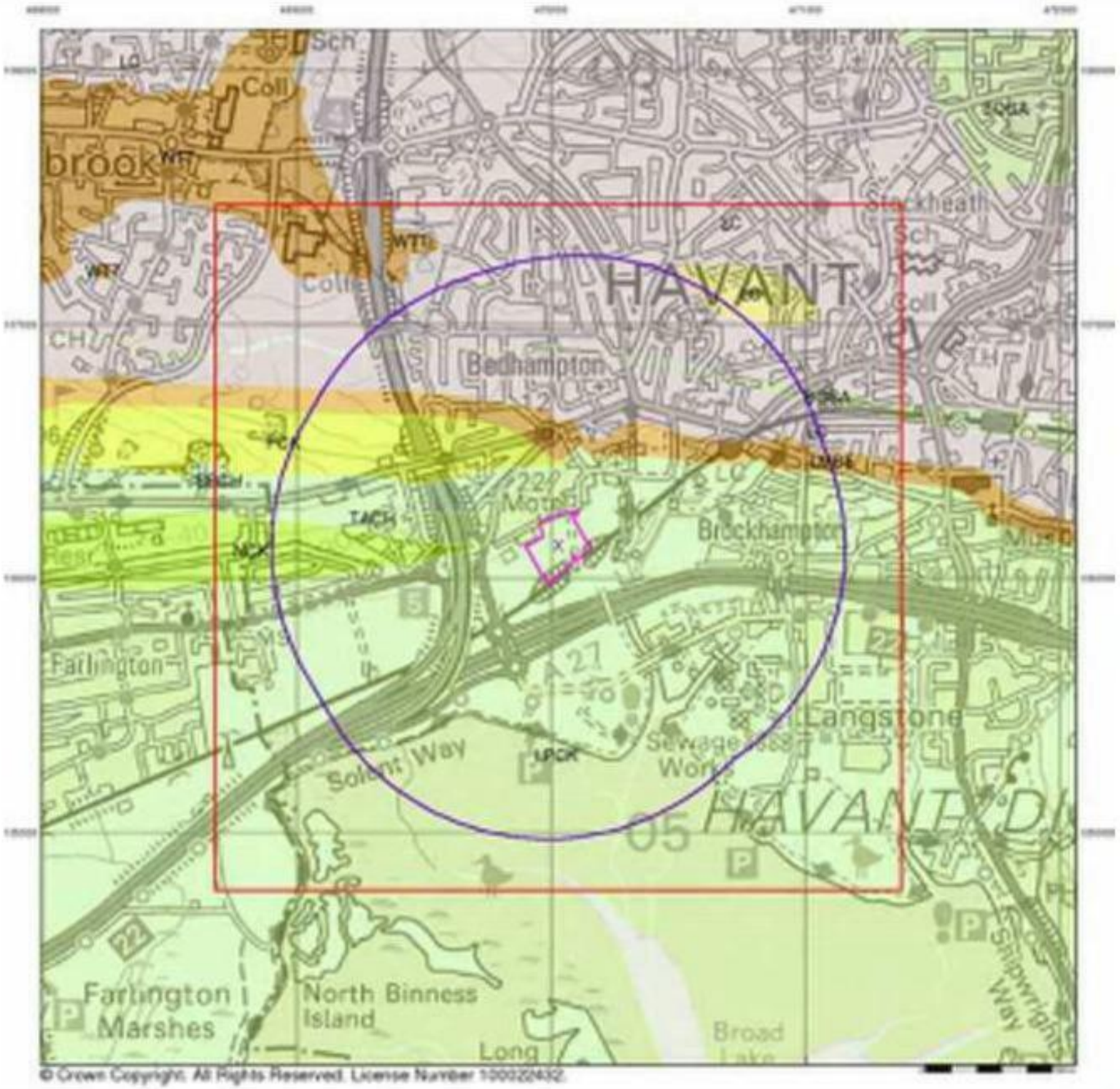


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Site Details:

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Geo-Environmental

Bedrock and Faults

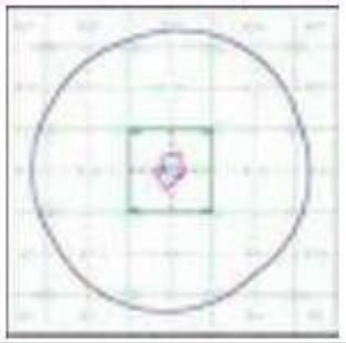
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A

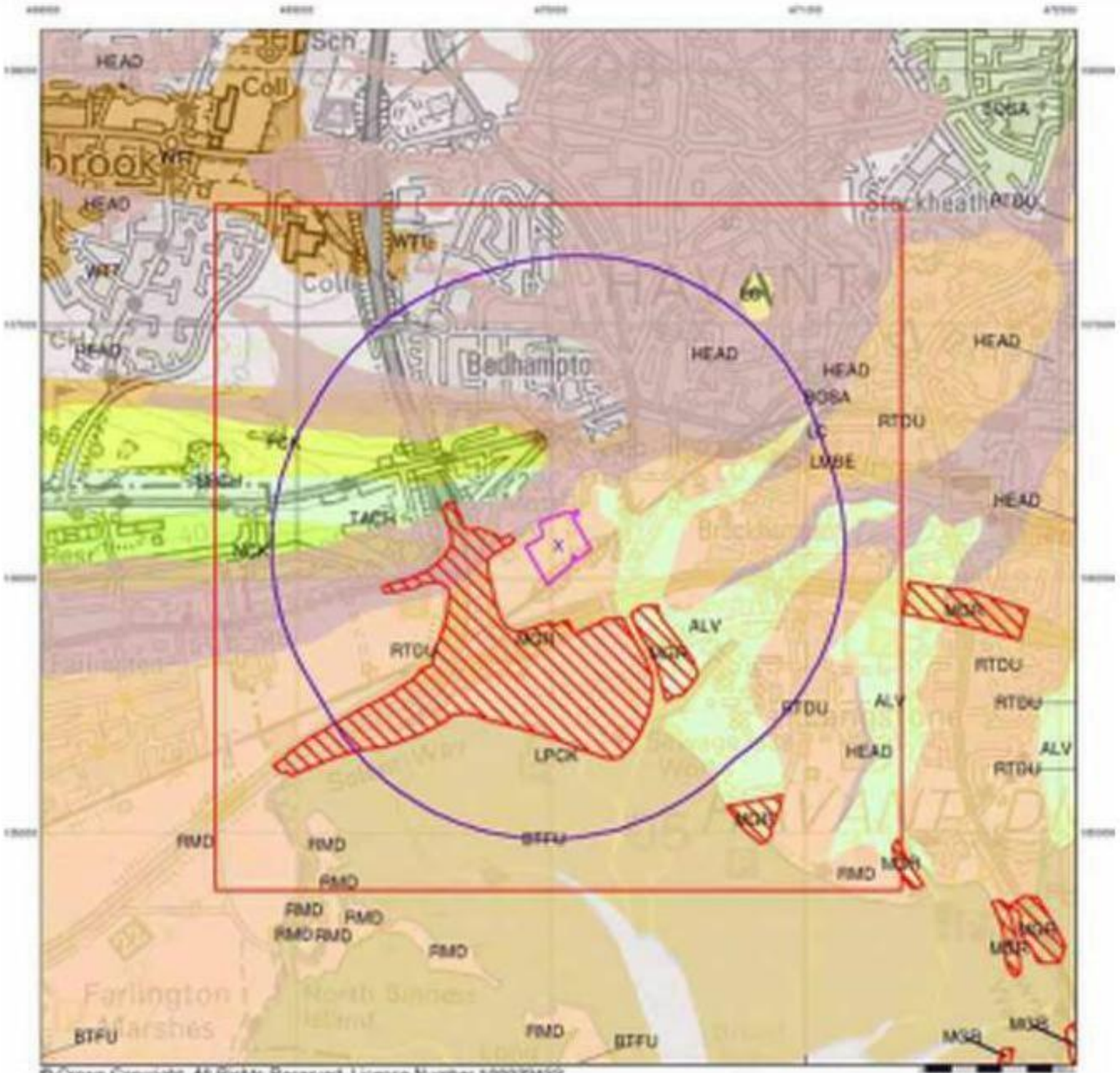


Order Details:

Order Number:	138907560_1_1
Customer Reference:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details:

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental

Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

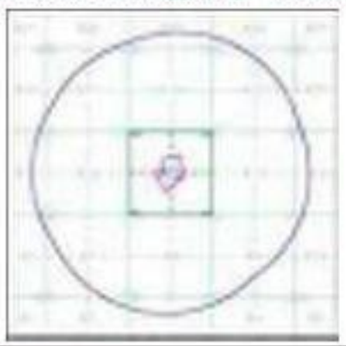
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Geo-Environmental

General

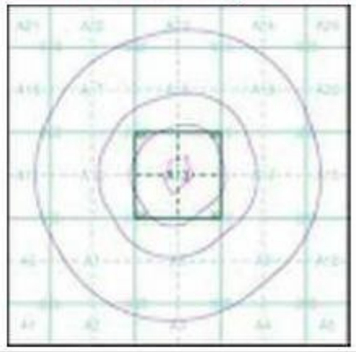
Specified Site Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



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Geo-Environmental

General

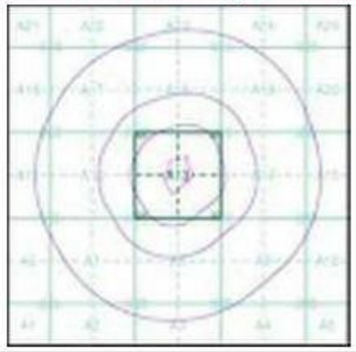
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



N

Order Details

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Geo-Environmental

General

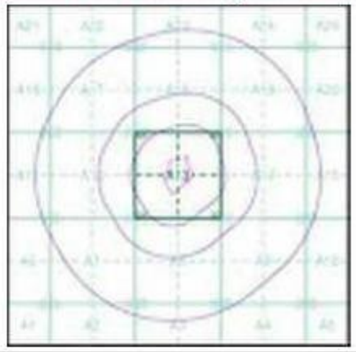
Specified Site Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



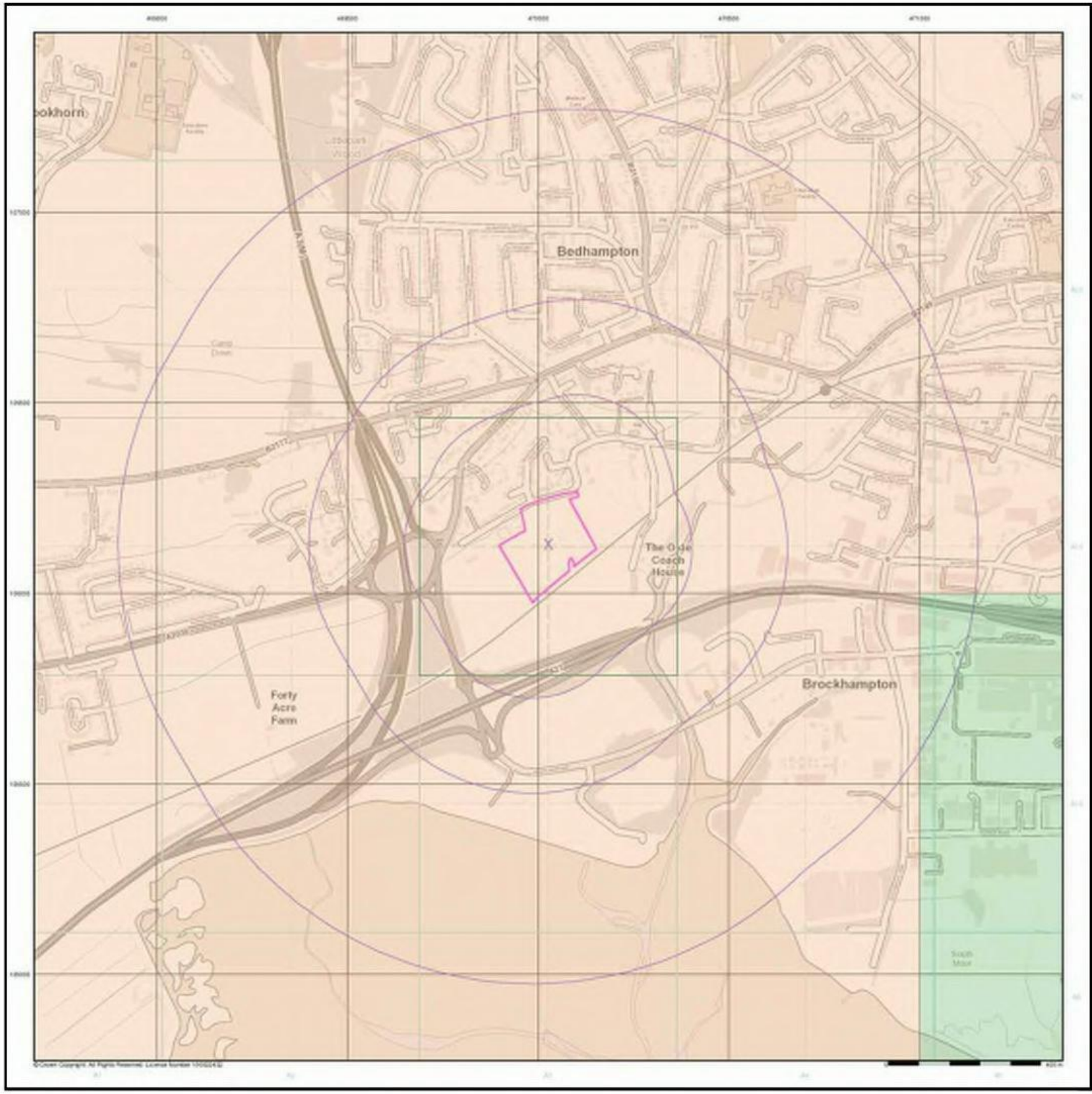
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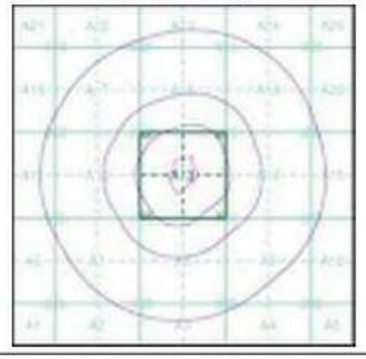
General

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



N

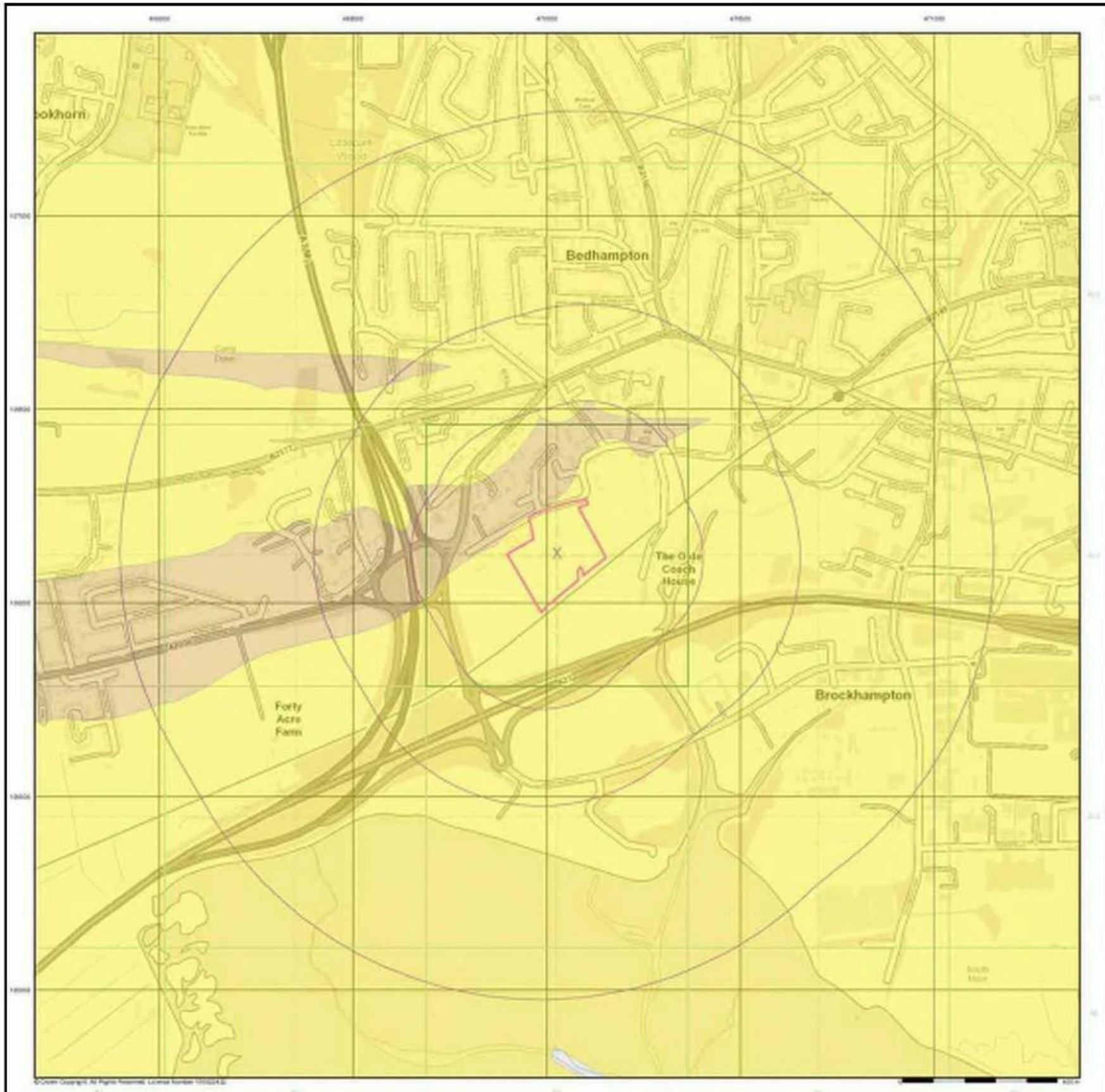
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Geo-Environmental

General

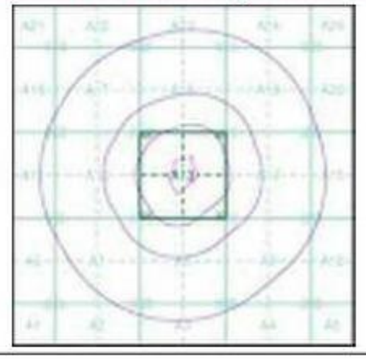
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

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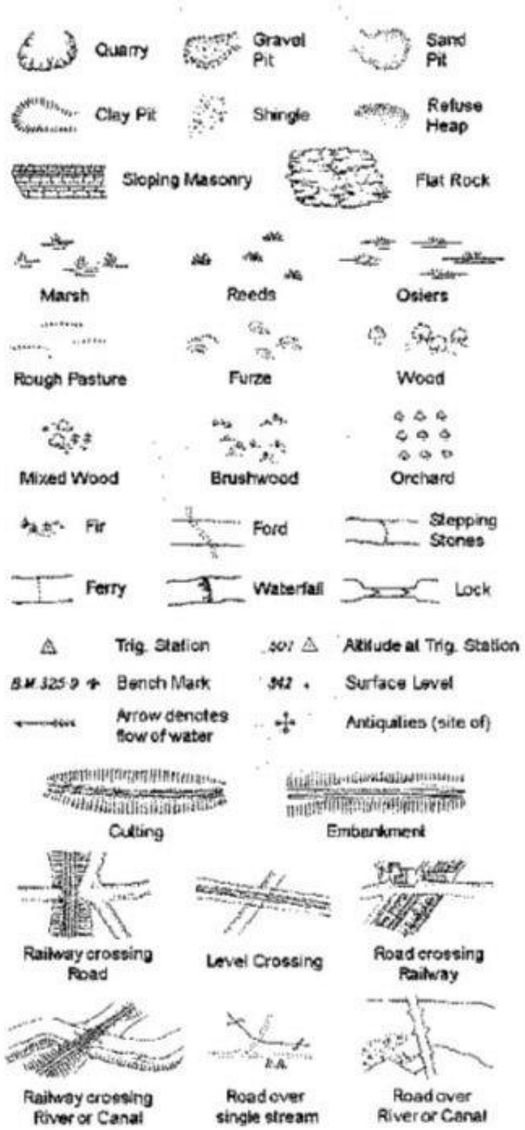
Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

Landmark INFORMATION GROUP

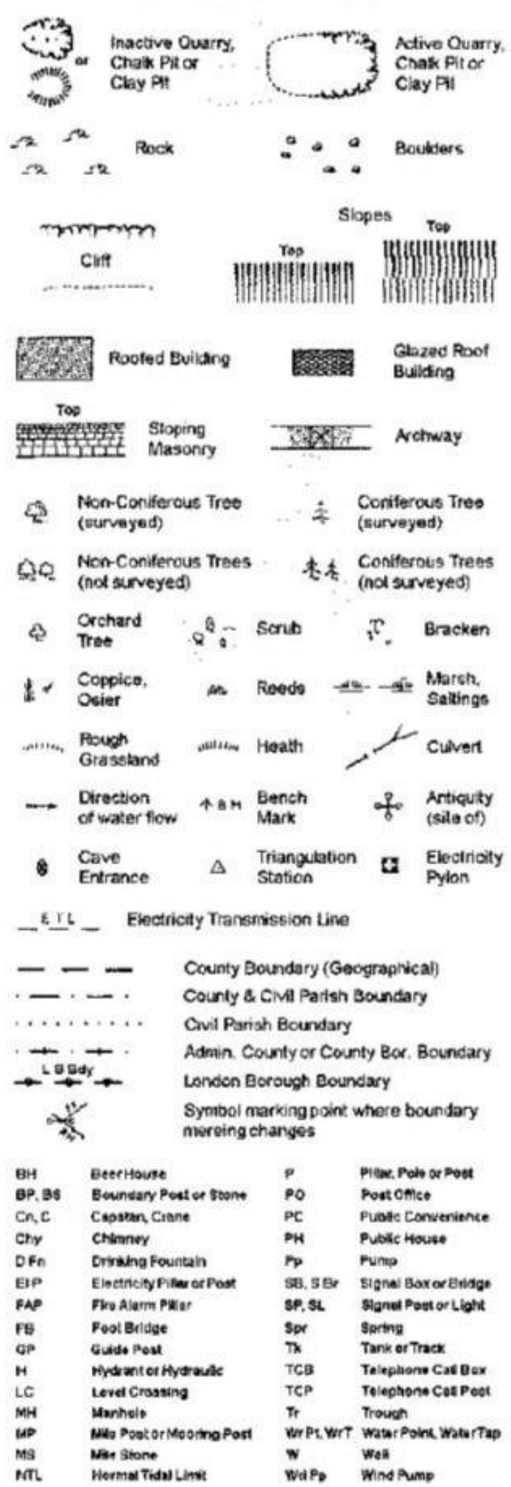
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Historical Mapping Legends

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

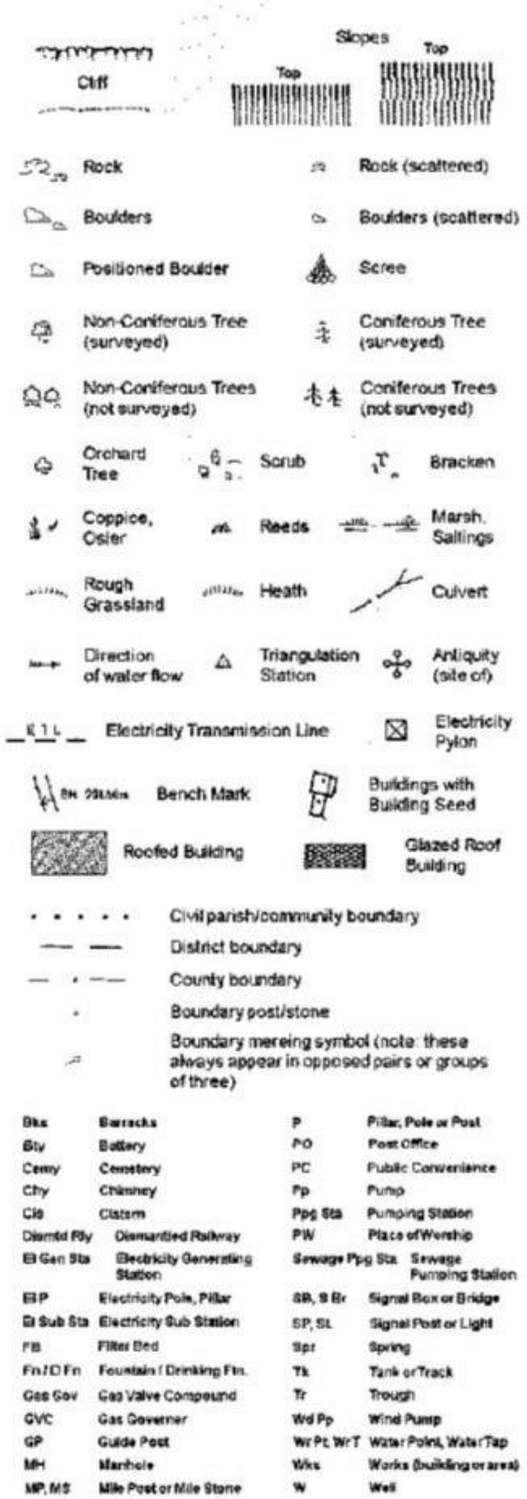


Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



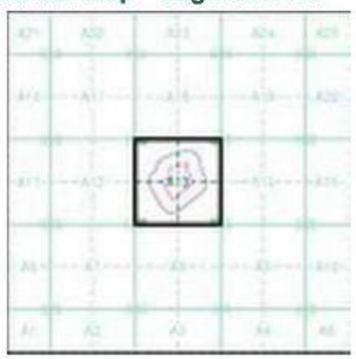
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Disntd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governor	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

Geo-Environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1868	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	1952 - 1969	6
Ordnance Survey Plan	1:2,500	1954 - 1989	7
Ordnance Survey Plan	1:1,250	1959	8
Ordnance Survey Plan	1:2,500	1961 - 1974	9
Ordnance Survey Plan	1:1,250	1967 - 1973	10
Ordnance Survey Plan	1:2,500	1969	11
Supply of Unpublished Survey Information	1:2,500	1973 - 1974	12
Supply of Unpublished Survey Information	1:1,250	1973	13
Additional SIMs	1:2,500	1981 - 1987	14
Ordnance Survey Plan	1:1,250	1982	15
Additional SIMs	1:1,250	1989	16
Large-Scale National Grid Data	1:1,250	1993	17
Large-Scale National Grid Data	1:2,500	1993	18
Large-Scale National Grid Data	1:2,500	1996	19
Historical Aerial Photography	1:2,500	1999	20

Historical Map - Segment A13



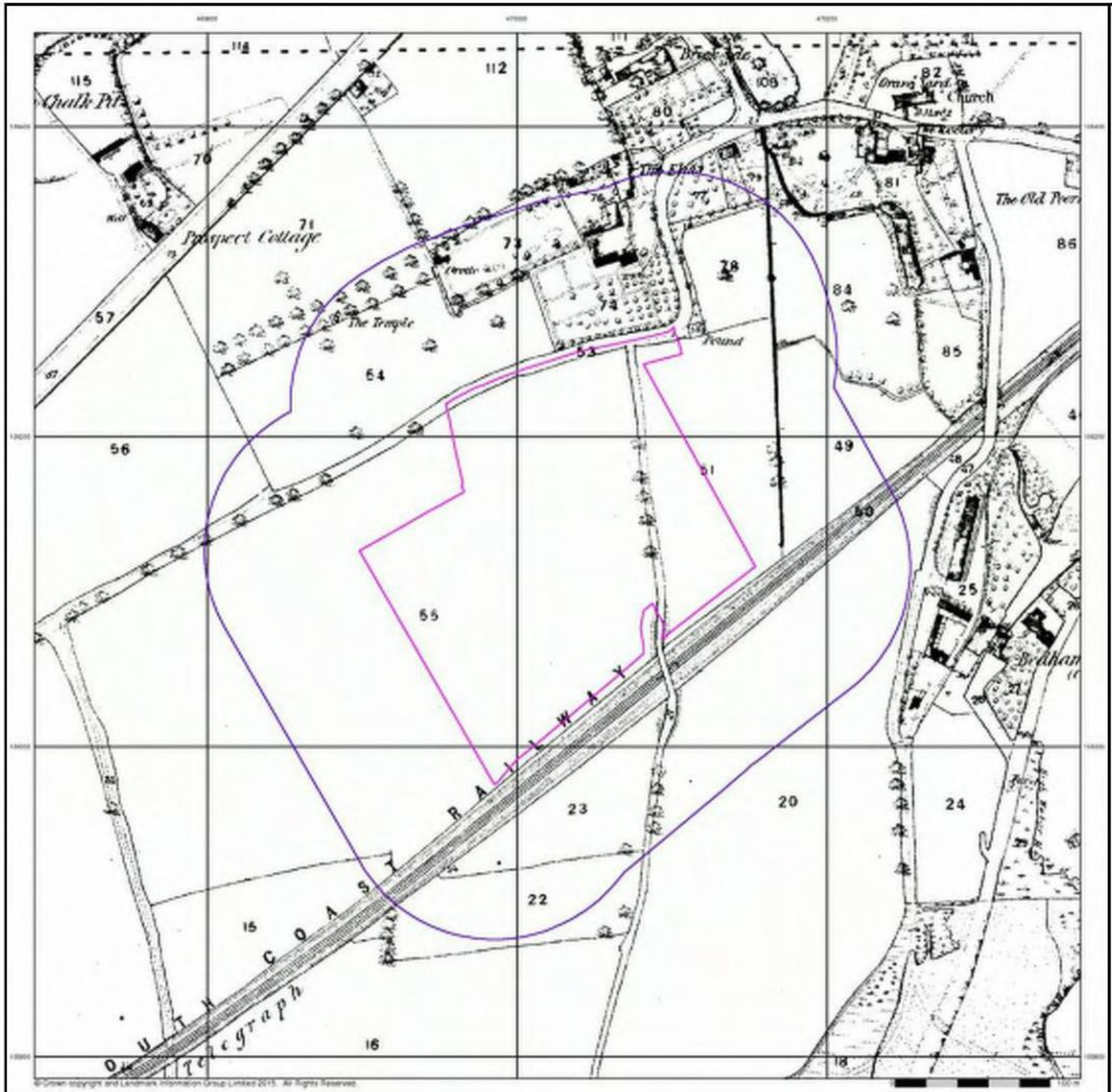
Order Details

Order Number: 138907560_1_1
Customer Ref: GE16507
National Grid Reference: 470030, 106130
Slice: A
Site Area (Ha): 3.95
Search Buffer (m): 100

Site Details

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Geo-Environmental

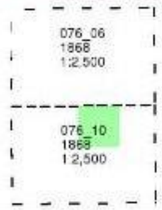
Hampshire & Isle Of Wight

Published 1868

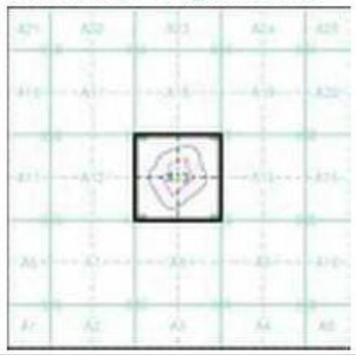
Source map scale - 1:2,500

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



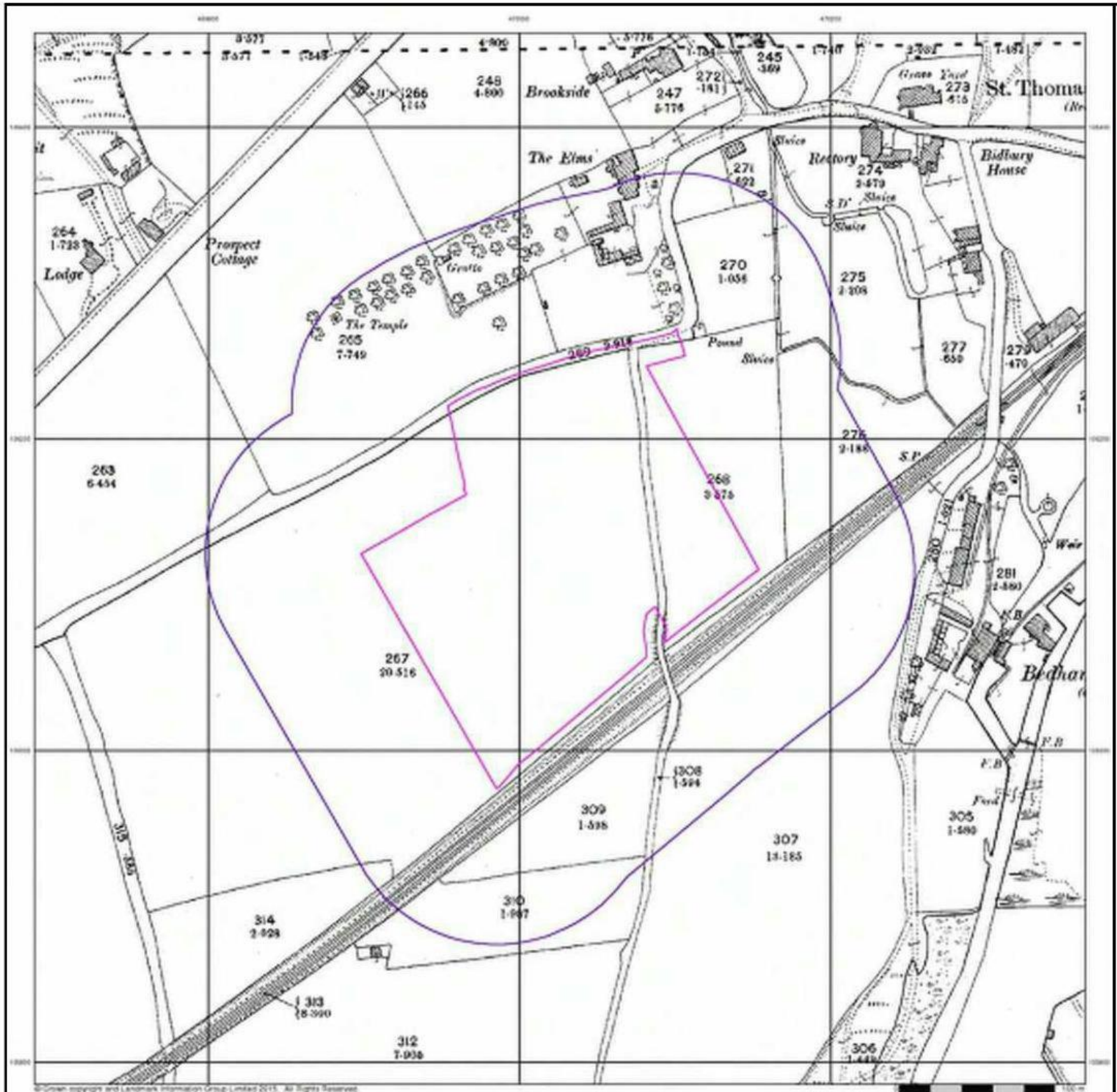
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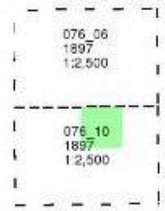
Hampshire & Isle Of Wight

Published 1897

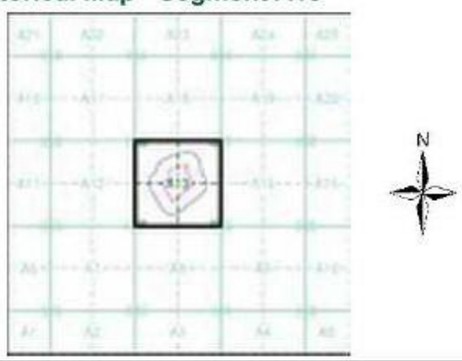
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13

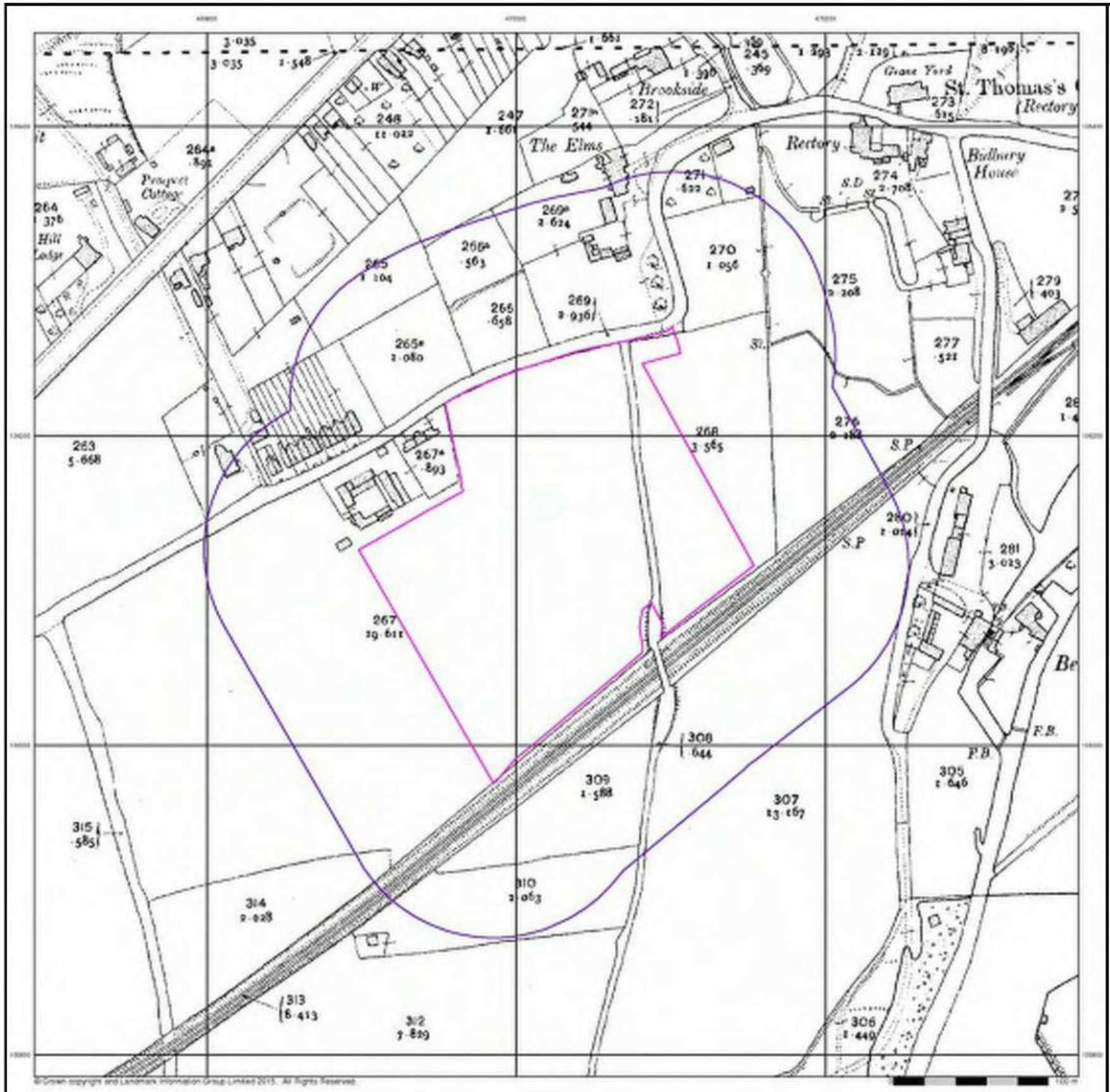


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Geo-Environmental

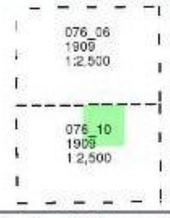
Hampshire & Isle Of Wight

Published 1909

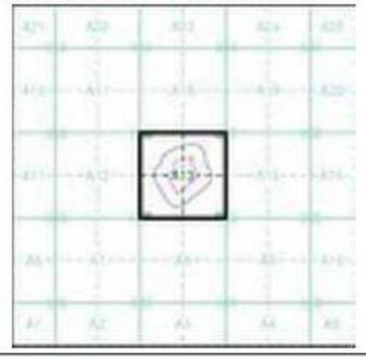
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



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Geo-Environmental

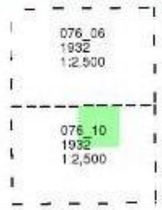
Hampshire & Isle Of Wight

Published 1932

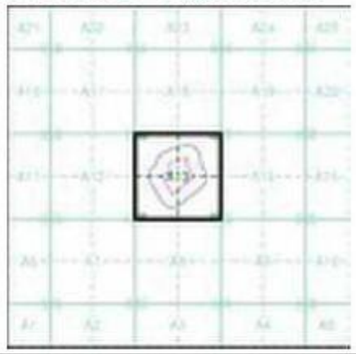
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Historical Map - Segment A13



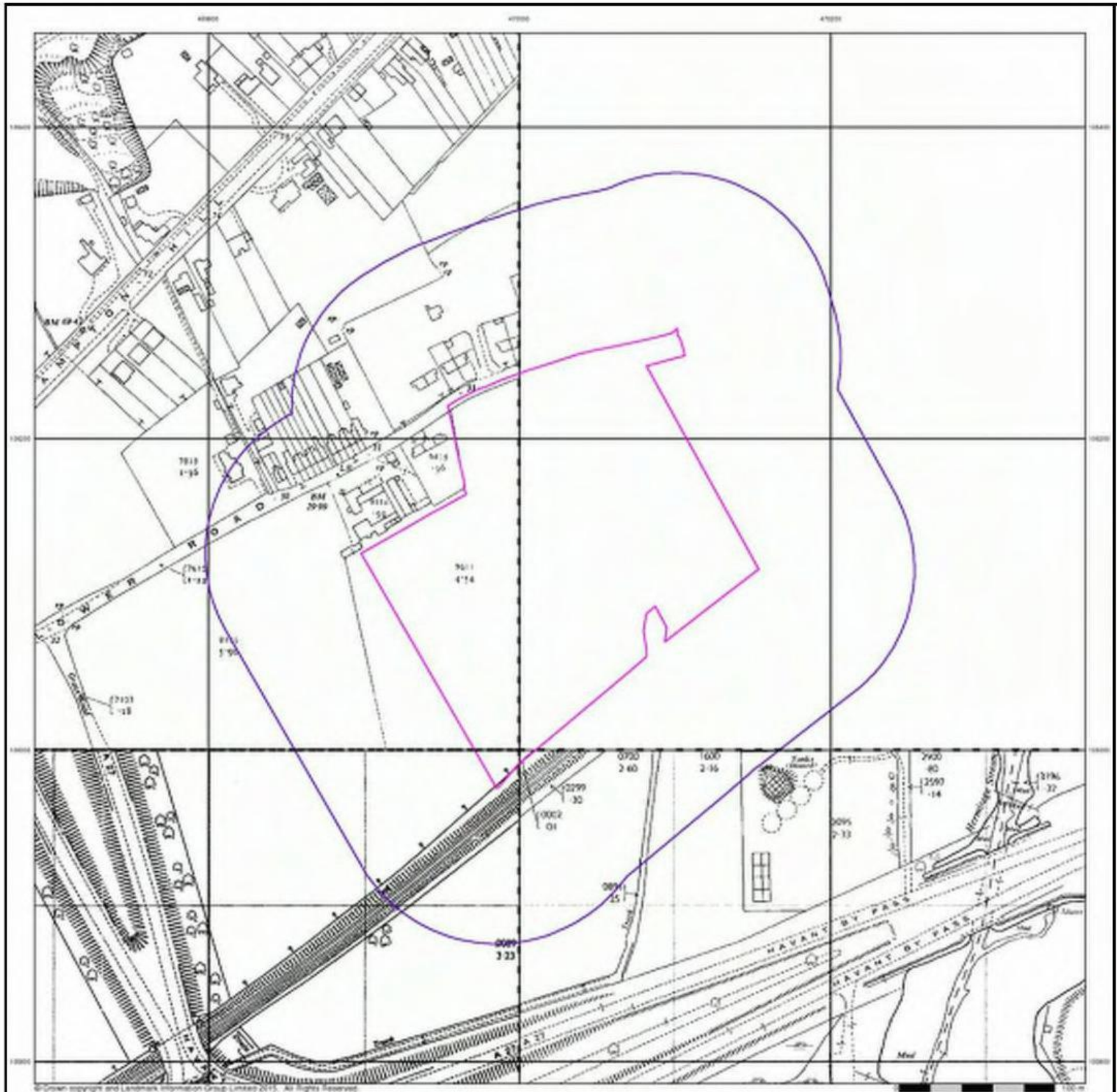
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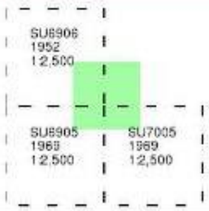
Ordnance Survey Plan

Published 1952 - 1969

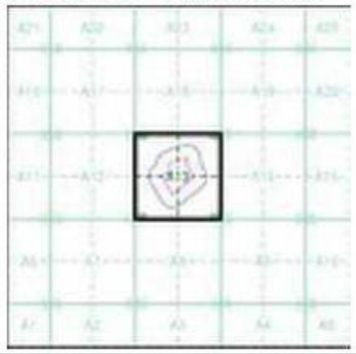
Source map scale - 1:2,500

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Historical Map - Segment A13



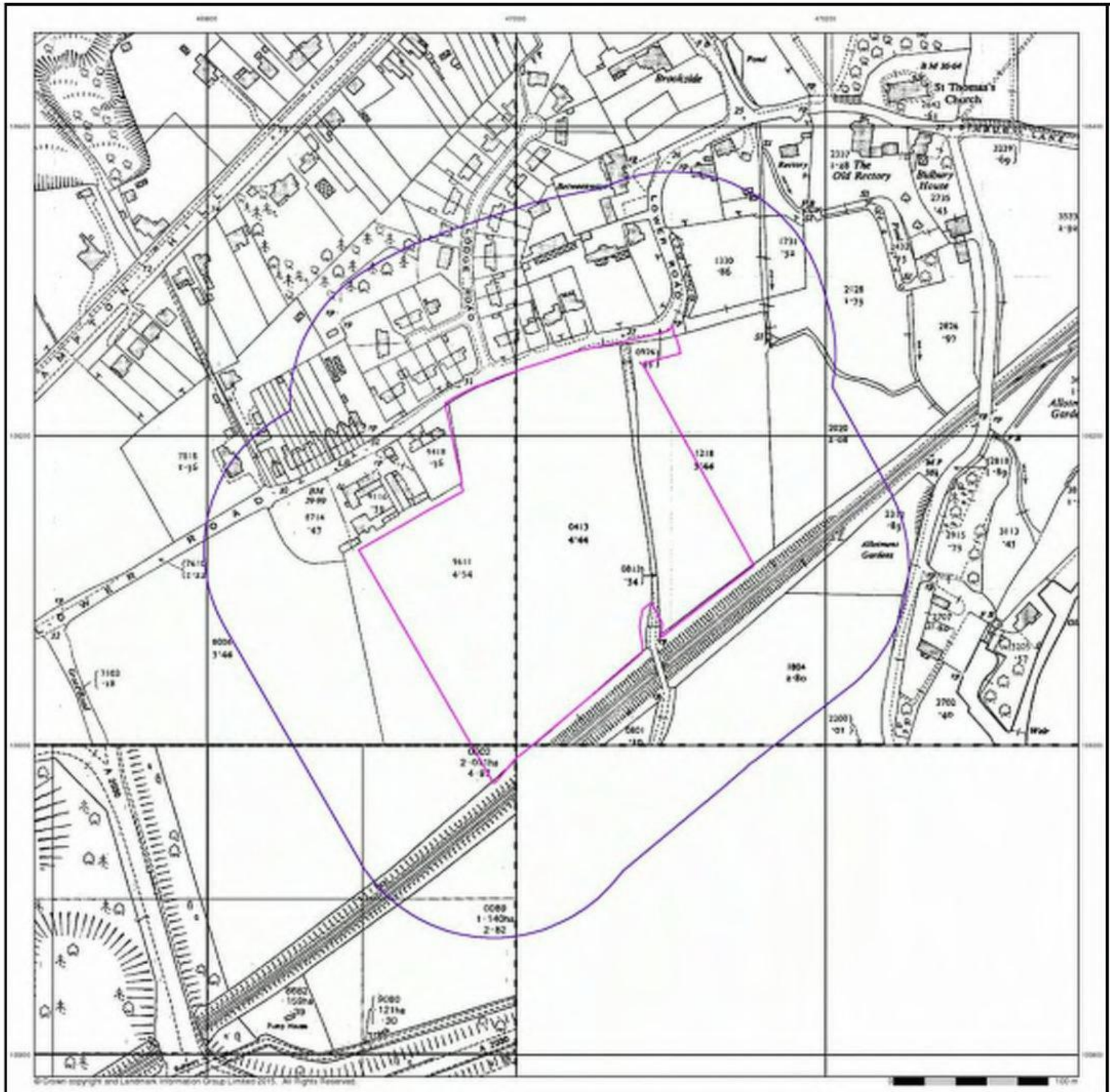
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Geo-Environmental

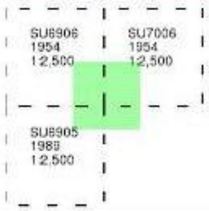
Ordnance Survey Plan

Published 1954 - 1989

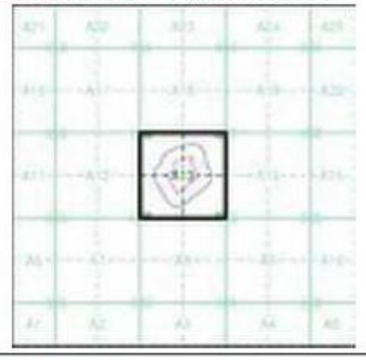
Source map scale - 1:2,500

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



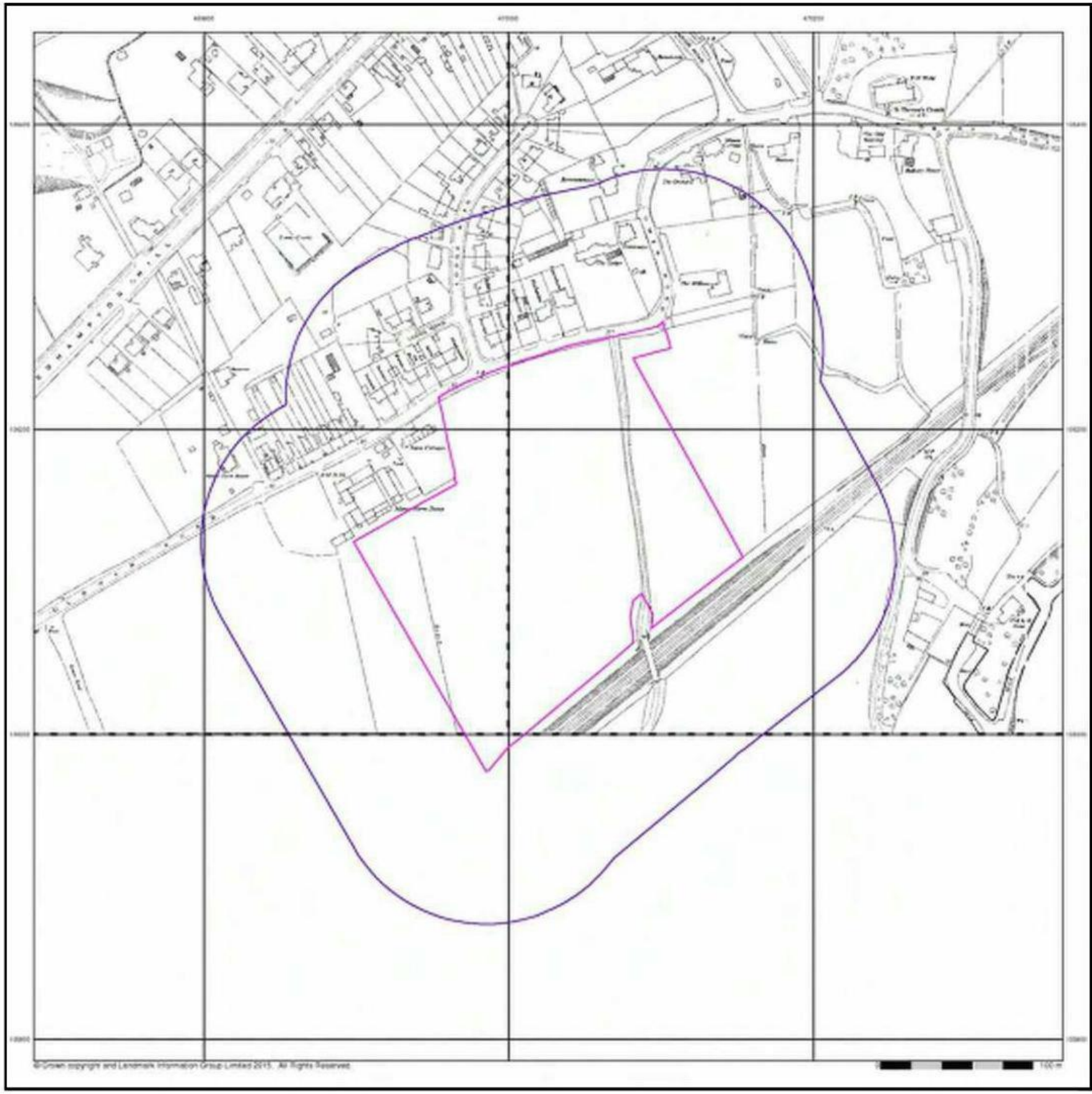
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	100

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

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Geo-Environmental

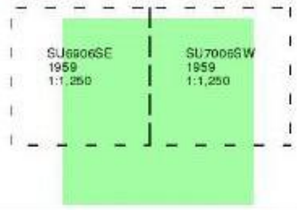
Ordnance Survey Plan

Published 1959

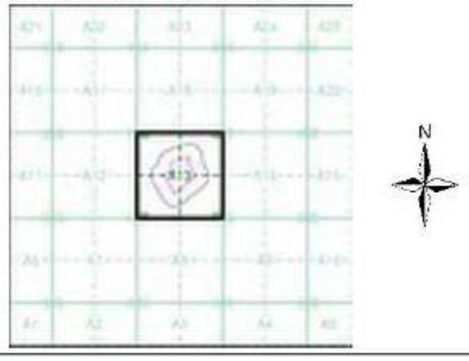
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



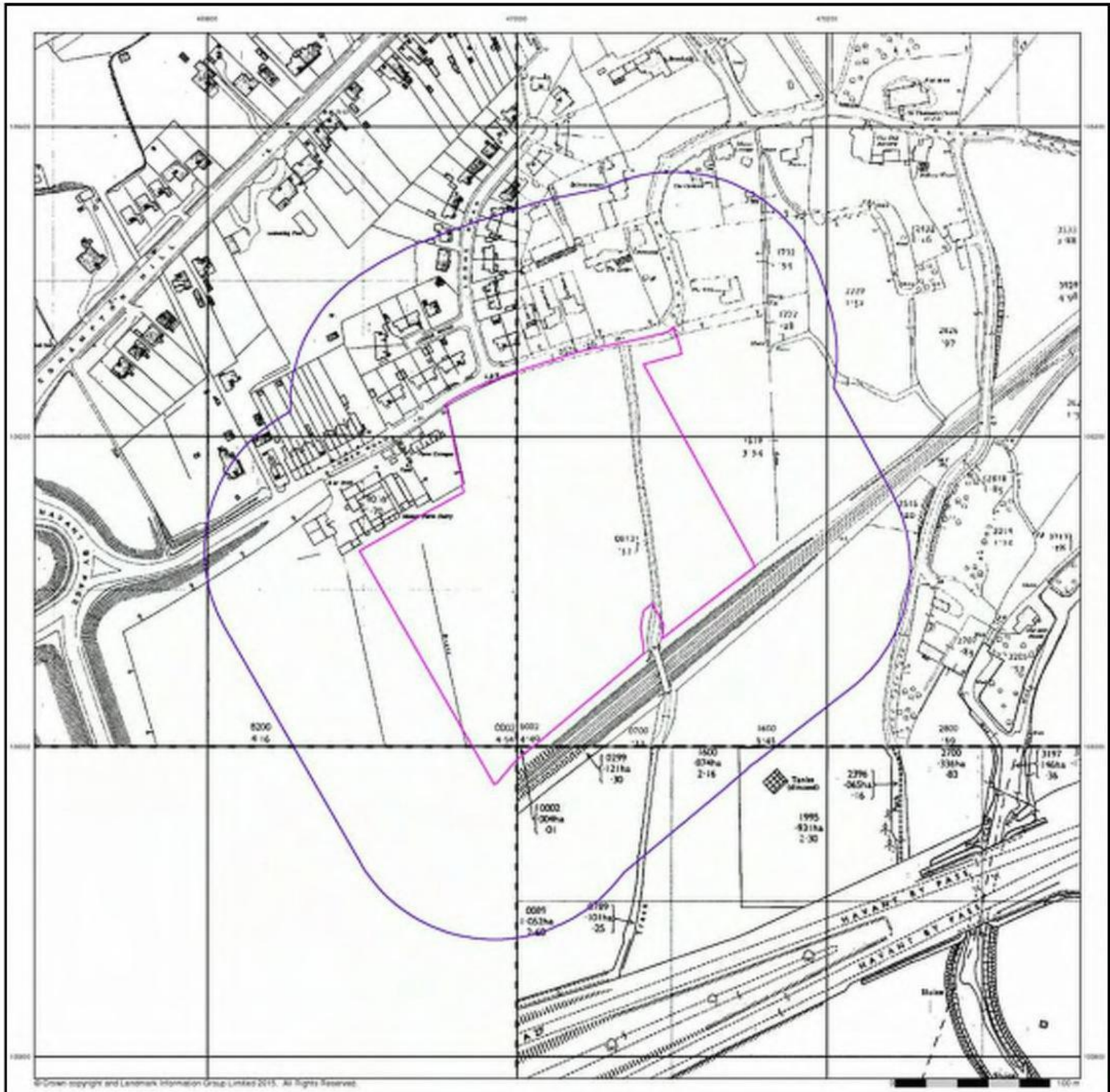
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Geo-Environmental

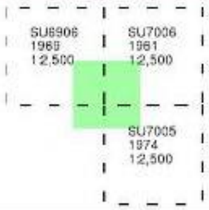
Ordnance Survey Plan

Published 1961 - 1974

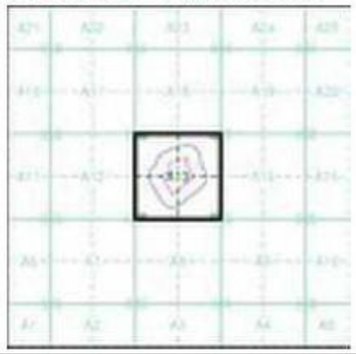
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



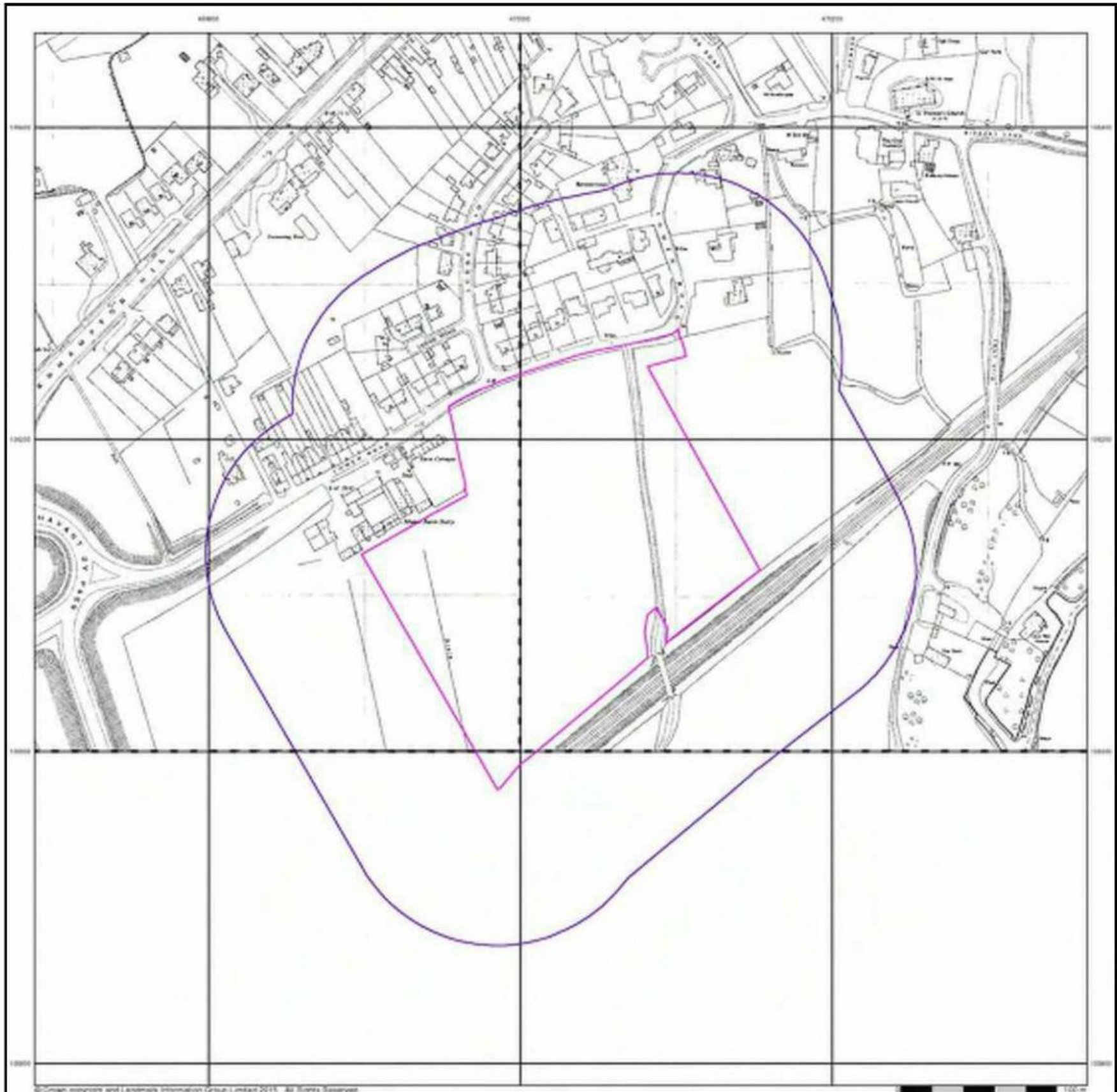
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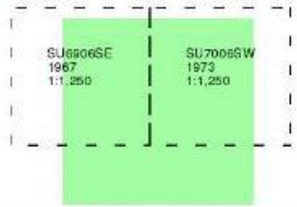
Ordnance Survey Plan

Published 1967 - 1973

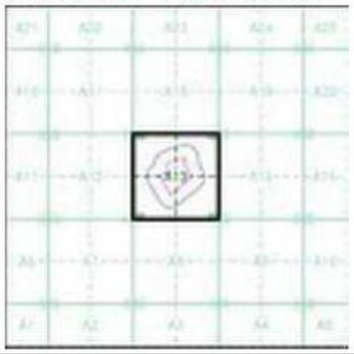
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



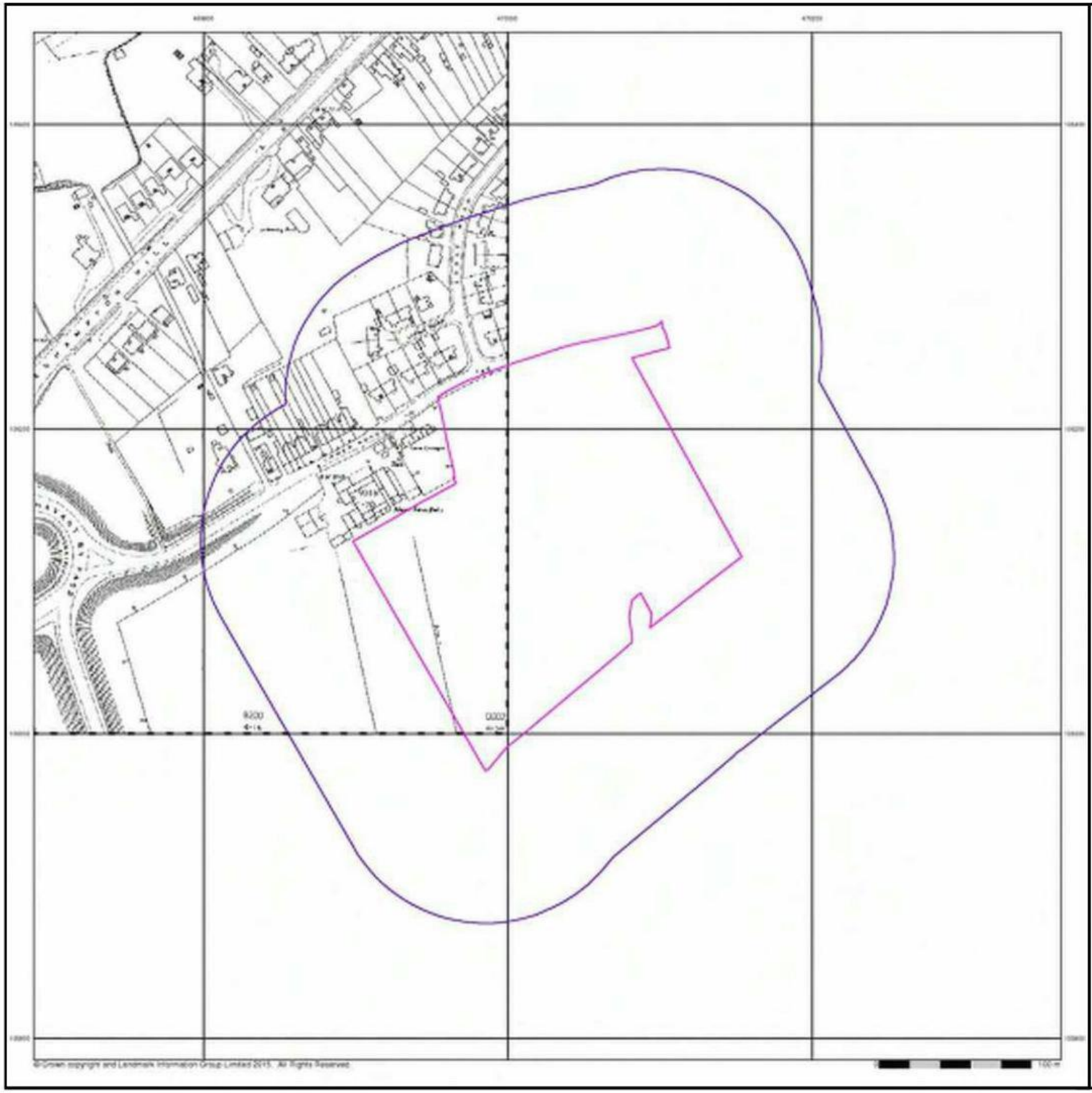
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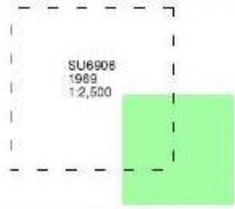
Ordnance Survey Plan

Published 1969

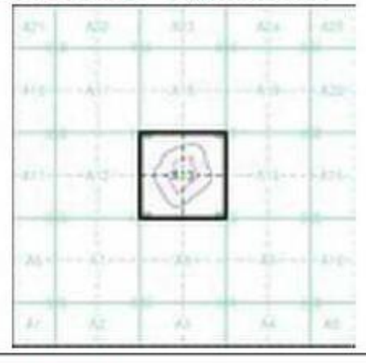
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



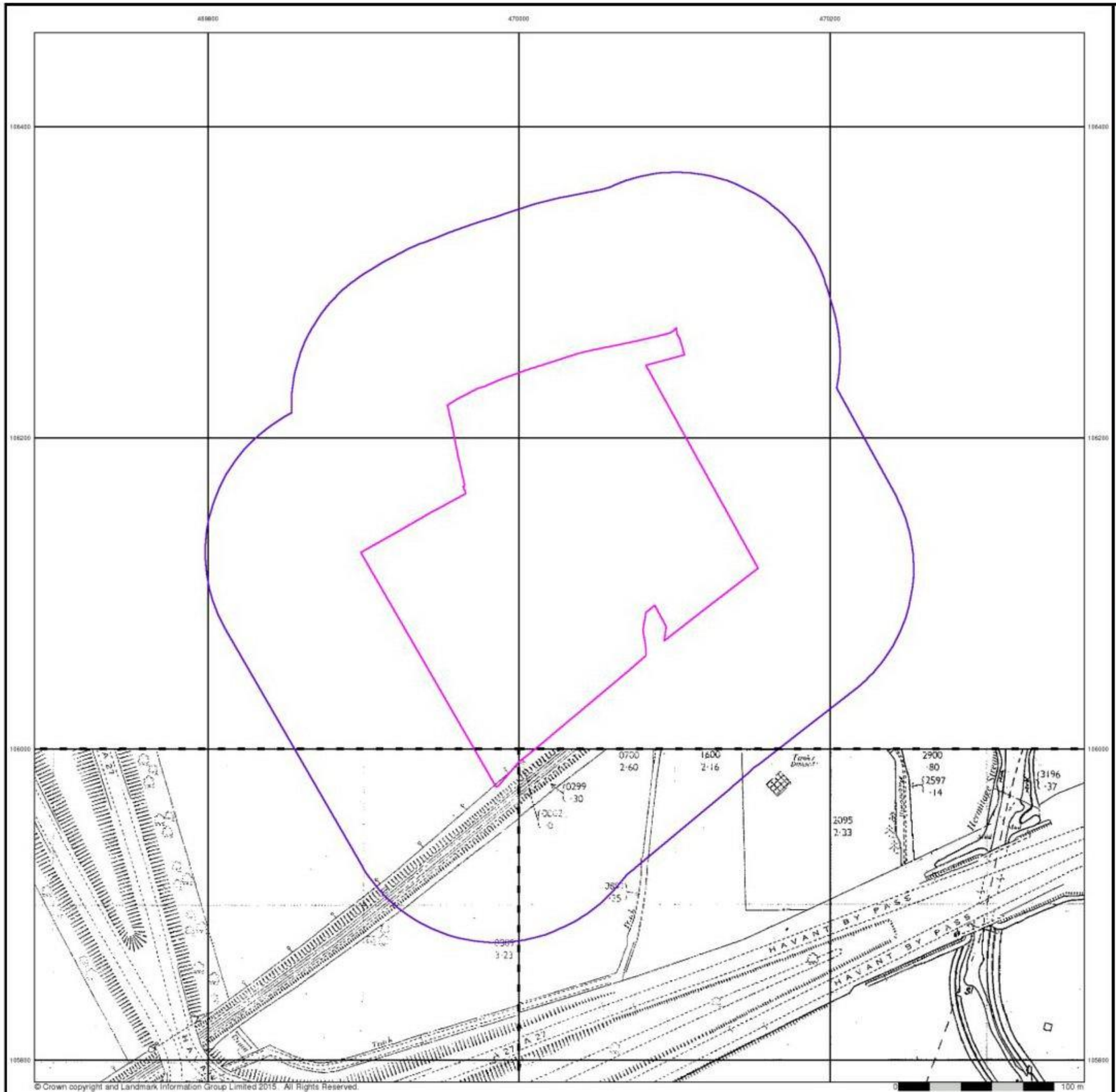
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Geo-Environmental

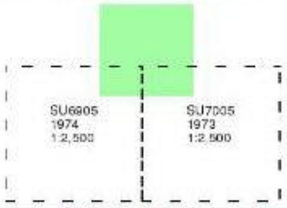
Supply of Unpublished Survey Information

Published 1973 - 1974

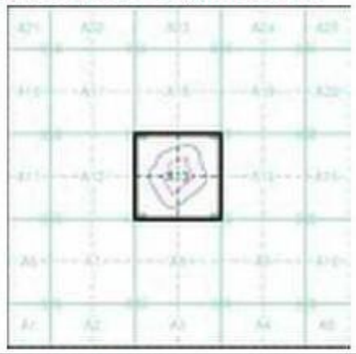
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



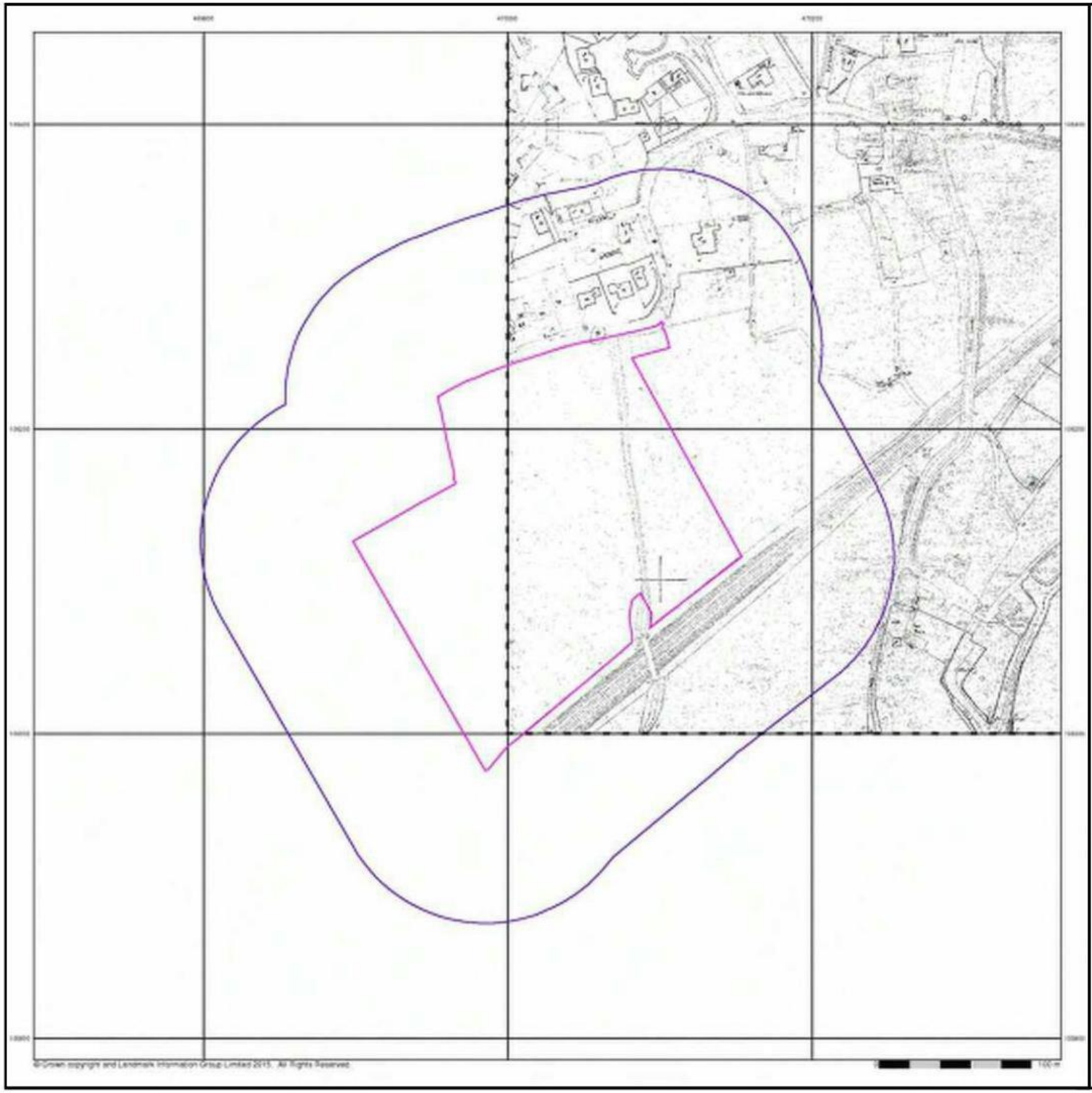
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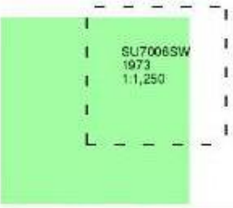
Supply of Unpublished Survey Information

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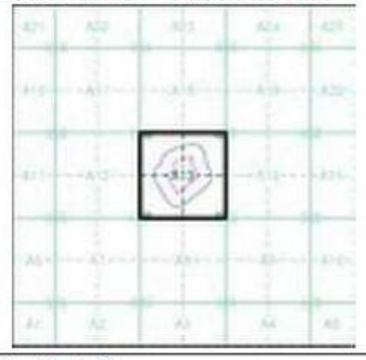
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



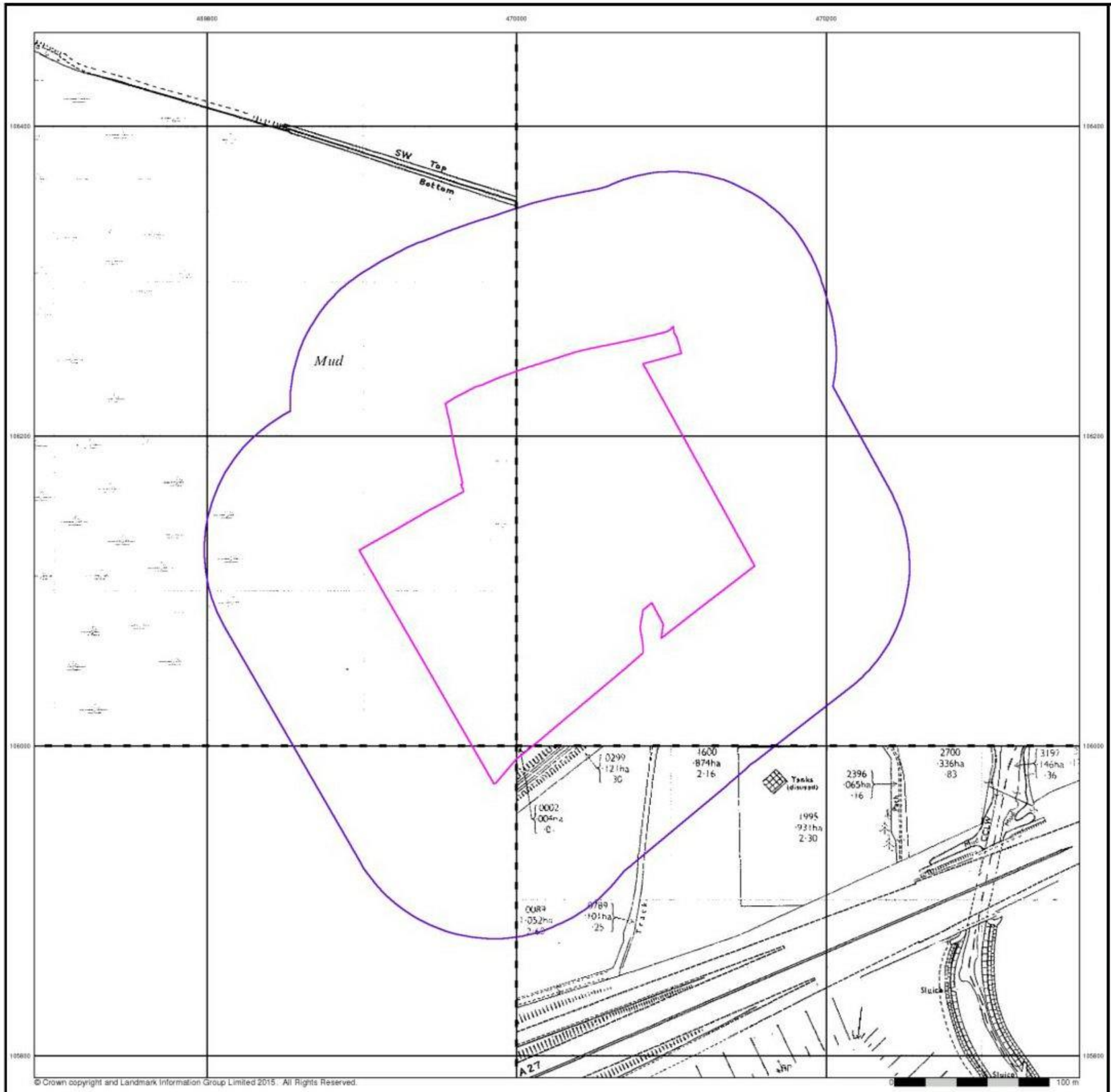
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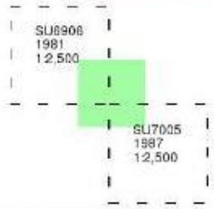


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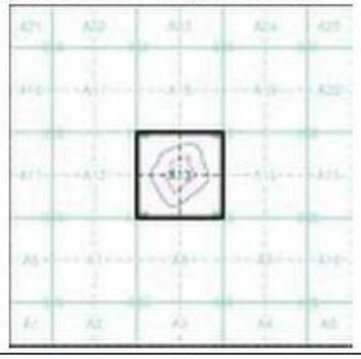
Geo-Environmental
Additional SIMs
Published 1981 - 1987
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



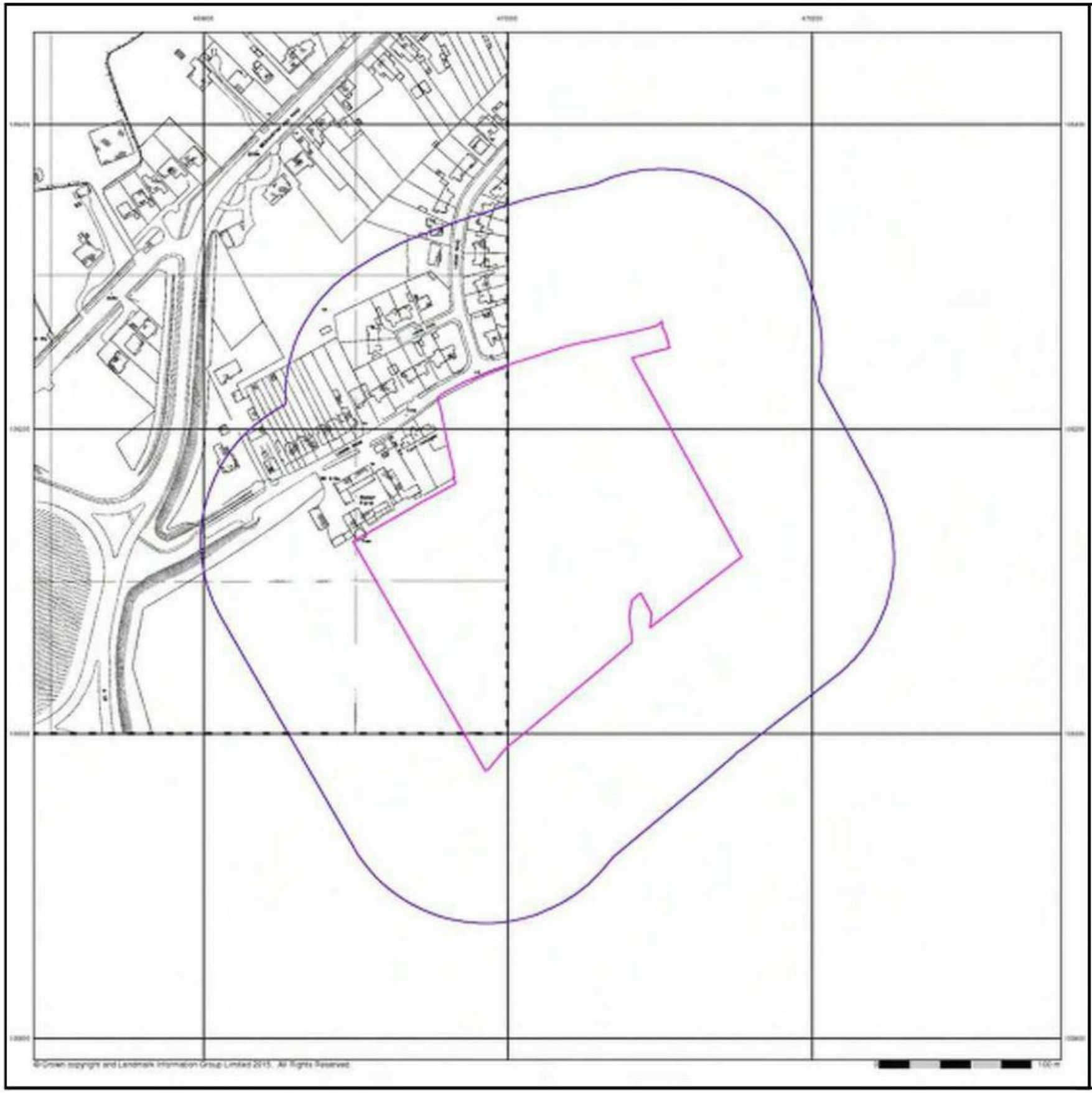
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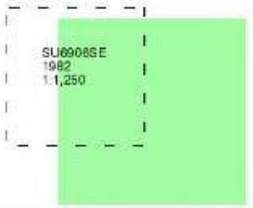
Ordnance Survey Plan

Published 1982

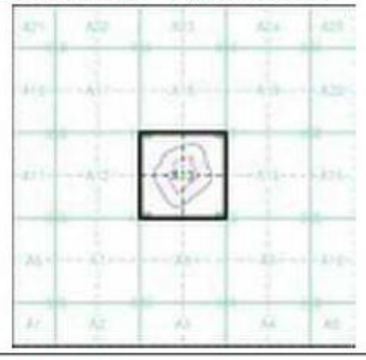
Source map scale - 1:1,250

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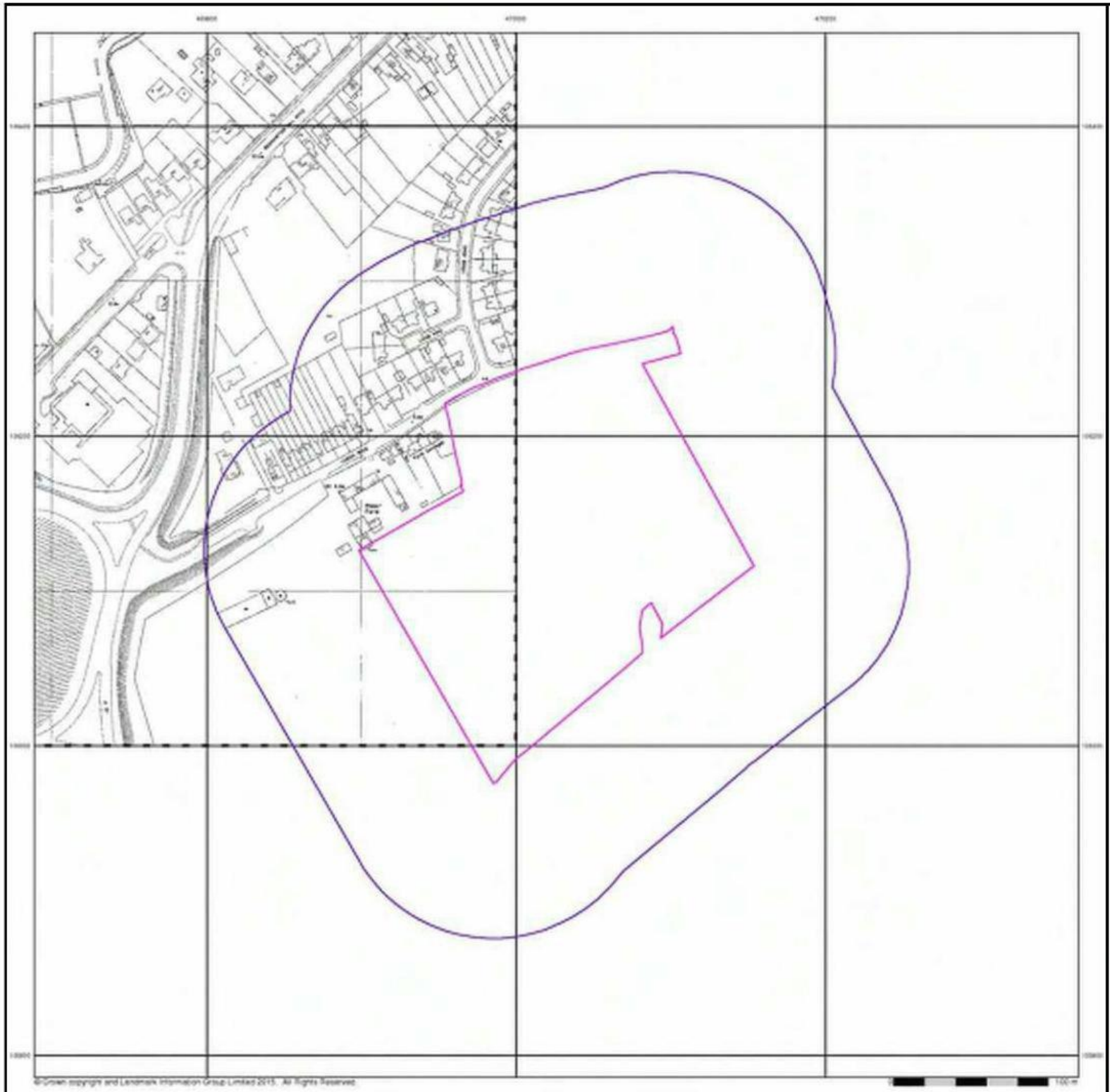


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Site Details

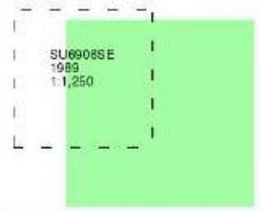
Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



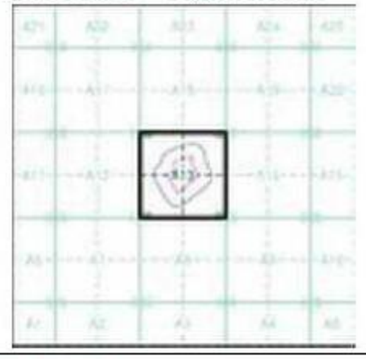
Geo-Environmental
Additional SIMs
Published 1989
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13

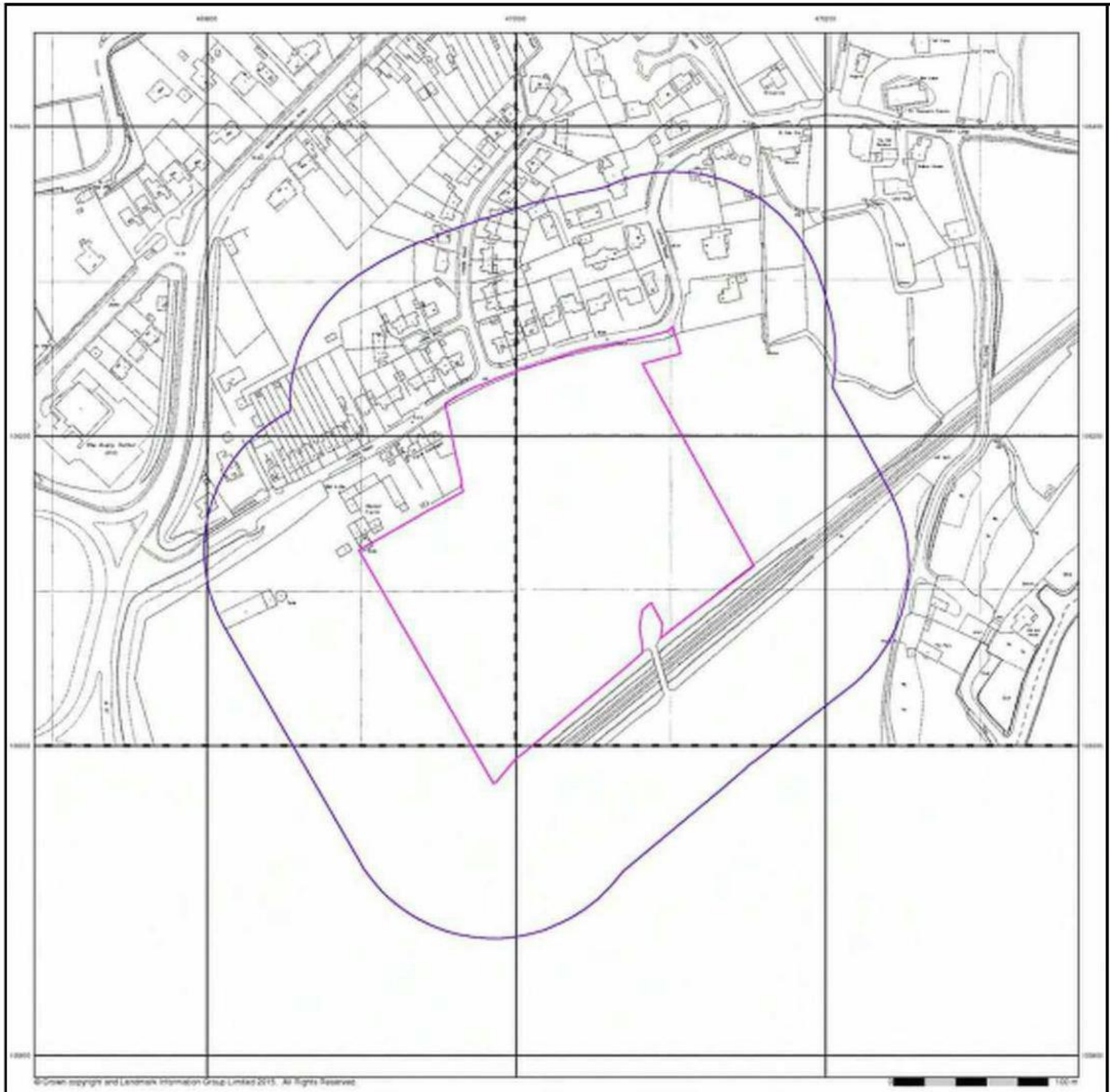


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Geo-Environmental

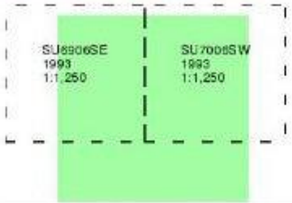
Large-Scale National Grid Data

Published 1993

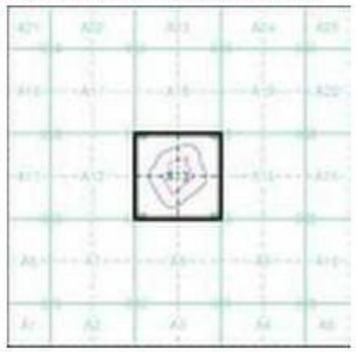
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



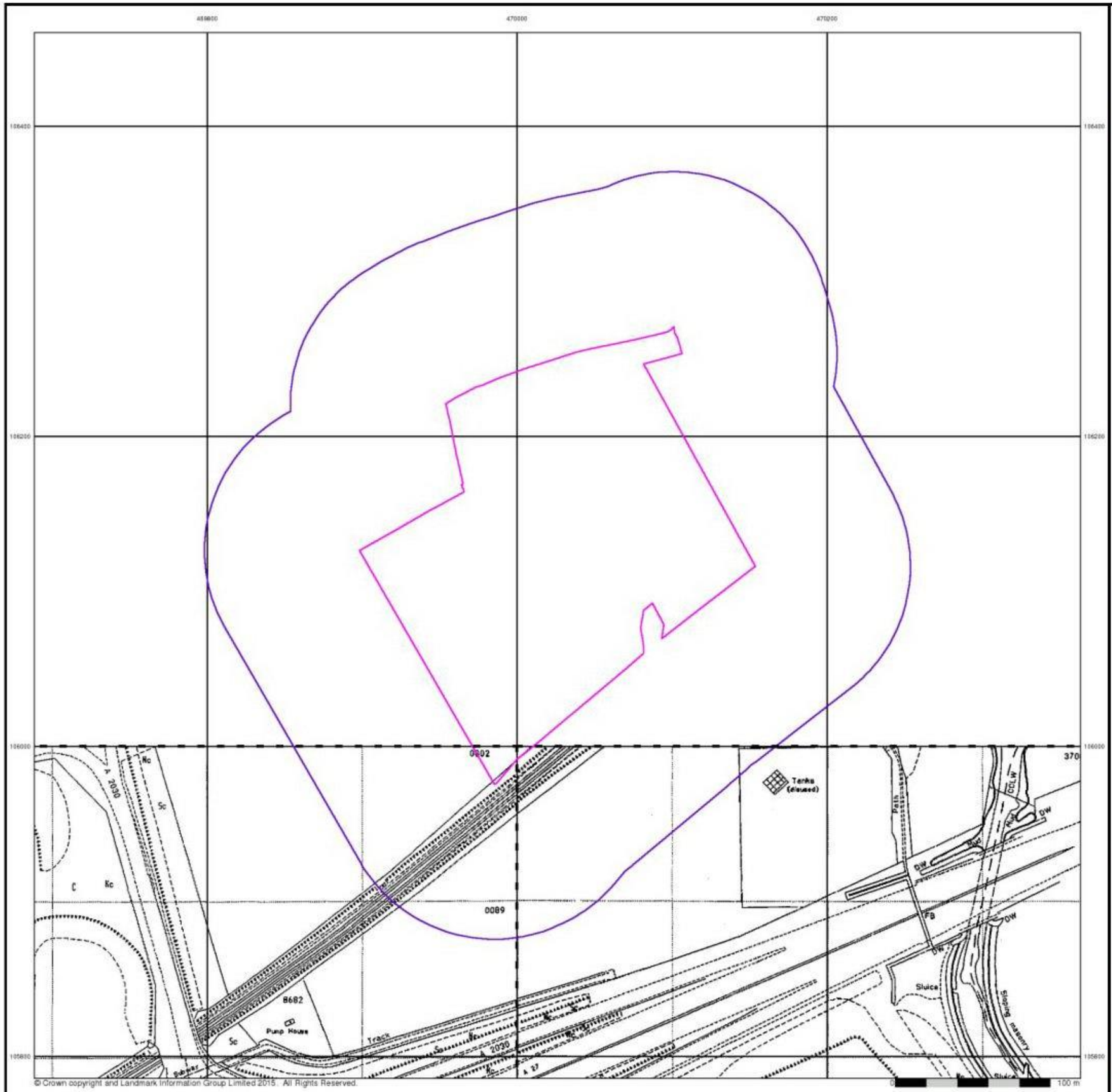
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Geo-Environmental

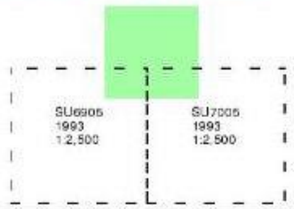
Large-Scale National Grid Data

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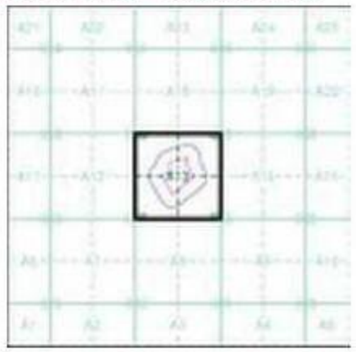
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



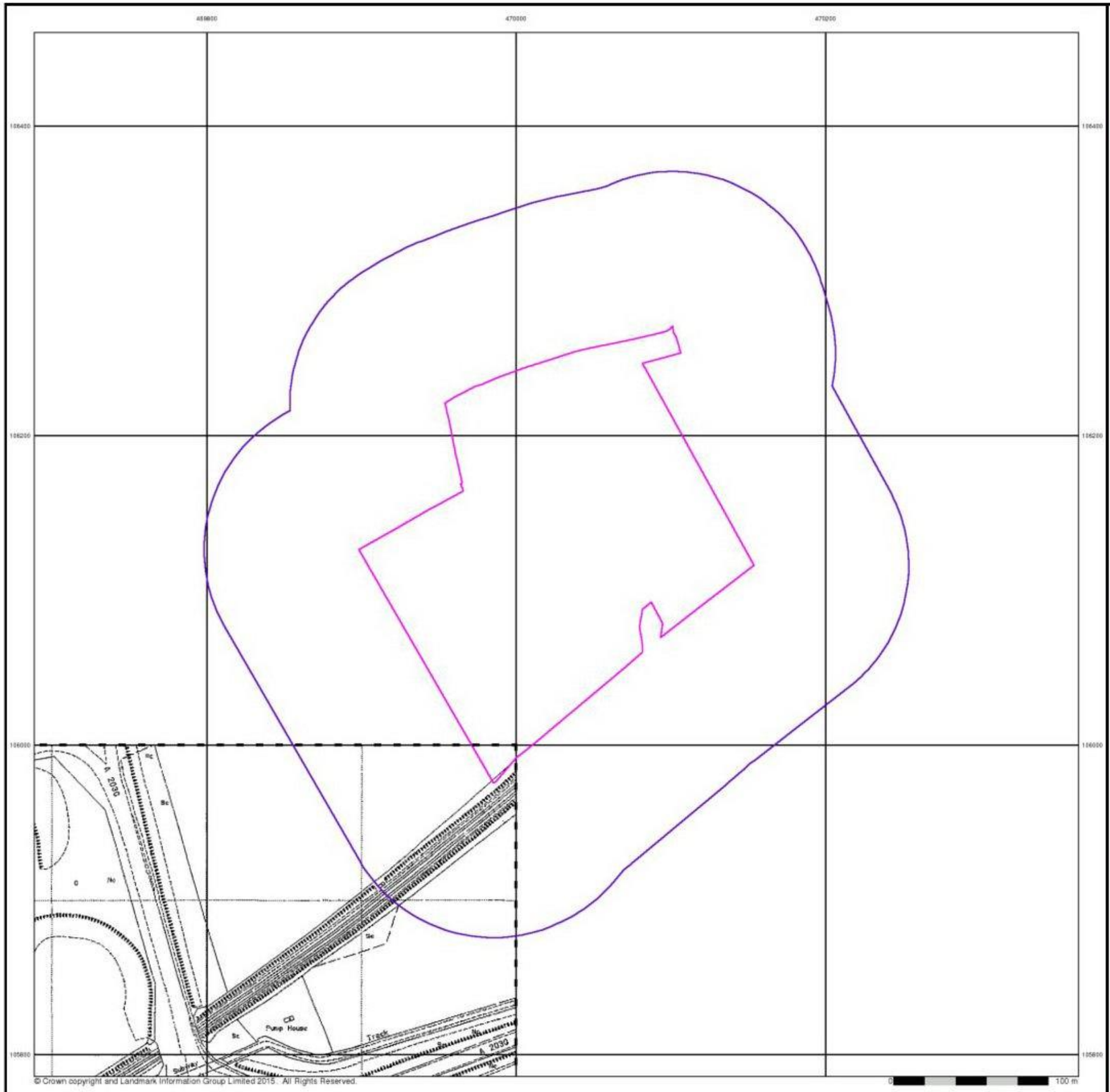
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	100

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

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



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Geo-Environmental

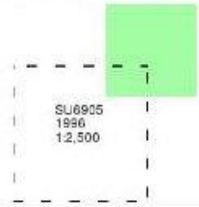
Large-Scale National Grid Data

Published 1996

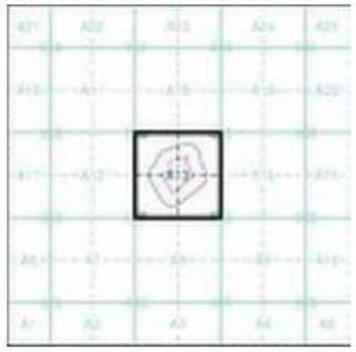
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Site Area (Ha):	3.95
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Site Details

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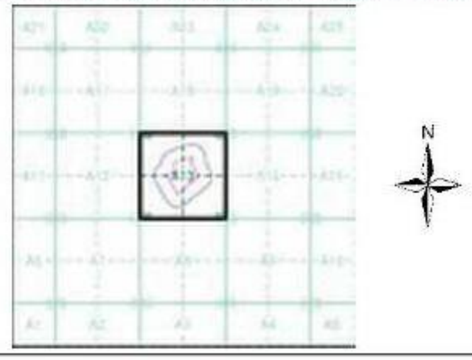
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Geo-Environmental
Historical Aerial Photography
Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	138907560_1_1
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National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
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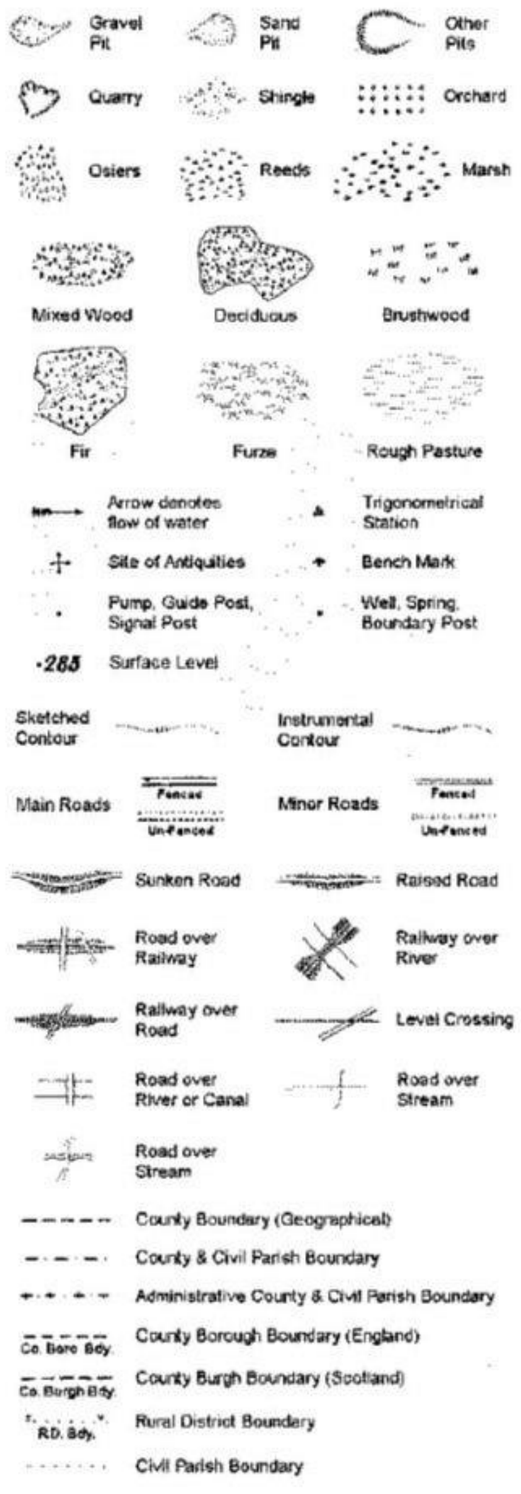
Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

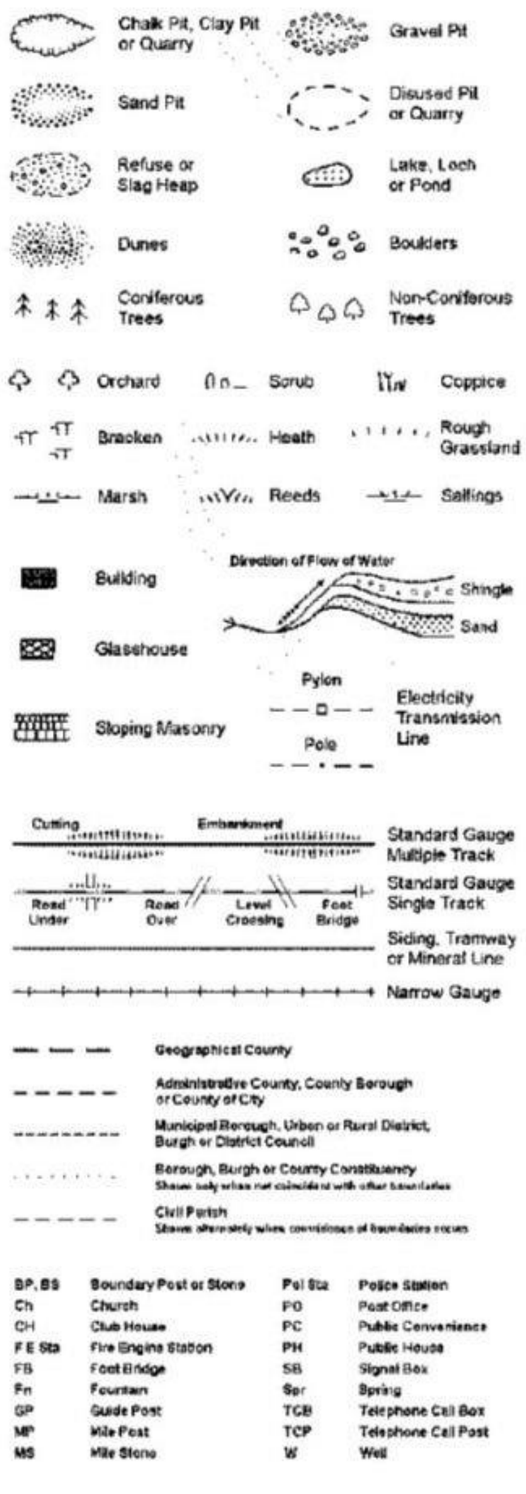
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

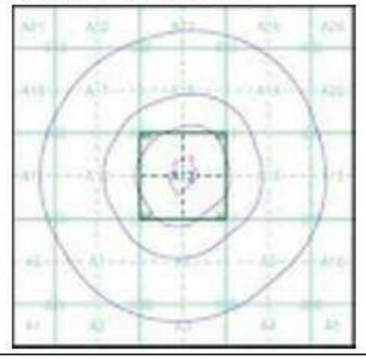


Geo-Environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Sussex	1:10,560	1879 - 1880	4
Hampshire & Isle Of Wight	1:10,560	1898	5
Sussex	1:10,560	1899	6
Hampshire & Isle Of Wight	1:10,560	1909 - 1910	7
Sussex	1:10,560	1914	8
Sussex	1:10,560	1914	9
Sussex	1:10,560	1914	10
Sussex	1:10,560	1932	11
Hampshire & Isle Of Wight	1:10,560	1932	12
Sussex	1:10,560	1932	13
Hampshire & Isle Of Wight	1:10,560	1932	14
Sussex	1:10,560	1932	15
Hampshire & Isle Of Wight	1:10,560	1933	16
Hampshire & Isle Of Wight	1:10,560	1933	17
Hampshire & Isle Of Wight	1:10,560	1938 - 1942	18
Historical Aerial Photography	1:10,560	1949 - 1950	19
Ordnance Survey Plan	1:10,000	1962 - 1963	20
Ordnance Survey Plan	1:10,000	1966	21
Ordnance Survey Plan	1:10,000	1972 - 1975	22
Ordnance Survey Plan	1:10,000	1982	23
Havant	1:25,000	1983	24
Portsmouth	1:10,000	1988	25
Ordnance Survey Plan	1:10,000	1990 - 1992	26
10K Raster Mapping	1:10,000	2000	27
10K Raster Mapping	1:10,000	2006	28
VectorMap Local	1:10,000	2017	29

Historical Map - Slice A



Order Details

Order Number: 138907560_1_1
Customer Ref: GE16507
National Grid Reference: 470030, 106130
Slice: A
Site Area (Ha): 3.95
Search Buffer (m): 1000

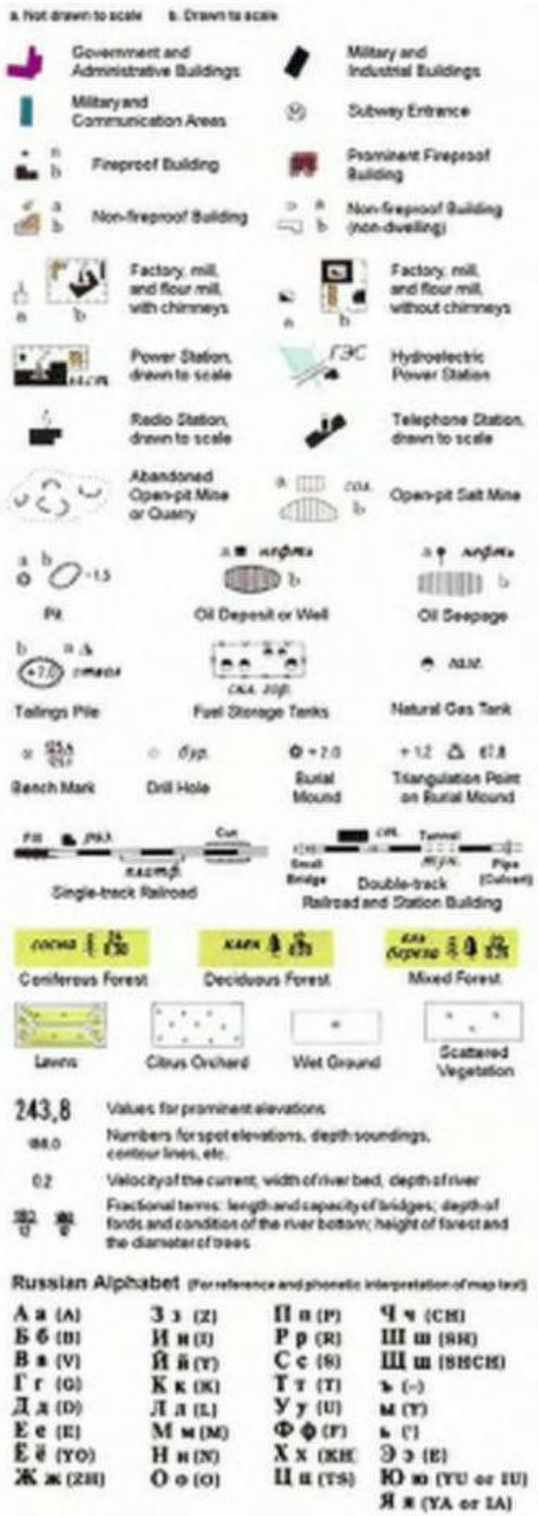
Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

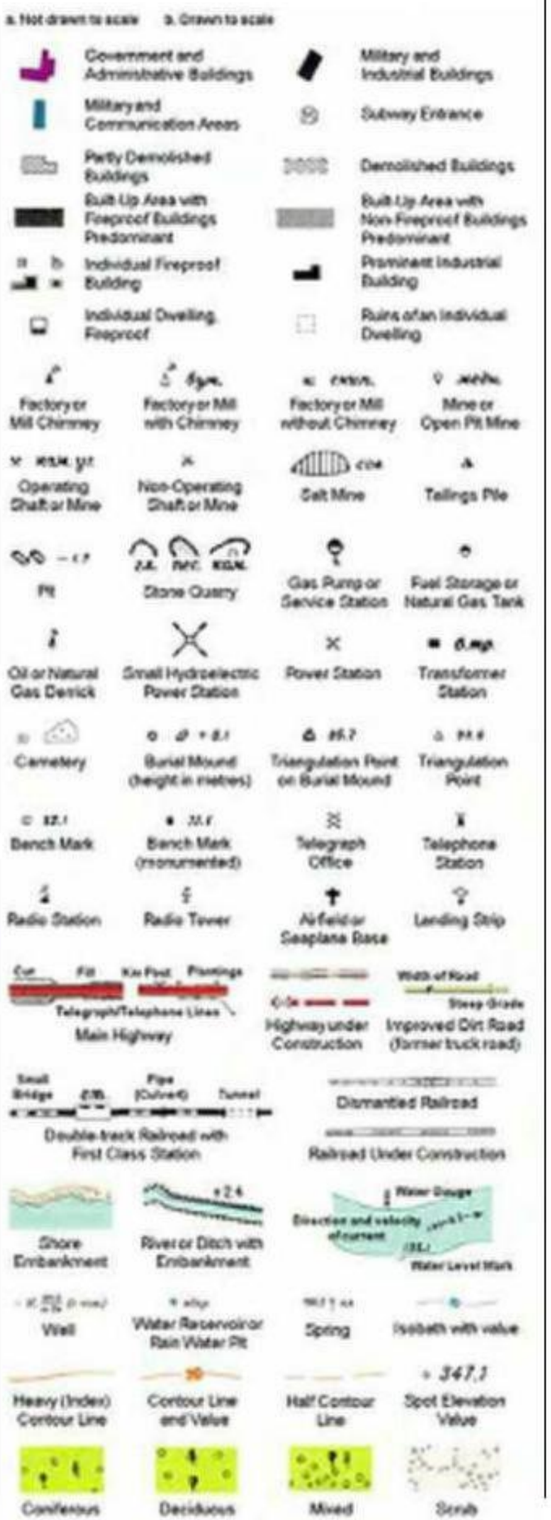
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Web: www.envirocheck.co.uk

Russian Military Mapping Legends

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



1:25,000 mapping



Key to Numbers on Mapping

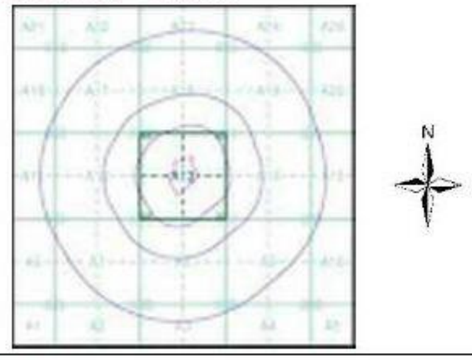
SU70_Havant

No.	Description
17	Sewage Works

Geo-Environmental
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Sussex	1:10,560	1879 - 1880	4
Hampshire & Isle Of Wight	1:10,560	1898	5
Sussex	1:10,560	1899	6
Hampshire & Isle Of Wight	1:10,560	1909 - 1910	7
Sussex	1:10,560	1914	8
Sussex	1:10,560	1914	9
Sussex	1:10,560	1914	10
Sussex	1:10,560	1932	11
Hampshire & Isle Of Wight	1:10,560	1932	12
Sussex	1:10,560	1932	13
Hampshire & Isle Of Wight	1:10,560	1932	14
Sussex	1:10,560	1932	15
Hampshire & Isle Of Wight	1:10,560	1933	16
Hampshire & Isle Of Wight	1:10,560	1933	17
Hampshire & Isle Of Wight	1:10,560	1938 - 1942	18
Historical Aerial Photography	1:10,560	1949 - 1950	19
Ordnance Survey Plan	1:10,000	1962 - 1963	20
Ordnance Survey Plan	1:10,000	1966	21
Ordnance Survey Plan	1:10,000	1972 - 1975	22
Ordnance Survey Plan	1:10,000	1982	23
Havant	1:25,000	1983	24
Portsmouth	1:10,000	1988	25
Ordnance Survey Plan	1:10,000	1990 - 1992	26
10K Raster Mapping	1:10,000	2000	27
10K Raster Mapping	1:10,000	2006	28
VectorMap Local	1:10,000	2017	29

Russian Map - Slice A



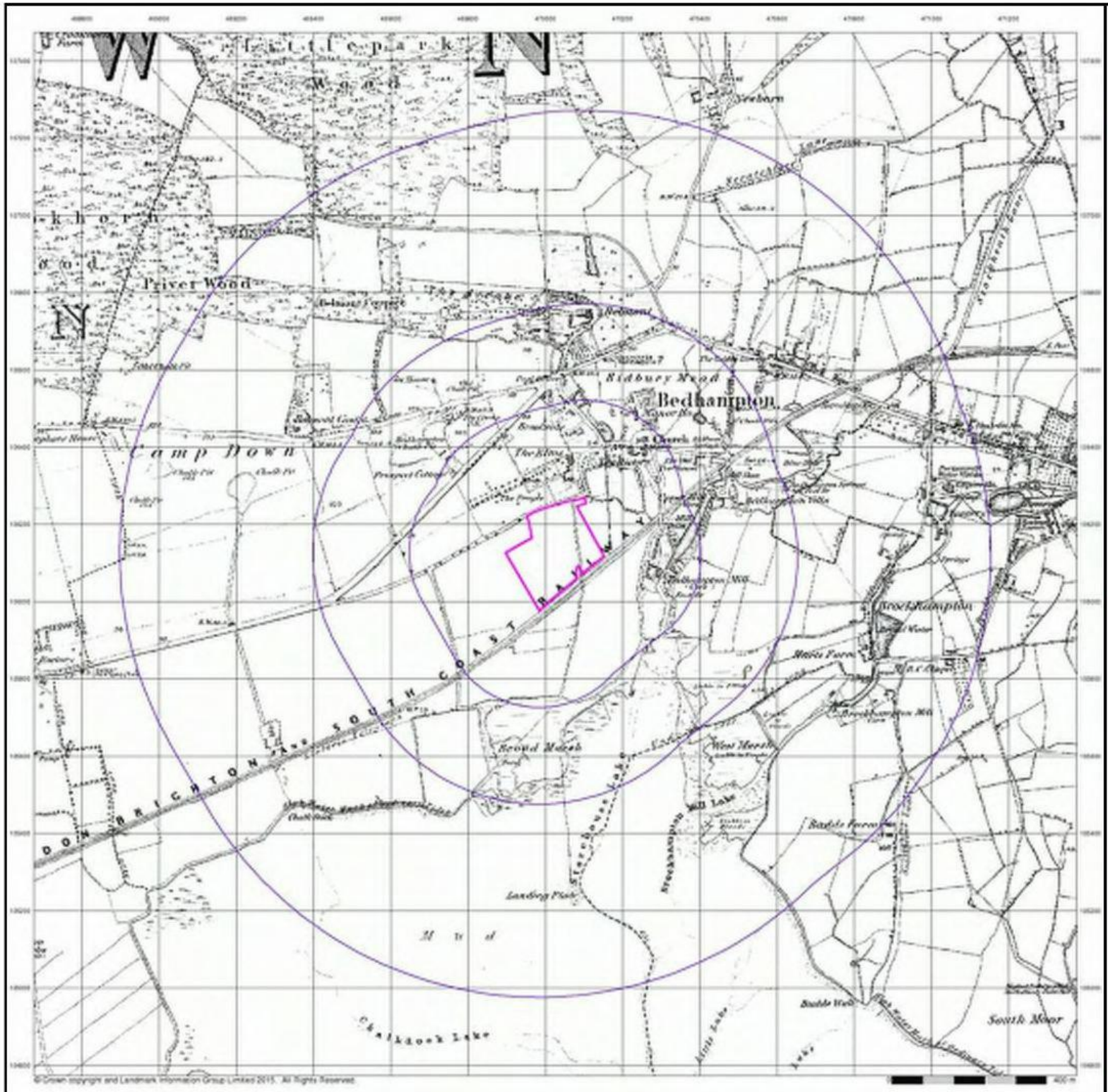
Order Details

Order Number: 138907560_1_1
Customer Ref: GE16507
National Grid Reference: 470030, 106130
Slice: A
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Geo-Environmental

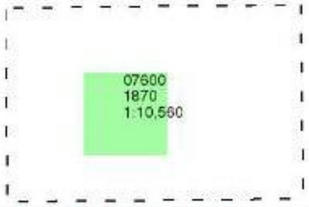
Hampshire & Isle Of Wight

Published 1870

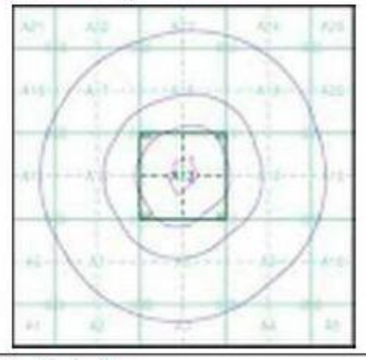
Source map scale - 1:10,560

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

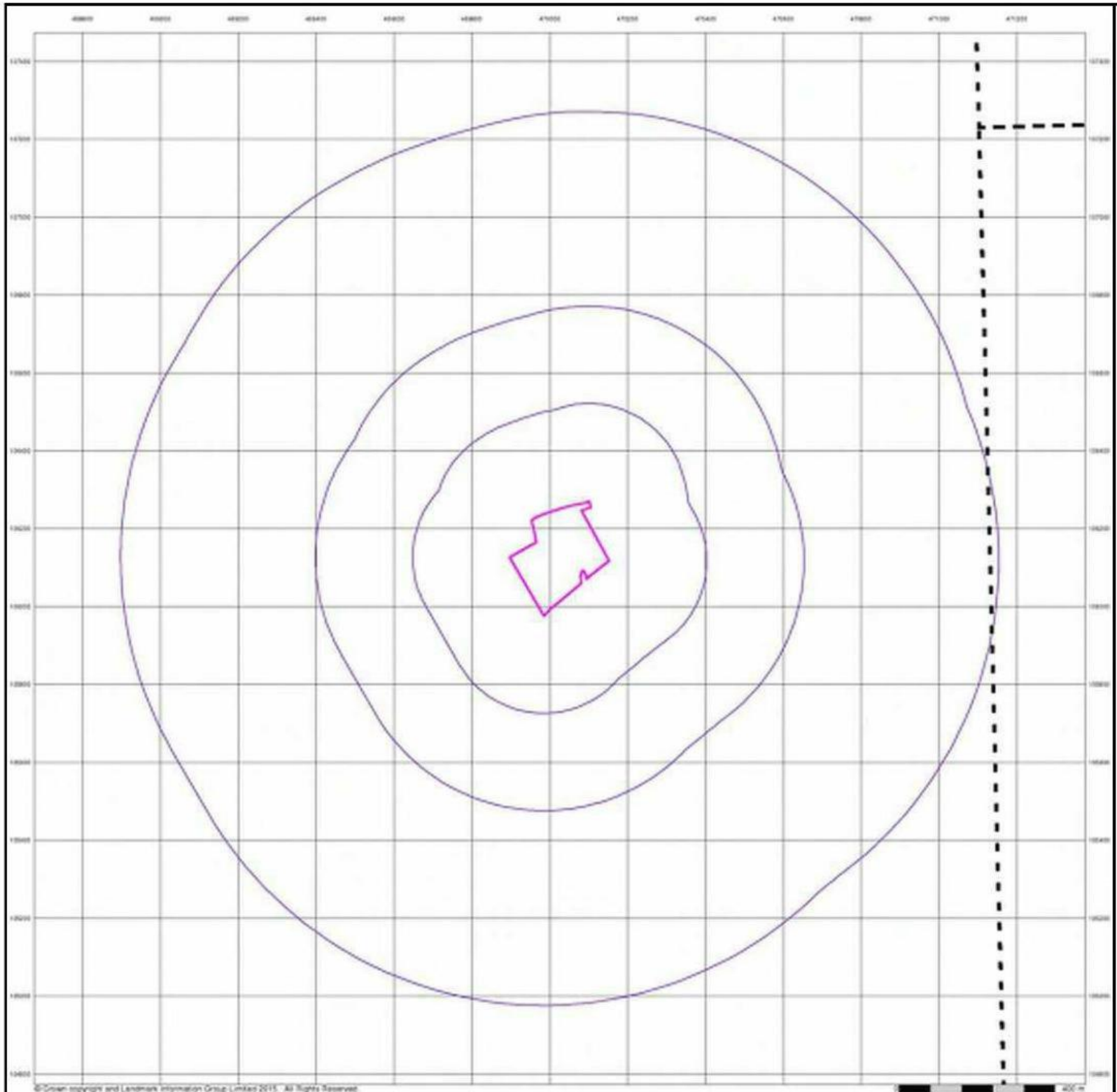


Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental

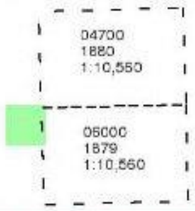
Sussex

Published 1879 - 1880

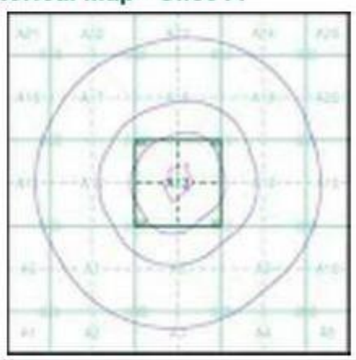
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

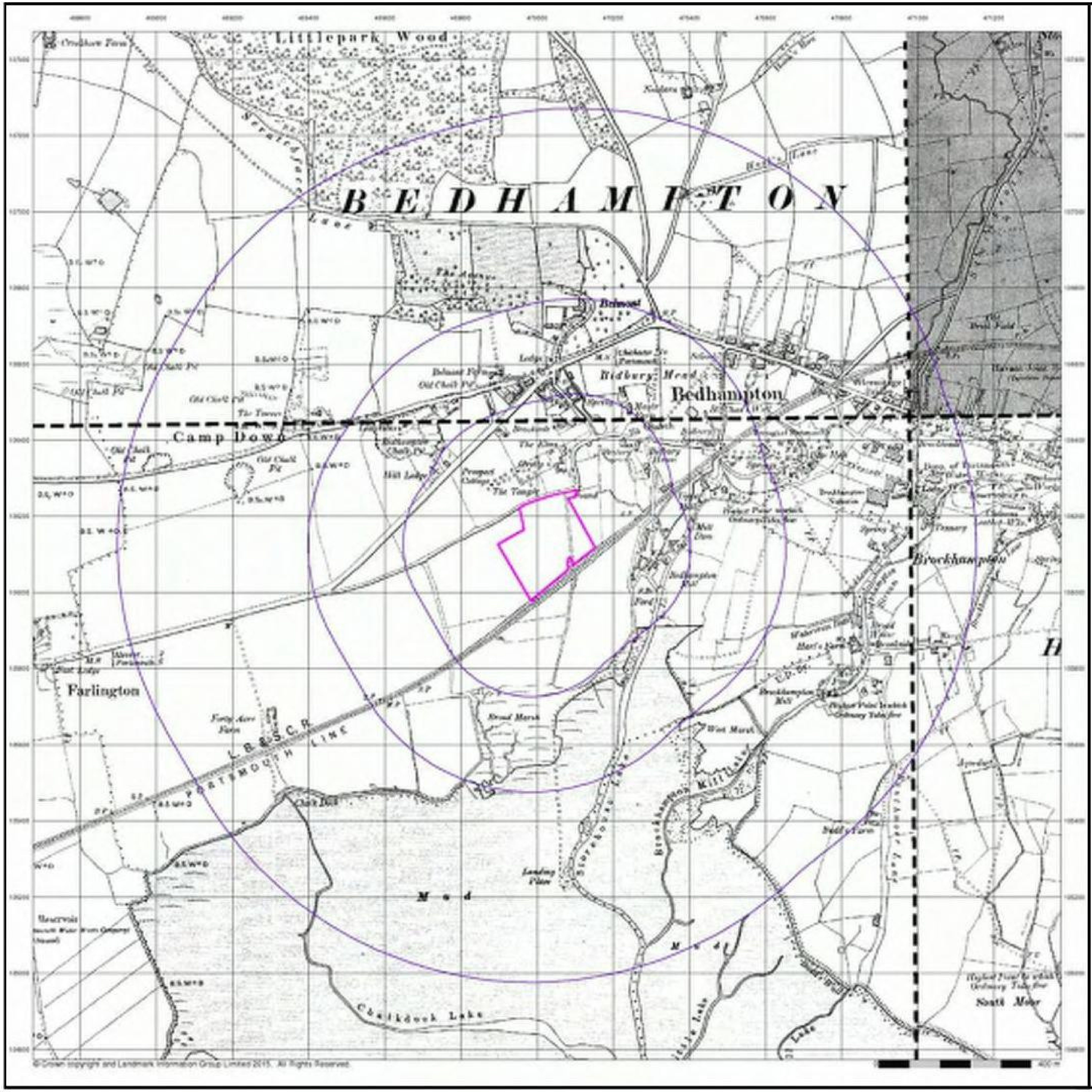


Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



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Geo-Environmental

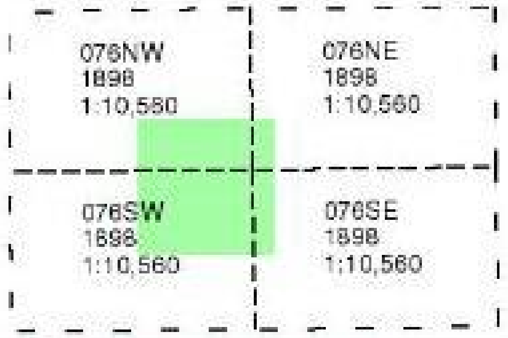
Hampshire & Isle Of Wight

Published 1898

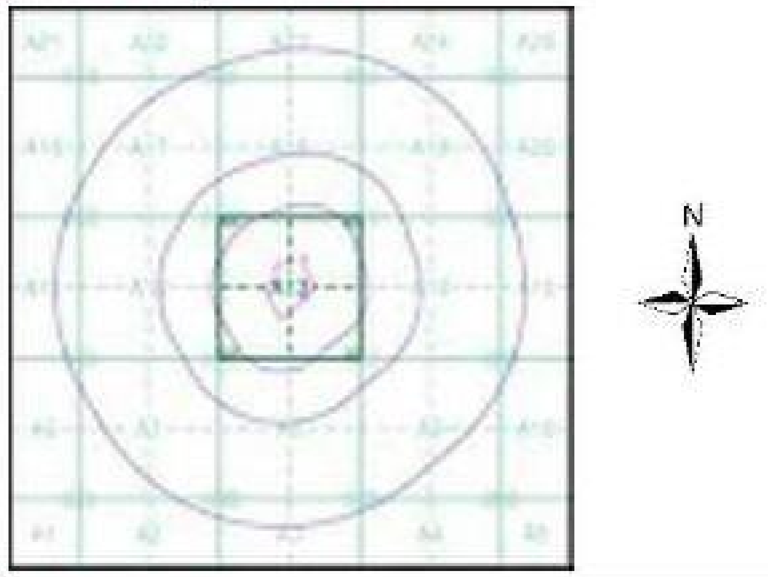
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

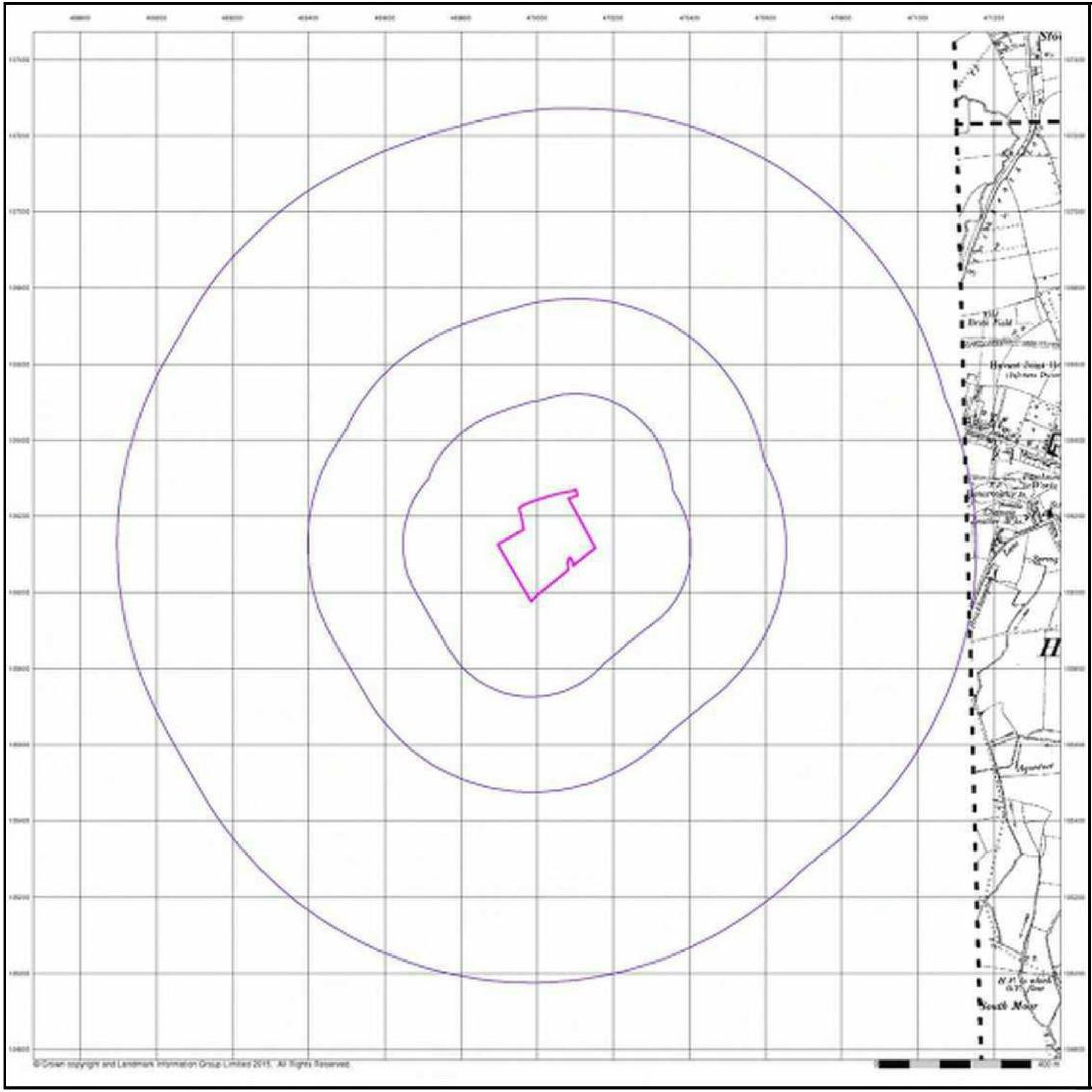


Order Details

Order Number: 138907560_1_1
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Site Details

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HAVANT, PO9 3NB



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Geo-Environmental

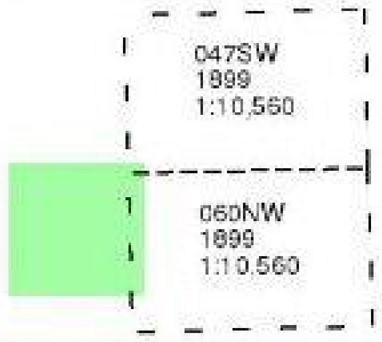
Sussex

Published 1899

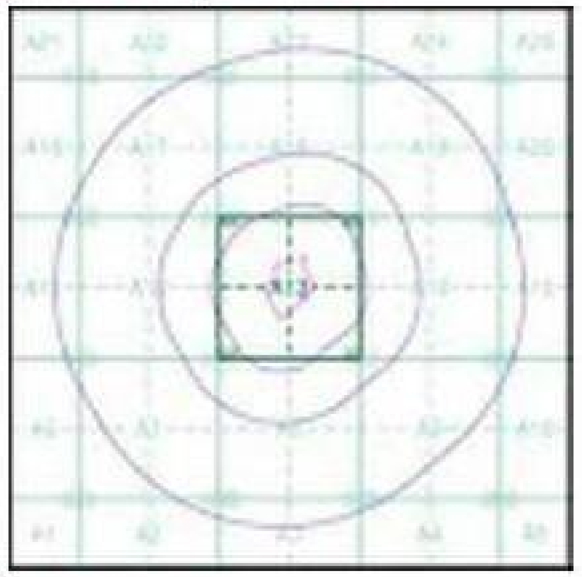
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

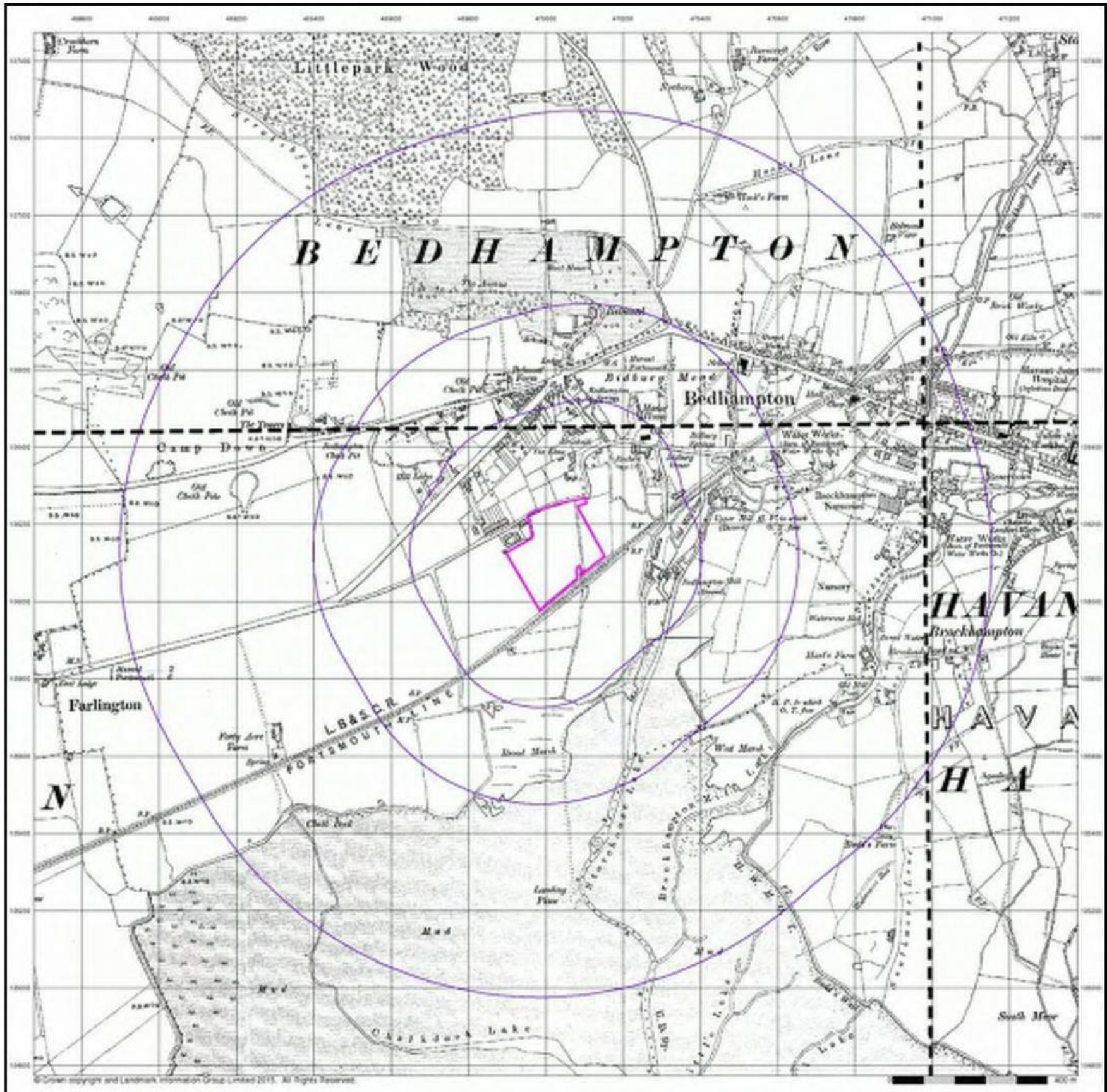
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Slice: A
Site Area (Ha): 3.95
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Site Details

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Geo-Environmental

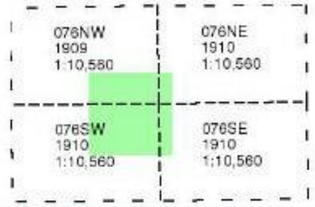
Hampshire & Isle Of Wight

Published 1909 - 1910

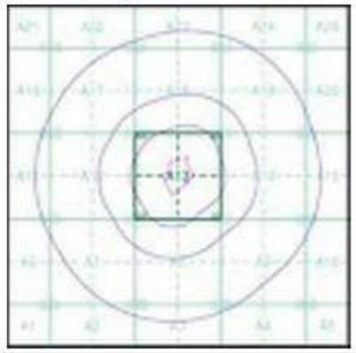
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



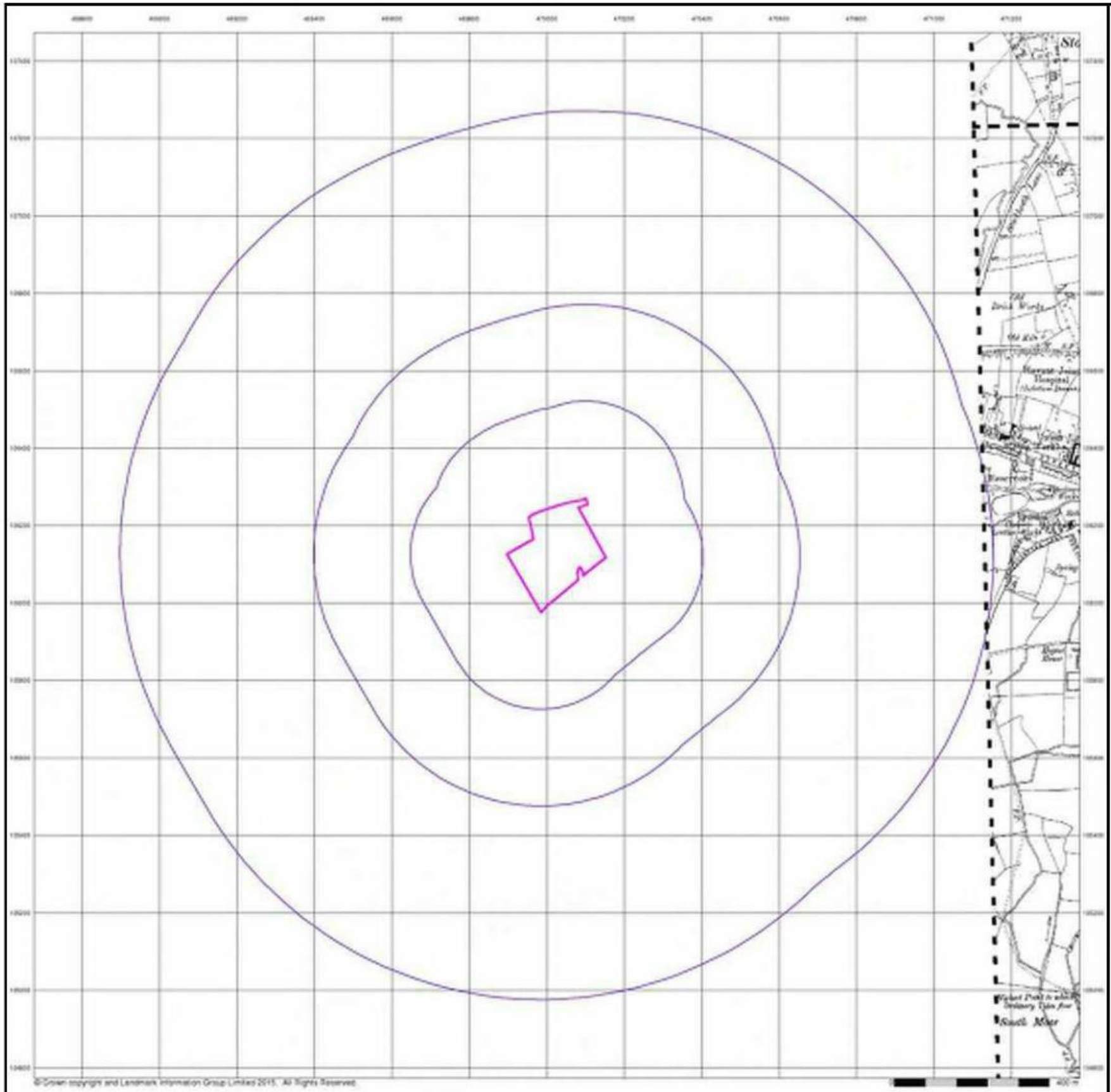
Order Details

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Geo-Environmental

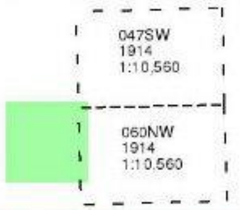
Sussex

Published 1914

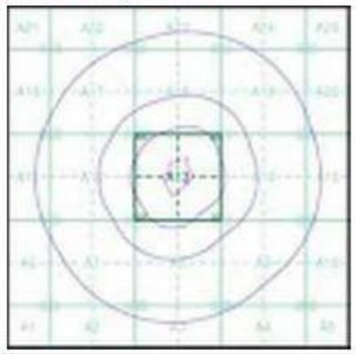
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

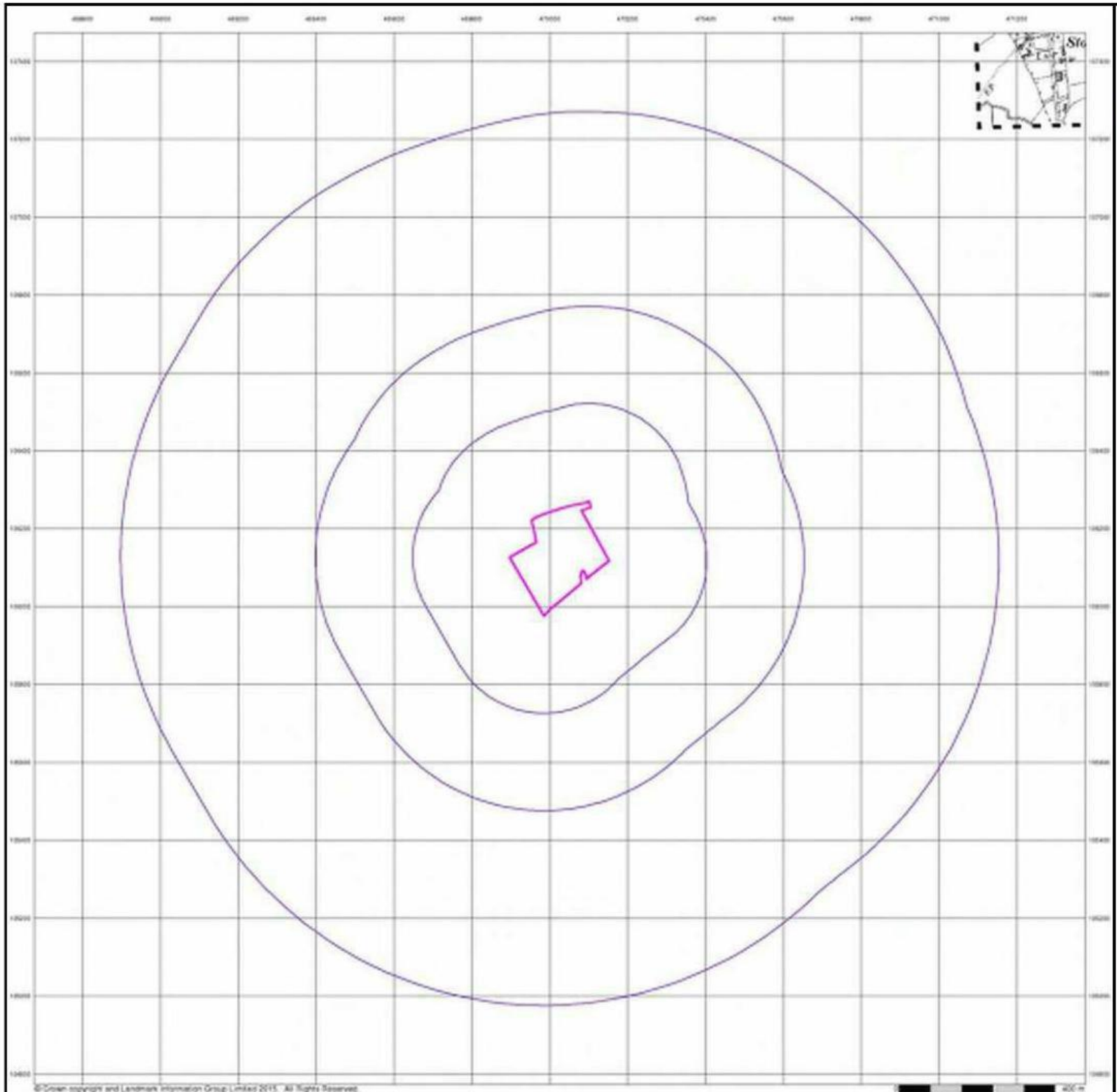


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Slice:	A
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Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



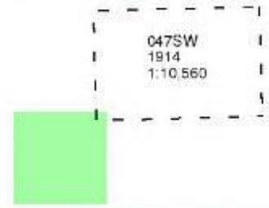
Geo-Environmental
Sussex

Published 1914

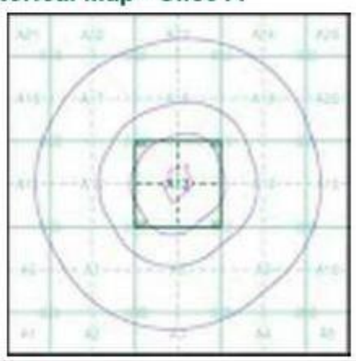
Source map scale - 1:10,560

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

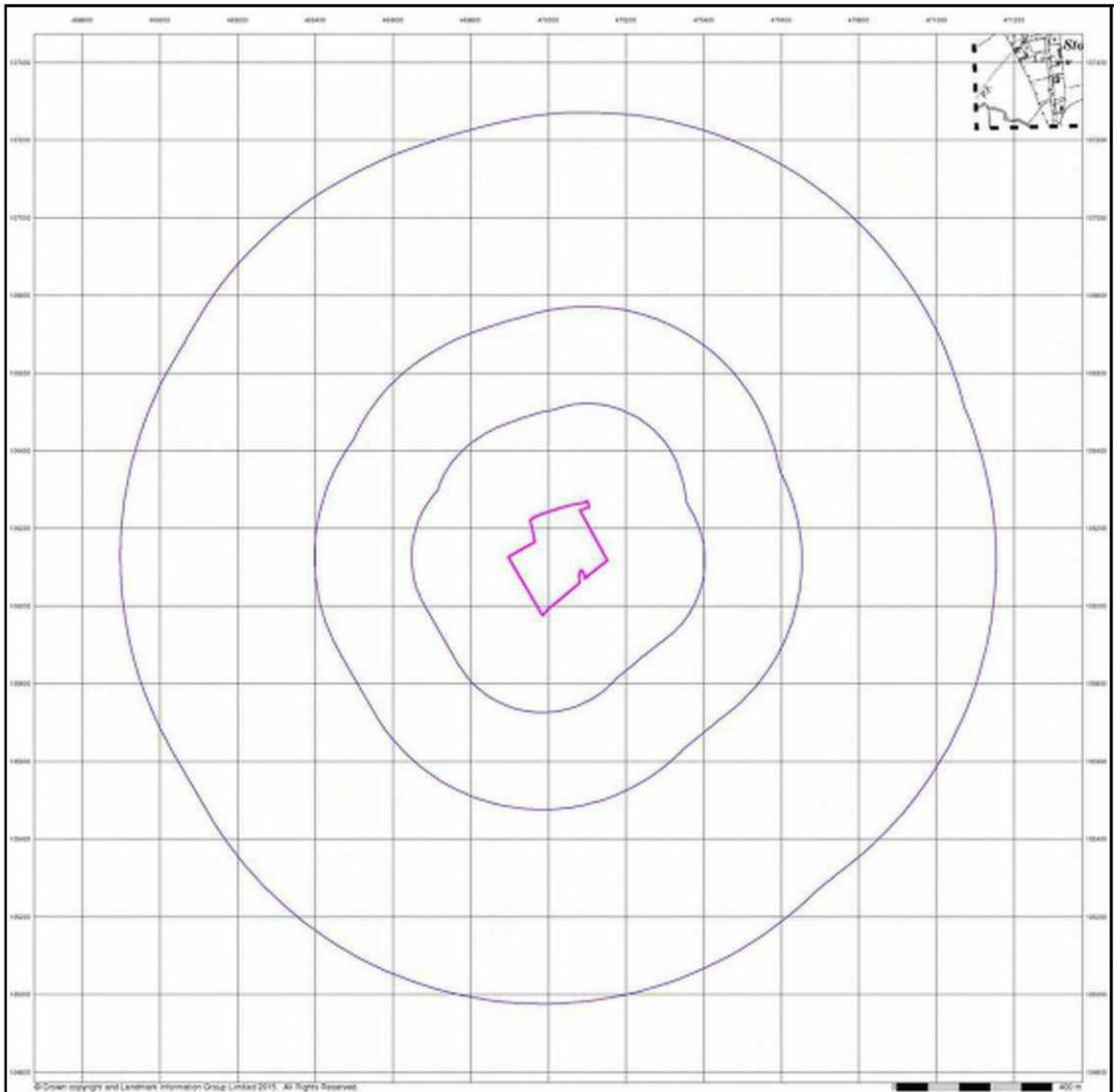


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Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental

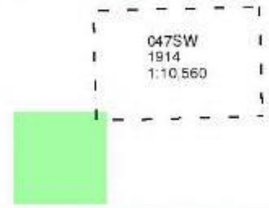
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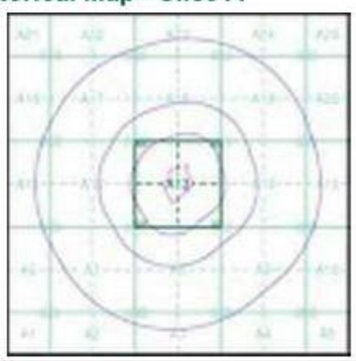
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Historical Map - Slice A

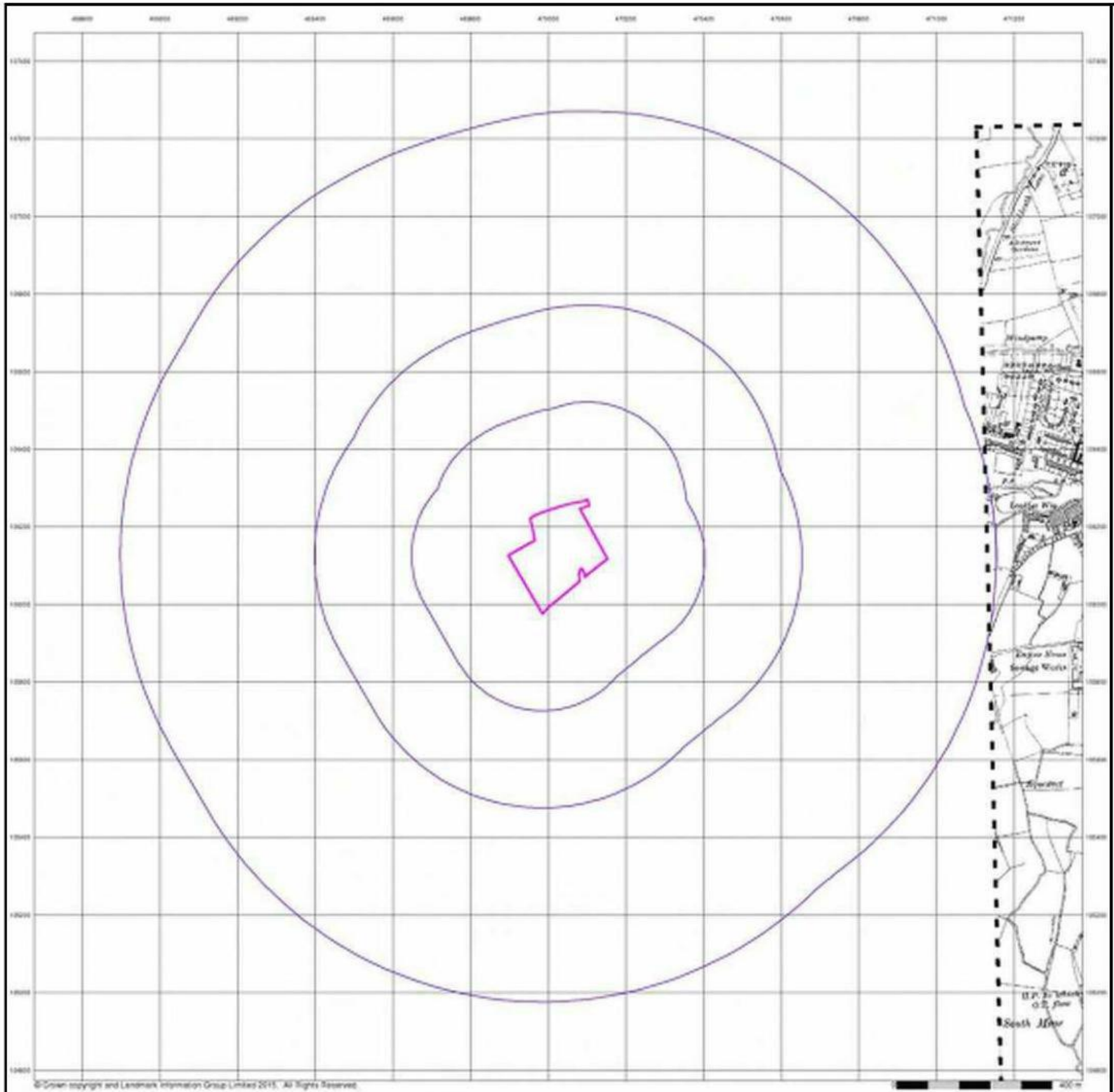


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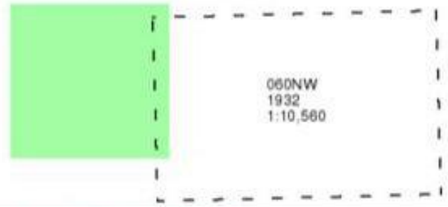
Sussex

Published 1932

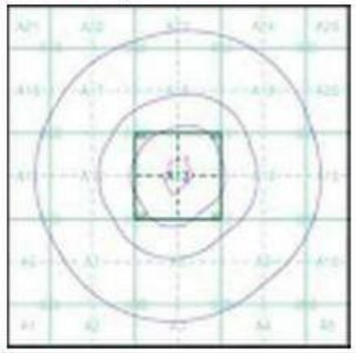
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Map Name(s) and Date(s)



Historical Map - Slice A



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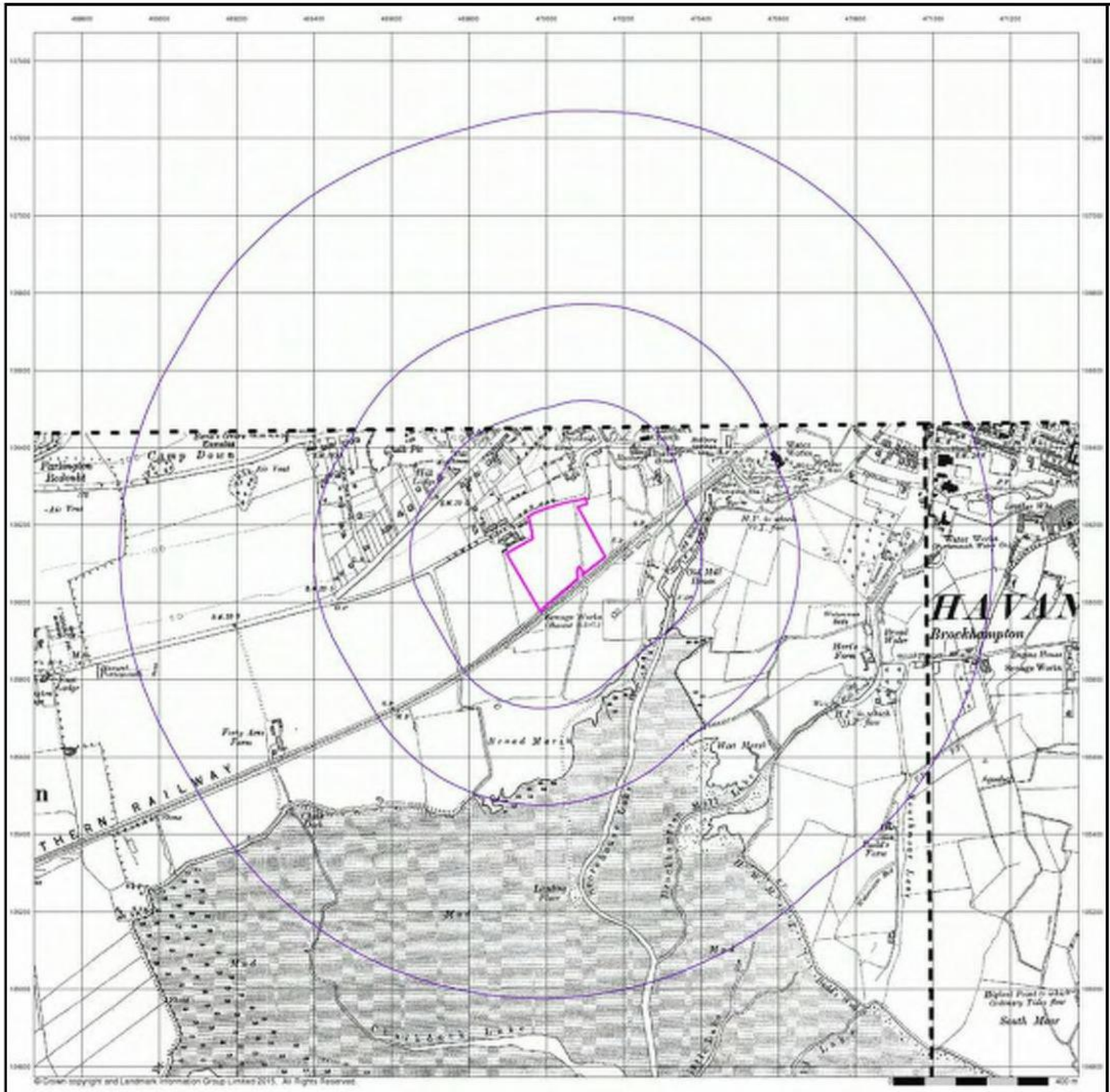
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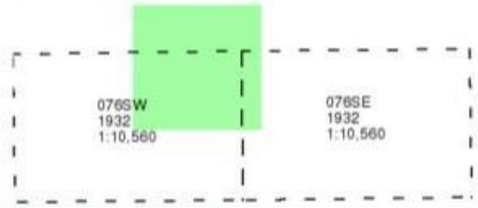
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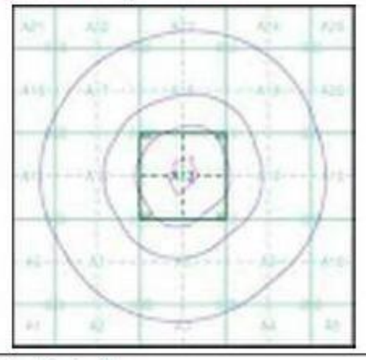
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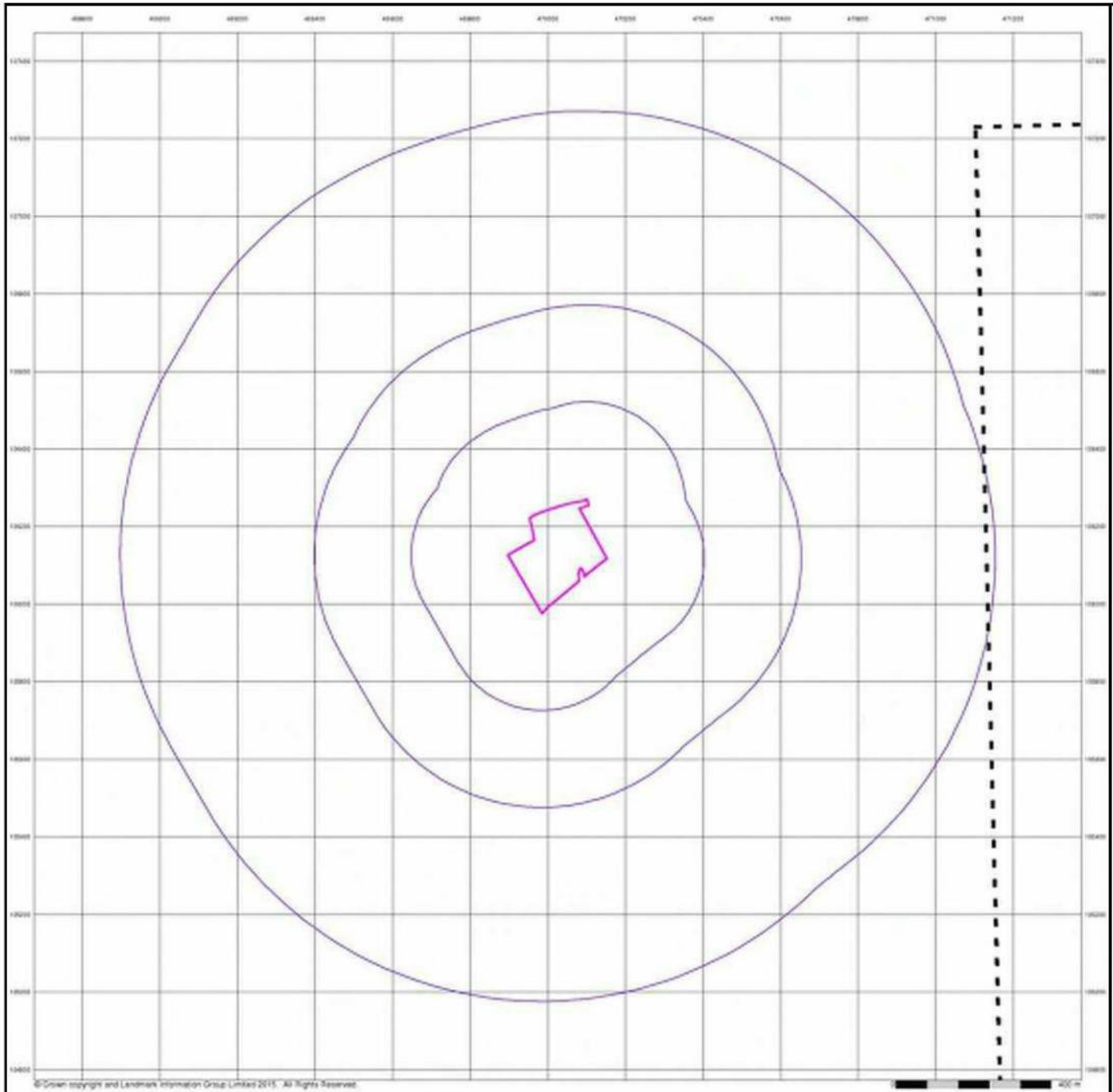


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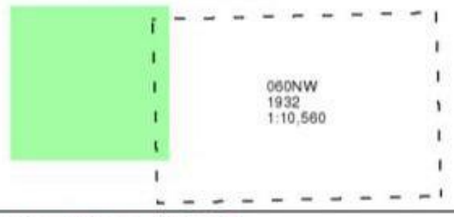
Sussex

Published 1932

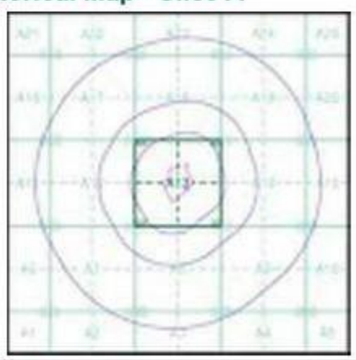
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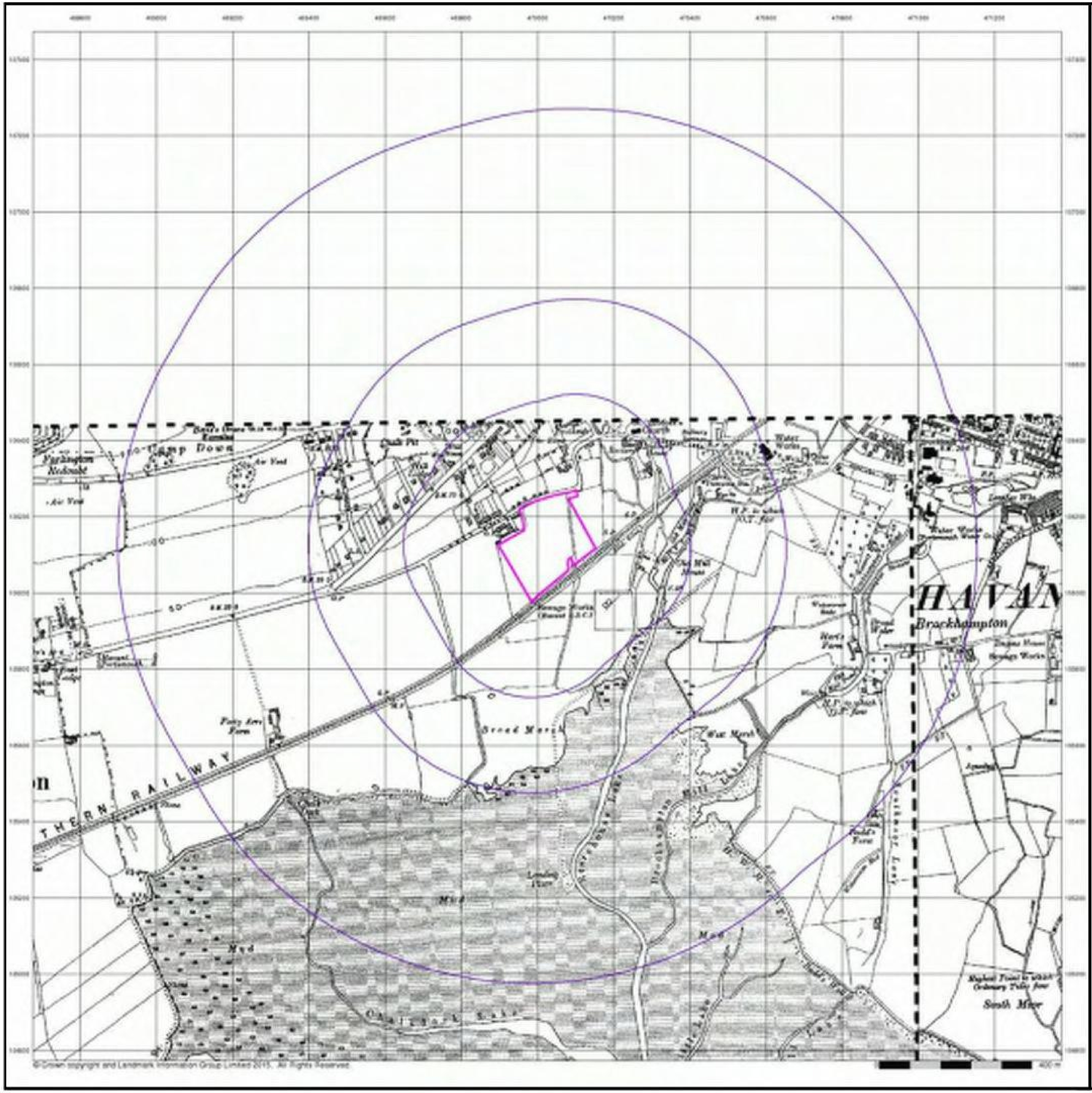


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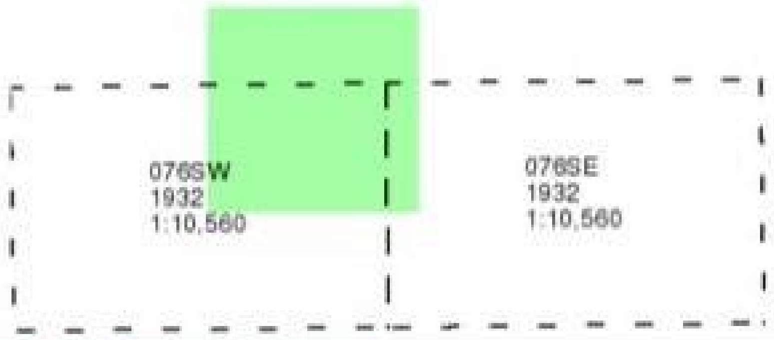
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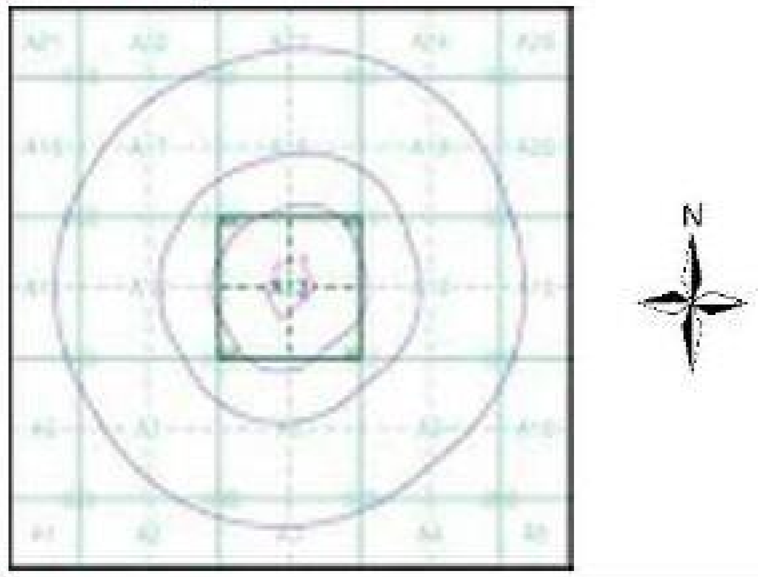
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Historical Map - Slice A



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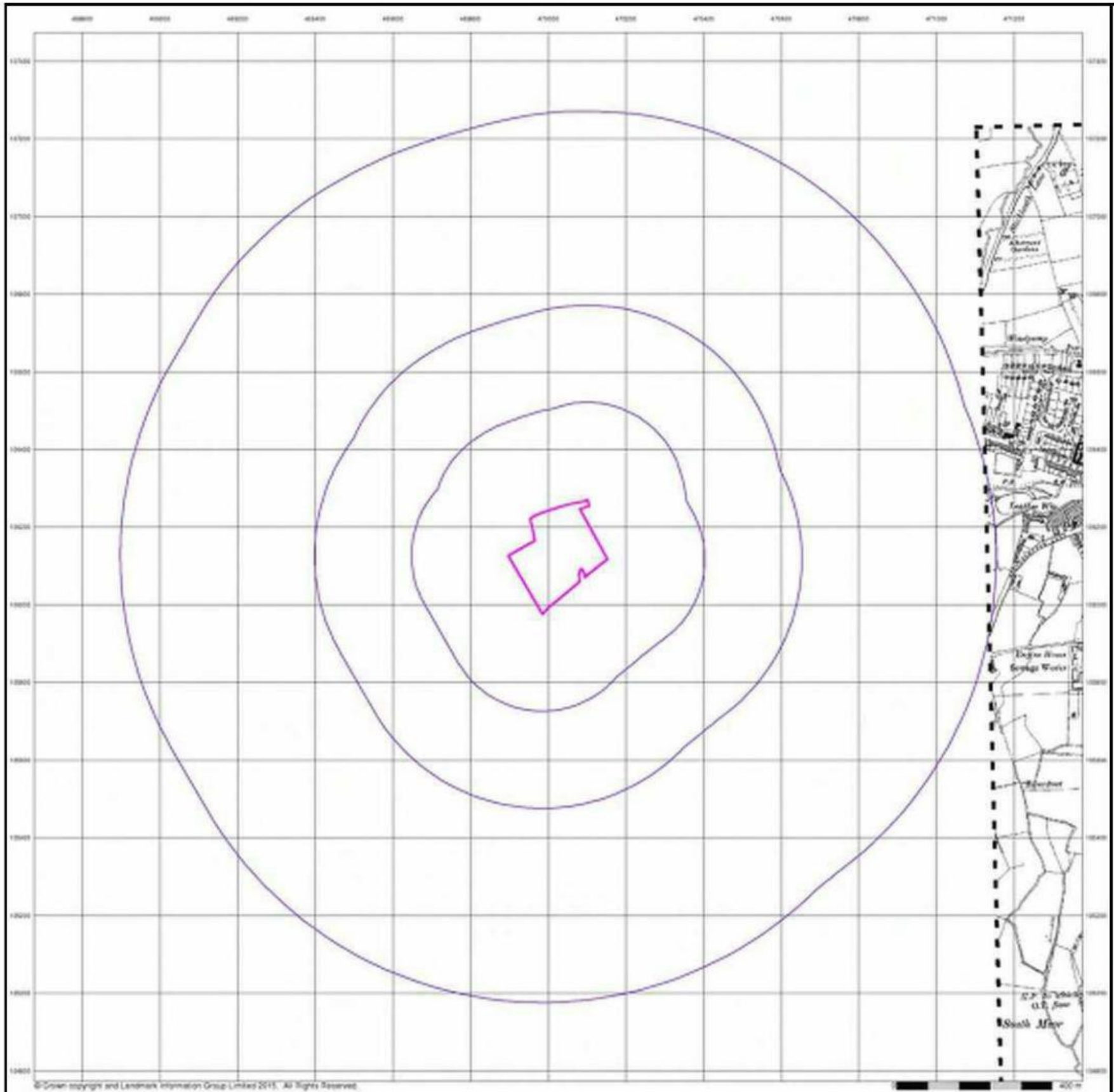
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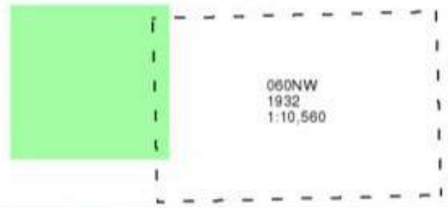
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Published 1932

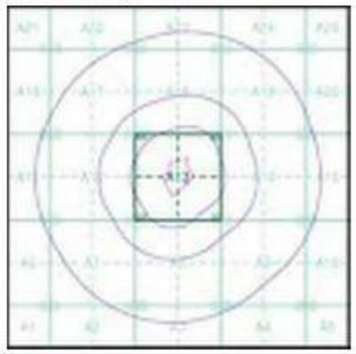
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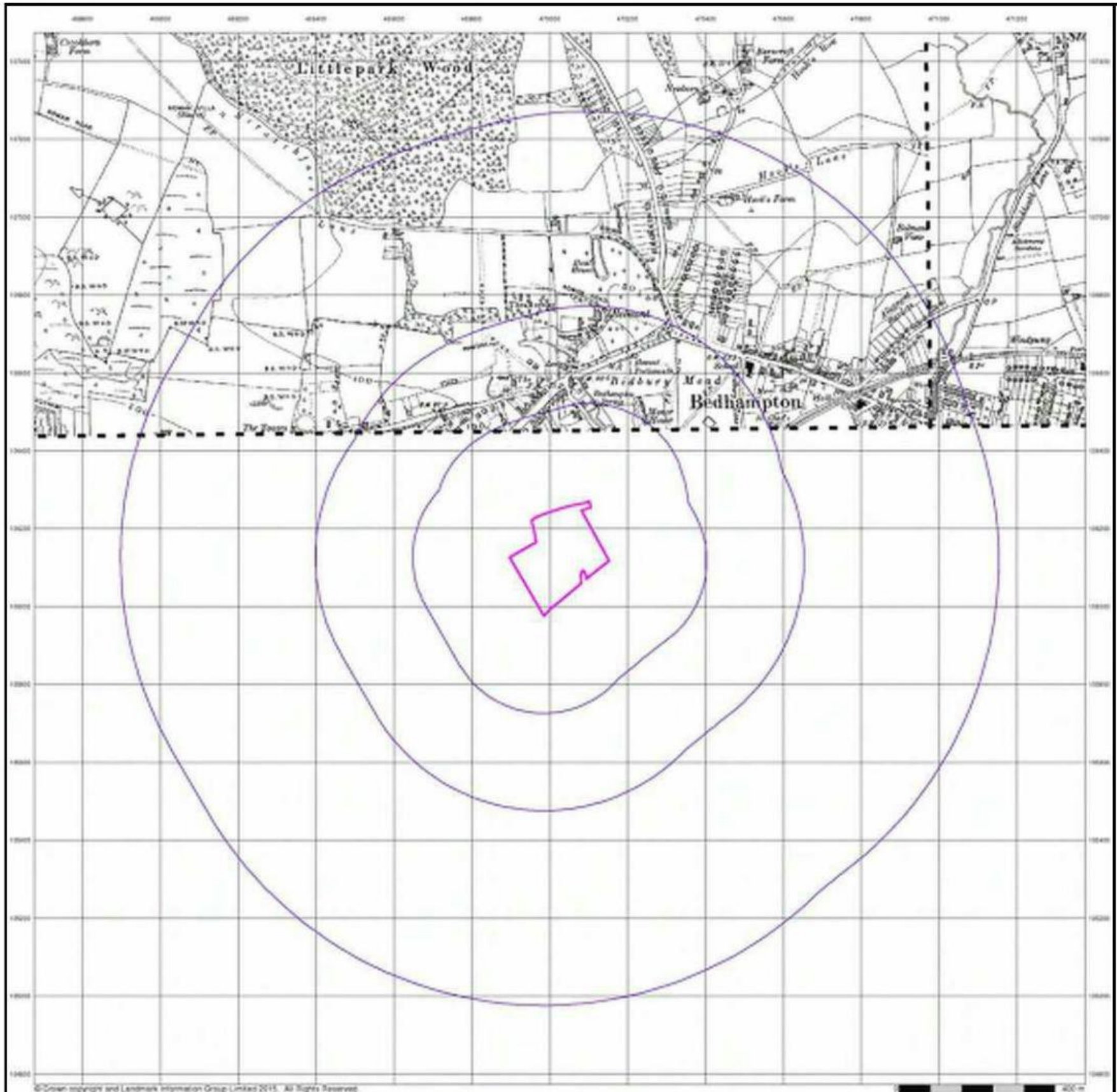


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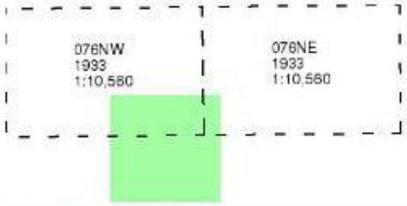
Hampshire & Isle Of Wight

Published 1933

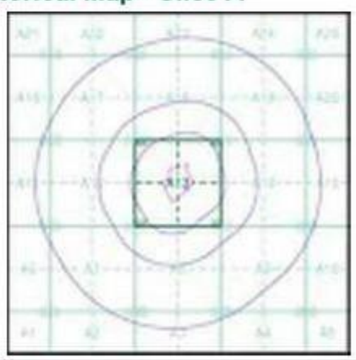
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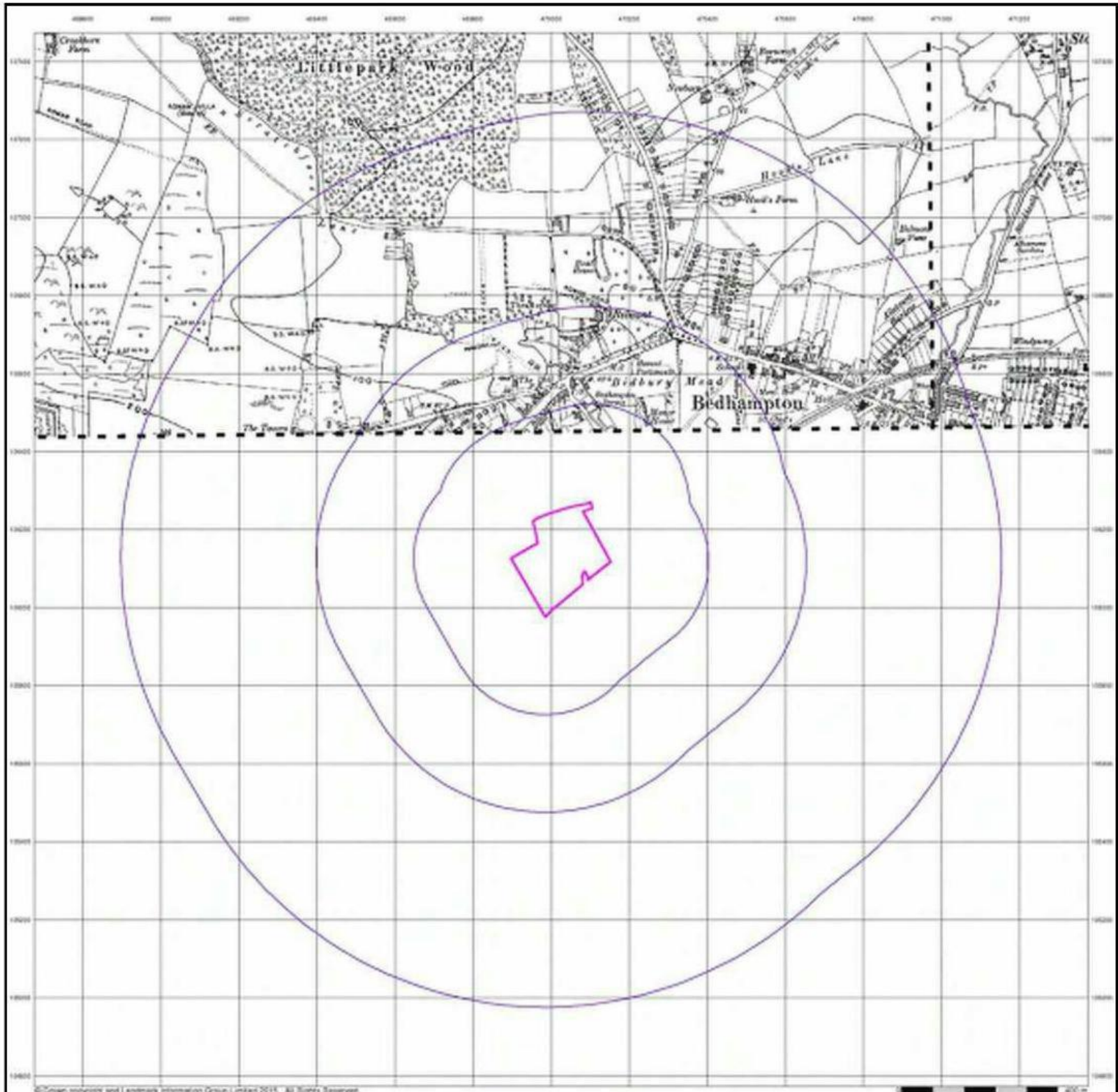
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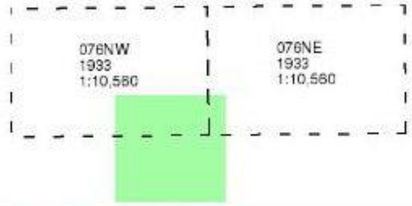
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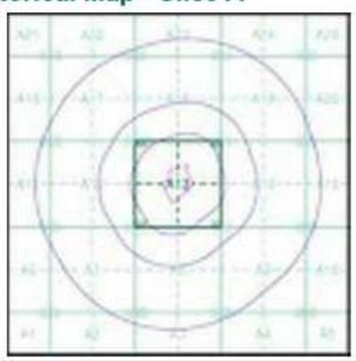
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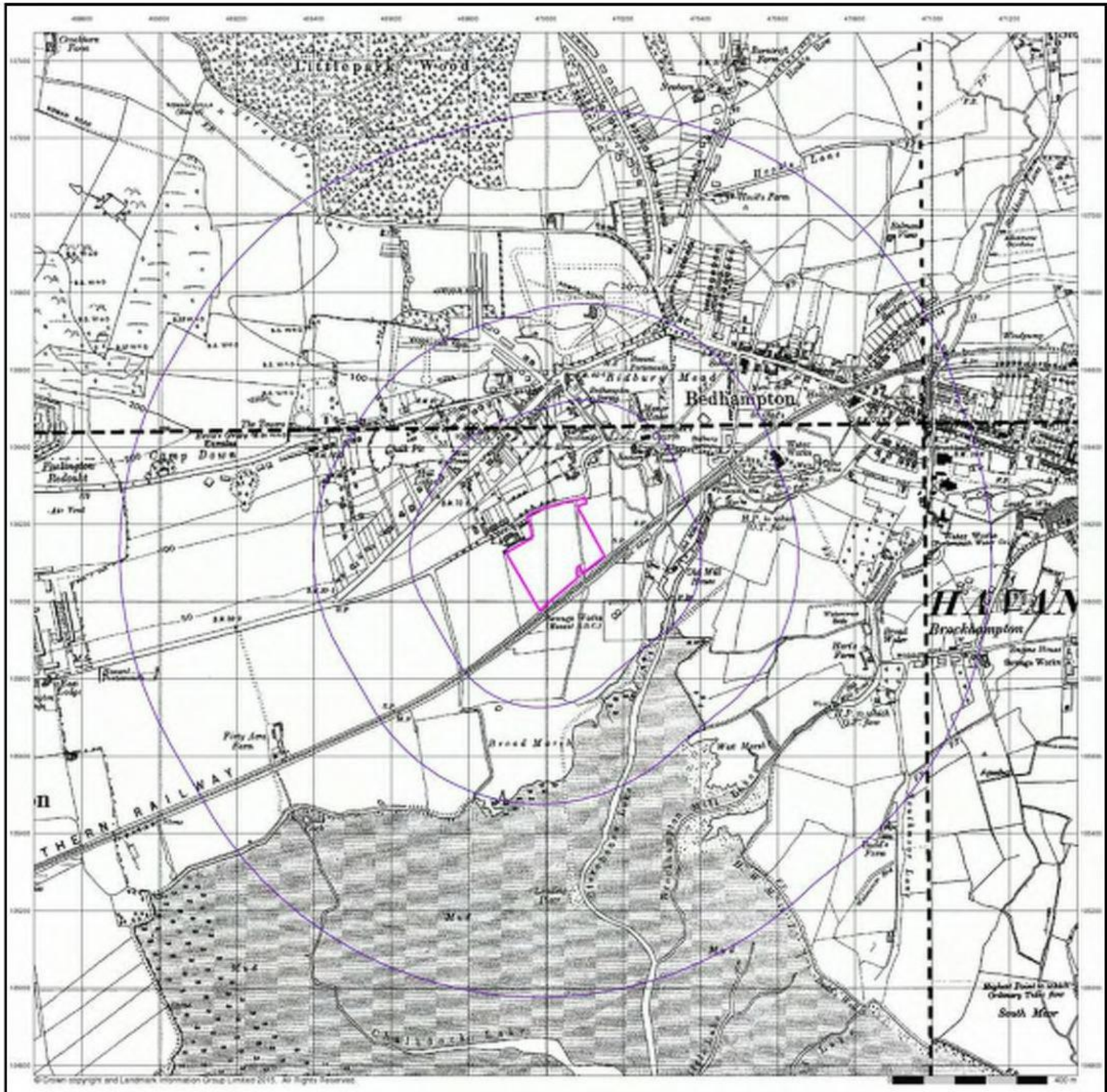
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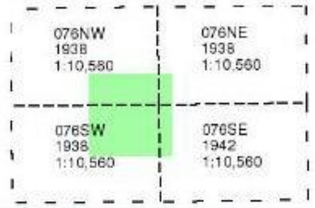
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Published 1938 - 1942

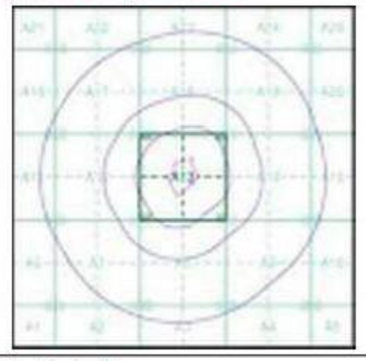
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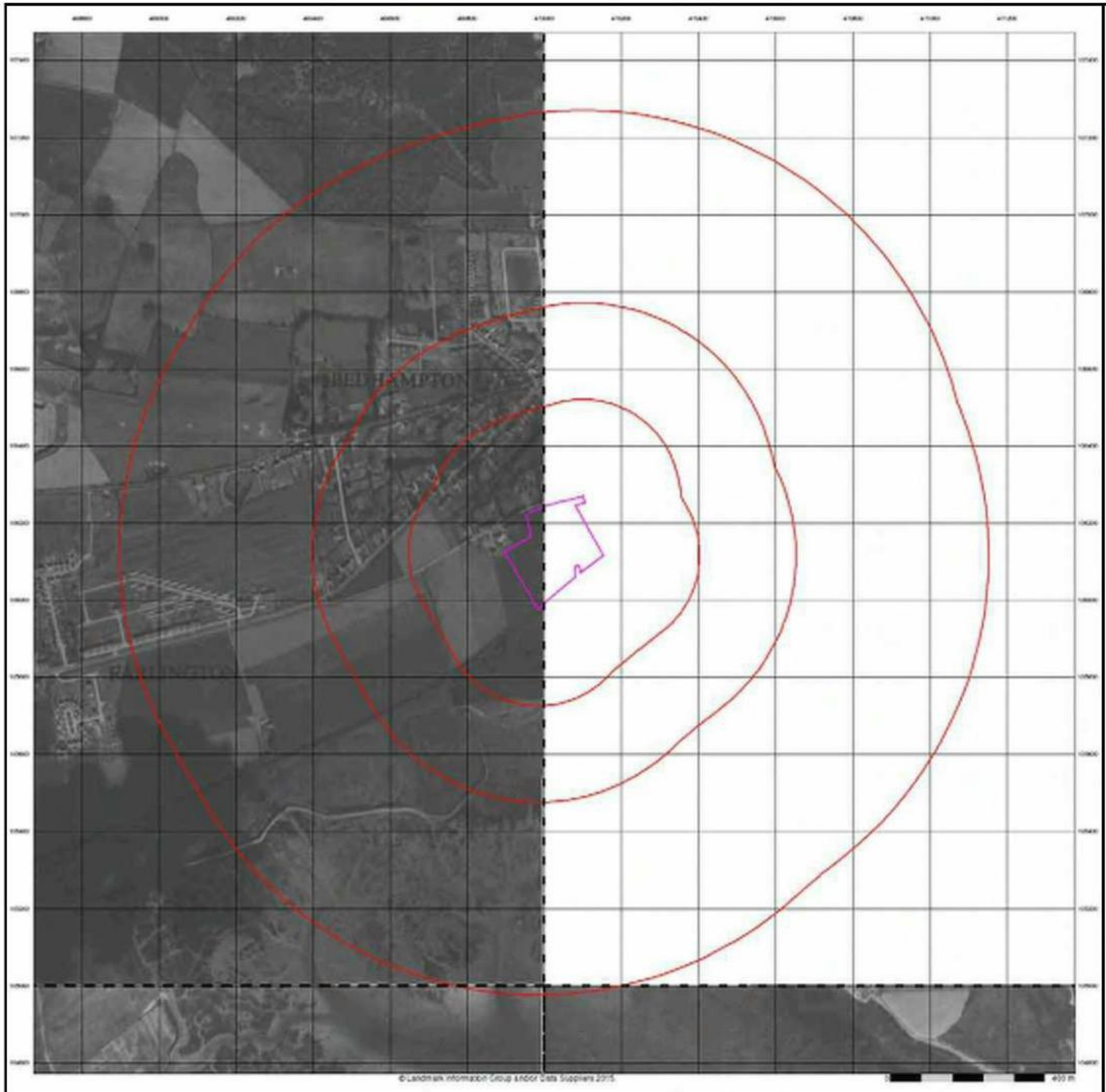
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Geo-Environmental

Historical Aerial Photography

Published 1949 - 1950

Source map scale - 1:10,560

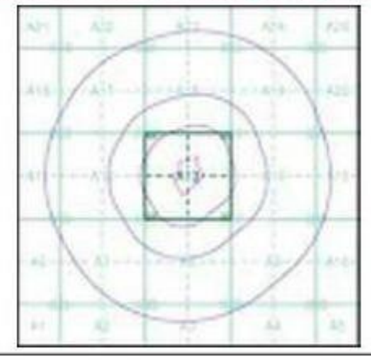
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

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



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Geo-Environmental

Ordnance Survey Plan

Published 1962 - 1963

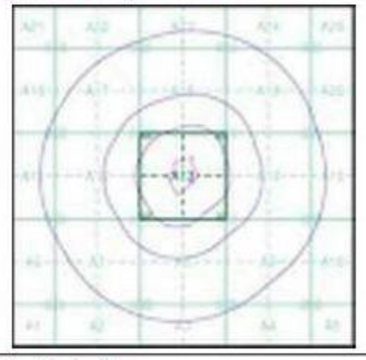
Source map scale - 1:10,000

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)

SU60NE 1963 1:10,560	SU70NW 1963 1:10,560
SU60SE 1963 1:10,560	SU70SW 1962 1:10,560

Historical Map - Slice A



Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

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Geo-Environmental

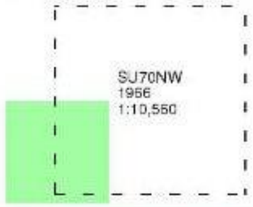
Ordnance Survey Plan

Published 1966

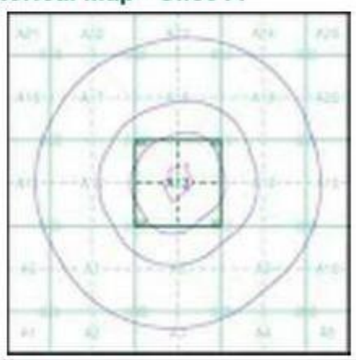
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

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Geo-Environmental

Ordnance Survey Plan

Published 1972 - 1975

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.

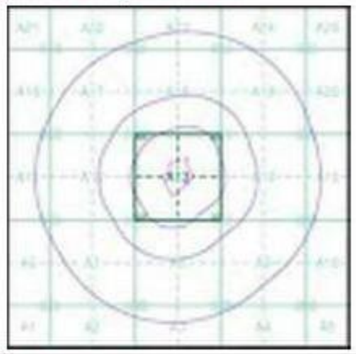
Map Name(s) and Date(s)

SU70NW
1975
1:10,000

SU60SE
1973
1:10,000

SU70SW
1972
1:10,000

Historical Map - Slice A



Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
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Search Buffer (m):	1000

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Geo-Environmental

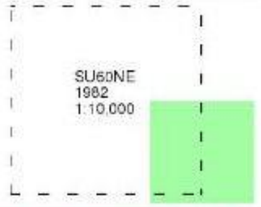
Ordnance Survey Plan

Published 1982

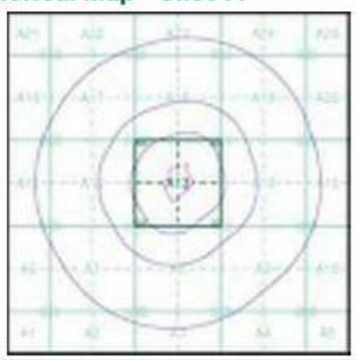
Source map scale - 1:10,000

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)



Historical Map - Slice A



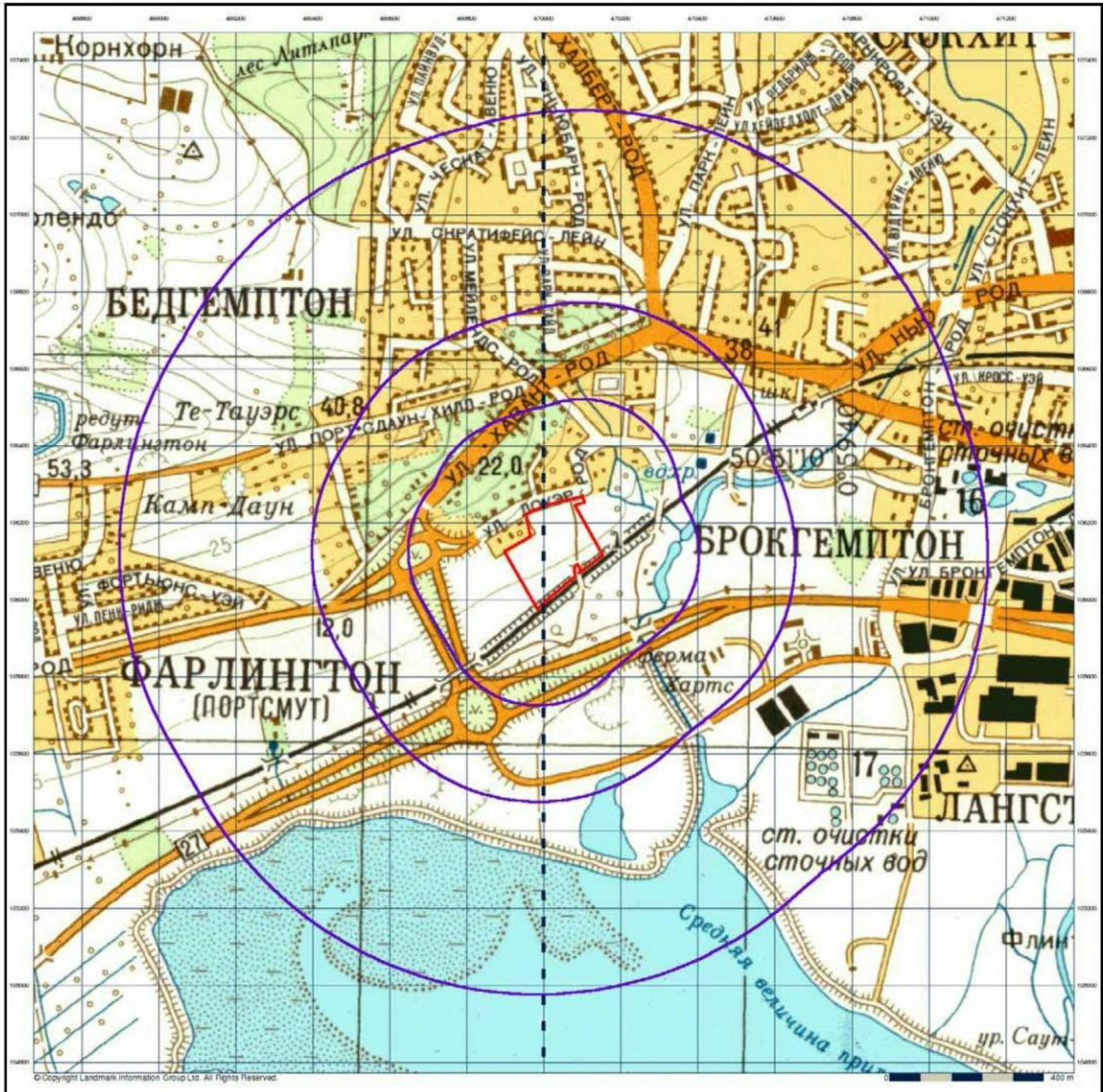
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

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



Geo-Environmental

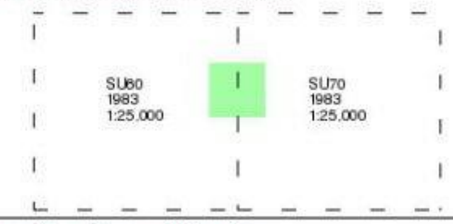
Havant

Published 1983

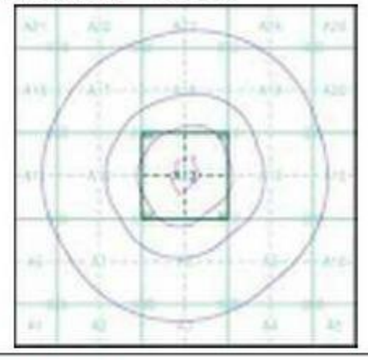
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

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Geo-Environmental

Portsmouth

Published 1988

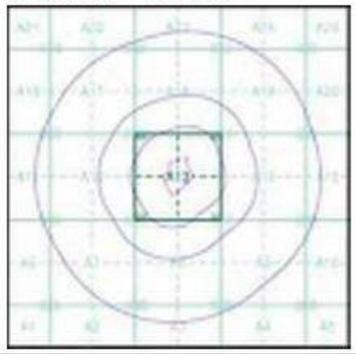
Source map scale - 1:10,000

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)

SU60NE 1988 1:10,000	SU70NW 1988 1:10,000
SU60SE 1988 1:10,000	SU70SW 1988 1:10,000

Russian Map - Slice A



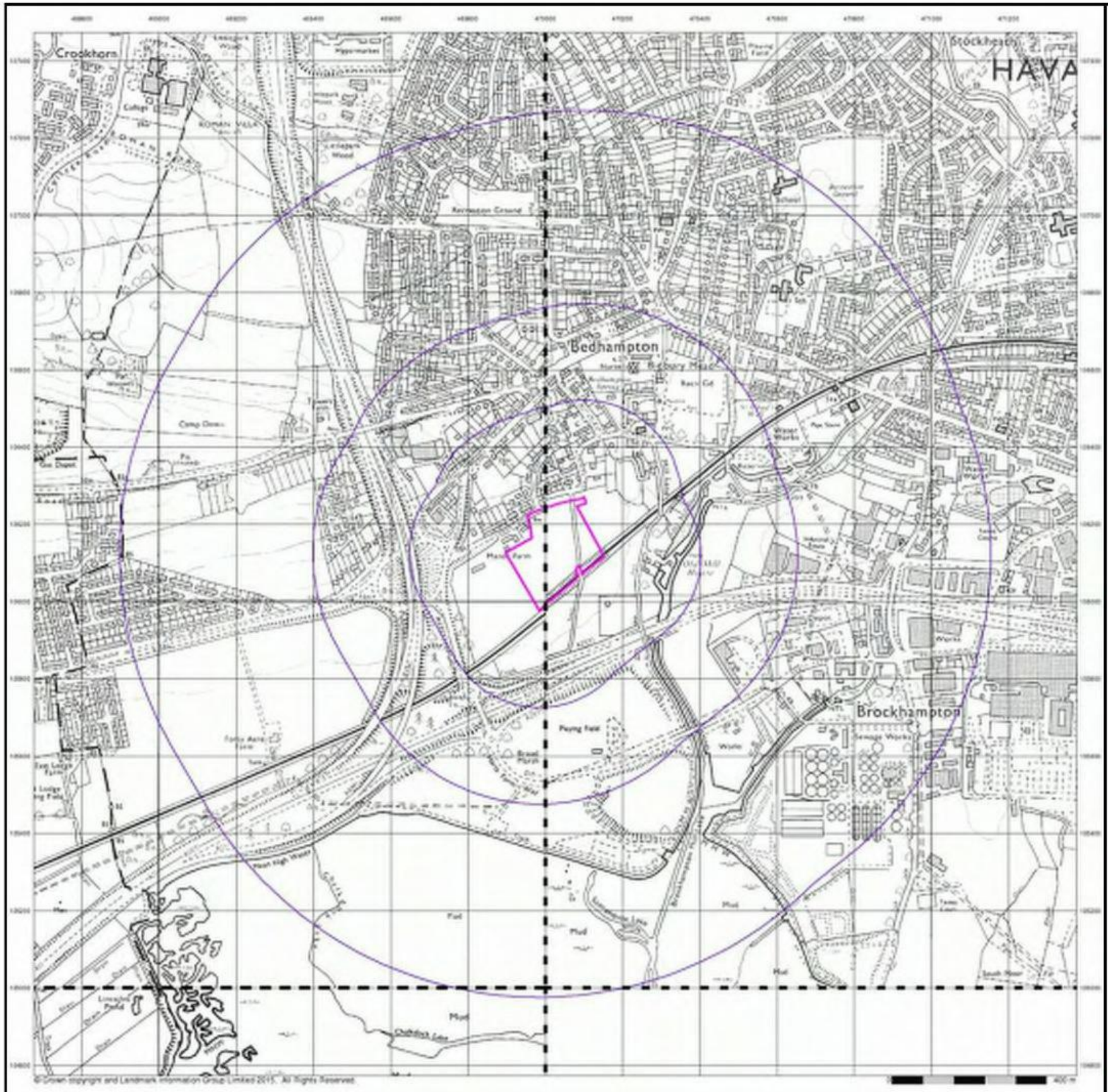
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

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Geo-Environmental

Ordnance Survey Plan

Published 1990 - 1992

Source map scale - 1:10,000

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

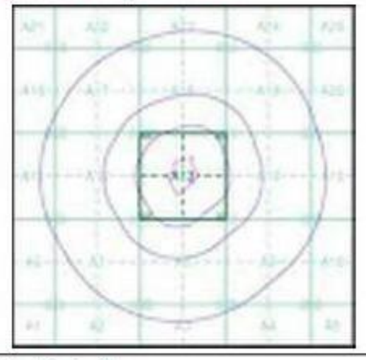
Map Name(s) and Date(s)

SU60NE 1991 1:10,000

SU70NW 1992 1:10,000

SU60SE 1990 1:10,000

Historical Map - Slice A



N

Order Details

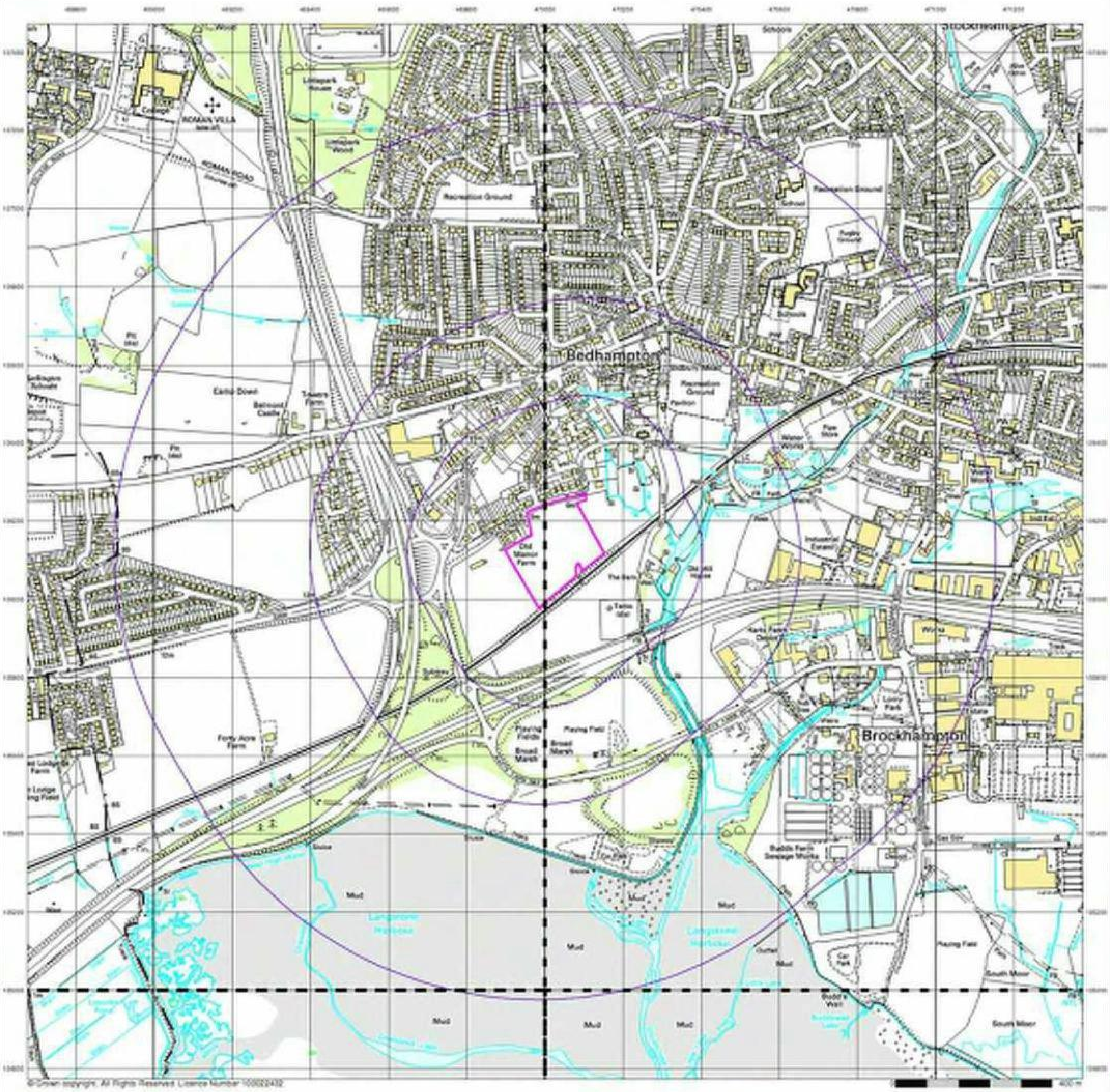
Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

Landmark INFORMATION GROUP

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Geo-Environmental

10k Raster Mapping

Published 2000

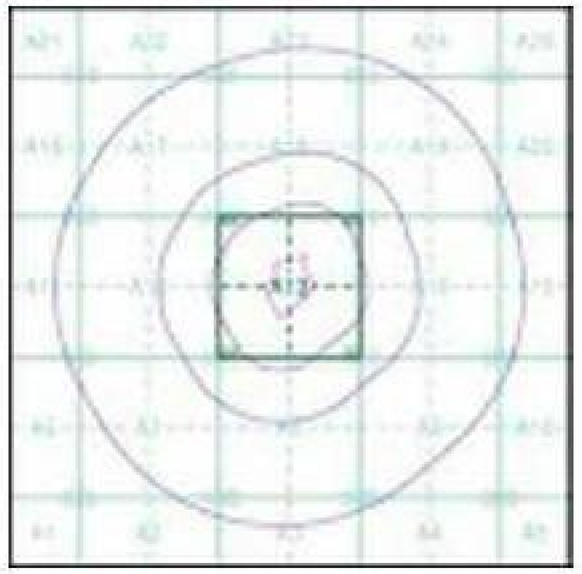
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU60NE 2000 1:10,000	SU70NW 2000 1:10,000
SU60SE 2000 1:10,000	SU70SW 2000 1:10,000

Historical Map - Slice A



N

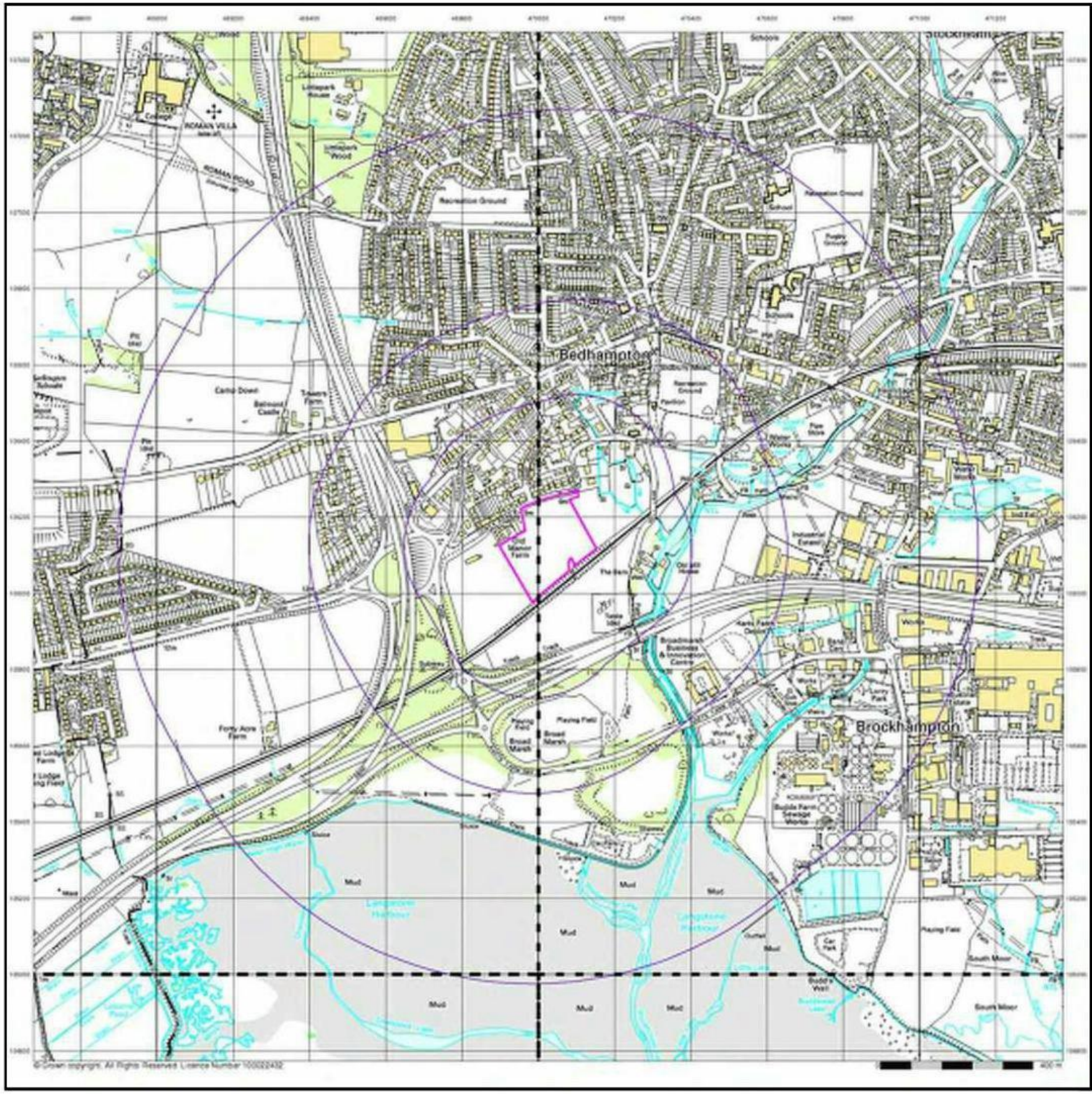
Order Details

Order Number: 138907560_1_1
Customer Ref: GE16507
National Grid Reference: 470030, 106130
Slice: A
Site Area (Ha): 3.95
Search Buffer (m): 1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road,
HAVANT, PO9 3NB

Tel: 0844 844 9952
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Geo-Environmental

10k Raster Mapping

Published 2006

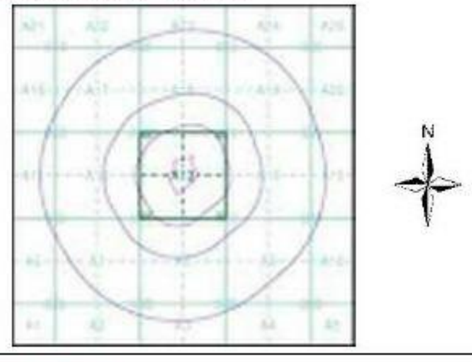
Source map scale - 1:10,000

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)

SU50NE 2006 1:10,000	SU70NW 2005 1:10,000
SU50SE 2006 1:10,000	SU70SW 2006 1:10,000

Historical Map - Slice A



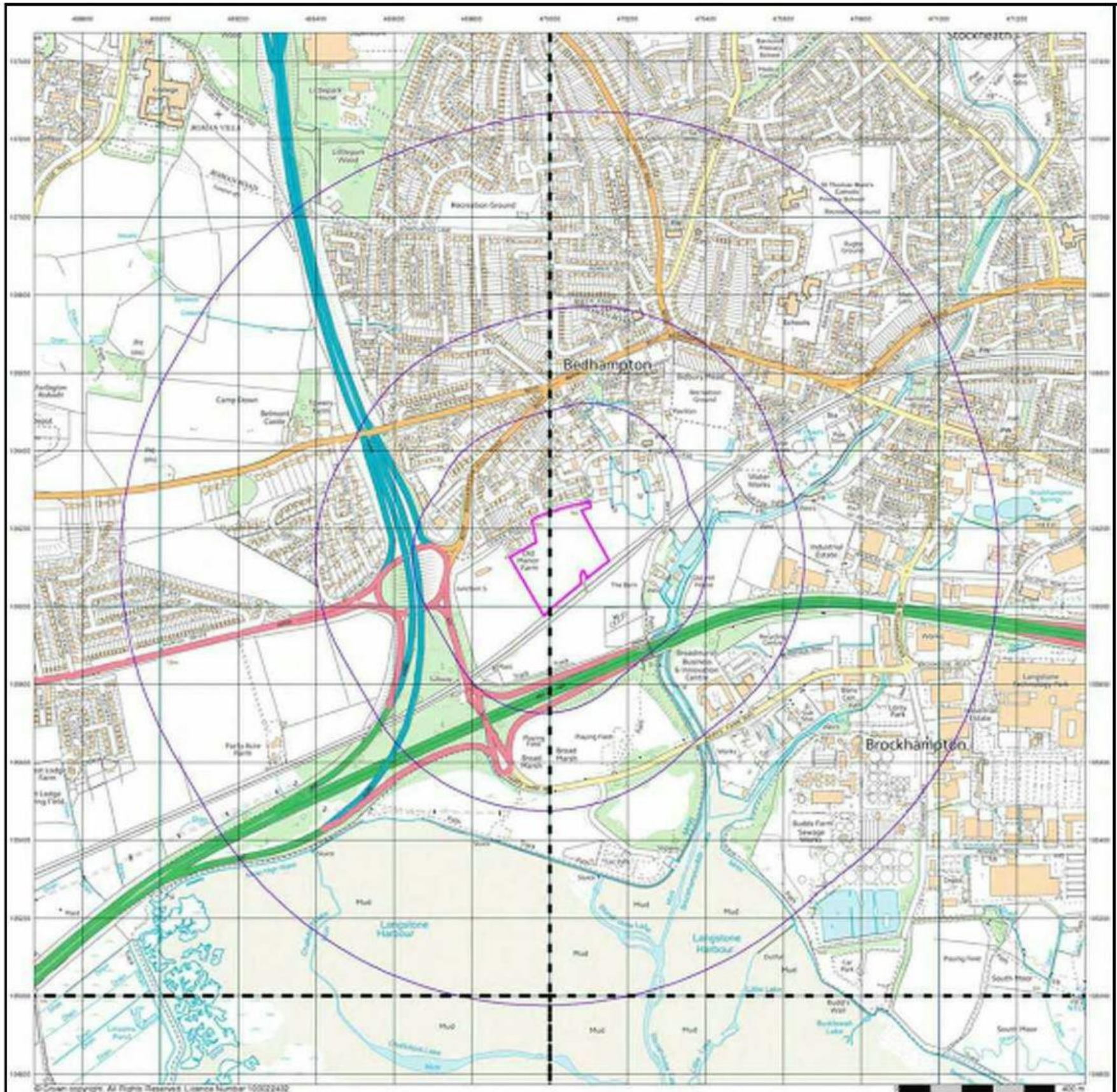
Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
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Site Area (Ha):	3.95
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Site Details

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Geo-Environmental

VectorMap Local

Published 2017

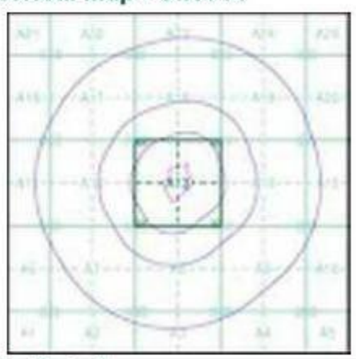
Source map scale - 1:10,000

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)

SU60NE 2017 Variable	SU70NW 2017 Variable
SU60SE 2017 Variable	SU70SW 2017 Variable

Historical Map - Slice A

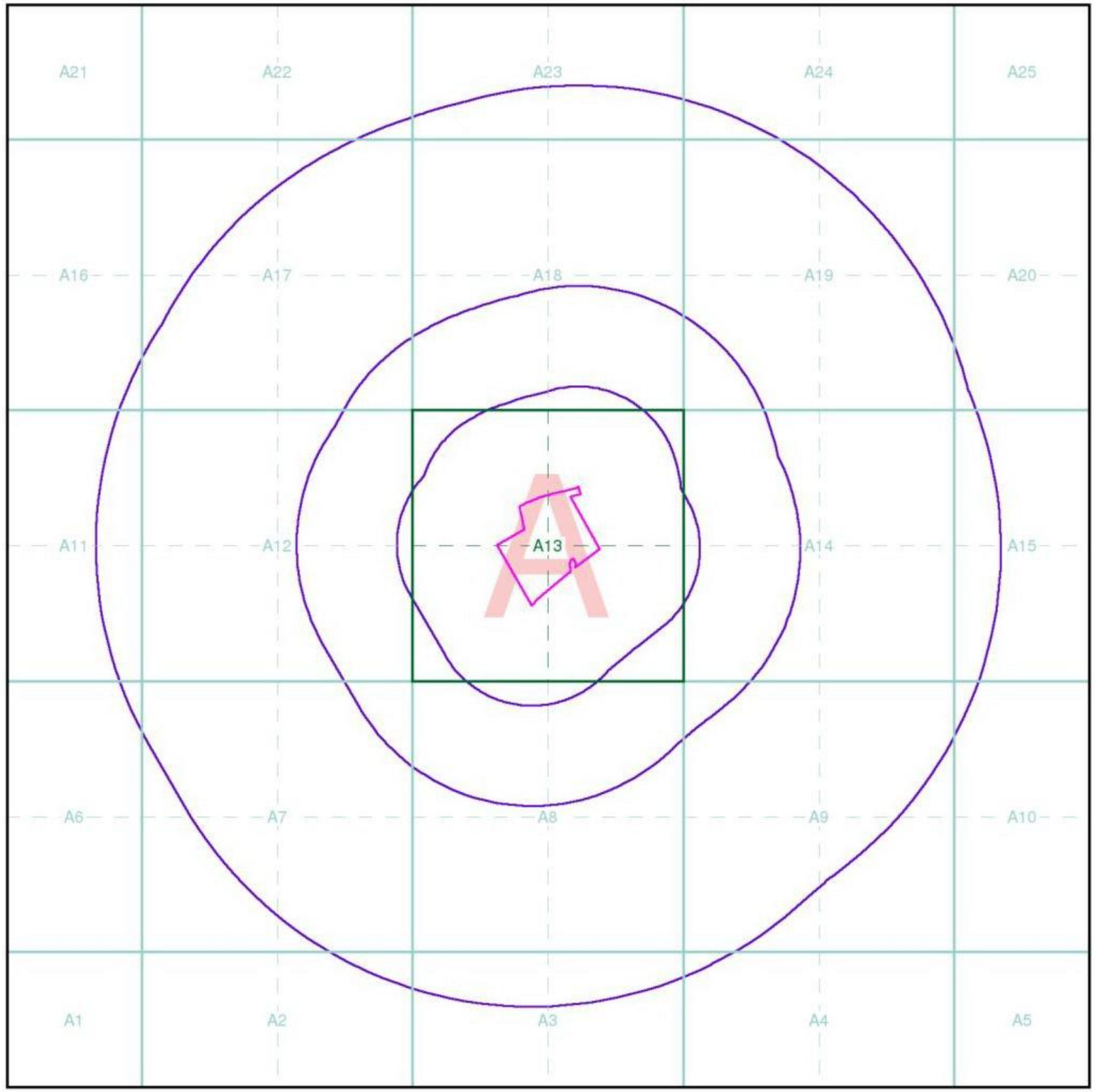


Order Details

Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Slice:	A
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details

Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB



Geo-Environmental
Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Envirocheck reports are compiled from 136 different sources of data.

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

Order Details
Order Number:	138907560_1_1
Customer Ref:	GE16507
National Grid Reference:	470030, 106130
Site Area (Ha):	3.95
Search Buffer (m):	1000

Site Details
Development Site at Old Manor Farm, 13, Lower Road, HAVANT, PO9 3NB

Full Terms and Conditions can be found on the following link:
http://www.landmarkinfo.co.uk/Terms/Show/515

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Web: www.envirocheck.co.uk

Geo-Environmental

APPENDIX B

Exploratory Hole Logs & In-situ Test Results

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No
TP1
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470067.68 - 106247.38 Level:
Date	18/09/2017		
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Scale 1:25
Client:	Bargate Homes		Logged GR

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
				0.30			Firm to stiff brown silty CLAY
	0.50	B					
	0.50	ES					
				0.70			Stiff orangish brown slightly fine sandy silty CLAY with rare to occasional medium flint gravel
	1.00	D					
	1.50	D		1.50			Structureless CHALK composed of off-white to light brown silty matrix with very weak to moderately weak low to medium density gravel to cobble sized clasts with occasional medium gravel to cobble sized rounded flint and occasional pockets of brown silty clay. Present from 1.5m bgl at western end of pit and from 2.6m bgl at eastern end of pit. CIRIA Grade Dm to Dc
	2.00	D					
	2.50	D					
	3.00	D		3.00			End of Pit at 3.00m

1
2
3
4
5

Remarks

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No: TP2
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470069.80 - 106202.21 Level:
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Date 18/09/2017 Scale 1:25
Client:	Bargate Homes		Logged VB

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
	0.20	ES		0.24			Stiff orangish brown fine to medium sandy silty CLAY
	0.50	D					
	0.50	ES					
	0.50	PP	PP=2kg/cm2				
	1.00	D					
	1.00	PP	PP=2kg/cm2				
	1.50	D					
	1.50	PP	PP=3.3kg/cm2				
	2.00	D		1.95			Structureless CHALK composed of off-white to grey silty matrix with weak to moderately weak low to medium density gravel to cobble sized clasts with occasional medium gravel to cobble sized rounded flint and occasional pockets of brown silty clay. CIRIA Grade Dm to Dc
	2.50	D					
	3.00	D		3.00			End of Pit at 3.00m

Remarks: Soakage tests at two depths in pit

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No
TP3
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470076.29 - 106141.27 Level:
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Date 18/09/2017 Scale 1:25
Client:	Bargate Homes		Logged GR

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
				0.30			
	0.50	D					Firm to stiff reddish brown slightly sandy silty CLAY with rare fine to medium rounded flint gravel and some fine chalk gravel from 2.0m bgl
	0.50	ES					
	1.00	D					
	1.50	D					
	2.00	D					
				2.10			
							Firm to stiff brown silty CLAY with much to abundant fine to medium gravel of chalk and flint
	2.50	D					
	3.00	D		3.00			End of Pit at 3.00m

1
2
3
4
5

Remarks

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
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Trial Pit Log

TrialPit No
TP4
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470057.10 - 106079.62 Level:
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Date 18/09/2017 Scale 1:25 Logged VB
Client:	Bargate Homes		

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
				0.30			
	0.50	B					Firm to stiff reddish brown silty CLAY with rare fine to coarse sub-angular to rounded flint gravel and some fine chalk gravel becoming some to much fine chalk gravel from 1.1m bgl
	0.50	ES					
	1.00	D					
	1.50	D					
				1.70			Stiff brown silty CLAY with much to abundant fine to medium gravel of chalk and flint becoming less gravelly from 2.4m bgl
	2.00	D					
	2.50	D					
				2.60			Stiff brown silty CLAY with rare medium to coarse flint gravel. Structureless white to light brown chalk silt to gravel size from 2.8m bgl in the south-western corner of the pit.
	3.00	D		3.00			End of Pit at 3.00m

Remarks

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No: TP5
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No.: GE16507	Co-ords: 469993.17 - 106030.54 Level:
Date: 18/09/2017			
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Scale: 1:25
Client:	Bargate Homes		Logged: VB

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
	0.20	ES		0.30			
							Firm reddish brown CLAY
	0.50	D					
	0.50	ES		0.60			
	0.50	PP	PP=3.4kg/cm2				Stiff reddish brown sandy CLAY with occasional rounded flint gravel and chalk fragments
	1.00	D					
	1.00	PP	PP=4kg/cm2				
				1.30			Structureless CHALK composed of off-white to grey silty matrix with very weak low density gravel sized clasts with occasional medium gravel sized rounded flint. CIRIA Grade Dm to Dc
	1.50	D					
	2.00	D					
	2.50	D					
	3.00	D		3.00			End of Pit at 3.00m

Remarks: Soakage tests at two depths in pit

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No: TP6
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 469951.10 - 106097.40 Level:
Date	18/09/2017		
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Scale 1:25
Client:	Bargate Homes		Logged VB

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
				0.28			Firm to stiff reddish brown CLAY
	0.50	D					
	0.50	ES					
	0.50	PP	PP=14kg/cm2				
	1.00	D					
	1.00	PP	PP=3.2kg/cm2				
	1.50	D		1.50			Stiff reddish brown sandy CLAY with occasional rounded flint gravel and chalk fragments
	1.50	PP	PP=3.5kg/cm2				
	2.00	D		2.00			Stiff reddish brown sandy CLAY with occasional rounded flint gravel and chalk fragments and rare cobble sized flint
	2.00	PP	PP=36kg/cm2				
	2.50	D					
				2.60			Structureless CHALK composed of off-white to grey silty matrix with very weak low density gravel sized clasts with occasional medium gravel sized rounded flint. CIRIA Grade Dm to Dc
	3.00	D		3.00			End of Pit at 3.00m

1 2 3 4 5

Remarks: Soakage test at two depths in pit

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
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Trial Pit Log

TrialPit No: TP7
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470015.42 - 106145.35 Level:
Date	18/09/2017		
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.00	Scale 1:25
Client:	Bargate Homes		Logged VB

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
	0.28	ES		0.30			Firm to stiff reddish brown CLAY
	0.50 0.50	B PP	PP=2kg/cm2				
	1.00 1.00	D PP	PP=1.4kg/cm2				
				1.30			Stiff reddish brown sandy CLAY with occasional rounded flint gravel and chalk fragments
	1.50 1.50	D PP	PP=2.3kg/cm2				
	2.00 2.00	D PP	PP=1.1kg/cm2				
				2.40			Structureless CHALK composed of off-white to grey silty matrix with very weak low density gravel to cobble sized clasts with occasional medium gravel to cobble sized rounded flint and occasional pockets of brown silty clay. CIRIA Grade Dm to Dc
	2.50	D					
	3.00	D		3.00			End of Pit at 3.00m

Remarks: Soakage test at two depths in pit

Stability

AGS

Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
Geo-Environmental www.gesl.net

Trial Pit Log

TrialPit No: TP8
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470006.93 - 106215.30 Level:
Location:	Manor Farm, Lower Road, Bedhampton	Dimensions (m): Depth 3.20	Date 18/09/2017 Scale 1:25
Client:	Bargate Homes		Logged VB

Water Strike	Samples & In Situ Testing: Depth	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	0.10	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
				0.30			Firm to stiff orangish brown sandy silty CLAY becoming very sandy from 2m bgl
	0.50	B					
	0.50	ES					
	0.50	PP	PP=3kg/cm2				
	1.00	D					
	1.00	PP	PP=1.5kg/cm2				
	1.50	D					
	1.50	PP	PP=2kg/cm2				
	2.00	D					
				2.20			Orangish brown clayey silty fine and medium SAND
	2.50	D					
	3.00	D					
				3.20			End of Pit at 3.20m

Warm Colors: Water Strike | Water on Ledge

Remarks

Stability

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS1** Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 469908E - 106121N	Hole Type WLS
Location:	Manor Farm, Lower Road, Bedhampton		Level:	Scale 1:25
Client:	Bargate Homes		Dates: 18/09/2017	Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.30	ES		0.30			Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
		0.60	ES					Medium to high strength (firm to stiff) brown silty CLAY with rare coarse flint gravel.
		1.00	D					
		1.50	D					
		2.20	D		1.80			CHALK recovered as structureless white chalk silt matrix with some gravel sized very weak low density clasts and rare flint of medium to coarse gravel size. Matrix dominated. CIRIA Grade Dm possibly becoming Dc with depth.
		2.80	D					
		3.50	D					
		4.50	D					
					5.00			End of Borehole at 5.00m

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

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS2** Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 469970E - 106165N	Hole Type WLS
Location:	Manor Farm, Lower Road, Bedhampton		Level:	Scale 1:25
Client:	Bargate Homes		Dates: 18/09/2017	Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.30	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
					0.30			Medium to high strength (firm to stiff) brown silty CLAY with rare coarse flint gravel.
		0.50	ES					
		0.70	D					
					1.50			CHALK recovered as structureless white chalk silt matrix with some gravel sized very weak low density clasts and rare flint of medium to coarse gravel size. Matrix dominated. CIRIA Grade Dm possibly becoming Dc with depth
		1.60	D					
		2.50	D					
		3.50	D					
		4.50	D					
					5.00			End of Borehole at 5.00m

1 2 3 4 5

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

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS3** Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 469959E - 106215N	Hole Type WLS
Location:	Manor Farm, Lower Road, Bedhampton		Level:	Scale 1:25
Client:	Bargate Homes		Dates: 18/09/2017	Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.30	ES		0.30			Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
		0.50	ES					Medium to high strength (firm to stiff) brown silty CLAY with rare coarse flint gravel.
		0.80	D					
		1.10	D					
		1.60	D		1.90			CHALK recovered as structureless white chalk silt matrix with some gravel sized very weak low density clasts and rare flint of medium to coarse gravel size. Matrix dominated. CIRIA Grade Dm possibly becoming Dc with depth
		2.50	D					
		3.50	D					
		4.50	D					
(W)					5.00			End of Borehole at 5.00m

1 2 3 4 5

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

AGS

Geo-Environmental
Unit 7, Danworth Farm
Hurstpierpoint
BN6 9GL
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Borehole Log

Borehole No. **WS4**
Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470080E - 106180N	Hole Type WLS
Location:	Manor Farm, Lower Road, Bedhampton		Level:	Scale 1:25
Client:	Bargate Homes		Dates: 18/09/2017	Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.10	ES					Grey and white silty sand of chalk and brown clay with rare to occasional medium to coarse flint gravel and red brick
		0.40	ES					
		1.00	ES		0.90			Medium to high strength (firm to stiff) brown silty CLAY with rare coarse flint gravel.
		1.50	D					
		2.00	D					
		2.80	D		2.40			CHALK recovered as structureless white chalk silt matrix with some gravel sized very weak low density clasts and rare flint of medium to coarse gravel size. Matrix dominated. CIRIA Grade Dm possibly becoming Dc with depth
		3.50	D					
		4.50	D					
					5.00			End of Borehole at 5.00m

1 2 3 4 5

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

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS5** Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 469997E - 106086N	Hole Type WLS
Location:	Manor Farm, Lower Road, Bedhampton		Level:	Scale 1:25
Client:	Bargate Homes		Dates: 18/09/2017	Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.30	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
					0.40			
		0.50	ES					Medium to high strength (firm to stiff) brown silty CLAY with rare coarse flint gravel.
		0.90	D					
		1.50	D					
		2.00	D					
					2.20			CHALK recovered as structureless white chalk silt matrix with some gravel sized very weak low density clasts and rare flint of medium to coarse gravel size. Matrix dominated. CIRIA Grade Dm possibly becoming Dc with depth
		2.50	D					
		3.50	D					
		4.50	D					
					5.00			End of Borehole at 5.00m

1 2 3 4 5

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

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS6** Sheet 1 of 1

Project Name:	Manor Farm, Bedhampton	Project No. GE16507	Co-ords: 470039E - 106043N	Hole Type WLS
Location:	Manor Farm, Lower Road, Bedhampton		Level:	Scale 1:25
Client:	Bargate Homes		Dates: 18/09/2017	Logged By GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.00 - 0.30	ES					Dark brown silty gravelly CLAY with rootlets. Gravel is medium to coarse sub-angular flint.
					0.50			
		0.60	ES					Medium to high strength (firm to stiff) brown silty CLAY with rare coarse flint gravel.
		0.80	D					
		1.30	D					
		1.80	D					
		2.30	D					
		2.80	D					
		3.20	D					
					3.30			CHALK recovered as structureless white chalk silt matrix with some gravel sized very weak low density clasts and rare flint of medium to coarse gravel size. Matrix dominated. CIRIA Grade Dm possibly becoming Dc with depth
		3.80	D					
		4.50	D					
					5.00			End of Borehole at 5.00m

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

AGS

Geo-Environmental	**Soakaway Test Results (after BRE Digest 365)**	**Geo-EnvironmentalServices Limited** Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP2 (shallow)**
Pit depth (m)	0.56
Pit width (m)	0.60
Pit length (m)	2.00
Depth to standing water (m)	

Test 1

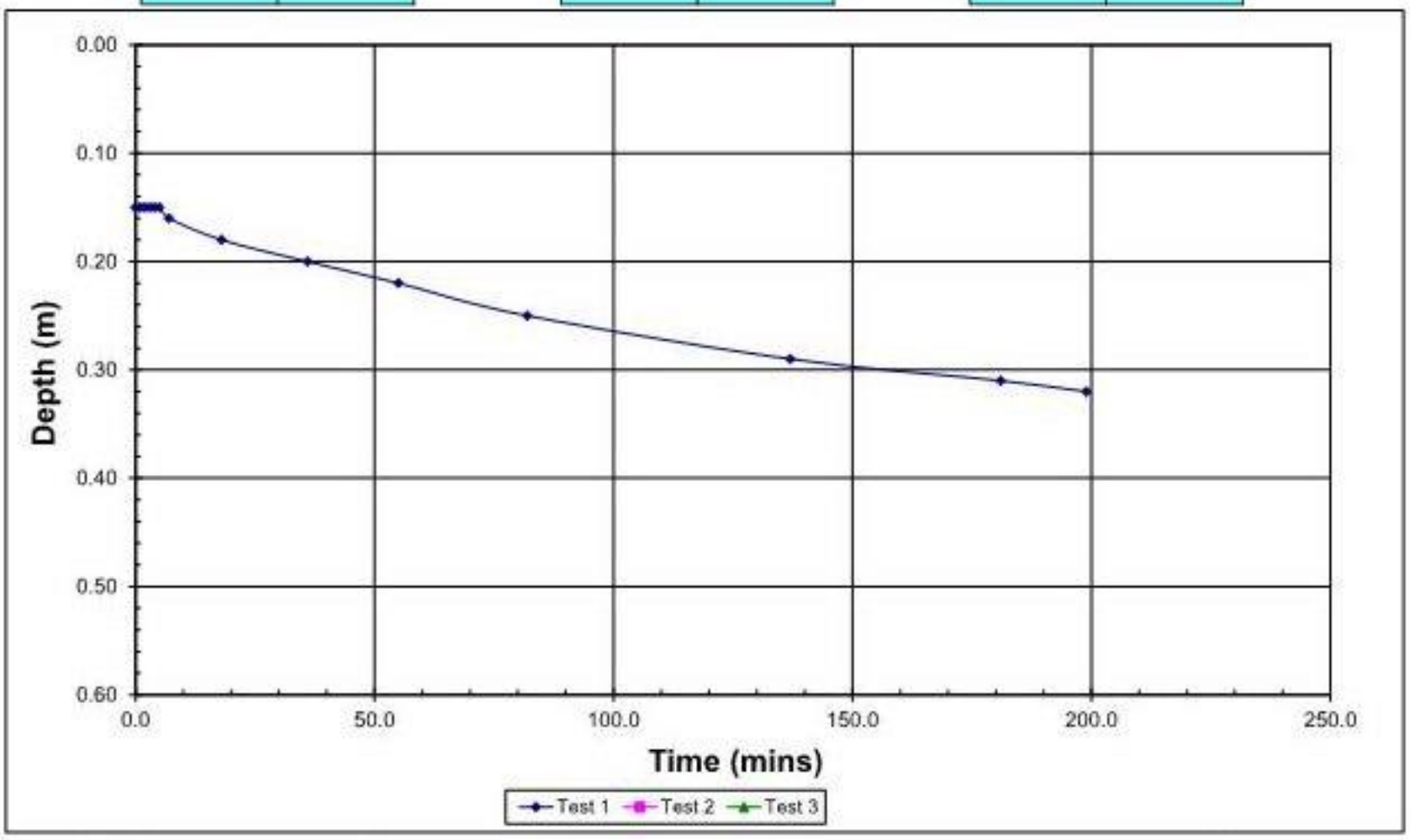
Time (min)	Depth (m)
0.0	0.15
1.0	0.15
2.0	0.15
3.0	0.15
4.0	0.15
5.0	0.15
7.0	0.16
18.0	0.18
36.0	0.20
55.0	0.22
82.0	0.25
137.0	0.29
181.0	0.31
199.0	0.32

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Max. depth (m)	0.56	0.56	0.56
Effective depth (m)	0.41	0.56	0.56
75% effective depth (m)	0.25	0.14	0.14
50% effective depth (m)	0.36	0.28	0.28
25% effective depth (m)	0.46	0.42	0.42
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.25	0.34	0.34
ap 50	2.266	2.656	2.656
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Soakaway Test Results (after BRE Digest 365)

Geo-EnvironmentalServices Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP2 (deep)**
Pit depth (m)	3.00
Pit width (m)	0.60
Pit length (m)	1.80
Depth to standing water (m)	

Test 1

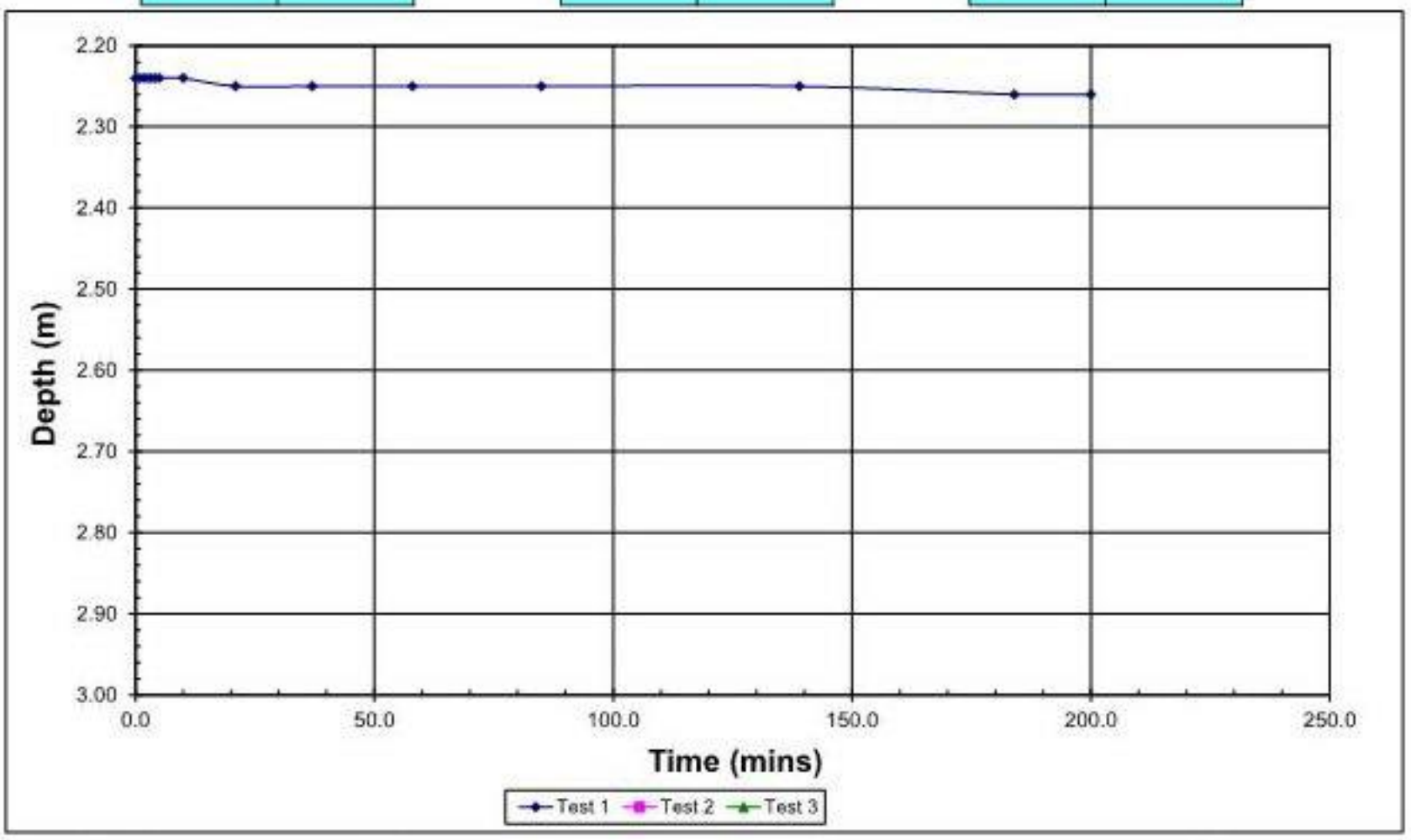
Time (min)	Depth (m)
0.0	2.24
1.0	2.24
2.0	2.24
3.0	2.24
4.0	2.24
5.0	2.24
10.0	2.24
21.0	2.25
37.0	2.25
58.0	2.25
85.0	2.25
139.0	2.25
184.0	2.26
200.0	2.26

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



	Test 1	Test 2	Test 3
Max. depth (m)	3.00	3.00	3.00
Effective depth (m)	0.76	3.00	3.00
75% effective depth (m)	2.43	0.75	0.75
50% effective depth (m)	2.62	1.50	1.50
25% effective depth (m)	2.81	2.25	2.25
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.41	1.62	1.62
ap 50	2.904	8.28	8.28
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Geo-Environmental

Soakaway Test Results (after BRE Digest 365)

Geo-EnvironmentalServices Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP5 (shallow)**
Pit depth (m)	0.50
Pit width (m)	0.60
Pit length (m)	1.90
Depth to standing water (m)	

Test 1

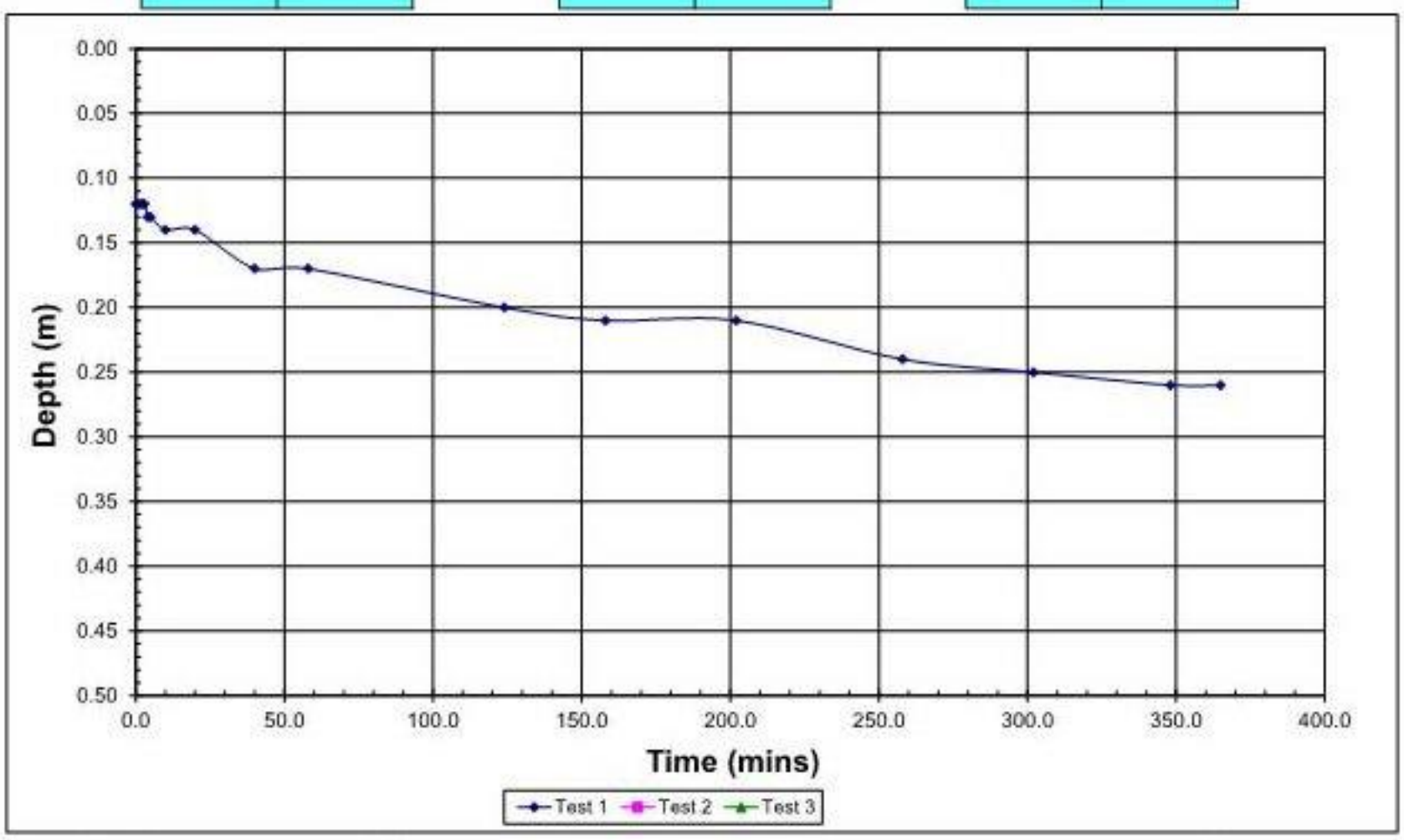
Time (min)	Depth (m)
0.0	0.12
1.0	0.12
2.0	0.12
3.0	0.12
4.0	0.13
5.0	0.13
10.0	0.14
20.0	0.14
40.0	0.17
58.0	0.17
124.0	0.20
158.0	0.21
202.0	0.21
258.0	0.24
302.0	0.25
348.0	0.26
365.0	0.26

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Max. depth (m)	0.50	0.50	0.50
Effective depth (m)	0.38	0.50	0.50
75% effective depth (m)	0.22	0.13	0.13
50% effective depth (m)	0.31	0.25	0.25
25% effective depth (m)	0.41	0.38	0.38
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.22	0.29	0.29
ap 50	2.09	2.39	2.39
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Geo-Environmental

Soakaway Test Results (after BRE Digest 365)

Geo-EnvironmentalServices Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP5 (deep)**
Pit depth (m)	3.00
Pit width (m)	0.60
Pit length (m)	1.80
Depth to standing water (m)	

Test 1

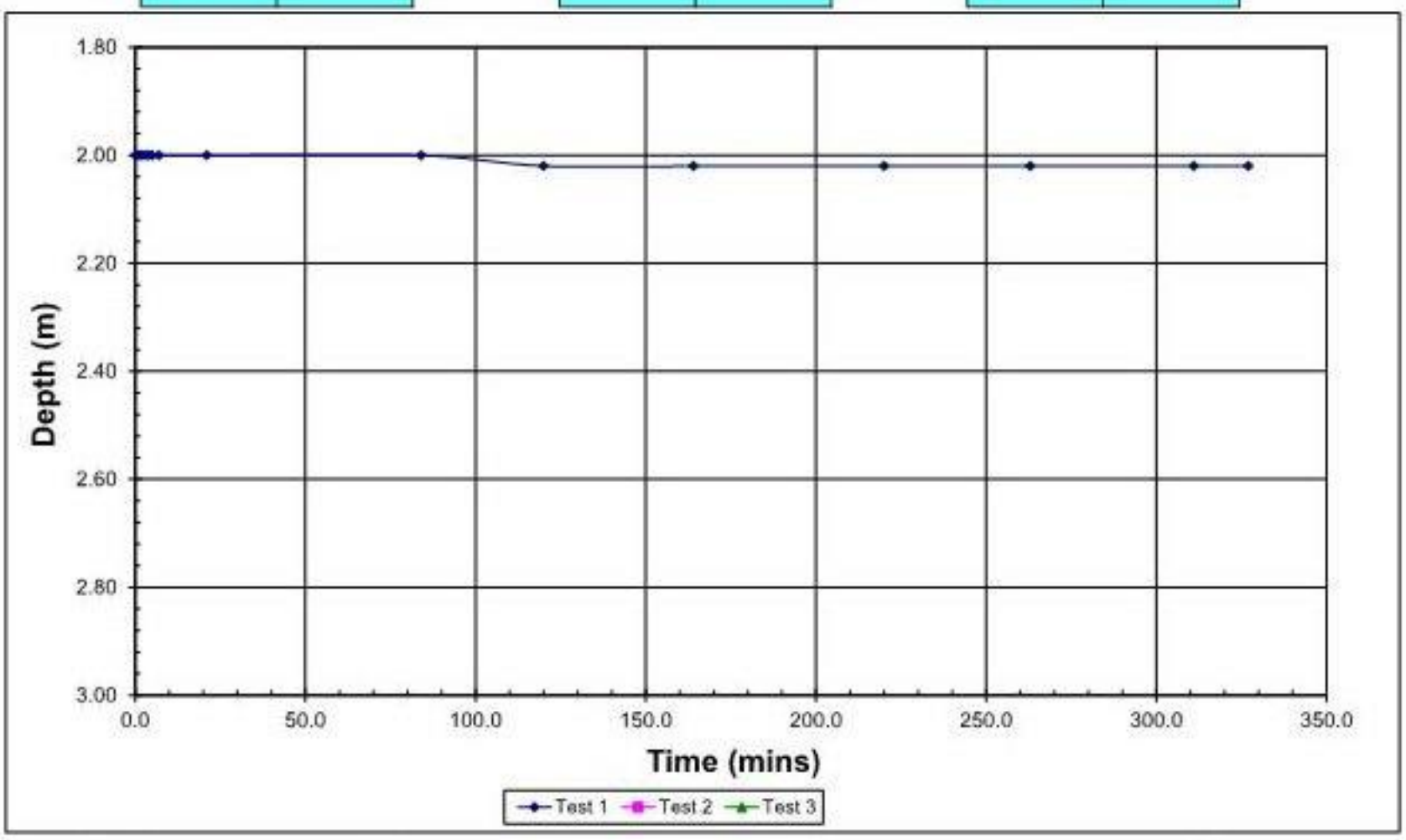
Time (min)	Depth (m)
0.0	2.00
1.0	2.00
2.0	2.00
3.0	2.00
4.0	2.00
5.0	2.00
7.0	2.00
21.0	2.00
84.0	2.00
120.0	2.02
164.0	2.02
220.0	2.02
263.0	2.02
311.0	2.02
327.0	2.02

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



	Test 1	Test 2	Test 3
Max. depth (m)	3.00	3.00	3.00
Effective depth (m)	1.00	3.00	3.00
75% effective depth (m)	2.25	0.75	0.75
50% effective depth (m)	2.50	1.50	1.50
25% effective depth (m)	2.75	2.25	2.25
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.54	1.62	1.62
ap 50	3.48	8.28	8.28
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Geo-Environmental	**Soakaway Test Results (after BRE Digest 365)**	**Geo-EnvironmentalServices Limited** Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP6 (shallow)**
Pit depth (m)	1.50
Pit width (m)	0.60
Pit length (m)	1.90
Depth to standing water (m)	

Test 1

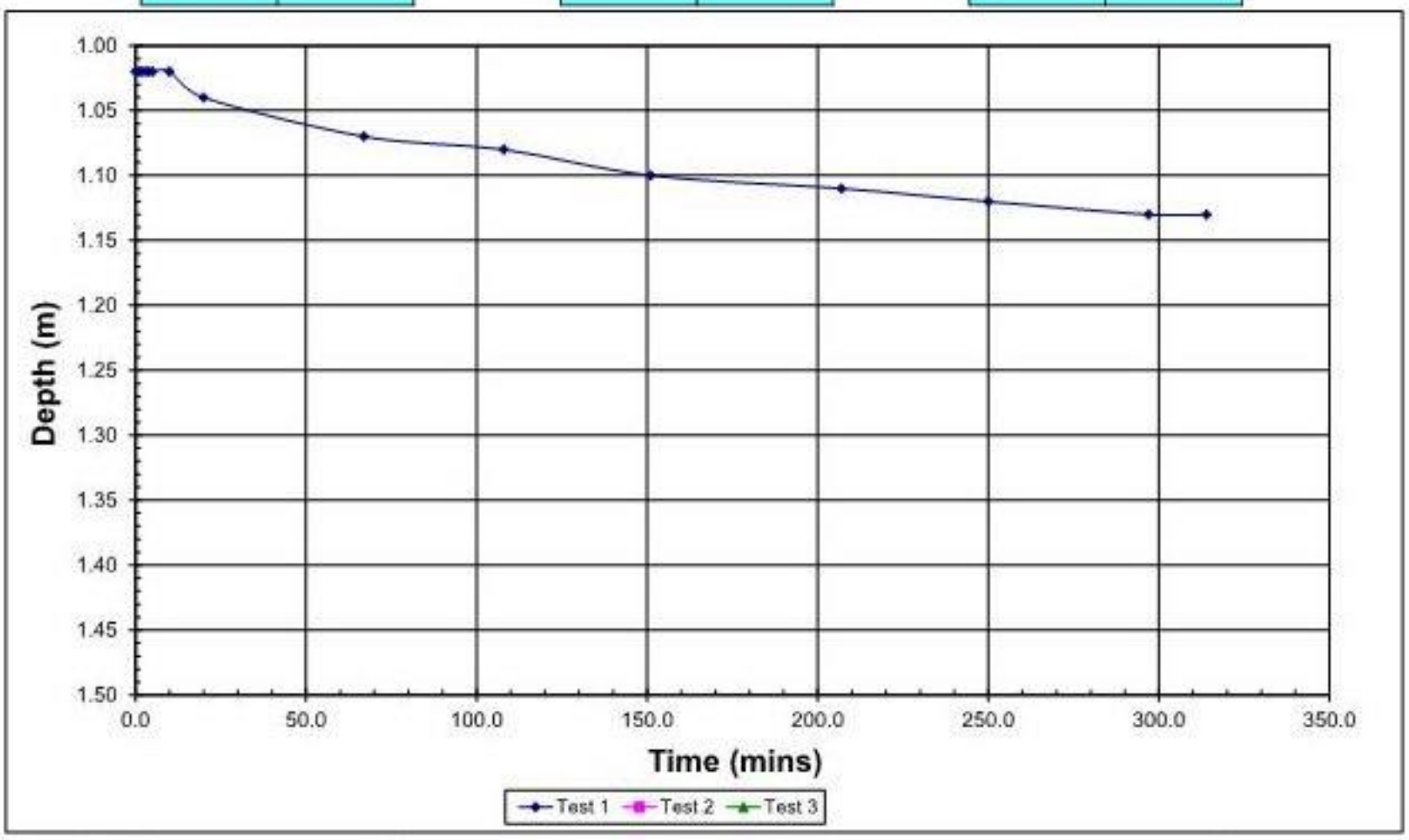
Time (min)	Depth (m)
0.0	1.02
1.0	1.02
2.0	1.02
3.0	1.02
4.0	1.02
5.0	1.02
10.0	1.02
20.0	1.04
67.0	1.07
108.0	1.08
151.0	1.10
207.0	1.11
250.0	1.12
297.0	1.13
314.0	1.13

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Max. depth (m)	1.50	1.50	1.50
Effective depth (m)	0.48	1.50	1.50
75% effective depth (m)	1.14	0.38	0.38
50% effective depth (m)	1.26	0.75	0.75
25% effective depth (m)	1.38	1.13	1.13
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.27	0.86	0.86
ap 50	2.34	4.89	4.89
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Geo-Environmental	**Soakaway Test Results (after BRE Digest 365)**	**Geo-EnvironmentalServices Limited** Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex BN6 9GL +44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP6 (deep)**
Pit depth (m)	3.00
Pit width (m)	0.60
Pit length (m)	2.20
Depth to standing water (m)	

Test 1

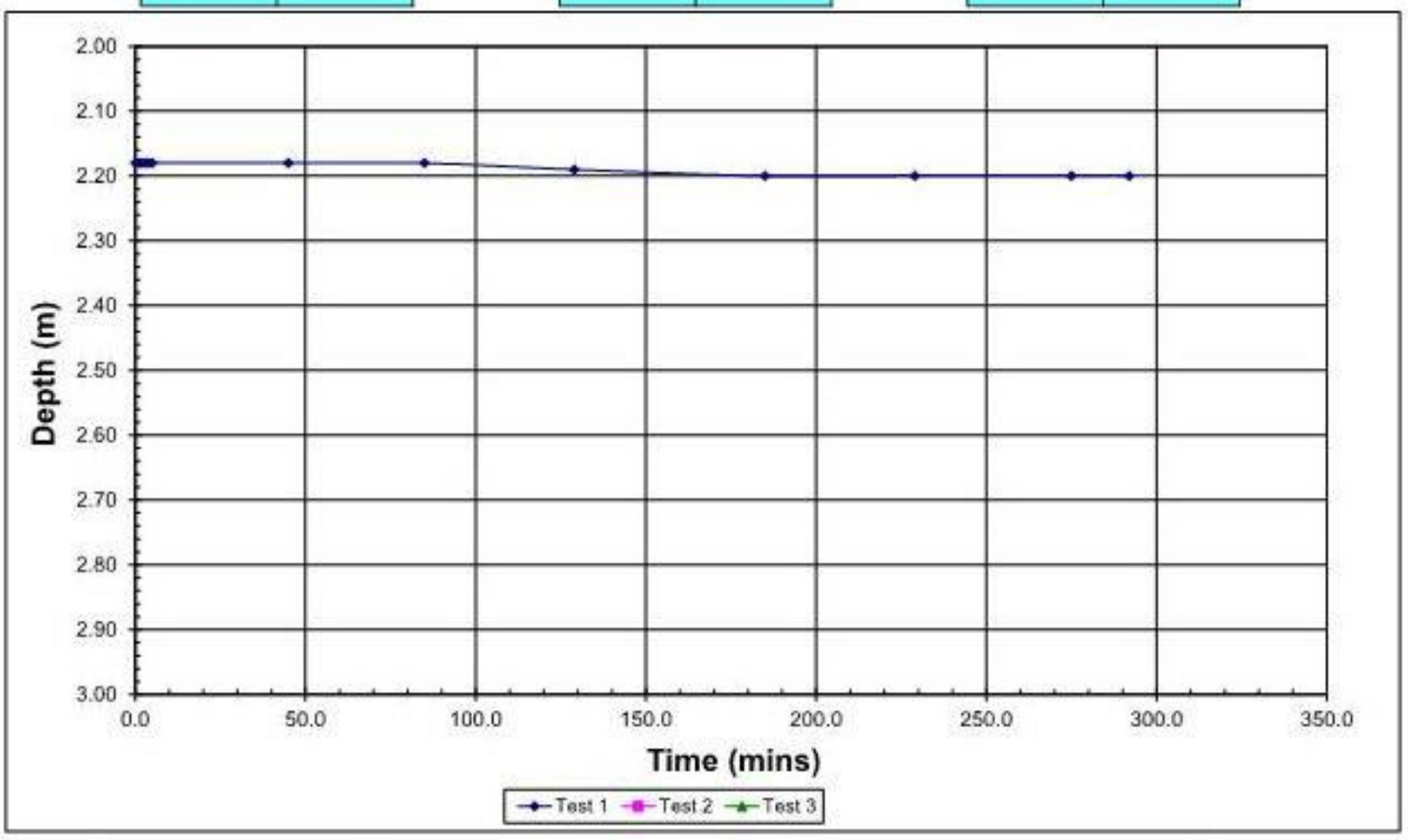
Time (min)	Depth (m)
0.0	2.18
1.0	2.18
2.0	2.18
3.0	2.18
4.0	2.18
5.0	2.18
45.0	2.18
85.0	2.18
129.0	2.19
185.0	2.20
229.0	2.20
275.0	2.20
292.0	2.20

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Max. depth (m)	3.00	3.00	3.00
Effective depth (m)	0.82	3.00	3.00
75% effective depth (m)	2.39	0.75	0.75
50% effective depth (m)	2.59	1.50	1.50
25% effective depth (m)	2.80	2.25	2.25
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.54	1.98	1.98
ap 50	3.616	9.72	9.72
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Geo-Environmental

Soakaway Test Results (after BRE Digest 365)

Geo-EnvironmentalServices Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP7 (shallow)**
Pit depth (m)	1.06
Pit width (m)	0.60
Pit length (m)	2.00
Depth to standing water (m)	

Test 1

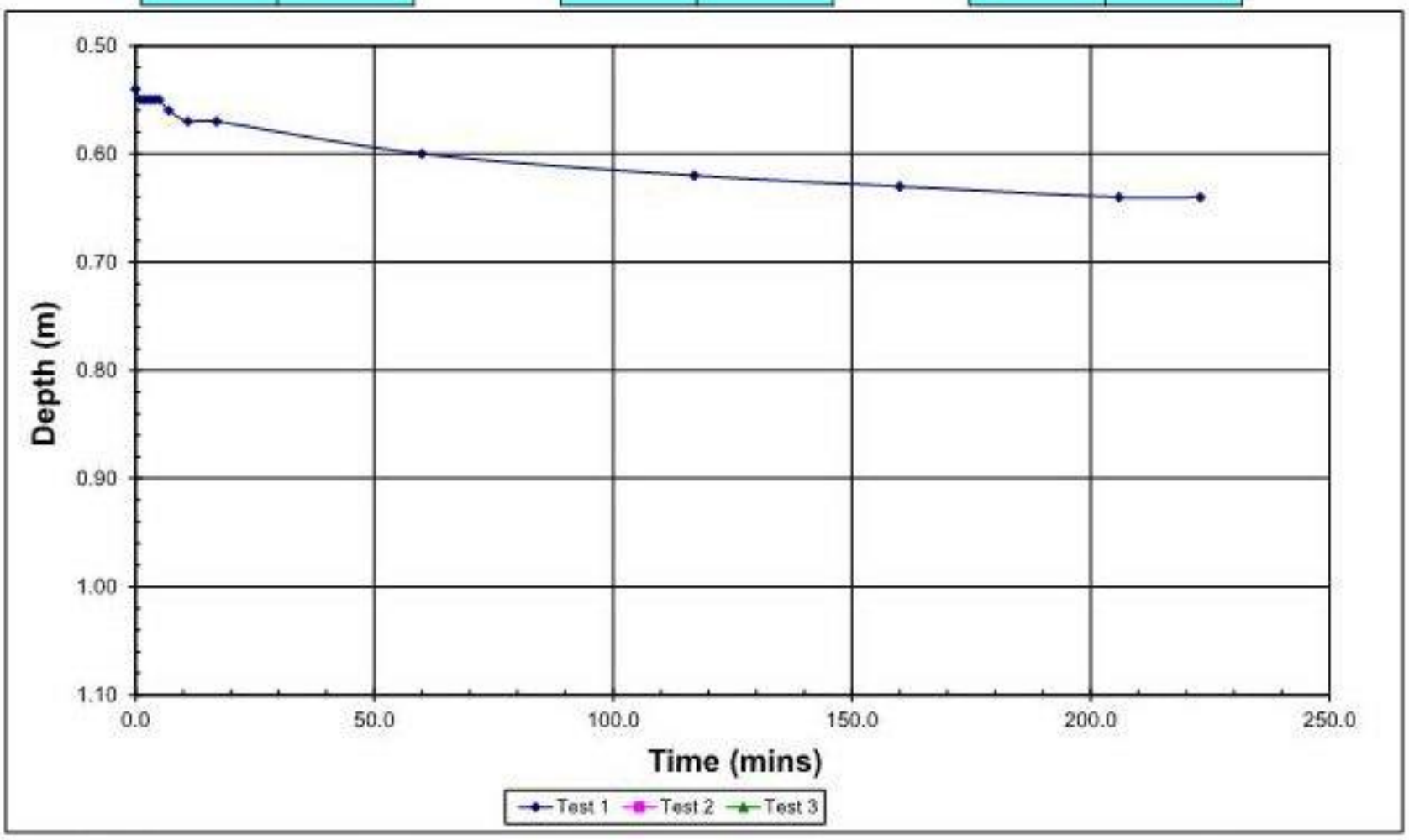
Time (min)	Depth (m)
0.0	0.54
1.0	0.55
2.0	0.55
3.0	0.55
4.0	0.55
5.0	0.55
7.0	0.56
11.0	0.57
17.0	0.57
60.0	0.60
117.0	0.62
160.0	0.63
206.0	0.64
223.0	0.64

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



	Test 1	Test 2	Test 3
Max. depth (m)	1.06	1.06	1.06
Effective depth (m)	0.52	1.06	1.06
75% effective depth (m)	0.67	0.27	0.27
50% effective depth (m)	0.80	0.53	0.53
25% effective depth (m)	0.93	0.80	0.80
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.31	0.64	0.64
ap 50	2.552	3.956	3.956
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Soakaway Test Results (after BRE Digest 365)

Geo-EnvironmentalServices Limited
Unit 7 Danworth Farm, Cuckfield Road,
Hurstpierpoint, West Sussex BN6 9GL
+44(0)1273 832972 www.gesl.net

Project Name :	Manor Farm, Lower Road, Bedhampton	**Job No. :**	GE16507
Client :	Bargate Homes	**Date :**	18/09/2017

Pit reference	**TP7 (deep)**
Pit depth (m)	3.00
Pit width (m)	0.60
Pit length (m)	1.60
Depth to standing water (m)	

Test 1

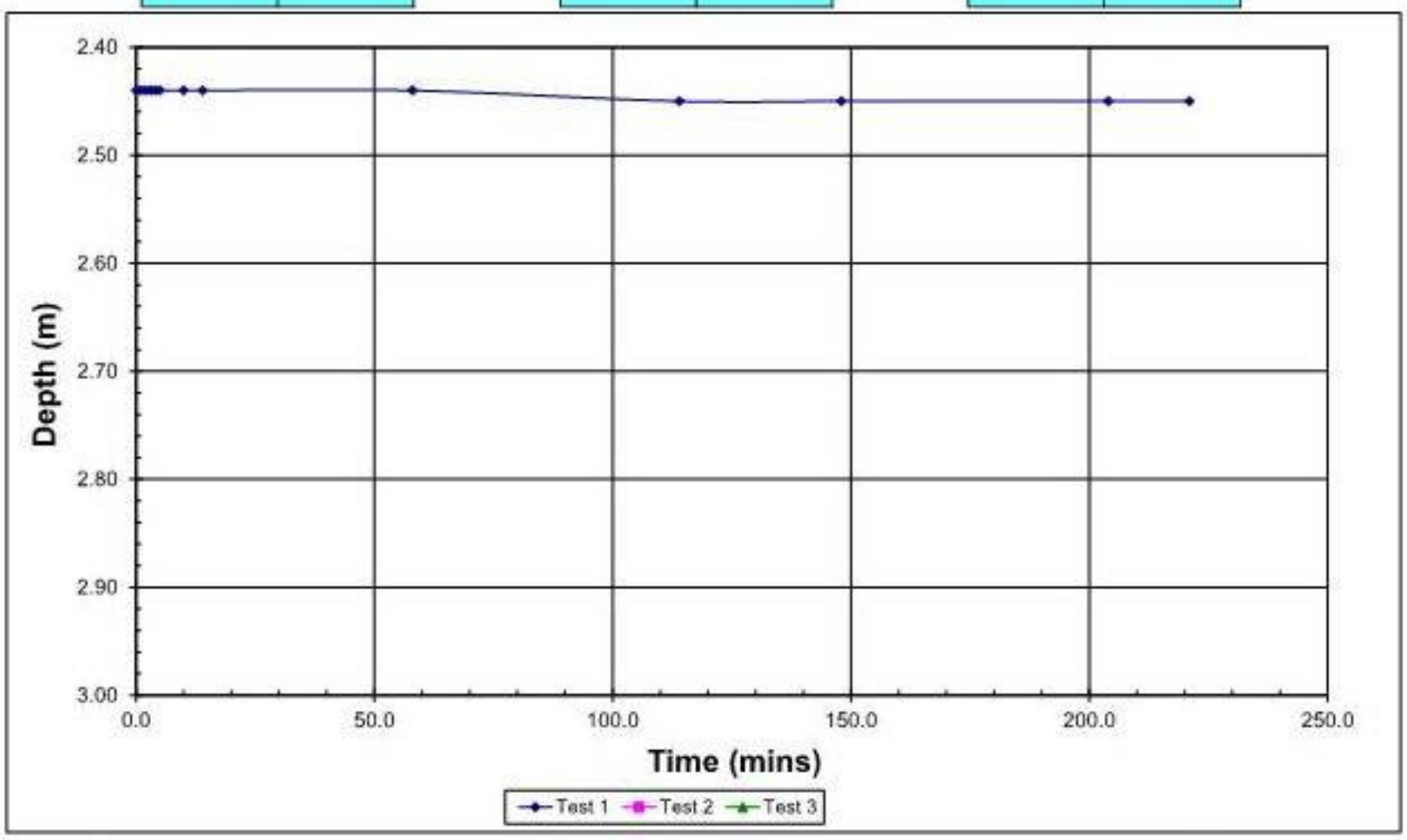
Time (min)	Depth (m)
0.0	2.44
1.0	2.44
2.0	2.44
3.0	2.44
4.0	2.44
5.0	2.44
10.0	2.44
14.0	2.44
58.0	2.44
114.0	2.45
148.0	2.45
204.0	2.45
221.0	2.45

Test 2

Time (min)	Depth (m)

Test 3

Time (min)	Depth (m)



Max. depth (m)	3.00	3.00	3.00
Effective depth (m)	0.56	3.00	3.00
75% effective depth (m)	2.58	0.75	0.75
50% effective depth (m)	2.72	1.50	1.50
25% effective depth (m)	2.86	2.25	2.25
t75 (min)			
t50 (min)			
t25 (min)			
Vp 75-25	0.27	1.44	1.44
ap 50	2.192	7.56	7.56
tp 75-25	0.00	0.00	0.00

Soil infiltration rate (m/s)	**Insufficient fall in water to complete test**	
Soil infiltration rate (mm/hr)	**Insufficient fall in water to complete test**	

Geo-Environmental

APPENDIX C

Geotechnical Laboratory Results

Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No.	Project Name	Programme	
23385	Manor Farm, Bedhampton	Samples received	20/09/2017
		Schedule received	18/09/2017
Project No.	Client	Project started	21/09/2017
GE16507	GESL	Testing Started	27/09/2017

Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top	Base	Type		%	%	%	%	%	
TP1	3	0.50	-	B	Dark brown slightly gravelly sandy silty CLAY with traces of rootlets (gravel is fm and angular to rounded)	19	94	33	18	15	
TP1	4	1.00	-	D	Orangish brown slightly gravelly slightly sandy silty CLAY with traces of rootlets (gravel is fine and angular)	21	97	47	19	28	
TP2	5	1.00	-	D	Orangish brown slightly gravelly sandy silty CLAY (gravel is fine and angular)	19	97	43	19	24	
TP3	4	1.00	-	D	Brown slightly gravelly silty CLAY (gravel is fm and angular)	23	97	58	22	36	
TP6	4	1.00	-	D	Brown and orangish brown mottled slightly gravelly slightly sandy silty CLAY with traces of rootlets (gravel is fine and angular to sub-angular)	20	96	55	19	36	
TP7	4	1.00	-	D	Brown slightly sandy slightly gravelly silty CLAY (gravel is fm and angular)	23	96	49	20	29	
TP7	6	2.00	-	D	Brown and orange brown mottled slightly sandy slightly gravelly silty CLAY (gravel is fm and angular)	21	95	39	17	22	
WS1	3	1.00	-	D	Brown slightly gravelly silty CLAY (gravel is fm and angular)	22	90	52	20	32	
WS2	3	0.70	-	D	Brown and orangish brown mottled slightly gravelly silty CLAY (gravel is fine and angular)	19	98	54	20	34	
WS3	4	1.10	-	D	Orangish brown sandy silty CLAY	13	100	39	17	22	
WS4	4	1.50	-	D	Orangish brown slightly gravelly silty CLAY (gravel is fine and angular)	24	97	55	20	35	
WS5	3	0.90	-	D	Brown slightly gravelly silty CLAY (gravel is fine and angular to sub-angular)	22	92	50	18	32	

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: 04/10/2017

2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr) MSF-5-R1(b)

Summary of Natural Moisture Content, Liquid Limit and Plastic Limit Results

Job No.	Project Name	Programme	
23385	Manor Farm, Bedhampton	Samples received	20/09/2017
		Schedule received	18/09/2017
Project No.	Client	Project started	21/09/2017
GE16507	GESL	Testing Started	27/09/2017

Hole No.	Sample				Soil Description	NMC	Passing 425µm	LL	PL	PI	Remarks
	Ref	Top	Base	Type		%	%	%	%	%	
WS6	3	0.80	-	D	Brown silty CLAY	24	100	75	24	51	
WS6	5	1.80	-	D	Brown slightly gravelly silty CLAY (gravel is fm and angular to rounded)	19	92	44	17	27	

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

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Date: 04/10/2017

2519

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

MSF-5-R1(b)

California Bearing Ratio (CBR)

Job Ref	23385				
Borehole/Pit No.	TP8				
Site Name	Manor Farm, Bedhampton			Sample No.	3
Project No.	GE16507	Client	GESL	Depth Top	0.50 m
Soil Description	Brown slightly gravelly slightly sandy silty CLAY (gravel is fm and angular to rounded)			Depth Base	- m
				Sample Type	B
				Samples received	20/09/2017
				Schedules received	18/09/2017
Test Method	BS1377 : Part 4 : 1990, clause 7			Project Started	21/09/2017
				Date Tested	25/09/2017

Specimen Preparation

Condition: REMOULDED

Details: Recompacted with specified standard effort using 2.5kg rammer

Material retained on 20mm sieve removed: 0 %

Initial Specimen details

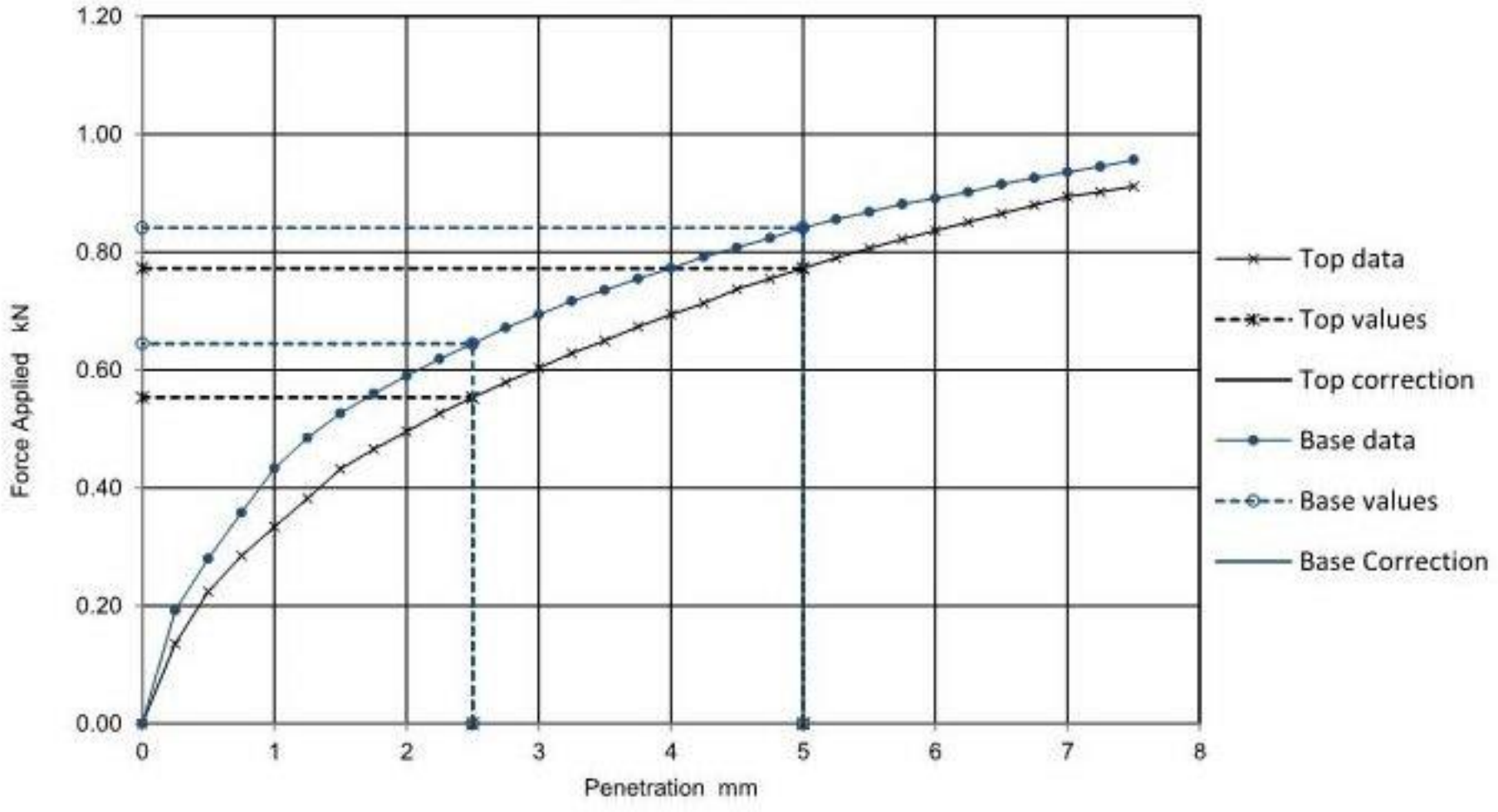
Bulk density	2.02	Mg/m3
Dry density	1.68	Mg/m3
Moisture content	20	%

Soaking details

Period of soaking	2	days
Time to surface	2	days
Amount of swell recorded	0.42	mm

Surcharge applied	6	kg
	4	kPa

Force v Penetration Plots



Results

	Curve correction applied	CBR Values, % 2.5mm	5mm	Highest	Average	Moisture Content %
TOP	No	4.2	3.9	4.2	4.5	23
BASE	No	4.9	4.2	4.9		22

Remarks

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: 04/10/2017

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.	Project Name	Programme	
23385	Manor Farm, Bedhampton	Samples received	20/09/2017
		Schedule received	18/09/2017
Project No.	Client	Project started	21/09/2017
GE16507	GESL	Testing Started	02/10/2017

Hole No.	Sample				Soil description	Dry Mass passing 2mm	SO3 Content	SO4 Content	pH	Remarks
	Ref	Top	Base	Type		%	g/l	g/l		
TP6	4	1.00	-	D	Brown and orangish brown mottled slightly gravelly slightly sandy silty CLAY with traces of rootlets (gravel is fine and angular to sub-angular)	98	0.22	0.26	7.04	
TP8	4	1.00	-	D	Orangish brown slightly gravelly sandy silty CLAY (gravel is fm and sub-angular)	96	0.21	0.26	7.38	
WS2	4	1.60	-	D	Off white putty CHALK with occasional pockets of brown silty clay	100	0.25	0.30	7.54	
WS3	3	0.80	-	D	Orangish brown silty sandy CLAY	100	0.24	0.29	7.27	

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: 04/10/2017

APPENDIX D

Geochemical Laboratory Results

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

2683

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number:	17-14079
Issue:	1
Date of Issue:	26/09/2017
Contact:	Gavin Roberts
Customer Details:	GESL Unit 7 Danworth Farm Hurstpierpoint West SussexBN6 9GL
Quotation No:	Q14-00021
Order No:	2334
Customer Reference:	GE16507
Date Received:	21/09/2017
Date Approved:	26/09/2017
Details:	Manor Farm, Bedhampton
Approved by:	[redacted]

John Wilson, Operations Manager

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

ELAB

Sample Summary

Report No.: 17-14079

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
112452	TP1 0.10	18/09/2017	21/09/2017	Silty loam	
112453	TP2 0.20	18/09/2017	21/09/2017	Silty loam	
112454	TP3 0.10	18/09/2017	21/09/2017	Silty loam	
112455	TP4 0.10	18/09/2017	21/09/2017	Silty loam	
112456	TP5 0.20	18/09/2017	21/09/2017	Silty loam	
112457	TP6 0.10	18/09/2017	21/09/2017	Silty loam	
112458	TP6 0.50	18/09/2017	21/09/2017	Silty loam	
112459	TP8 0.10	18/09/2017	21/09/2017	Silty loam	
112460	TP8 0.50	18/09/2017	21/09/2017	Silty loam	
112461	WS1 0.00 - 0.30	18/09/2017	21/09/2017	Silty loam	
112462	WS2 0.00 - 0.30	18/09/2017	21/09/2017	Silty loam	
112463	WS4 0.10	18/09/2017	21/09/2017	Silty loam	
112464	WS4 0.40	18/09/2017	21/09/2017	Silty loam + chalk	
112465	WS4 1.00	18/09/2017	21/09/2017	Silty clayey loam	
112466	TP1 0.50	18/09/2017	21/09/2017		
112467	TP2 0.10	18/09/2017	21/09/2017		
112468	TP2 0.50	18/09/2017	21/09/2017		
112469	TP3 0.50	18/09/2017	21/09/2017		
112470	TP4 0.50	18/09/2017	21/09/2017		
112471	TP5 0.10	18/09/2017	21/09/2017		
112472	TP5 0.50	18/09/2017	21/09/2017		
112473	TP7 0.10	18/09/2017	21/09/2017		
112474	TP7 0.28	18/09/2017	21/09/2017		
112475	WS1 0.60	18/09/2017	21/09/2017		
112476	WS2 0.50	18/09/2017	21/09/2017		
112477	WS3 0.00 - 0.30	18/09/2017	21/09/2017		
112478	WS3 0.50	18/09/2017	21/09/2017		
112479	WS5 0.00 - 0.30	18/09/2017	21/09/2017		
112480	WS5 0.50	18/09/2017	21/09/2017		
112481	WS6 0.00 - 0.30	18/09/2017	21/09/2017		
112482	WS6 0.60	18/09/2017	21/09/2017		

Results Summary

Report No.: 17-14079

2683

	ELAB Reference	112452	112453	112454	112455	112456	112457
	Customer Reference						
	Sample ID						
	Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Location	TP1	TP2	TP3	TP4	TP5	TP6
	Sample Depth (m)	0.10	0.20	0.10	0.10	0.20	0.10
	Sampling Date	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017
Determinand	**Codes** / **Units** / **LOD**						
Metals							
Arsenic	M / mg/kg / 1	12.2	n/t	11.7	n/t	n/t	10.1
Barium	U / mg/kg / 10	76.9	n/t	71.5	n/t	n/t	60.9
Beryllium	U / mg/kg / 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
Cadmium	M / mg/kg / 0.5	0.6	n/t	< 0.5	n/t	n/t	< 0.5
Chromium	M / mg/kg / 5	27.7	n/t	31.5	n/t	n/t	28.3
Copper	M / mg/kg / 5	27.9	n/t	26.7	n/t	n/t	23.0
Lead	M / mg/kg / 5	80.0	n/t	45.0	n/t	n/t	42.4
Mercury	M / mg/kg / 0.5	< 0.5	n/t	< 0.5	n/t	n/t	< 0.5
Nickel	M / mg/kg / 5	17.8	n/t	18.8	n/t	n/t	15.8
Selenium	M / mg/kg / 1	1.3	n/t	1.0	n/t	n/t	< 1.0
Vanadium	M / mg/kg / 5	44.4	n/t	49.7	n/t	n/t	43.0
Zinc	M / mg/kg / 5	103	n/t	83.1	n/t	n/t	101
Anions							
Water Soluble Chloride	M / mg/kg / 40	54	n/t	47	n/t	n/t	61
Water Soluble Sulphate	M / g/l / 0.02	0.02	n/t	0.02	n/t	n/t	0.03
Inorganics							
Elemental Sulphur	N / mg/kg / 20	< 20	n/t	< 20	n/t	n/t	< 20
Hexavalent Chromium	N / mg/kg / 0.8	< 0.8	n/t	< 0.8	n/t	n/t	< 0.8
Total Sulphide	N / mg/kg / 2	< 2	n/t	< 2	n/t	n/t	< 2
Total Cyanide	M / mg/kg / 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
Acid Soluble Sulphate (SO4)	U / % / 0.02	0.07	n/t	0.07	n/t	n/t	0.09
Water Soluble Boron	N / mg/kg / 0.5	1.2	n/t	0.9	n/t	n/t	0.9
Miscellaneous							
Acid Neutralisation Capacity	N / mol/kg / 0.1	n/t	< 0.1	n/t	n/t	< 0.1	n/t
Loss On Ignition (450°C)	M / % / 0.01	n/t	3.57	n/t	n/t	3.40	n/t
pH	M / pH units / 0.1	6.8	6.9	6.7	n/t	6.5	6.6
Total Organic Carbon	N / % / 0.01	1.5	1.1	0.87	n/t	1.2	0.65
Phenols							
Total Phenols	N / mg/kg / 6	< 6	n/t	< 6	n/t	n/t	< 6
Polyaromatic hydrocarbons							
Naphthalene	M / mg/kg / 0.1	< 0.1	n/t	< 0.1	n/t	n/t	< 0.1
Acenaphthylene	M / mg/kg / 0.1	< 0.1	n/t	< 0.1	n/t	n/t	< 0.1
Acenaphthene	M / mg/kg / 0.1	< 0.1	n/t	< 0.1	n/t	n/t	< 0.1
Fluorene	M / mg/kg / 0.1	< 0.1	n/t	< 0.1	n/t	n/t	< 0.1
Phenanthrene	M / mg/kg / 0.1	0.2	n/t	< 0.1	n/t	n/t	< 0.1
Anthracene	M / mg/kg / 0.1	< 0.1	n/t	< 0.1	n/t	n/t	< 0.1
Fluoranthene	M / mg/kg / 0.1	0.7	n/t	0.1	n/t	n/t	0.3
Pyrene	M / mg/kg / 0.1	0.6	n/t	0.1	n/t	n/t	0.2
Benzo(a)anthracene	M / mg/kg / 0.1	0.4	n/t	< 0.1	n/t	n/t	0.1
Chrysene	M / mg/kg / 0.1	0.5	n/t	< 0.1	n/t	n/t	0.1
Benzo (b) fluoranthene	M / mg/kg / 0.1	0.5	n/t	< 0.1	n/t	n/t	0.1
Benzo(k)fluoranthene	M / mg/kg / 0.1	0.6	n/t	0.2	n/t	n/t	0.2
Benzo (a) pyrene	M / mg/kg / 0.1	0.5	n/t	< 0.1	n/t	n/t	0.1
Indeno (1,2,3-cd) pyrene	M / mg/kg / 0.1	0.4	n/t	< 0.1	n/t	n/t	< 0.1
Dibenzo(a,h)anthracene	M / mg/kg / 0.1	0.1	n/t	< 0.1	n/t	n/t	< 0.1
Benzo[g,h,i]perylene	M / mg/kg / 0.1	0.4	n/t	< 0.1	n/t	n/t	0.1
Total PAH(16)	M / mg/kg / 0.4	4.9	n/t	0.7	n/t	n/t	1.6
Total PAH (Including Coronene)	N / mg/kg / 2	n/t	< 2	n/t	n/t	< 2	n/t

Results Summary

Report No.: 17-14079

2683

	ELAB Reference	112452	112453	112454	112455	112456	112457
	Customer Reference						
	Sample ID						
	Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Location	TP1	TP2	TP3	TP4	TP5	TP6
	Sample Depth (m)	0.10	0.20	0.10	0.10	0.20	0.10
	Sampling Date	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017
Determinand	**Codes** / **Units** / **LOD**						
BTEX							
Benzene	M ug/kg 10	< 10.0	n/t	< 10.0	n/t	n/t	< 10.0
Toluene	M ug/kg 10	< 10.0	n/t	< 10.0	n/t	n/t	< 10.0
Ethylbenzene	M ug/kg 10	< 10.0	n/t	< 10.0	n/t	n/t	< 10.0
Xylenes	M ug/kg 10	< 10.0	n/t	< 10.0	n/t	n/t	< 10.0
Total BTEX	M mg/kg 0.01	n/t	< 0.01	n/t	n/t	< 0.01	n/t
TPH CWG							
>C5-C6 Aliphatic	N mg/kg 0.01	< 0.01	n/t	< 0.01	n/t	n/t	< 0.01
>C6-C8 Aliphatic	N mg/kg 0.01	< 0.01	n/t	< 0.01	n/t	n/t	< 0.01
>C8-C10 Aliphatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C10-C12 Aliphatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C12-C16 Aliphatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C16-C21 Aliphatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C21-C35 Aliphatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C35-C40 Aliphatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C5-C7 Aromatic	N mg/kg 0.01	< 0.01	n/t	< 0.01	n/t	n/t	< 0.01
>C7-C8 Aromatic	N mg/kg 0.01	< 0.01	n/t	< 0.01	n/t	n/t	< 0.01
>C8-C10 Aromatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C10-C12 Aromatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C12-C16 Aromatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C16-C21 Aromatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
>C21-C35 Aromatic	N mg/kg 1	4.2	n/t	1.7	n/t	n/t	< 1.0
>C35-C40 Aromatic	N mg/kg 1	< 1.0	n/t	< 1.0	n/t	n/t	< 1.0
Total (>C5-C40) Ali/Aro	N mg/kg 1	4.2	n/t	1.7	n/t	n/t	< 1.0
Total Petroleum Hydrocarbons							
Mineral Oil	U mg/kg 5	n/t	< 5	n/t	n/t	< 5	n/t
PCB (ICES 7 congeners)							
PCB (Total of 7 Congeners)	M mg/kg 0.03	n/t	< 0.03	n/t	n/t	< 0.03	n/t
OrganoChlorine Pesticides							
alpha-HCH	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
beta_HCH	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
gamma-HCH	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
delta-HCH	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Heptachlor	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Aldrin	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Heptachlor expoxide	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
trans-Chlordane	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
alpha cis-Chlordane	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
p,p-DDE	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Dieldrin	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Endrin	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
p,p-DDD	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Endosulfan II	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Endrin aldehyde	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
p,p-DDT	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Endosulphan sulphate	M ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Methoxychlor	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t
Endrin ketone	N ug/kg 10	n/t	n/t	n/t	< 10	n/t	n/t

Results Summary

Report No.: 17-14079

	ELAB Reference	112458	112459	112460	112461	112462	112463
	Customer Reference						
	Sample ID						
	Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Location	TP6	TP8	TP8	WS1	WS2	WS4
	Sample Depth (m)	0.50	0.10	0.50	0.00 - 0.30	0.00 - 0.30	0.10
	Sampling Date	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017
Determinand	**Codes**	**Units**	**LOD**						
Metals									
Arsenic	M	mg/kg	1	11.5	12.0	13.2	n/t	9.8	7.2
Barium	U	mg/kg	10	69.4	68.2	58.3	n/t	57.7	79.5
Beryllium	U	mg/kg	1	< 1.0	< 1.0	1.2	n/t	< 1.0	< 1.0
Cadmium	M	mg/kg	0.5	< 0.5	0.5	< 0.5	n/t	0.6	< 0.5
Chromium	M	mg/kg	5	34.4	30.4	40.9	n/t	25.1	17.0
Copper	M	mg/kg	5	17.3	29.9	19.5	n/t	20.6	21.1
Lead	M	mg/kg	5	17.3	61.9	17.5	n/t	37.7	52.5
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	n/t	< 0.5	< 0.5
Nickel	M	mg/kg	5	21.0	17.1	23.7	n/t	13.7	12.2
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	1.1
Vanadium	M	mg/kg	5	54.7	49.8	61.9	n/t	39.5	27.5
Zinc	M	mg/kg	5	78.6	87.3	71.0	n/t	75.6	73.8
Anions									
Water Soluble Chloride	M	mg/kg	40	72	51	69	n/t	68	< 40
Water Soluble Sulphate	M	g/l	0.02	0.03	0.03	0.04	n/t	0.03	0.02
Inorganics									
Elemental Sulphur	N	mg/kg	20	< 20	< 20	< 20	n/t	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	n/t	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2	< 2	n/t	< 2	< 2
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.06	0.09	0.06	n/t	0.08	0.06
Water Soluble Boron	N	mg/kg	0.5	0.7	0.9	0.8	n/t	0.5	0.7
Miscellaneous									
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	n/t	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	n/t	n/t	n/t	n/t	n/t
pH	M	pH units	0.1	6.7	6.7	7.0	n/t	7.1	7.8
Total Organic Carbon	N	%	0.01	0.29	1.1	0.25	n/t	0.90	2.0
Phenols									
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	n/t	< 6	< 6
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	0.2
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	0.6
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	0.4
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	0.3
Phenanthrene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	4.3
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	1.7
Fluoranthene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	n/t	0.2	12.9
Pyrene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	n/t	0.2	11.4
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	n/t	0.1	8.3
Chrysene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	n/t	0.1	8.0
Benzo (b) fluoranthene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	n/t	0.2	9.3
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	0.3	< 0.1	n/t	0.2	9.3
Benzo (a) pyrene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	n/t	0.2	10.3
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	n/t	< 0.1	8.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	2.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	0.1	< 0.1	n/t	< 0.1	7.2
Total PAH(16)	M	mg/kg	0.4	< 0.4	2.3	< 0.4	n/t	1.6	94.5
Total PAH (Including Coronene)	N	mg/kg	2	n/t	n/t	n/t	n/t	n/t	n/t

Results Summary

Report No.: 17-14079

2683

	ELAB Reference	112458	112459	112460	112461	112462	112463
	Customer Reference						
	Sample ID						
	Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sample Location	TP6	TP8	TP8	WS1	WS2	WS4
	Sample Depth (m)	0.50	0.10	0.50	0.00 - 0.30	0.00 - 0.30	0.10
	Sampling Date	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017	18/09/2017
Determinand	**Codes**	**Units**	**LOD**						
BTEX									
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	n/t	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	n/t	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	n/t	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	n/t	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t
TPH CWG									
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	2.6
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	7.0
>C21-C35 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	42.3
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	9.8
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	n/t	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	3.7
>C16-C21 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	36.0
>C21-C35 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	351
>C35-C40 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	81.6
Total (>C5-C40) Ali/Aro	N	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	534
Total Petroleum Hydrocarbons									
Mineral Oil	U	mg/kg	5	n/t	n/t	n/t	n/t	n/t	n/t
PCB (ICES 7 congeners)									
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	n/t	n/t	n/t	n/t	n/t
OrganoChlorine Pesticides									
alpha-HCH	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
beta_HCH	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
gamma-HCH	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
delta-HCH	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Heptachlor	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Aldrin	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Heptachlor expoxide	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
trans-Chlordane	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
alpha cis-Chlordane	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
p,p-DDE	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Dieldrin	M	ug/kg	10	n/t	n/t	n/t	12	n/t	n/t
Endrin	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
p,p-DDD	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Endosulfan II	N	ug/kg	10	n/t	n/t	n/t	50	n/t	n/t
Endrin aldehyde	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
p,p-DDT	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Endosulphan sulphate	M	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Methoxychlor	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t
Endrin ketone	N	ug/kg	10	n/t	n/t	n/t	< 10	n/t	n/t

ELAB

UKAS TESTING 2683

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Results Summary

Report No.: 17-14079

ELAB Reference	112464	112465
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	WS4	WS4
Sample Depth (m)	0.40	1.00
Sampling Date	18/09/2017	18/09/2017

Determinand	Codes	Units	LOD		
Metals					
Arsenic	M	mg/kg	1	^ 12.1	15.9
Barium	U	mg/kg	10	90.1	59.8
Beryllium	U	mg/kg	1	< 1.0	1.2
Cadmium	M	mg/kg	0.5	^ 1.0	< 0.5
Chromium	M	mg/kg	5	^ 18.5	49.6
Copper	M	mg/kg	5	^ 25.5	21.8
Lead	M	mg/kg	5	^ 132	23.4
Mercury	M	mg/kg	0.5	^ < 0.5	< 0.5
Nickel	M	mg/kg	5	^ 16.3	26.8
Selenium	M	mg/kg	1	^ < 1.0	< 1.0
Vanadium	M	mg/kg	5	^ 25.0	70.9
Zinc	M	mg/kg	5	^ 285	81.7
Anions					
Water Soluble Chloride	M	mg/kg	40	^ 58	< 40
Water Soluble Sulphate	M	g/l	0.02	^ 0.03	0.02
Inorganics					
Elemental Sulphur	N	mg/kg	20	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8
Total Sulphide	N	mg/kg	2	< 2	< 2
Total Cyanide	M	mg/kg	1	^ < 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.10	0.07
Water Soluble Boron	N	mg/kg	0.5	1.2	0.8
Miscellaneous					
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	n/t
pH	M	pH units	0.1	^ 8.2	7.9
Total Organic Carbon	N	%	0.01	0.94	0.21
Phenols					
Total Phenols	N	mg/kg	6	< 6	< 6
Polyaromatic hydrocarbons					
Naphthalene	M	mg/kg	0.1	^ < 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	^ 0.3	< 0.1
Acenaphthene	M	mg/kg	0.1	^ 0.1	< 0.1
Fluorene	M	mg/kg	0.1	^ 0.2	< 0.1
Phenanthrene	M	mg/kg	0.1	^ 2.6	< 0.1
Anthracene	M	mg/kg	0.1	^ 0.6	< 0.1
Fluoranthene	M	mg/kg	0.1	^ 4.5	< 0.1
Pyrene	M	mg/kg	0.1	^ 3.7	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	^ 2.6	< 0.1
Chrysene	M	mg/kg	0.1	^ 2.8	< 0.1
Benzo (b) fluoranthene	M	mg/kg	0.1	^ 2.5	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	^ 2.9	< 0.1
Benzo (a) pyrene	M	mg/kg	0.1	^ 2.7	< 0.1
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	^ 1.5	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	^ 0.5	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	^ 1.6	< 0.1
Total PAH(16)	M	mg/kg	0.4	^ 29.3	< 0.4
Total PAH (Including Coronene)	N	mg/kg	2	n/t	n/t

ELAB

UKAS TESTING 2683

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Results Summary

Report No.: 17-14079

ELAB Reference	112464	112465
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	WS4	WS4
Sample Depth (m)	0.40	1.00
Sampling Date	18/09/2017	18/09/2017

Determinand	Codes	Units	LOD		
BTEX					
Benzene	M	ug/kg	10	^ < 10.0	< 10.0
Toluene	M	ug/kg	10	^ < 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	^ < 10.0	< 10.0
Xylenes	M	ug/kg	10	^ < 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	n/t	n/t
TPH CWG					
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	1.7	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	2.7	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	30.8	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	4.8	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	40.0	< 1.0
Total Petroleum Hydrocarbons					
Mineral Oil	U	mg/kg	5	n/t	n/t
PCB (ICES 7 congeners)					
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	n/t
OrganoChlorine Pesticides					
alpha-HCH	M	ug/kg	10	n/t	n/t
beta_HCH	M	ug/kg	10	n/t	n/t
gamma-HCH	M	ug/kg	10	n/t	n/t
delta-HCH	N	ug/kg	10	n/t	n/t
Heptachlor	N	ug/kg	10	n/t	n/t
Aldrin	M	ug/kg	10	n/t	n/t
Heptachlor expoxide	N	ug/kg	10	n/t	n/t
trans-Chlordane	N	ug/kg	10	n/t	n/t
alpha cis-Chlordane	N	ug/kg	10	n/t	n/t
p,p-DDE	M	ug/kg	10	n/t	n/t
Dieldrin	M	ug/kg	10	n/t	n/t
Endrin	N	ug/kg	10	n/t	n/t
p,p-DDD	M	ug/kg	10	n/t	n/t
Endosulfan II	N	ug/kg	10	n/t	n/t
Endrin aldehyde	N	ug/kg	10	n/t	n/t
p,p-DDT	M	ug/kg	10	n/t	n/t
Endosulphan sulphate	M	ug/kg	10	n/t	n/t
Methoxychlor	N	ug/kg	10	n/t	n/t
Endrin ketone	N	ug/kg	10	n/t	n/t

2683

Results Summary

Report No.: 17-14079

WAC Analysis								
Elab Ref:	112456					**Landfill Waste Acceptance Criteria Limits**		
Sample Date:	18/09/2017					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	TP5							
Depth (m)	0.2							
Site:	Manor Farm, Bedhampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.20	3	5	6
Loss on Ignition		M	%		3.4	--	--	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		< 2	100	--	--
pH		M			6.5	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	< 0.005		< 0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	0.015		0.15	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	0.003		< 0.05	0.4	10	40
Lead		N	< 0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	< 0.005		< 0.05	4	50	200
Chloride		N	7		74.00	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	6		55.30	1000	20000	50000
Total Dissolved Solids		N	140		1400.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	20.100		201.00	500	800	1000
Leach Test Information								
pH		N	7.4					
Conductivity (uS/cm)		N	85					
Dry mass of test portion (g)			101.000					
Dry Matter (%)			82					
Moisture (%)			22					
Eluent Volume (ml)			945					

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 discrepencies with current legislation

Results Summary

Report No.: 17-14079

WAC Analysis								
Elab Ref:	112453					**Landfill Waste Acceptance Criteria Limits**		
Sample Date:	18/09/2017					**Inert Waste Landfill**	**Stable Non-reactive Hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Sample ID:	TP2							
Depth (m)	0.2							
Site:	Manor Farm, Bedhampton							
Determinand		**Code**	**Units**					
Total Organic Carbon		N	%		1.10	3	5	6
Loss on Ignition		M	%		3.6	--	--	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		< 2	100	--	--
pH		M			6.9	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			**10:1**		**10:1**	**Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg**		
			mg/l		**mg/kg**			
Arsenic		N	< 0.005		< 0.05	0.5	2	25
Barium		N	< 0.005		< 0.05	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	0.015		0.15	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005		< 0.05	0.5	10	30
Nickel		N	0.003		< 0.05	0.4	10	40
Lead		N	0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.007		0.07	4	50	200
Chloride		N	7		68.00	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	5		49.80	1000	20000	50000
Total Dissolved Solids		N	160		1600.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	19.600		196.00	500	800	1000
Leach Test Information								
pH		N	7.3					
Conductivity (uS/cm)		N	77					
Dry mass of test portion (g)			100.000					
Dry Matter (%)			82					
Moisture (%)			22					
Eluent Volume (ml)			943					

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 discrepencies with current legislation

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Results Summary

Report No.: 17-14079

Asbestos 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 #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
112452	0.10	TP1	Brown soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
112454	0.10	TP3	Brown sandy soil, stones, chalk	No asbestos detected	n/t	n/t	n/t	n/t
112457	0.10	TP6	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
112458	0.50	TP6	Brown sandy soil, stones	No asbestos detected	n/t	n/t	n/t	n/t
112459	0.10	TP8	Brown sandy soil, stones, clinker	No asbestos detected	n/t	n/t	n/t	n/t
112460	0.50	TP8	Brown sandy soil, stones, organics	No asbestos detected	n/t	n/t	n/t	n/t
112462	0.00 - 0.30	WS2	Brown sandy soil, stones, glass, organics	No asbestos detected	n/t	n/t	n/t	n/t
112463	0.10	WS4	Brown sandy soil, stones, concrete, clinker, organics	No asbestos detected	n/t	n/t	n/t	n/t
112464	0.40	WS4	Brown sandy soil, chalk, stones, concrete, brick, clinker, glass, organics	No asbestos detected	n/t	n/t	n/t	n/t
112465	1.00	WS4	Brown sandy soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 17-14079

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Sulphide	N	As submitted sample	22/09/2017	109	Colorimetry
Hexavalent chromium	N	As submitted sample	22/09/2017	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	25/09/2017	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	22/09/2017	118	ICPMS
Phenols in solids	N	As submitted sample	22/09/2017	121	HPLC
Elemental Sulphur	N	Air dried sample	22/09/2017	122	HPLC
PAH (GC-FID)	M	As submitted sample	22/09/2017	133	GC-FID
Water soluble anions	M	Air dried sample	22/09/2017	172	Ion Chromatography
Organochlorine Pesticides in solids	M	As submitted sample	22/09/2017	173	GC-MS
Water soluble boron	N	Air dried sample	22/09/2017	202	Colorimetry
Total cyanide	M	As submitted sample	22/09/2017	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	22/09/2017	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	25/09/2017	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	22/09/2017	214	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	25/09/2017	214	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	25/09/2017	214	GC-MS
Asbestos identification	U	As submitted sample	26/09/2017	PMAN	Microscopy
Leachate					
Arsenic*	N		26/09/2017	101	ICPMS
Cadmium*	N		26/09/2017	101	ICPMS
Chromium*	N		26/09/2017	101	ICPMS
Lead*	N		26/09/2017	101	ICPMS
Nickel*	N		26/09/2017	101	ICPMS
Copper*	N		26/09/2017	101	ICPMS
Zinc*	N		26/09/2017	101	ICPMS
Mercury*	N		26/09/2017	101	ICPMS
Selenium*	N		26/09/2017	101	ICPMS
Antimony	N		26/09/2017	101	ICPMS
Barium*	N		26/09/2017	101	ICPMS
Molybdenum*	N		26/09/2017	101	ICPMS
pH Value*	N		26/09/2017	113	Electrometric
Electrical Conductivity*	N		26/09/2017	136	Probe
Dissolved Organic Carbon	N		26/09/2017	102	TOC analyser
Chloride*	N		26/09/2017	131	Ion Chromatography
Fluoride*	N		26/09/2017	131	Ion Chromatography
Sulphate*	N		26/09/2017	131	Ion Chromatography
Total Dissolved Solids	N		26/09/2017	144	Gravimetric
Phenol index	N		26/09/2017	121	HPLC
WAC Solids analysis	N				
pH Value**	M	Air dried sample	25/09/2017	113	Electrometric
Total Organic Carbon	N	Air dried sample	25/09/2017	210	IR
Loss on Ignition**	M	Air dried sample	25/09/2017	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	25/09/2017	NEN 737	Electrometric
Total BTEX**	M	As submitted sample	25/09/2017	181	GCMS
Mineral Oil**	U	As submitted sample	22/09/2017	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	22/09/2017	120	GCMS
Total PAH (17)**	N	As submitted sample	25/09/2017	133	GCFID

Tests marked N are not UKAS accredited

2683

Report Information

Report No.: 17-14079

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 (dried at < 30°C)
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