Geo-Environmental

MINERAL SAFEGUARDING ASSESSMENT

for the site at

LAND SOUTH OF MORTIMERS LANE,

FAIR OAK,

HAMPSHIRE,

SO50 7EA

on behalf of

BLOOR HOMES SOUTHERN

Report:	**MINERAL SAFEGUARDING ASSESSMENT**
Site:	**LAND SOUTH OF MORTIMERS LANE, FAIR OAK, HAMPSHIRE, SO50 7EA**
Client:	**BLOOR HOMES SOUTHERN**
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1.0 INTRODUCTION

1.1 General

Geo-Environmental Services Limited (Geo-Environmental) was instructed by Bloor Homes Southern (the Client) to undertake an assessment of the possible mineral reserve significance pertaining to Land South of Mortimers Lane, Fair Oak, Hampshire, SO50 7AE. The site's location is presented in Figure 1.

Hampshire County Council's (HCC's), Hampshire Minerals and Waste Local Plan (adopted 2013) (HMWLP) has defined the subject site to be within a mineral consultation area. The HMWLP serves to protect potential mineral resources from sterilisation due to development. The HMWLP has been referred to for this assessment alongside documents which include:

- *Hampshire (comprising Hampshire, City of Portsmouth and City of Southampton) mineral resources: mineral resource information in support of national, regional and local planning.* Mineral Resources Series. British Geological Survey.

The Hampshire mineral resources: mineral resource information in support of national, regional and local planning report indicated the site to be located in an area where soft sand deposits are likely to be present. This area of likely soft sand is mapped as potentially being present beneath the central western portion of the site, as opposed to the entire site. This is likely why the site was designated to be within a mineral consultation area.

These soft sand deposits derive from the Whitecliff Sand Member. As such there could be potential for viable soft sand to be recovered for use within the development project and upcycled to a mineral processing operator. HCC required the submission of a Mineral Safeguarding Assessment, undertaken prior to application determination.

Note – The term 'Soft Sand' is used to describe fine sand suitable for use in such products as mortar, asphalt and plaster.

1.2 Objectives

This Mineral Safeguarding Assessment (MSA) has been prepared with respect to the mineral reserve significance for the site and to support determination of possible planning application in due course.

1.3 Scope of Assessment

This report summarises the findings of a desk study, preliminary ground investigation and supplementary ground investigation, all undertaken by Geo-Environmental; an assessment of the mineral resources likely to be present based on the information currently available; and potential for resource extraction on site. The desk study was carried out in February 2023 (report reference GE21215/DSRv1.1/NOV24), the preliminary ground investigation was carried out in April 2023 (report reference GE21215/GIRv2.1/NOV24), and the supplementary ground investigation was carried out in November 2024 (report reference GE22375/FG04/241120).

As part of the MSA, evidence was required of discussions with local operators to confirm the viability of prior extraction, where relevant.

2.0 SITE SETTING

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 which extended to c.11.05Ha and was located at NGR 450686, 118681.

At the time of the most recent site investigation works (November 2024) the site was accessed from the north via a gateway secured with a steel bar gate located off Mortimers Lane. A grassed farm track ran from this access way into the site providing access to the three fields making up the site. The track was laid to grass with track marks and sloped gently upwards at first then sloped away to the south down towards the southern field.

The northern field was roughly square shaped and laid to grass. An access farm track was located to the east of this field. The field sloped gently down to the southwest and was bounded by fencing along all boundaries with mixed hedgerows and trees along the northern, southern and western boundaries.

A small field located to the south of the northern field, was laid to grass and was mainly flat and level. The field was fenced along all boundaries with a hedgerow and trees located along the northern and western boundaries.

The southern field made up the majority of the site and was laid to grass. The field sloped away to the south with the lowest point of the site along the southern boundary. This low southern portion of the site was noted to be wet under foot during the intrusive works. A drainage ditch was also present along this southern boundary and was located outside of the site. Overhead electrical cables were located in the south-eastern portion of the field running in a northeast to southwest direction. The southern field was bounded by fencing on all boundaries along with hedgerows and trees along the eastern, southern and western boundaries.

The site was bounded by residential properties to the west, Mortimers Lane with fields beyond to the north, agricultural fields to the east and commercial uses (storage yard and data centre) and a former landfill site to the south. This former landfill site was observed to have an active gas extraction system located approximately 60m south of the southern site boundary.

2.2 Geology

With reference to British Geological Survey (BGS) mapping, the geology underlying the site was indicated to comprise the bedrock geology of the London Clay Formation across the majority of the site with an outcrop of the Whitecliff Sand Member across the central western portion of the site. In addition, there is a possibility that limited areas of the site, most likely limited to the current track access to the site, may comprise a mantle of Made Ground overlying these natural strata.

BS5930: 2015+A1:2020 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, where identified it is not uncommon for asbestos to be present within Made Ground soils.

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

2.3 Hydrogeology

With reference to the desk study data, the underlying bedrock strata were classified as a Secondary 'A' aquifer (Whitecliff Sand) and Unproductive Strata (London Clay).

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

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

According to information provided from the Environment Agency the site was indicated to be outside of any Source Protection Zone with regard to the protection of groundwater for potable supply.

The environmental dataset identified the following discharge consents to land/soakaway within 500m of the site:

- Hampshire CC, Knowle Lane Recycling Centre – Sewage discharge final/treated effluent, date issued 11/03/1986, no revocation date provided – 125m SW
- Disaster Recovery Facility, Knowle Lane – Trade effluent discharge, date issued 22/06/2001, revocation date 20/12/2012 – 131m SW
- Disaster Recovery Facility, Knowle Lane – Trade effluent discharge, date issued 21/12/2012, revocation date 20/06/2018 – 131m SW
- Disaster Recovery Facility, Knowle Lane – Sewage discharge final/treated effluent, date issued 22/06/2001, no revocation date provided – 131m SW
- Pembers Hill Farm, Mortimers Lane – Sewage discharge final/treated effluent, date issued 20/08/2007, no revocation date provided – 150m NW
- Veolia, Fair Oak Household Waste – Trade effluent discharge, date issued 21/12/2012, no revocation date provided – 244m SW
- Hopkins Recycling Ltd, Fair Oak Household Waste – Trade effluent discharge, date issued 12/09/2000, revocation date 20/12/2012 – 244m SW
- Plot 4 Deer Park Farm, Fair Oak – Trade effluent discharge, date issued 09/11/2006, revocation date 20/12/2012 – 375m SW
- Plot 4 Deer Park Farm, Fair Oak – Trade effluent discharge, date issued 21/12/2012, no revocation date provided – 375m SW

No groundwater abstractions were identified within 500m of the site.

No pollution incidents to groundwater were identified within 500m of the site.

The site was identified as being located within an area with limited potential of groundwater flooding to occur. The Whitecliff Sand might have a higher permeability than the surrounding strata of the London Clay Formation. It is also possible that infiltrating water could become perched within the Whitecliff Sand and sandier strata where constrained by less permeable strata, such that a single groundwater body within the London Clay Formation is unlikely.

2.4 Hydrology

With reference to the desk study data, the closest surface water feature was located 5m east of the site and comprised a pond. The site walkover survey identified a drainage ditch with water running along the southern boundary of the site. Whilst the desk study data indicated the subject site to be located outside the extent of extreme flooding from rivers, it is presumed that a Flood Risk Assessment may be required in order to inform

planning and design strategies for the site.

The following discharge consents to controlled waters were identified within a radius of 500m of the site boundary:

- Parsons Construction, Knowle Lane - Sewage Discharge – Final/Treated Effluent – not water company, issued 11/09/2009, revocation date not supplied – 1m SW
- Pembers Hill Farm, Mortimers Lane – Sewage Discharge – Final/Treated Effluent – not water company, issued 20/08/2007, revocation date not supplied – 137m NW
- Pembers Hill Farm, Mortimers Lane – Sewage Discharge – Final/Treated Effluent – not water company, issued 20/08/2007, revocation date not supplied – 150m NW
- East Horton Farm, Mortimers Lane – Sewage Discharge – Final/Treated Effluent – not water company, issued 20/07/1992, revocation date not supplied – 255m S

The desk study data identified the following surface water abstraction points within 500m of the site:

- East Horton Golf Centre – Water abstraction for spray irrigation, authorised start 01/11/2009, authorised end 31/03/2009 – 255m S
- Berrywood Farm, Bubb Lane – Water abstraction for spray irrigation, no authorisation dates provided – 260m S
- East Horton Golf Centre – Water abstraction for spray irrigation, authorised start 01/11/2021, authorised end 31/03/2022 – 262m S
- East Horton Golf Centre – Water abstraction for spray irrigation, authorised start 01/01/2009, authorised end 31/12/2009 – 305m S
- East Horton Golf Centre – Water abstraction for spray irrigation, authorised start 01/01/1999, authorised end 31/12/1999 – 305m S
- East Horton Golf Centre – Water abstraction for spray irrigation, authorised start 01/03/2014, authorised end 31/10/2014 – 402m S

One pollution incident to controlled waters was identified within a radius of 500m of the site boundary:

- East Horton Golf Club – sewage – septic tank effluent, category 3 minor incident, 19/03/1993 – 205m S

It is considered unlikely that the discharge consents or recorded pollution incidents will have ongoing impacts to the site due to the dates of incidents, types of materials discharged, pollutants released and the distance from the site that the incidents occurred.

2.5 Sensitive Land Uses

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

No environmentally sensitive areas were identified within 500m of the site boundary, with the exception of ancient woodland, the closest of which was identified 375m south of the site.

According to the Envirocheck dataset, the site lies within a eutrophic water Nitrate Vulnerable Zone (NVZ) as defined by the Department for Environment, Food and Rural Affairs (DEFRA). Nitrate Vulnerable Zones are designated areas of land draining into waters polluted by nitrates from agriculture.

2.6 Environmental Data

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

The Envirocheck dataset identified the following Integrated Pollution Prevention and Control permitted sites within 500m of the site boundary:

Name	Activity Description	Dates	Distance and Direction
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 15/07/2002 Superseded by variation	98m South
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 30/01/2006 Superseded by variation	98m South
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 02/04/2008 Superseded by variation	98m South
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 24/05/2013 Superseded by variation	98m South
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 23/04/2014 Superseded by variation	98m South
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 28/05/2015 Superseded by variation	98m South
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 30/07/2015 Superseded by variation	98m South
Suez Recycling & Recovery Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 30/06/2016 Superseded by variation	148m South
Suez Recycling & Recovery Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 02/02/2018 Superseded by variation	148m South
Suez Recycling & Recovery Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 26/05/2021 Active	148m South

Name	Activity Description	Dates	Distance and Direction
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 15/07/2002 Superseded by variation	163m Southwest
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective – 30/01/2006 Superseded by variation	163m Southwest
Sita Southern, Fair Oak Landfill	Waste Landfilling – greater than 10 t/d with capacity greater than 25,000t (excluding inert waste)	Effective 02/04/2008 Active	202m Northeast

Table 2.1 Summary of Integrated Pollution Prevention and Control permitted sites

One Local Authority Pollution Prevention and Controls permitted site was identified within 500m of the site:

- Tarmac Topmix Ltd, Fair Oak Sandpit – Blending, packing, loading and use of bulk cement, effective 21/01/1993, authorisation revoked – 361m southwest.

The desk study identified six Contemporary Trade Directory entries within 250m of the site:

Name	Classification	Distance (m)	Direction	Status
Parsons Construction Services	Road Haulage Services	37	SW	Inactive
Drive Personnel	Road Haulage Services	53	W	Active
The Recycling Centre	Recycling Services	178	SW	Active
South Coast Building Group	Mechanical Engineers	225	SW	Active
Topmix Mortars Ltd	Concrete & Mortar Ready Mixed	228	NE	Active
S Grundon Ltd	Sand, Gravel & Other Aggregates	238	NE	Inactive

Table 2.2 Summary of contemporary trades

Considering the types of trades identified and the distances from the site, it is not considered likely that these trades will have impacted on the site.

2.7 Geochemistry

Data obtained as part of the desk study 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 2.3.

Determinand	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 2.3 Summary of Site Geochemistry

The natural background concentrations (where available) were below respective published Soil Guideline Values, Generic Assessment Criteria and Category 4 Screening Levels for the protection of human health under a residential land use, i.e. the most conservative end use.

However, these values are not necessarily representative of the site's soil chemistry and do not take account of current or historical activities on the site, nor the presence or composition of Made Ground soils. Furthermore, some screening criteria are dependent on pH and soil organic matter content. Therefore, concentrations of specific determinands and the utilised SGV/GAC/C4SL cannot be determined without site specific investigation and analysis.

2.8 Mining and Ground Workings

A summary of Mining and possible mineral Ground Working records is presented in Table 2.4 below.

Distance from Site	Name	Commodity	Status
108m SW	Knowlehill Copse Sandpit	Sand	Ceased
139m SW	Knowlehill Copse Sandpit	Sand	Ceased
179m SW	Knowlehill Copse Sandpit	Sand	Ceased
326m S	Fair Oak Sand	Sand	Ceased
485m S	Greenwood Brickfield	Common clay and shale	Ceased
811m SE	Greenwood Sandpit	Sand	Ceased

Table 2.4: Summary of Mining and possible mineral Ground Workings records

2.9 Landfill and Waste Management Facilities

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

Four historic landfill sites, six licensed waste management facilities and two BGS recorded landfill sites were identified within 500m of the site, details of which are provided within Table 2.5 below.

Site Details	Specified Waste	Operation Dates	Status	Distance from Site
Historic Landfills				
M J Passingham Ltd, Knowle Lane	Household, commercial, inert, industrial and liquid sludge wastes	First Input – 6th Jan 1972	Not Provided	7m SW
Winchester Rural District Council, Knowlehill Lane	Household, commercial, inert, industrial and liquid sludge wastes	First Input – 26th Jul 1966	Not Provided	107m W
Sunny Bank Tipping Ltd, Hardings Copse and Scotland Copse	Commercial, industrial and inert wastes	No dates supplied	Not Provided	184m W
Sunny Bank Tipping Ltd, Mortimers Lane	Household, commercial, industrial and inert wastes	First Input – 11th Feb 1977	Not Provided	395m SW
Licensed Waste Management Facilities				
Sita Southern Ltd, Fair Oak Landfill Site, Off Mortimers Lane	Other landfill sites taking special wastes Large (Equal to or greater than 75,000 tonnes per year)	Issued – 2nd May 2001	Inactive	51m SW
Suez Recycling & Recovery Southern Ltd,	Waste landfilling >10 T/D with capacity >25,000T excluding inert	Issued – 26th May 2021	Effective	55m SW

Site Details	Specified Waste	Operation Dates	Status	Distance from Site
Fair Oak Landfill Site Epr/Bk1244ia	waste			
Parsons Construction Ltd, Knowle Lane Ind Est	Use of waste in a deposit for recovery op	Issued – 27th Jan 2014 Surrendered – 19th Feb 2018	Surrendered	77m SW
Suez Recycling & Recovery Southern Ltd, Fair Oak Landfill Site	Landfill Gas Engine (<3 mW)	Issued – 28th May 2015 Last Modified – 2nd Feb 2018	To PPC	148m S
Veolia E S Hampshire Ltd, Fair Oak HWRC, Knowle Lane	Household Waste Amenity Sites	Issued – 1st Jul 1993 Last Modified – 11th Mar 2015	Transferred	177m SW
R&R Contractors, 79 Mortimers Lane	Household, Commercial and Industrial Transfer Station	Issued – 16th Jul 1994	Issued	179m W
Sita Southern Ltd, Off Mortimers Lane	Other landfill sites taking special waste	Issued – 2nd May 2001	To PPC	326m S
BGS Recorded Landfill Sites				
Knowle Lane	No threat to ground or surface water	Unknown	Unknown	70m SW
Knowle Hill Lane	No threat to ground or surface water	Unknown	Unknown	107m W

Table 2.5 Summary of landfill and waste management facilities within 500m of the site

Due to the way in which landfill and waste management facilities are recorded and the fact that different authorities have slightly different names and reference numbers for these types of sites, it is believed that some of the sites listed above may refer to the same parcel of land, as such, and for ease of reference it is understood that the following four landfill/ waste management facilities are located within 500m of the site:

- Fair Oak Landfill – c.55m southwest;
- Knowle Lane – c.77m southwest;
- Knowle Hill Lane – c. 107m west;
- Hardings and Scotland Copse – 184m west.

Fair Oak Landfill is a closed landfill site with active gas and leachate management systems in place. Knowle Lane has been partially redeveloped with a data recovery centre and other commercial uses. Knowle Hill Lane has also been partially redeveloped with an industrial estate located in the south of the landfill area. Hardings and Scotland Copse is generally undeveloped and comprises public open space and woodland.

Below is a plan (Plan 1) which shows the approximate location of these identified landfill sites in relation to the subject site, based on a review of the Environment Agency and Local Authority records provided as part of the Landmark dataset. The plan also includes the former landfill sites Michaels Way and Sunny Bank Landfills although these sites are in excess of 500m from the site they are located within the same underlying permeable geology of the Whitecliff Sand. No liabilities are accepted for any inaccuracies in respect to these boundaries where plotted in relation to the subject site:



Plan 1 – Approximate locations of historical and authorised landfill sites in proximity to the site boundary

The information below pertaining to the current permit for Fair Oak Landfill Site was obtained by undertaking a Freedom of Information request with the Environment Agency and is third party data. As such, this data is assumed to be factually correct and Geo-Environmental accepts no responsibility for any errors or omissions in the data presented and reviewed.

<u>SUEZ Recycling and Recovery Southern Ltd – EPR/BK1244IA/V010 (Fair Oak Landfill)</u>

This site is permitted under the Environmental Permitting Regulations 2010 and the Environment Agency is responsible for their regulation. Fair Oak Landfill site is a closed landfill site and is permitted for the recovery, collection, treatment and flaring of landfill gases, the collection, recirculation, storage and treatment of landfill leachate, the utilisation of landfill gas for energy recovery along with the storage of fuels for the operation of plant. The gas engine, flare and methane stripping plant are located within a compound area c.55m south of the subject site with the actual landfill located beyond c. 95m south of the site. Filling has ceased across the landfill and the fill material is capped with a clay capping layer. There is active landfill gas and leachate management across the landfill. The landfill gas management includes the collection of landfill gases along with the control of the migration of landfill gases. The collected landfill gases are used to produce energy, if collected gas cannot be used to produce energy appropriate measures to flare or treat the landfill gas are utilised. A new methane stripping plant was installed (2021) to remove dissolved methane from leachate arising from the landfill so that it can be discharged into the sewer in line with trade effluent consent limits. Gas and groundwater monitoring boreholes are located external to the landfill across the site and are monitored routinely for the presence of landfill gases and contaminants associated with landfill leachate and the results are reported to the Environment Agency in-line with the Environmental Permit.

2.10 Historic Mapping

A review of historic mapping dating back to 1871 indicated that the site had remained open fields with hedgerow boundaries throughout the mapping period.

A number of sand pits were identified between 95m and 1000m from the site boundary generally located to the south and west of the site. These sand pits were shown to increase in size over the mapping period and subsequently become infilled with landfill wastes, as demonstrated by the historic landfill records in Section 2.9. A number of these sand pits/landfills have since been redeveloped for housing and industrial uses.

2.11 Radon

The BGS classify the site as being located within a low 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.

2.12 Previous Ground Investigations

Geo-Environmental undertook a preliminary intrusive investigation in April 2023 (report reference GE21215/GIRv2.1/NOV24) and a supplementary intrusive investigation in November 2024 (report reference GE22375/FG04/241120), pertinent findings of which are presented in following sections of this report.

2.13 Generic Contamination

The site's previous and current use is as agricultural land, primarily open fields. Elevated concentrations of contaminants of concern could potentially be present within any Made Ground and shallow natural soils underlying the site given the site's agricultural use. Whilst gross contamination is considered unlikely based on the information reviewed, it would be prudent to assume the presence of commonly occurring brownfield contaminants. Potential contaminants could include heavy metals, organic pollutants such as poly-aromatic hydrocarbons (PAH), inorganic compounds, asbestos, pesticides, and fertilisers.

Four former landfill sites are located within 500m of the site, located to the south and west of the site. It is understood that leachate management and gas extraction systems are present on one of these landfill sites, Fair Oak Landfill site. The potential for the migration of contaminants from this landfill would be reduced with the presence of these active leachate and gas management systems. However, it is understood that there are no management systems present on the three other landfill sites in close proximity to the site, Knowle Lane, Knowle Hill Lane and Hardings and Scotland Copse. As such, and due to the fact that leachate and gas management systems can be breached and/or turned off, there remains the potential for contaminants associated with these four landfill sites to migrate and impact the subject site. Potential contaminants associated with these landfills include heavy metals, organic pollutants such as poly-aromatic hydrocarbons (PAH), petroleum hydrocarbons/ oils, inorganic compounds, SVOC and VOCs, PCBs.

Although the potential sources of contamination have been identified by the Desk Study the likelihood of these potential sources affecting the entire mineral resource on site is low. Furthermore, no evidence of contamination or vegetation die-back was noted during intrusive works.

3.0 PLANNING STATUS OF THE SITE

A search was made on 08/01/25 of the registered planning applications on the Hampshire County Council website (ref: https://planning.hants.gov.uk/) no applications or decisions pertinent to the proposed development were found.

There were planning applications located within the vicinity of the site the majority of which related to the neighbouring 'Fair Oak Landfill' site in relation to the ongoing leachate management and gas flare management and relocation.

4.0 MINERAL POTENTIAL

The mineral potential of the site has been assessed on the basis of the encountered ground conditions.

A factual record of the conditions encountered during the physical investigations of the site are presented in the following sections.

The physical ground investigation works were undertaken in April 2023 and November 2024. The findings of the preliminary ground investigation were initially presented within the Ground Investigation Report (report ref. GE21215/GIRv2.1/NOV24) and the supplementary ground investigation within a Letter Report (report ref. GE22375/FG04/241120). Extracts are presented herein where relevant to this assessment.

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

4.1 Ground Conditions

The ground conditions encountered within the exploratory holes were broadly consistent with those anticipated, i.e. a mantle of Topsoil overlying London Clay Formation, soils characteristic of the Whitecliff Sand Member were not encountered within any of the exploratory holes, despite targeting of positions within the central portion of the site where this stratum was anticipated to be present. It should be noted that although some granular soils were encountered with the exploratory holes, based on composition, they were considered characteristic of the London Clay Formation.

It should be noted that Geo-Environmental has previously undertaken intrusive investigation works on neighbouring sites to the south and west and therefore has experience of the local Whitecliff Sand Member and its characteristics. In general, the local Whitecliff Sand comprises fine to medium sand either orange, yellow or light grey in colouration. The granular soils encountered on site were not in line with these previously encountered Whitecliff Sand soils as they included significant cohesive fractions.

A summary of the soil conditions encountered during the first ground investigation are presented in Table 4.1.

Top (m bgl)	Base (m bgl)	Geology	Positions
0	0.10 – 0.25	**TOPSOIL:** Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets.	All
0.10	1.10	**MADE GROUND:** Firm orange and grey very gravelly slightly sandy CLAY with frequent ironstone cobbles (reworked).	TP31
0.10 – 0.25	>25.00	**LONDON CLAY FORMATION (COHESIVE):** Soft to stiff orange and grey mottled CLAY with varying proportions of silt and/or sand. Firm orange brown CLAY with varying proportions of silt and/or sand. Firm to stiff orange and grey mottled slightly gravelly CLAY. Stiff orange and grey CLAY. Firm to stiff grey slightly silty CLAY. Stiff to very stiff dark grey CLAY with varying proportions of sand.	All
0.25 – 2.30	1.70 - 2.60	**LONDON CLAY FORMATION (GRANULAR):** Orange and grey mottled clayey fine SAND. Orange brown very clayey fine SAND with occasional bands of firm orange CLAY.	TP02, TP04, TP19, TP24, TP25, TP28, TP29

*TP14 was not excavated due to soft ground conditions

Table 4.1 Summary of Ground Conditions

Hand penetrometer testing was undertaken in the cohesive soils of the London Clay Formation within the trial pits. These results ranged from 0.9kg/cm^2 to 3.5kg/cm^2 (firm to very stiff).

For more detailed descriptions at specific locations, reference should be made to the exploratory hole logs

presented within Appendix B.

4.2 Groundwater

Groundwater was encountered within a number of exploratory holes during the intrusive investigation works as summarised in Tables 4.2 and 4.3 below.

Location	Depth to water (m bgl)	Depth to water (m AOD)
WS01	Struck at 3.00m	44.23
WS02	Struck at 3.80m	46.56
WS03	Struck at 3.00m	51.80
WS08	Struck at 4.00m	50.77
WS11	Struck at 2.00m	Unable to obtain ground level

Table 4.2 Water strike during investigation works (April 2023)

Location	Depth (m bgl)	Comment
TP01	2.60	Groundwater seepage in base of pit
TP03	2.50	Groundwater seepage in base of pit
TP04	2.50	Groundwater seepage in base of pit
TP05	2.40	Water seepage through sidewall at 2.4m bgl
TP06	2.10	Steady groundwater seepage in base of pit
TP07	1.70	Groundwater seepage in base of pit
TP08	2.60	Groundwater seepage in base of pit
TP09	2.20	Water seepage through sidewall at 2.2m bgl
TP11	2.50	Groundwater seepage in base of pit
TP13	2.50	Groundwater seepage in base of pit
TP15	2.50	Groundwater seepage in base of pit
TP16	2.50	Steady groundwater seepage in base of pit
TP17	2.40	Groundwater seepage in base of pit
TP18	2.50	Groundwater seepage in base of pit
TP19	2.20	Water seepage through sidewall at 2.2m bgl
TP20	2.50	Groundwater seepage in base of pit
TP22	2.20	Groundwater seepage in base of pit
TP24	2.50	Groundwater seepage in base of pit
TP25	2.50	Groundwater seepage in base of pit
TP26	2.00	Groundwater seepage in base of pit
TP27	1.80	Water seepage through sidewall at 1.80m bgl and in base of pit
TP28	2.50	Groundwater seepage in base of pit
TP31	2.30	Groundwater seepage in base of pit
TP32	2.50	Groundwater seepage in base of pit
TP33	2.50	Groundwater seepage in base of pit
TP35	2.50	Groundwater seepage in base of pit
TP36	2.10	Water seepage through sidewall at 2.10m bgl
TP37	2.10	Groundwater seepage in base of pit
TP38	2.50	Groundwater seepage in base of pit

Table 4.3 Summary of groundwater encountered within trial pits during investigation works (Nov 2024)

The groundwater encountered during the intrusive investigation works are assumed to be perched water trapped within the more granular layers of the London Clay Formation.

Groundwater monitoring wells were installed within all borehole locations, WS01-WS12 to a depth of between

3.00m and 5.00m bgl. Seven initial groundwater monitoring rounds were completed between December 2022 and April 2023, with a further six monitoring rounds completed between June and August 2023 with the results of the groundwater monitoring summarised in Tables 4.4 to 4.7 below.

Location	Groundwater depth (m bgl)									
	19/12/22*	09/01/23*	24/01/23*	08/02/23		21/02/23		06/03/23		11/04/23*
				Pre	Post	Pre	Post	Pre	Post	
WS01	0.50	0.45	0.58	0.73	0.83	0.95	1.07	1.03	-	0.89
WS02	0.62	0.36	0.14	0.14	0.39	0.40	0.65	0.49	0.80	0.72
WS03	0.60	0.18	0.36	0.82	0.89	1.23	-	1.55	-	0.48
WS04	0.60	0.30	0.27	1.00	-	0.68	2.51	1.48	-	0.73
WS05	0.13	0.16	0.38	0.58	1.87	1.20	-	0.70	3.91	0.24
WS06	0.14	0.14	0.10	0.85	2.68	0.70	1.29	1.46	-	0.28
WS07	0.22	0.18	0.35	0.62	0.68	0.36	1.01	0.77	2.66	0.25
WS08	0.14	0.14	At surface	0.00	0.53	1.01	-	0.80	1.66	0.66
WS09	0.66	0.25	0.24	0.61	2.71	0.67	3.09	0.64	4.15	0.40
WS10	0.21	At surface	At surface	0.01	0.15	0.02	0.05	0.06	0.48	0.42
WS11	0.46	0.41	0.39	0.42	2.54	0.76	3.68	0.76	4.12	0.79
WS12	0.05	0.28	0.34	0.46	2.02	0.53	3.02	0.44	3.63	0.28

*bailing of the monitoring wells was not undertaken on these visits

Table 4.4 Summary of initial groundwater depth monitoring results as m bgl (including pre- and post- bailing)

Location	Groundwater depth (m bgl)							
	16/06/23		23/06/23		10/07/23*	21/07/23*	04/08/23*	24/08/23*
	Pre	Post	Pre	Post				
WS01	1.31	-	1.45	-	1.84	1.92	2.08	2.14
WS02	1.03	-	1.01	-	1.18	1.14	1.14	1.05
WS03	1.95	-	2.13	-	2.41	2.42	2.59	2.59
WS04	2.04	-	1.13	-	1.53	2.30	2.32	2.32
WS05	1.13	-	1.21	-	1.45	1.57	1.64	1.75
WS06	1.71	-	1.83	-	2.10	2.14	1.98	1.86
WS07	1.04	-	1.11	-	1.32	1.42	1.56	1.46
WS08	1.28	-	1.36	-	1.57	1.67	1.32	1.04
WS09	1.36	-	1.46	-	1.81	1.87	1.94	2.10
WS10	0.51	0.87	0.71	0.88	1.04	1.06	0.63	0.54
WS11	0.84	3.96	0.92	4.01	1.10	1.07	0.98	0.90
WS12	0.97	3.86	1.07	-	1.24	1.32	1.36	1.37

*bailing of the monitoring wells was not undertaken on these visits

Table 4.5 Summary of further groundwater depth monitoring results as m bgl (including pre- and post- bailing)

Location	Groundwater depth (m AOD)									
	19/12/22*	09/01/23*	24/01/23*	08/02/23		21/02/23		06/03/23		11/04/23*
				Pre	Post	Pre	Post	Pre	Post	
WS01	46.73	46.78	46.65	46.50	46.40	46.28	46.16	46.20	-	46.34
WS02	49.74	50.00	50.22	50.22	49.97	49.96	49.71	49.87	49.56	49.64
WS03	54.20	54.62	54.44	53.98	53.91	53.57	-	53.25	-	54.32
WS04	42.24	42.54	42.57	41.84	-	42.16	40.33	41.36	-	42.11
WS05	Unable to obtain ground level with GPS									
WS06	44.91	44.91	44.95	44.20	42.37	44.35	43.76	43.59	-	44.77
WS07	49.69	49.73	49.56	49.29	49.23	49.55	48.90	49.14	47.25	49.66
WS08	54.63	54.63	54.77	54.77	54.24	53.76	-	53.97	53.11	54.11
WS09	56.03	56.44	56.45	56.08	53.98	56.02	53.60	56.05	52.54	56.29
WS10	57.87	58.08	58.08	58.07	57.93	58.06	58.03	58.02	57.60	57.66

Location	Groundwater depth (m AOD)									
	19/12/22*	09/01/23*	24/01/23*	08/02/23		21/02/23		06/03/23		11/04/23*
				Pre	Post	Pre	Post	Pre	Post	
WS11	Unable to obtain ground level with GPS									
WS12	59.49	59.26	59.20	59.08	57.52	59.01	56.52	59.10	55.91	59.26

*bailing of the monitoring wells was not undertaken on these visits

Table 4.6 Summary of initial groundwater depth monitoring results as m AOD (including pre- and post- bailing)

Location	Groundwater depth (m bgl)							
	16/06/23		23/06/23		10/07/23*	21/07/23*	04/08/23*	24/08/23*
	Pre	Post	Pre	Post				
WS01	45.924	-	45.784	-	45.394	45.314	45.154	45.094
WS02	49.339	-	49.359	-	49.189	49.229	49.229	49.319
WS03	52.856	-	52.676	-	52.396	52.389	52.216	52.216
WS04	40.805	-	41.715	-	41.315	40.545	40.525	40.525
WS05	Unable to obtain ground level with GPS							
WS06	43.348	-	43.228	-	42.958	42.918	43.078	43.198
WS07	48.874	-	48.804	-	48.594	48.494	48.354	48.454
WS08	53.491	-	53.411	-	53.201	53.101	53.451	53.731
WS09	55.339	-	55.239	-	54.889	54.829	54.759	54.599
WS10	57.576	57.216	57.376	57.206	57.046	57.026	57.456	57.546
WS11	Unable to obtain ground level with GPS							
WS12	58.573	55.683	58.473	-	58.303	58.223	58.183	58.173

*bailing of the monitoring wells was not undertaken on these visits

Table 4.7 Summary of further groundwater depth monitoring results as m AOD (including pre- and post- bailing)

It was not possible to obtain ground levels via GPS for WS05 and WS11 due to tree cover disrupting the GPS signal.

It is possible that groundwater could be present at differing depths over time, e.g. during or following prolonged wet periods, or as a result of seasonal variations.

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

4.3 Obstructions

A clay land drain was encountered within TP34 at 1.1m bgl. The presence of other clay land drains across the site should be expected. In addition, reworked ground containing ironstone cobbles was encountered within TP31 between 0.10m and 1.10m bgl. It is possible that reworked ground of a similar composition may be present elsewhere on the site.

Boreholes WS03, WS05, WS08 and WS10 experienced slumping within the encountered clays during construction which meant that the monitoring wells could not be installed to the full 5.00m depth proposed. As such, monitoring wells were installed to depths of between 3.00m and 5.00m bgl across the site.

Overhead electrical cables were located in the south-eastern portion of the site running in a northeast to southwest direction. No boreholes or trial pits were located under, or within 15m of these cables.

4.4 Geotechnical Testing

The results of the geotechnical testing undertaken as part of the supplementary ground investigation are summarised in Table 4.8, with test results presented in Appendix C.

Parameter		London Clay Formation	Number of tests
Natural Moisture Content (%)		23.2 – 35.7	16
Liquid Limit (%)		43 – 80	
Plastic Limit (%)		19 - 28	
Plasticity Indices (%)		23 – 53	
Modified Plasticity Indices (%)		22 – 53	
Particle Size Distribution Passing 425µm		85 - 100	
Particle Size Distribution (%)	Very Coarse	0	8
	Gravel	0 - 6	
	Sand	34 - 60	
	Silt	17 - 42	
	Clay	15 - 39	

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

Table 4.8 Summary of Geotechnical Laboratory Test Results

The Modified Plasticity Indices showed the cohesive samples of the London Clay Formation to be of Medium to High Volume Change Potential, as defined in BRE and NHBC guidance.

The Partial Size Distribution (PSD) laboratory testing demonstrates that tested soils comprised sands with an appreciable silt and/or clay component. Therefore, granular soils encountered on site included cohesive components.

4.5 Mineral Quality and Quantity

The HMWLP indicated that a portion of the site, i.e. the western central portion, was located in an area designated as a 'Mineral Safeguarding Area'. The *Hampshire mineral resources* map identified soft sand deposits present within this central western portion of the site, as such there could be potential for viable sands within the Whitecliff Sand Formation to be recovered from the site, should they be present.

The intrusive investigation undertaken to date has not established the presence of soils characteristic of the Whitecliff Sand Formation. Intrusive investigation targeted the area of the site, i.e. the central western portion, where the Whitecliff Sand Formation was mapped on BGS mapping on a grid basis. The majority of soils encountered beneath the site comprised clays with varying proportions of silt and/or sand and were considered characteristic of the London Clay Formation. These cohesive soils were encountered within all exploratory holes from a depth of 0.10m to the full extent of the investigation 25m bgl. Granular soils were only encountered within the following investigation locations, TP02, TP04, TP19, TP24, TP25, TP28 and TP29 between depths of 0.25m and 2.60m bgl. These granular soils were shown, by visual inspection and laboratory testing, to include appreciable cohesive elements, both clays and silts.

The presence of sand deposits is extremely limited across the site, such that producing a reliable estimate of the extent, depth and overall quantity of the resources would be difficult with the available information. Sand deposits were found to include clay and silt fractions and would therefore likely be classified as low quality. The cohesive clays of the London Clay Formation would be viewed as overburden/waste (in mineral resource terms) to be segregated from any usable deposits of sand. Granular deposits were only encountered to a maximum depth of 2.60m bgl, therefore any available mineral resource is limited in depth to a maximum of 2.60m bgl. Cohesive clay soils within the London Clay Formation were encountered within all exploratory holes across the site to a depth of greater than 25m bgl.

Whilst it might be possible to undertake extraction of the more granular deposits within the London Clay Formation by opencast (mass excavation) methods on this site, a sterile/no-dig buffer (assumed minimum 20m) would be required around the perimeter. A battered or stepped excavation profile would be required, and this would limit both the depth of excavation and volume which could be won from this site. Given that any anticipated

volume of granular deposits is considered to be very low and of low quality this would be substantial activity for negligible gain. In addition, segregating the sand fractions from the cohesive clays and silts would be very difficult and it is likely that much of the overall resource could be wasted during segregation.

It must also be noted that the more granular soils referred to above are part of the London Clay Formation and not the Whitecliff Sand Member, i.e. not the mineral reserves stratum identified in the HMWLP. The investigation has not encountered soils which are characteristic of the strata to which a potential mineral reserve has been applied and thus it is considered that the specific potential mineral reserve is either absent beneath the site, or of very limited extent such that it wasn't encountered during intrusive investigations.

Groundwater monitoring encountered groundwater from surface to 4.01m bgl with groundwater shallowest during the winter months. The feasibility of dewatering to the full potential extent of the mineral resource (2.60m bgl) is considered very unlikely and would comprise onerous recovery for little gain.

4.6 Opportunities for Prior Extraction

Current policy (Policy DM9) and guidance advocate the extraction of minerals prior to non-mineral development, where practicable, albeit with an acknowledgment that this approach needs to be flexible in application. The term 'practicable' relates not only to how prior extraction could be managed but also relates to the viability of mineral extraction and applies to post extraction reclamation such that this does not then prevent the non-mineral development taking place.

Whilst the HMWLP identifies the site as including a potential mineral resource for soft sand, fine sand suitable for use in such products as mortar, asphalt and plaster, this would relate to the sand soils of the Whitecliff Sand Formation. However, not all sands are suitable for use within such products, e.g. due to sub-ordinate content of clay or silt. Geotechnical laboratory testing has demonstrated that the limited 'sand' deposits encountered on site include clay (between 17% and 42%) and silt (between 15% and 39%) fractions. Therefore, sand deposits are likely to require significant treatment prior to use, which is likely to generate waste products (cohesive fractions). As noted above, these 'sand' deposits are not associated with the mineral reserve stratum indicated in the HMWLP.

The site is situated c.4.5 miles from the M27 providing good road connections across Hampshire. In addition, a freight rail hub is located in Eastleigh, c.4.0 miles from the site. However, lorry loads would be required to transfer the extracted material from the site to wagons for onward rail transfer. In addition, suitable backfill material would also need to be transported by lorry from the identified rail hub, or from multiple 'donor' sites. These lorry loads have the potential to cause significantly adverse impacts to the local communities and local road networks.

In backfilling the site following any mineral resource extraction, the engineering properties of the ground would be altered. This would potentially require changing any current foundation solution. The concrete requirements for this solution might also be more onerous, therefore increasing the carbon footprint and embodied carbon within the development, causing an adverse impact to the environment. In general terms, backfilled materials would not be considered geotechnically suitable as a foundation bearing stratum and thus, a deep foundation solution such as piled foundations might be required within areas of the site where extraction had occurred.

4.7 Opportunities for Incidental Extraction

Much like the opportunities for prior extraction, current policy and guidance advocate the incidental extraction of minerals during the non-mineral development, where practicable. Such incidental extractions may be possible during the groundworks and foundation excavation stage. Any excess materials excavated during the development could be placed on CL:AIRE's register of materials, following best practice.

However, as noted above, given the variability in composition of the strata encountered, any incidental extraction might require additional treatment or processing to generate a usable mineral resource such as a soft sand and is also likely to generate a significant 'waste' stream, i.e. soils with no mineral resource value.

Whilst not a soft sand mineral resource, the cohesive soils beneath the site would have potential, subject to acceptability and compliance testing, to be considered for use as earthworks fill principally within the site assuming a requirement for earthworks and secondly as a viable earthwork fill for other construction sites. This might then preserve mineral resources elsewhere.

5.0 OPINIONS OF LOCAL OPERATORS

Consultation was made with local operators with regards to the commercial interest and viability of the potential mineral deposits on the subject site.

Grundon Sand and Gravel Ltd, Raymond Brown Quarrying Products Ltd and Tarmac Trading Ltd were contacted on 07/01/2025. As yet they have not responded, and this may reflect a lack of commercial interest.

6.0 CONCLUSIONS

The intrusive investigation identified a limited presence of granular soils beneath the site. However, these granular soils have been shown to incorporate both silt and clay fractions, therefore any mineral quality is classified as low. The majority of soils encountered beneath the site comprised cohesive soils of the London Clay Formation, which are considered to have no/negligible mineral worth. The variable nature of the London Clay Formation, the presence of interbedded clays, silts and sands, along with the demonstrated limited presence of any granular soils complicate reliably estimating the volume of material which could be won by mass excavation; however, this volume is considered to be very low.

Moreover, the more granular soils encountered were within the London Clay Formation, not the Whitecliff Sand Member (which was not encountered) and thus the potential mineral reserve identified in the HMWLP was absent.

The granular deposits of the London Clay Formation are considered likely to represent a low value aggregate and competing with recycled materials, thus a less sustainable option than possible alternatives. To date, no response indicating a commercial interested or consideration of commercial viability has been received from consultation with local operators.

There could be potential for incidental extraction as part of a development of the site with any such soils won from development based excavation and construction work placed on CL:AIRE's register of materials, following best practice. Given the presence of interbedded clays, silts and sands within the London Clay Formation, incidental extraction is likely only to generate a mixed cohesive fill (likely to be cohesive assuming >35% clay fraction of the excavated soil mass). Given the absence of the Whitecliff Sand Member from the exploratory holes constructed on the site, it is considered that there is no potential to extract or win 'soft sand' as a mineral resource.

Incidental use of site won soils might be feasible if/where ground level raising is required, or for earthworks associated with future development of the site and re-use of site won soils could reduce or remove a requirement to import specific earthworks fill materials, thereby preserving other deposits/resources off-site whilst maximising the re-use potential of any on-site resource as a general earthwork fill rather than necessarily as an aggregate or other mineral resource.

FIGURES





Project:	Land South of Mortimers Lane, Fair Oak			**Title**	Site Location Plan
Client:	Bloor Homes Southern			**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:	GE22375	**Revision:**	0		
Drawn:	FG	**Date:**	19/06/2024		
Figure:	1	**Scale:**	Not To Scale		



Project:	Land South of Mortimers Lane			**Title**	Exploratory Hole Locations - Window Sampler Borehole
Client:	Bloor Homes Southern			**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:	GE22375	**Revision:**	0		
Drawn:	FG	**Date:**	20/12/2022		
Figure:	2a	**Scale:**	Not To Scale		



Project:	Land South of Mortimers Lane, Fair Oak			**Title**	Exploratory Hole Location Plan - Trial Pits and Cable Percussive Borehole
Client:	Bloor Homes Southern			**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:	GE22375	**Revision:**	0		
Drawn:	FG	**Date:**	20/11/2024		
Figure:	2b	**Scale:**	Not To Scale		

APPENDIX A

Desk Study Information



Geo-Environmental

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
304784389_1_1

Customer Reference:
GE21215

National Grid Reference:
450690, 118680

Slice:
A

Site Area (Ha):
10.97

Search Buffer (m):
1000

Site Details:

Site at 450680, 118690

Client Details:

Ms F Goode
Geo Environmental Services Ltd
Unit 7 Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL

Geo-Environmental

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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version 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 1		9	3	12
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 7		13		
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 11			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11		Yes		
Pollution Incidents to Controlled Waters	pg 11		1		
Prosecutions Relating to Authorised Processes	pg 11		2		
Registered Radioactive Substances					
River Quality	pg 11			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 11				5
Water Abstractions	pg 12			7	(*9)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 16		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 16		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 17		14	35	66

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 30		2		
Historical Landfill Sites	pg 30		3	1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 31		3		
Licensed Waste Management Facilities (Locations)	pg 32		4	1	
Local Authority Landfill Coverage		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 33			2	3
Potentially Infilled Land (Water)					
Registered Landfill Sites	pg 34		1	4	2
Registered Waste Transfer Sites	pg 38	1	1	1	
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
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 40	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 40	Yes			
BGS Recorded Mineral Sites	pg 40		3	2	1
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					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 41	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 41		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 41	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 41	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 41	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 43		6	13	9
Fuel Station Entries					
Points of Interest - Commercial Services	pg 45		2	5	1
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 46		12	1	4
Points of Interest - Public Infrastructure	pg 47		2	1	3
Points of Interest - Recreational and Environmental	pg 48				2
Gas Pipelines					
Underground Electrical Cables					

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 49			3	4
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 49	1			1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (N)	0	1	450695 118700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	146	1	450600 118350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8SE (S)	254	1	450800 118150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SW (SW)	283	1	450500 118250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8SE (S)	305	1	450700 118100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (S)	359	1	450700 118050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SE (S)	369	1	450695 118050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	372	1	450250 119100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SW (SW)	382	1	450400 118200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NE (S)	404	1	450700 118000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NW (S)	433	1	450650 118000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A3NW (S)	453	1	450600 118000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NW (S)	498	1	450600 117950
1	**Discharge Consents** Operator: Parsons Construction Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Proposed Development At Knowle Lane, Fair Oak, Eastleigh, Hampshire, So50 7dz Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: Npswqd009192 Permit Version: 1 Effective Date: 11th September 2009 Issued Date: 11th September 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Ditch Leading To Ford Lake **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	A8NW (SW)	1	2	450557 118559

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Hampshire C.C. Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Hampshire C C , Knowle Ln Recycling Ctr, FAIR OAK , Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00380 Permit Version: 1 Effective Date: 11th March 1986 Issued Date: 11th March 1986 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	125	2	450400 118540
3	**Discharge Consents** Operator: Bskyb Ltd. Property Type: MAKING OF COMPUTERS/ELECTRONICS/OPTICAL PRODUCTS Location: Disaster Recovery Facility, Knowle Lane, Fair Oak, Eastleigh, Hampshire, So50 7dz Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09911 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: 20th June 2018 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Revoked under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	131	2	450480 118450
3	**Discharge Consents** Operator: Bskyb Ltd. Property Type: MAKING OF COMPUTERS/ELECTRONICS/OPTICAL PRODUCTS Location: Disaster Recovery Facility, Knowle Lane, Fair Oak, Eastleigh, Hampshire, So50 7dz Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09911 Permit Version: 1 Effective Date: 22nd June 2001 Issued Date: 22nd June 2001 Revocation Date: 20th December 2012 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	131	2	450480 118450
3	**Discharge Consents** Operator: Bskyb Ltd. Property Type: MAKING OF COMPUTERS/ELECTRONICS/OPTICAL PRODUCTS Location: Disaster Recovery Facility, Knowle Lane, Fair Oak, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09912 Permit Version: 1 Effective Date: 22nd June 2001 Issued Date: 22nd June 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	131	2	450480 118450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Mr Kevin Cooper Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: New House, Pembers Hill Farm, Mortimers Lane, Fair Oak, Eastleigh, Hampshire, So50 7ea Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: G01250 Permit Version: 1 Effective Date: 1st September 2007 Issued Date: 20th August 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Drainage Ditch **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	A13SW (NW)	137	2	450435 118890
4	**Discharge Consents** Operator: Mr Kevin Cooper Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: New House, Pembers Hill Farm, Mortimers Lane, Fair Oak, Eastleigh, Hampshire, So50 7ea Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: G01250 Permit Version: 1 Effective Date: 1st September 2007 Issued Date: 20th August 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Unnamed Drainage Ditch **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	A13SW (NW)	150	2	450423 118896
5	**Discharge Consents** Operator: Veolia Es Hampshire Ltd Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Fairoak Household Waste.., ..Recylcing Centre, Knowle Lane, Fair Oak, Hants Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09129 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: Into Land **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	244	2	450350 118400
5	**Discharge Consents** Operator: Hopkins Recycling Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Fairoak Household Waste.., ..Recylcing Centre, Knowle Lane, Fair Oak, Hants Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09129 Permit Version: 1 Effective Date: 12th September 2000 Issued Date: 12th September 2000 Revocation Date: 20th December 2012 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	244	2	450350 118400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Messrs E & R Bastian Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: East Horton Farm, Mortimers Lane, Fair Oak, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: P04231 Permit Version: 1 Effective Date: 20th July 1992 Issued Date: 20th July 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	255	2	450800 118150
7	**Discharge Consents** Operator: Mr J White Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Plot 4, Deer Park Farm, Fair Oak Plot 4, Deer Park Farm, Fair Oak, Eastleigh, Hampshire, So50 7dz Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: G00971 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	A7SE (SW)	375	2	450338 118247
7	**Discharge Consents** Operator: Mr J White Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Plot 4, Deer Park Farm, Fair Oak Plot 4, Deer Park Farm, Fair Oak, Eastleigh, Hampshire, So50 7dz Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: G00971 Permit Version: 1 Effective Date: 9th November 2006 Issued Date: 9th November 2006 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	A7SE (SW)	375	2	450338 118247
8	**Discharge Consents** Operator: Sita Uk Ltd Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Fair Oak Quarry, East Horton Farm, Mortimers Lane, Fair Oak Authority: Environment Agency, Southern Region Catchment Area: Hamble Reference: P05701 Permit Version: 2 Effective Date: 18th July 1995 Issued Date: 18th July 1995 Revocation Date: 7th August 2012 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: Ford Lake **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A3NW (S)	541	2	450510 117950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: S Grundon (Ewelme) Ltd Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Fair Oak Quarry, East Horton Farm, Mortimers Lane, Fair Oak Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P05701 Permit Version: 1 Effective Date: 20th April 1995 Issued Date: 20th April 1995 Revocation Date: 18th July 1995 Discharge Type: Trade Effluent Discharge-Site Drainage 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	A3NW (S)	541	2	450510 117950
9	**Discharge Consents** Operator: Mr Whalley Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Hall Lands House, Hall Lands Lane, Fair Oak, Hampshire, So50 7ef Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09416 Permit Version: 1 Effective Date: 20th April 2001 Issued Date: 20th April 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	560	2	450090 119200
10	**Discharge Consents** Operator: Winchester City Council Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Scotland Copse S.T.W., Fair Oak Hants Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H00524 Permit Version: 1 Effective Date: 13th July 1962 Issued Date: 13th July 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 100m	A7NW (W)	621	2	449900 118600
11	**Discharge Consents** Operator: Milbury Homes Limited Property Type: Undefined Or Other Location: Oak Gardens, Fair Oak, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: N01094 Permit Version: 1 Effective Date: 12th August 1983 Issued Date: 12th August 1983 Revocation Date: 4th November 1992 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	A6NE (W)	870	2	449650 118550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Discharge Consents** Operator: J.B.Pitters Esq. Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: J.B.Pitters Esq., Hawthorn Farm, Mortimers Lane , Lower Upham Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00070 Permit Version: 1 Effective Date: 25th June 1985 Issued Date: 25th June 1985 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14NE (NE)	899	2	451560 119340
13	**Discharge Consents** Operator: Milbury Homes Limited Property Type: Undefined Or Other Location: Oak Gardens, Fair Oak, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: N01094 Permit Version: 1 Effective Date: 12th August 1983 Issued Date: 12th August 1983 Revocation Date: 4th November 1992 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	A6NE (W)	920	2	449600 118550
13	**Discharge Consents** Operator: Millbrook Homes Plc Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Mortimers Garage Site, Mortimers Lane, Fair Oak , Eastleigh Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02206 Permit Version: 1 Effective Date: 8th March 1989 Issued Date: 8th March 1989 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 100m	A6NE (W)	941	2	449580 118530
13	**Discharge Consents** Operator: Milbury Homes Limited Property Type: Undefined Or Other Location: Oak Gardens, Fair Oak, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: N01094 Permit Version: 1 Effective Date: 12th August 1983 Issued Date: 12th August 1983 Revocation Date: 4th November 1992 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	A6NE (W)	970	2	449550 118550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Discharge Consents** Operator: Millbrook Homes Plc Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Mortimers Garage Site, Mortimers Lane, Fair Oak , Eastleigh Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P02206 Permit Version: 1 Effective Date: 8th March 1989 Issued Date: 8th March 1989 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	A6NE (W)	981	2	449540 118530
14	**Discharge Consents** Operator: Mrs L A Ward Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Broke Cottage, Durley Hall Lane, Durley, Southampton, Hampshire, So32 2an Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P06123 Permit Version: 1 Effective Date: 11th July 1996 Issued Date: 11th July 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A10SW (SE)	956	2	451750 118240
15	**Discharge Consents** Operator: William Hill & Gillian Bennett Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 2 Lowhill Farm Cottages, Stp Portsmouth Road, Fishers Pond, Eastleigh, Hants, So50 7hf Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Npswqd008319 Permit Version: 1 Effective Date: 30th July 2009 Issued Date: 30th July 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Tributary Of Bow Lake **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	A18NW (N)	996	2	450442 119927
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: YP3037AJ Original Permit Ref: Bk1244ia Effective Date: 30th July 2015 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (S)	98	2	450666 118378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: FP3435AG Original Permit Ref: Bk1244ia Effective Date: 28th May 2015 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8NW (S)	98	2	450666 118378
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: CP3137EX Original Permit Ref: Bk1244ia Effective Date: 23rd April 2014 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (S)	98	2	450666 118378
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: BP3133NX Original Permit Ref: Bk1244ia Effective Date: 24th May 2013 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (S)	98	2	450666 118378
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: AP3637LY Original Permit Ref: Bk1244ia Effective Date: 2nd April 2008 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (S)	98	2	450666 118378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: RP3837SB Original Permit Ref: Bk1244ia Effective Date: 30th January 2006 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8NW (S)	98	2	450666 118378
16	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: BK1244IA Original Permit Ref: Bk1244ia Effective Date: 15th July 2002 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (S)	98	2	450666 118378
17	**Integrated Pollution Prevention And Control** Name: Suez Recycling & Recovery Southern Ltd Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: MP3104BM Original Permit Ref: Bk1244ia Effective Date: 26th May 2021 **Status:** **Effective** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8SE (S)	148	2	450770 118260
17	**Integrated Pollution Prevention And Control** Name: Suez Recycling & Recovery Southern Ltd Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: TP3532JS Original Permit Ref: Bk1244ia Effective Date: 2nd February 2018 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8SE (S)	148	2	450770 118260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Integrated Pollution Prevention And Control** Name: Shukco 348 Ltd Location: Fair Oak Landfill Epr/Bk1244ia, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: GP3435DF Original Permit Ref: Bk1244ia Effective Date: 30th June 2016 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8SE (S)	148	2	450770 118260
18	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill, Off Mortimers Lane, Fair Oak, Eastleigh, Hampshire, So50 7ea Authority: Environment Agency, Southern Region Permit Reference: Rp3837sb Original Permit Ref: Bk1244ia Effective Date: 30th January 2006 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Manually positioned to the address or location Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (SW)	163	2	450501 118400
18	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill, Off Mortimers Lane, Fair Oak, Eastleigh, Hampshire, SO50 7EA Authority: Environment Agency, Southern Region Permit Reference: Bk1244ia Original Permit Ref: Bk1244ia Effective Date: 15th July 2002 **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) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A8NW (SW)	163	2	450500 118400
19	**Integrated Pollution Prevention And Control** Name: Sita Southern Limited Location: Fair Oak Landfill, Off Mortimers Lane, Fair Oak,, EASTLEIGH, Hampshire, SO50 7EA Authority: Environment Agency, Southern Region Permit Reference: AP3637LY Original Permit Ref: Bk1244ia Effective Date: 2nd April 2008 **Status:** **Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A13SE (NE)	202	2	450897 118984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Local Authority Pollution Prevention and Controls** Name: Tarmac Topmix Ltd Location: Fair Oak Sandpit, Mortimers Lane, EASTLEIGH, Hampshire, SO50 7EA Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: Cbp1b Dated: 21st January 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A8SW (SW)	361	3	450471 118177
	Nearest Surface Water Feature	A13SE (E)	5	-	450866 118742
21	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: East Horton Golf Club Authority: Environment Agency, Southern Region Pollutant: Sewage - Septic Tank Effluent Note: Sewage Discharging Into Stream Incident Date: 19th March 1993 Incident Reference: 554 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Sewage - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	205	2	450800 118200
22	**Prosecutions Relating to Authorised Processes** Location: Fair Oak Landfill Site, Off Mortimer Lane, East Horton Farm, Eastleigh, So50 7dz Prosecution Text: Allowing strong gas odours to escape a landfill and affect residential areas Prosecution Act: Epa90 S56 Hearing Date: 3rd May 2005 Verdict: Guilty Fine: 10000 Costs: 1500 Positional Accuracy: Manually positioned within the geographical locality	A8NW (S)	58	2	450612 118447
22	**Prosecutions Relating to Authorised Processes** Location: Fair Oak Landfill, Fair Oak, Hampshire Prosecution Text: A failing flare led to gas escaping the landfill and permeating the air Prosecution Act: Epa90 S32(1)(B) Hearing Date: 9th September 2004 Verdict: Guilty Fine: 30000 Costs: 2013 Positional Accuracy: Manually positioned to the address or location	A8NW (S)	85	2	450591 118429
	River Quality Name: Horton Heath Strm GQA Grade: River Quality B Reach: Hamble Conf - Lower Upham Estimated Distance (km): 8.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A9NW (SE)	256	2	451091 118449
23	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 9th July 2003 Incident Reference: 172378 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Landfill Odour	A7SE (SW)	510	2	450323 118098
24	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 16th May 2004 Incident Reference: 237116 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Landfill Odour	A7SE (SW)	553	2	450273 118080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 19th May 2004 Incident Reference: 238142 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Landfill Odour	A7SE (SW)	557	2	450276 118074
24	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 29th July 2006 Incident Reference: 422497 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Landfill Odour	A7SE (SW)	566	2	450264 118070
24	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 13th March 2003 Incident Reference: 142756 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Landfill Odour	A7SE (SW)	566	2	450264 118070
25	**Water Abstractions** Operator: East Horton Golf Centre Ltd Licence Number: 30/050 Permit Version: 101 Location: Point A At East Horton Farm Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Boldly Outlined On Licence Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 12th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	255	2	450800 118150
25	**Water Abstractions** Operator: E & R Bastian T/A East Horto Licence Number: 25.1/67 Permit Version: Not Supplied Location: Berrywood Farm, Bubb Lane, West End, SOUTHAMPTON, Hants, SO30 3HL Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 126 Yearly Rate (m3): 9091 Details: Hamble Tributary Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	260	2	450800 118145
25	**Water Abstractions** Operator: East Horton Golf Centre Ltd Licence Number: 30/050/R01 Permit Version: 1 Location: Point A At East Horton Farm Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East Horton Golf Centre, Eastleigh Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	262	2	450803 118143

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Water Abstractions** Operator: East Horton Golf Centre Ltd Licence Number: 30/054 Permit Version: 1 Location: East Horton Farm, Fair Oak Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface 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: 12th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	305	2	450800 118100
25	**Water Abstractions** Operator: East Horton Golf Centre Ltd Licence Number: 31/088ca Permit Version: 101 Location: East Horton Farm, Fair Oak Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 88 Yearly Rate (m3): 9000 Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	305	2	450800 118100
25	**Water Abstractions** Operator: East Horton Golf Centre Ltd Licence Number: 25.1/66 Permit Version: Not Supplied Location: Tributary Of Hamble, East Horton Golf Centre Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 88 Yearly Rate (m3): 9000 Details: Licence Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	305	2	450800 118100
26	**Water Abstractions** Operator: East Horton Golf Centre Ltd Licence Number: 30/054 Permit Version: 2 Location: East Horton Farm, Fair Oak Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Fairoak, Hampshire Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 19th December 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	402	2	450949 118030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: S P Kelly Licence Number: 22.9/107A Permit Version: Not Supplied Location: Low Hill Farm, Fishers Pond Authority: Environment Agency, Southern Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): 500 Details: Additional Purpose: Domestic Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1230	2	450335 120145
	Water Abstractions Operator: S P Kelly Licence Number: 22.9/107 Permit Version: Not Supplied Location: Low Hill Farm, Fishers Pond Authority: Environment Agency, Southern Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): 500 Details: H5 Chalk Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1232	2	450330 120145
	Water Abstractions Operator: S P Kelly Licence Number: 11/42/22.9/107 Permit Version: 100 Location: Lowhill Farm, Fishers Pond Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic 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: 15th April 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1236	2	450330 120150
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 11/42/25.2/50 Permit Version: 102 Location: Lower Upham 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	A10NE (E)	1497	2	452350 118620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 11/42/25.2/50 Permit Version: 103 Location: Lower Upham 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NE (E)	1508	2	452360 118607
	Water Abstractions Operator: N J Emery Esq Licence Number: 11/42/22.9/109 Permit Version: 100 Location: Thistle Ridge Farm, Fishers Pond Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic 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: 23rd December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1639	2	451260 120480
	Water Abstractions Operator: Fishers Pond Ltd Licence Number: So/042/0031/007 Permit Version: 1 Location: Point A, Marwell Manor Farm, Fishers Pond Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bodly Outlined Authorised Start: 01 November Authorised End: 30 April Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1803	2	450410 120740
	Water Abstractions Operator: Mr J F Paton Licence Number: 31/100 Permit Version: 2 Location: Point A, Marwell Manor Farm, Fishers Pond Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bodly Outlined Authorised Start: 01 November Authorised End: 30 April Permit Start Date: 12th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1803	2	450410 120740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: V W Hill & Sons Licence Number: 22.9/162 Permit Version: Not Supplied Location: Lower Wangfield Farm Authority: Environment Agency, Southern Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Bow Lake Stream Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1871	2	450110 120750
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (SE)	0	4	450695 118680
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A8NE (S)	0	4	450694 118679
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A8NE (S)	0	4	450694 118679
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	4	450695 118680
	Superficial Aquifer Designations No Data Available				
	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	A8SE (SE)	126	2	450880 118305
	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	A8SE (SE)	136	2	450890 118300
	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
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 111.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NE (E)	27	5	450876 118662
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	79	5	450794 118326
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	84	5	450802 118321
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	88	5	450810 118317
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NE (E)	139	5	450990 118653
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 233.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (SE)	154	5	450921 118303
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NE (E)	173	5	451007 118598
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (SE)	177	5	450894 118252
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NE (E)	191	5	451019 118556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	223	5	451046 118470
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 146.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	224	5	451047 118468
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A13NW (NW)	226	5	450380 119035
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A13NW (NW)	236	5	450370 119036
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A13NW (NW)	239	5	450367 119037
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12NE (NW)	255	5	450345 119024
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	257	5	450819 118148
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 465.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	257	5	450819 118148
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12NE (NW)	262	5	450336 119020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 354.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NE (W)	270	5	450259 118678
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12NE (NW)	275	5	450331 119043
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (NE)	276	5	451050 118978
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12NE (NW)	279	5	450318 119018
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	285	5	450840 118122
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	286	5	450845 118121
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	286	5	450845 118121
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	288	5	450849 118120
53	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 35.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	288	5	450851 118120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 178.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9SW (SE)	296	5	451089 118328
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (NE)	306	5	451089 118979
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	306	5	450288 119008
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	308	5	450284 119002
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (NE)	309	5	451094 118979
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	313	5	450280 119003
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.4 Watercourse Level: On ground surface Permanent: False Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	315	5	450277 119002
61	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	324	5	450867 118086
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8SE (S)	348	5	450885 118066

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	349	5	450239 118986
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (NE)	350	5	451145 118978
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (NE)	353	5	451149 118978
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	381	5	450211 119005
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	382	5	450209 119007
68	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	391	5	450199 118998
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A14SW (NE)	396	5	451228 118915
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 264.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SE (NW)	404	5	450184 118990
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (NE)	413	5	451219 118976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	429	5	451245 118406
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 87.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	430	5	451246 118402
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 245.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (E)	466	5	451291 118477
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 84.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (E)	466	5	451291 118477
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 389.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (E)	504	5	451360 118707
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 369.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SW (E)	504	5	451360 118707
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A18SE (NE)	528	5	450995 119364
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 309.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NE (E)	546	5	451370 118461
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	578	5	451365 119054

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	580	5	449940 118565
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	582	5	451373 119048
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (NE)	589	5	451291 119179
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 105.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (NE)	589	5	451294 119175
85	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SW (W)	591	5	449964 118857
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 175.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (NE)	592	5	451278 119196
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12SW (W)	593	5	449961 118854
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	599	5	449921 118564
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NW (NE)	600	5	451362 119103

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	603	5	449917 118559
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	605	5	451408 119028
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 2	A14NE (NE)	618	5	451407 119062
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 135.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	639	5	449882 118563
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 846.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A3NW (S)	641	5	450465 117861
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 184.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A3NW (S)	641	5	450406 117882
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 71.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A19SW (NE)	659	5	451176 119366
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A2NE (SW)	670	5	450291 117924
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A2NE (SW)	674	5	450278 117929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A19SW (NE)	675	5	451171 119396
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	677	5	451479 119046
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 186.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	678	5	451462 119084
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 333.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A19SW (NE)	680	5	451216 119359
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	683	5	451502 119003
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	683	5	451503 119001
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14SE (E)	688	5	451514 118981
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	688	5	449840 118678
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	689	5	449836 118649

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 145.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9SE (SE)	692	5	451493 118300
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	695	5	449829 118645
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	701	5	449823 118641
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 611.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A12NW (NW)	725	5	449956 119301
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	726	5	449796 118627
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	734	5	449787 118622
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	747	5	449774 118613
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NE (E)	760	5	451602 118543
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	761	5	449759 118598

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 313.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NE (E)	766	5	451608 118544
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 87.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A7NW (W)	772	5	449748 118554
119	**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: Itchen Primacy: 1	A7NW (W)	830	5	449691 118545
120	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 132.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	842	5	451571 119225
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A18NW (N)	842	5	450668 119796
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 158.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A4SW (S)	842	5	451116 117623
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (E)	845	5	451662 119035
124	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 37.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A18NW (N)	850	5	450642 119804
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 366.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A18NW (N)	862	5	450606 119814

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A6NE (W)	883	5	449637 118561
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A6NE (W)	884	5	449637 118559
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 183.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A6NE (W)	885	5	449635 118558
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A11SE (W)	902	5	449644 118834
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A2NW (SW)	917	5	449927 117875
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 357.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A4NE (SE)	919	5	451387 117694
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A19SW (NE)	939	5	451249 119687
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A3SE (S)	939	5	450913 117472
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 169.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A19SW (NE)	939	5	451249 119687

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A11SE (W)	944	5	449598 118821
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15NW (E)	944	5	451753 119074
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 170.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A15NW (E)	950	5	451758 119077
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A14NE (NE)	960	5	451647 119325
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 683.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A17NE (N)	989	5	450246 119869
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 209.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A17NE (N)	990	5	450250 119871
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 110.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A4SW (S)	990	5	451126 117469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	**BGS Recorded Landfill Sites** Site Name: Knowle Lane Location: FAIR OAK, Hants Authority: British Geological Survey, National Geoscience Information Service Ground Water: No threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A8NW (SW)	70	-	450511 118499
143	**BGS Recorded Landfill Sites** Site Name: Knowle Hill Lane Location: FAIR OAK, Hampshire Authority: British Geological Survey, National Geoscience Information Service Ground Water: No threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A13SW (W)	109	-	450418 118691
144	**Historical Landfill Sites** Licence Holder: M J Passingham Limited Location: Fair Oak, Hampshire Name: Knowle Lane Operator Location: Hope Cottage, Fair Oak, Hampshire Boundary Accuracy: As Supplied Provider Reference: EAHLD20490 First Input Date: 6th January 1972 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9203 BGS Ref: 1494 Other Ref: FEA4, 9/6	A8NW (SW)	7	2	450574 118540
145	**Historical Landfill Sites** Licence Holder: Winchester Rural District Council Location: Fair Oak, Hampshire Name: Knowlehill Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20505 First Input Date: 26th July 1966 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9206 BGS Ref: 307 Other Ref: FEA19, EAST 6	A13SW (W)	107	2	450422 118699
146	**Historical Landfill Sites** Licence Holder: Sunny Bank Tipping Limited Location: Hardings Copse and Scotland Copse, Fair Oak, Hampshire Name: Hardings Copse and Scotland Copse Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20489 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 9/5, FEA5, FEA3, FEA1, 9/1	A12SE (W)	184	2	450348 118691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	**Historical Landfill Sites** Licence Holder: Sunny Bank Tipping Limited Location: Mortimers Lane, Fair Oak, Eastleigh, Hampshire Name: Scotland Copse Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20487 First Input Date: 11th February 1977 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9001 BGS Ref: Not Supplied Other Ref: 9/1	A7NE (SW)	395	2	450155 118425
148	**Historical Landfill Sites** Licence Holder: Sunnybank Sand Limited Location: Botley Road, Fair Oak, Hampshire Name: Sunny Bank Sand and Tipping Limited Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20494 First Input Date: 8th August 1985 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9015 BGS Ref: Not Supplied Other Ref: 9/15A, FEA8	A7SW (SW)	717	2	449871 118272
149	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Fair Oak Landfill Site Licence Number: 10219 Location: Off Mortimers Lane, East Horton, Fair Oak, Hampshire Licence Holder: Sita Southern Limited Authority: Environment Agency - Southern Region, Hampshire and Isle of Wight Area Office Site Category: Other Landfill Sites Taking Special Waste Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year) **Licence Status: Inactive** Issued: 2nd May 2001 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NW (SW)	51	2	450583 118468
150	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Fair Oak Landfill Site Licence Number: 10219 Location: Off Mortimers Lane, East Horton, Fair Oak, Hampshire Licence Holder: Sita Southern Limited Authority: Environment Agency - Southern Region, Hampshire and Isle of Wight Area Office Site Category: Other Landfill Sites Taking Special Waste Max Input Rate: Not Supplied **Licence Status: Inactive** Issued: 2nd May 2001 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NW (SW)	51	2	450583 118468
151	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Fair Oak Landfill Epr/Bk1244ia Licence Number: 0 Location: OFF MORTIMERS LANE, FAIR OAK, EASTLEIGH, HAMPSHIRE, SO50 7EA Licence Holder: Suez Recycling & Recovery Southern Ltd Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied **Licence Status: Effective** Issued: 26th May 2021 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NW (SW)	55	2	450582 118465

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	**Licensed Waste Management Facilities (Locations)** Licence Number: 104656 Location: Knowle Ind Est, Knowle Lane, Fair Oak, Hampshire, SO50 7DZ Operator Name: Parsons Construction Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Use of waste in a deposit for recovery op **Licence Status: Surrendered** Issued: 27th January 2014 Last Modified: 1st June 2017 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 19th February 2018 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	77	2	450445 118559
153	**Licensed Waste Management Facilities (Locations)** Licence Number: 402537 Location: Fair Oak Landfill Site, Mortimers Lane, Fair Oak, East Horton, Hampshire, SO50 7EA Operator Name: Suez Recycling & Recovery Southern Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Landfill Gas Engine (<3 mW) **Licence Status: To PPC** Issued: 28th May 2015 Last Modified: 2nd February 2018 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	148	2	450770 118260
154	**Licensed Waste Management Facilities (Locations)** Licence Number: 19918 Location: Fair Oak H W R C, Knowle Lane, Fair Oak, Hampshire, SO50 7DZ Operator Name: Veolia E S Hampshire Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household Waste Amenity Sites **Licence Status: Transferred** Issued: 1st July 1993 Last Modified: 11th March 2015 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	177	2	450388 118457
155	**Licensed Waste Management Facilities (Locations)** Licence Number: 19932 Location: 79 Mortimers Lane, Fair Oak, Eastleigh, Hampshire, SO50 7BT Operator Name: R & R Contractors Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Issued** Issued: 16th June 1994 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	A13SW (W)	179	2	450372 118797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	**Licensed Waste Management Facilities (Locations)** Licence Number: 10219 Location: Off Mortimers Lane, East Horton, Fair Oak, Hampshire Operator Name: Sita Southern Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Other Landfill Sites Taking Special Waste **Licence Status: To PPC** Issued: 2nd May 2001 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: BK1244IA Positional Accuracy: Approximate location provided by supplier	A8SW (S)	326	2	450500 118200
	Local Authority Landfill Coverage Name: Eastleigh Borough Council - Has no landfill data to supply		0	6	450695 118680
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	450695 118680
	Local Authority Landfill Coverage Name: Winchester City Council - Has supplied landfill data		155	8	450919 118302
157	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A3NE (S)	487	-	450899 117927
158	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A3NE (S)	493	-	450933 117928
159	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A7NW (W)	535	-	450000 118450
160	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A3NE (S)	563	-	450895 117849
161	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A4NW (SE)	806	-	451169 117686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	**Registered Landfill Sites** Licence Holder: M J Passingham Ltd Licence Reference: 9/ 6 Site Location: Knowle Land Sand Pit, Fair Oak, Hampshire Licence Easting: 450450 Licence Northing: 118500 Operator Location: Cintra, Botley Road. Horton Heath, Eastleigh, 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: 13th April 1978 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: Excavated Natural Materials $ Hardcore And Rubble Sand Prohibited Waste: Contaminated Rubble Notifiable Wastes Poisonous, Noxious, Polluting Wastes Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval: Waste N.O.S	A8NW (SW)	102	2	450450 118500
163	**Registered Landfill Sites** Licence Holder: Hampshire C.C. Licence Reference: 9/ 2? Site Location: Knowle Lane, Fair Oak, Hampshire Licence Easting: 450300 Licence Northing: 118400 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: 1st May 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: Old Licence - Wastes Not To Hand	A7NE (SW)	281	2	450300 118400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	**Registered Landfill Sites** Licence Holder: Sunny Bank Tipping Ltd Licence Reference: 9/ 5 Site Location: Hardings/Scotlands Copse, Fair Oak, Hampshire Licence Easting: 450200 Licence Northing: 118550 Operator Location: Botley Road, Fair Oak, Eastleigh, 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: 1st March 1978 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: Construction And Demolition Wastes; Excavated Natural Materials $; Hardcore And Rubble; Inert Waste; Non-Haz, Non-Toxic Waste; Sand; Water Soluble/Soluble Waste Prohibited Waste: Biodegradable/Putrescible Waste; Contaminated Rubble; Liquid Wastes; Notifiable Wastes Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval: Waste N.O.S	A7NE (W)	321	2	450200 118550
164	**Registered Landfill Sites** Licence Holder: Sunny Bank Tipping Ltd Licence Reference: 9/ 1 Site Location: Scotland Copse, Mortimer Lane, Fair Oak, Hampshire Licence Easting: 450200 Licence Northing: 118500 Operator Location: Botley Road, Fair Oak, Eastleigh, 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: 11th February 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: Construction And Demolition Wastes; Excavated Natural Materials $; Hardcore And Rubble; Inert Waste; Non-Haz, Non-Toxic Waste; Water Soluble/Soluble Waste Prohibited Waste: Biodegradable/Putrescible Waste; Contaminated Rubble; Liquid Wastes; Notifiable Wastes; Poisonous, Noxious, Polluting Wastes Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval: Waste N.O.S	A7NE (W)	329	2	450200 118500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	**Registered Landfill Sites** Licence Holder: A & J Bull (Southern) Ltd Licence Reference: EAWML10219 Site Location: Fair Oak Landfill Site, off Mortimers Lane, East Horton, FAIR OAK, Hampshire, SO50 7EA Licence Easting: 450500 Licence Northing: 118200 Operator Location: 4 London Wall Buildings, Blomfield Street, LONDON, Greater London, EC2M 5UQ Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Landfill 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 Status: Site not yet started Dated: 2nd May 2001 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: Asbestos Bearing Waste Contaminated Soils 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) Degradable Industrial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.03) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Maximum Waste Permitted By Licence Special Waste - Comprising Prohibited Waste: Dust Producing Waste Liquid / Wet Wastes Material With Any Haz.Code (H1, H2, H3a,H3b,H4,H5,H6,H7,H8,H9,H10,H11,H12,H13,H14) Odour Producing Waste Other Waste / Waste Not Otherwise Specified Waste Containing/Consisting Of List I Substances In Eec Directive 80/68/Eec Waste Containing/Consisting Of List Ii Substances In Eec Directive 80/68/Eec Waste In Drums	A8SW (S)	326	2	450500 118200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Registered Landfill Sites				
166	Licence Holder: Sunnybank Sand & Tipping Licence Reference: 9/ 15a Site Location: Botley Road, Fair Oak, Hampshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address 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: 31st July 1981 Preceded By Licence: Not Given Superseded By Licence: 9/ 15c Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Ceramic Waste Construction And Demolition Wastes Cork Empty Used Containers Excavated Natural Materials $ Glass/Cullet Mud Other Resins And Polymeric Materials Paper/Cardboard Waste Polymeric Material, Products/Scrap Pottery Making Waste Sawdust/Bark Scrap Rubber (Including Tyres) Wood Waste/Timber Prohibited Waste: Asbestos Contaminated Rubble Hazardous Wastes Liquid Wastes Poisonous, Noxious, Polluting Wastes Sludge Wastes Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval: Waste N.O.S	A7SW (SW)	729	2	449876 118233

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Registered Landfill Sites				
167	Licence Holder: Sunnybank Sand & Tipping Licence Reference: 9/ 15c Site Location: Sunnybank Sand Ltd, Botley Road, Fair Oak, Hampshire Licence Easting: 449800 Licence Northing: 118200 Operator Location: As Site Address 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: 25th November 1985 Preceded By Licence: 9/ 15a Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Amenity Waste From W.D.A. Ceramics Clays Construction And Demolition Wastes Cork Cullet Empty Containers Enamels Incinerator Residues From W.D.A. Mud Paper/Cardboard/Packaging Polyethyulene Pottery,China Prods Of Complete Polymerisation Sand,Chalk,Gravel & Nat.Earth Spoils Sawdust Solid Rubber Including Tyres Wood Prohibited Waste: Asbestos Closed Drums/Cont'Rs If Over 5l Cap. Injurious Or Hazardous Waste Liquids,Sludges,Solid/Liquid Mixtures Poisonous, Noxious, Polluting Wastes Rubble Ex Prems-Cont.Tox./Soluble Chem Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval: Waste N.O.S	A7SW (SW)	812	2	449800 118200
	Registered Waste Transfer Sites				
168	Licence Holder: S Grundon (Waste) Ltd Licence Reference: E/ 83 Site Location: Grundon Sand Pit, East Horton Farm, Fair Oak, Hampshire Operator Location: Grundon Estate Office, Grange Lane, Beenham, Berkshire Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Transfer Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Clinical - As In Wmp 25 Prohibited Waste: Waste N.O.S.	A8NE (S)	0	2	450700 118500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	**Registered Waste Transfer Sites** Licence Holder: Hopkins Recycling Ltd Licence Reference: EA 011A Site Location: Knowle Lane C.A.Site, Fair Oak, Hampshire Operator Location: Unit 10 Bridge Road, Curbridge, Botley, SOUTHAMPTON, Hampshire, SO30 2HB Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational 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: 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.	A8NW (SW)	181	2	450380 118460
170	**Registered Waste Transfer Sites** Licence Holder: R & R Contractors Licence Reference: EA 089 Site Location: 79 Mortimers Lane, FAIR OAK, Hampshire, SO5 7BT Operator Location: As Site Address 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: Operational as far as is knownOperational Dated: 16th June 1994 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: Concr,Brickwk,Mortar,Flint,Rock,Stone Max.Waste Permitted By Licence Sand,Chalk,Grav,Nat.Occ.Earth Spoils Timber Tree Lopp'Gs,Hedge Trimm'Gs,Other Veg. Prohibited Waste: Biodegradable Materials Food Waste Liquid/Slurry/Sludge Wastes Paper/Cardboard/Packaging Waste Special Wastes Waste N.O.S.	A12SE (W)	257	2	450290 118790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SE (SE)	0	1	450695 118680
	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	A13SE (SE)	0	1	450695 118680
171	**BGS Recorded Mineral Sites** Site Name: Knowlehill Copse Sand Pit Location: Fair Oak, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162072 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Whitecliff Sand Member Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	108	1	450461 118484
172	**BGS Recorded Mineral Sites** Site Name: Knowlehill Copse Sand Pit Location: Fair Oak, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162075 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Whitecliff Sand Member Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	139	1	450403 118499
173	**BGS Recorded Mineral Sites** Site Name: Knowlehill Copse Sand Pit Location: Fair Oak, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162076 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Whitecliff Sand Member Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	179	1	450522 118363
174	**BGS Recorded Mineral Sites** Site Name: Fair Oak Sand Location: Fair Oak, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 2164 Type: Opencast **Status: Ceased** Operator: S. Grundon (Ewelme) Ltd. Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Whitecliff Sand Member Commodity: Sand Positional Accuracy: Located by supplier to within 100m	A8SW (S)	326	1	450500 118200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	**BGS Recorded Mineral Sites** Site Name: Greenwood Brick Field Location: Fair Oak, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162068 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: London Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A3NE (S)	485	1	450894 117928
176	**BGS Recorded Mineral Sites** Site Name: Greenwood Sand Pit Location: Fair Oak, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162073 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Durley Sand Member Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A4NW (SE)	811	1	451165 117679
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	239	1	450854 118171
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NW (W)	136	1	450382 118677
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	239	1	450854 118171
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	450694 118679
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	239	1	450854 118171
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	450694 118679
	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	A13SE (SE)	0	1	450695 118680
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	450695 118680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	**Contemporary Trade Directory Entries** Name: Parsons Construction Services Ltd Location: Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	37	-	450550 118522
178	**Contemporary Trade Directory Entries** Name: Drive Personnel Location: Unit 4, East Horton Business Park, Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (W)	53	-	450468 118588
179	**Contemporary Trade Directory Entries** Name: The Recycling Centre Location: Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Classification: Recycling Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	178	-	450387 118457
180	**Contemporary Trade Directory Entries** Name: South Coast Building Group Location: Unit 3c, Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	225	-	450328 118457
181	**Contemporary Trade Directory Entries** Name: Topmix Mortars Ltd Location: Mortimers La, Fair Oak, Eastleigh, Hampshire, SO50 7EA Classification: Concrete & Mortar Ready Mixed **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (NE)	228	-	450937 118996
181	**Contemporary Trade Directory Entries** Name: S Grundon Ltd Location: Mortimers La, Fair Oak, Eastleigh, Hampshire, SO50 7EA Classification: Sand, Gravel & Other Aggregates **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (NE)	238	-	450950 119001
182	**Contemporary Trade Directory Entries** Name: C W M Aggregates Ltd Location: 79, Mortimers Lane, Fair Oak, Eastleigh, SO50 7BT Classification: Sand, Gravel & Other Aggregates **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	260	-	450285 118780
182	**Contemporary Trade Directory Entries** Name: R & R Contractors Location: R and r Contractors, Orchard Close, 79, Mortimers Lane, Fair Oak, SO50 7BT Classification: Marine Engineering Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	261	-	450285 118778
182	**Contemporary Trade Directory Entries** Name: R & R Contractors Location: R and r Contractors, Orchard Close, 79, Mortimers Lane, Fair Oak, SO50 7BT Classification: Marine Engineering Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	261	-	450285 118778
182	**Contemporary Trade Directory Entries** Name: R & R Contractors Location: R and r Contractors, Orchard Close, 79, Mortimers Lane, Fair Oak, SO50 7BT Classification: Marine Engineering Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	261	-	450285 118778
182	**Contemporary Trade Directory Entries** Name: Aggregatesales.Com Location: 79, Mortimers Lane, Fair Oak, Eastleigh, Hampshire, SO50 7BT Classification: Sand, Gravel & Other Aggregates **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	261	-	450284 118778

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	**Contemporary Trade Directory Entries** Name: M D Truck & Trailer Spares Location: UNIT 2CA, DEER PARK FARM INDUSTRIAL ESTATE, KNOWLE LANE, HORTON HEATH, EASTLEIGH, SO50 7DZ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	273	-	450273 118458
184	**Contemporary Trade Directory Entries** Name: A F S Haulage Location: Unit 1, Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Classification: Road Haulage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	287	-	450308 118381
184	**Contemporary Trade Directory Entries** Name: Deer Park Joinery Location: Unit 4, Deer Park Farm, Knowle Lane, Horton Heath, Eastleigh, Hampshire, SO50 7DZ Classification: Staircase, Balustrade & Handrail Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	300	-	450303 118368
184	**Contemporary Trade Directory Entries** Name: I T T Services Location: UNIT 11, DEER PARK FARM INDUSTRIAL ESTATE, KNOWLE LANE, HORTON HEATH, EASTLEIGH, SO50 7DZ Classification: Electricity Generating & Distributing Equipment **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	303	-	450299 118368
184	**Contemporary Trade Directory Entries** Name: Power Generation Services Ltd Location: Unit 11, Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Classification: Electricity Generating & Distributing Equipment **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	311	-	450293 118362
184	**Contemporary Trade Directory Entries** Name: Hopkins Recycling Ltd Location: Dear Park Farm Knowle la, Horton Heath, Eastleigh, Hampshire, SO50 7DX Classification: Recycling Centres **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	326	-	450275 118359
185	**Contemporary Trade Directory Entries** Name: Purus Location: Unit 2a, Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, SO50 7PZ Classification: Air Conditioning Equipment & Systems **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	312	-	450252 118416
185	**Contemporary Trade Directory Entries** Name: Direct Diesels Ltd Location: Unit 2A, Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, Hampshire, SO50 7PZ Classification: Road Haulage Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	315	-	450251 118410
186	**Contemporary Trade Directory Entries** Name: Jiggins Transport Location: 45, Mortimers Lane, Fair Oak, Eastleigh, Hampshire, SO50 7BH Classification: Road Haulage Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A7NW (W)	580	-	449948 118678
187	**Contemporary Trade Directory Entries** Name: Perfect Cleaning Services Location: 16, Michaels Way, Fair Oak, Eastleigh, Hampshire, SO50 7NT Classification: Cleaning Services - Domestic **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (W)	587	-	449950 118436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	**Contemporary Trade Directory Entries** Name: S & H Emery Location: Hall Lands Farm, Hall Lands Lane, Fair Oak, Eastleigh, Hampshire, SO50 7EF Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (NW)	632	-	449975 119103
189	**Contemporary Trade Directory Entries** Name: Smartarse Design Ltd Location: 18, The Beeches, Fair Oak, Eastleigh, Hampshire, SO50 7NS Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (W)	647	-	449896 118401
190	**Contemporary Trade Directory Entries** Name: Autorola Location: 42, Mortimers Lane, Fair Oak, Eastleigh, Hampshire, SO50 7BD Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (W)	750	-	449774 118657
191	**Contemporary Trade Directory Entries** Name: Greenwood Location: Little Greenwood Farm, Greenwood Lane, Durley, Southampton, SO32 2AP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3SE (S)	773	-	450968 117649
192	**Contemporary Trade Directory Entries** Name: Oscar Pet Foods Chandlers Ford Location: Goater Way, Fair Oak, Eastleigh, Hampshire, SO50 7HT Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	905	-	449628 118744
193	**Contemporary Trade Directory Entries** Name: T & M Electrical Contractors Ltd Location: 1A Stubbington Way, Fair Oak, Eastleigh, Hampshire, SO50 7LQ Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A6NE (W)	960	-	449562 118506
194	**Contemporary Trade Directory Entries** Name: Floor Coverings Southern Location: 7, Reynolds Road, Fair Oak, Eastleigh, SO50 7NA Classification: Carpet & Fabric Proofing **Status: Active** Positional Accuracy: Automatically positioned to the address	A6NE (W)	966	-	449564 118433
195	**Points of Interest - Commercial Services** Name: Drive Personnel Location: Unit 4, East Horton Business Park, Knowle Lane, Fair Oak, SO50 7DZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (W)	53	9	450468 118587
196	**Points of Interest - Commercial Services** Name: The Recycling Centre Location: Household Waste Recycling Centre, Knowle Lane, Fair Oak, SO50 7DZ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A8NW (SW)	178	9	450386 118457
197	**Points of Interest - Commercial Services** Name: A F S Haulage Location: Unit 1 Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	288	9	450307 118381
197	**Points of Interest - Commercial Services** Name: A F S Group Ltd Location: A F S House Deer Park Farm Industrial Estate, Knowle Lane, Horton Heath, Eastleigh, SO50 7PZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	310	9	450300 118357

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	**Points of Interest - Commercial Services** Name: Direct Diesels Ltd Location: Unit 2a Deer Park Farm Industrial Estate, Knowle Lane, Fair Oak, SO50 7PZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	312	9	450251 118416
197	**Points of Interest - Commercial Services** Name: Hopkins Recycling Ltd Location: Unit 1/D Deer Park Farm, Knowle Lane, Horton Heath, Eastleigh, SO50 7DZ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A7SE (SW)	352	9	450257 118340
198	**Points of Interest - Commercial Services** Name: J V S Auto Electrical Location: 28 Scotland Close, Fair Oak, SO50 7BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (W)	475	9	450046 118605
199	**Points of Interest - Commercial Services** Name: Jiggins Transport Location: 45 Mortimers Lane, Fair Oak, SO50 7BH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (W)	580	9	449948 118678
200	**Points of Interest - Manufacturing and Production** Name: Business Park Location: SO50 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	55	9	450468 118556
200	**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	A8NW (W)	71	9	450452 118607
200	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (W)	76	9	450447 118606
201	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	72	9	450666 118405
202	**Points of Interest - Manufacturing and Production** Name: Sand Pit Location: SO50 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	127	9	450547 118409
202	**Points of Interest - Manufacturing and Production** Name: Fairoak Landfill - Landfill Gas (BEIS) Location: Fairoak Landfill, East Horten Farm, Mortimer Lane, SO50 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	129	9	450495 118446
203	**Points of Interest - Manufacturing and Production** Name: K Cooper Location: Mortimers Lane, Fair Oak, Eastleigh, SO50 7EA Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SW (NW)	159	9	450419 118917
204	**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	A12SE (W)	218	9	450326 118769

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	223	9	450321 118770
205	**Points of Interest - Manufacturing and Production** Name: Sand Pit Location: SO50 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	224	9	450472 118344
206	**Points of Interest - Manufacturing and Production** Name: Deer Park Farm Industrial Estate Location: SO50 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	227	9	450356 118418
206	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: SO50 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	249	9	450315 118434
207	**Points of Interest - Manufacturing and Production** Name: Sand Pit Location: SO50 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A8SW (SW)	433	9	450381 118151
208	**Points of Interest - Manufacturing and Production** Name: S & H Emery Location: Hall Lands Farm, Hall Lands Lane, Fair Oak, Eastleigh, SO50 7EF Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A12NW (NW)	632	9	449975 119103
209	**Points of Interest - Manufacturing and Production** Name: J Spreadbury Location: Woodlands, Greenwood Lane, Durley, Southampton, SO32 2AP Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A9SE (SE)	635	9	451402 118194
210	**Points of Interest - Manufacturing and Production** Name: H E S Colliver Location: Greenwood Farm, Greenwood Lane, Durley, Southampton, SO32 2AP Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A3NE (S)	692	9	450831 117713
210	**Points of Interest - Manufacturing and Production** Name: H E S Colliver Location: Greenwood Farm, Greenwood Lane, Durley, Southampton, SO32 2AP Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A3NE (S)	692	9	450831 117713
211	**Points of Interest - Public Infrastructure** Name: Refuse Tip Location: SO50 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	105	9	450463 118486
211	**Points of Interest - Public Infrastructure** Name: Public Amenity Location: SO50 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	183	9	450377 118461
212	**Points of Interest - Public Infrastructure** Name: C W M Aggregates Ltd Location: 79 Mortimers Lane, Fair Oak, Eastleigh, SO50 7BT Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SE (W)	261	9	450284 118778

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	**Points of Interest - Public Infrastructure** Name: Slurry Pit Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12NW (NW)	759	9	449876 119209
214	**Points of Interest - Public Infrastructure** Name: Refuse Tip Location: SO50 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	824	9	449784 118204
214	**Points of Interest - Public Infrastructure** Name: Refuse Tip Location: SO50 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	825	9	449783 118204
215	**Points of Interest - Recreational and Environmental** Name: Play Area Location: SO50 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	838	9	449702 118798
216	**Points of Interest - Recreational and Environmental** Name: Playground Location: SO50 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A2NW (SW)	972	9	449819 117901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	**Ancient Woodland** Name: Durley Copse Reference: 1489475 Area(m²): 87538.32 Type: Plantation on Ancient Woodland	A8SE (S)	375	10	450731 118037
218	**Ancient Woodland** Name: Not Supplied Reference: 1488093 Area(m²): 23772.74 Type: Ancient and Semi-Natural Woodland	A7SE (SW)	385	10	450252 118298
219	**Ancient Woodland** Name: Tippers Copse Reference: 1505449 Area(m²): 15446.55 Type: Ancient and Semi-Natural Woodland	A18SW (N)	434	10	450550 119375
220	**Ancient Woodland** Name: Hall Lands Copse Reference: 1487578 Area(m²): 64916.03 Type: Ancient and Semi-Natural Woodland	A12NE (NW)	560	10	450091 119209
221	**Ancient Woodland** Name: Park Hills Wood Reference: 1491368 Area(m²): 74992.55 Type: Plantation on Ancient Woodland	A17SE (N)	711	10	450328 119603
222	**Ancient Woodland** Name: Park Hills Wood Reference: 1491368 Area(m²): 263008.47 Type: Ancient and Semi-Natural Woodland	A18SE (N)	742	10	450971 119643
223	**Ancient Woodland** Name: Greenwood Reference: 1489203 Area(m²): 261117.5 Type: Plantation on Ancient Woodland	A4NE (SE)	871	10	451412 117781
224	**Nitrate Vulnerable Zones** Name: Hamble Estuary Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	A13SE (SE)	0	4	450695 118680
225	**Nitrate Vulnerable Zones** Name: Bow Lake Nvz Description: Surface Water Source: Environment Agency, Head Office	A18SW (N)	545	4	450641 119499

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Eastleigh Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Test Valley Borough Council - Housing and Environmental Health Service	September 2017	Annual Rolling Update
Winchester City Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	October 2022	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Southern Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - South East Region - Solent & South Downs Area	July 2022	Quarterly
Environment Agency - Southern Region	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Winchester City Council - Environmental Health Department	December 2014	Variable
Eastleigh Borough Council - Environmental Health Department	September 2014	Variable
Test Valley Borough Council - Housing and Environmental Health Service	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Winchester City Council - Environmental Health Department	December 2014	Annual Rolling Update
Eastleigh Borough Council - Environmental Health Department	September 2014	Annual Rolling Update
Test Valley Borough Council - Housing and Environmental Health Service	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Winchester City Council - Environmental Health Department	December 2014	Variable
Eastleigh Borough Council - Environmental Health Department	September 2014	Variable
Test Valley Borough Council - Housing and Environmental Health Service	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	September 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Southern Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - South East Region - Solent & South Downs Area	July 2022	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	July 2022	Quarterly
Environment Agency - Southern Region - Solent and South Downs	July 2022	Quarterly
Water Abstractions		
Environment Agency - Southern Region	October 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified

Data Currency

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	October 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - Solent & South Downs Area	October 2022	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	October 2022	Quarterly
Environment Agency - Southern Region - Solent and South Downs	October 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Solent & South Downs Area	July 2022	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	July 2022	Quarterly
Environment Agency - Southern Region - Solent and South Downs	July 2022	Quarterly
Local Authority Landfill Coverage		
Eastleigh Borough Council	February 2003	Not Applicable
Hampshire County Council - Minerals and Waste Planning	February 2003	Not Applicable
Test Valley Borough Council - Environmental Protection Team	February 2003	Not Applicable
Winchester City Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Eastleigh Borough Council	October 2018	
Hampshire County Council - Minerals and Waste Planning	October 2018	
Test Valley Borough Council - Environmental Protection Team	October 2018	
Winchester City Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Southern Region - Hampshire Area	March 2006	Not Applicable
Environment Agency - Southern Region - Solent and South Downs	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Hampshire Area	April 2018	
Environment Agency - Southern Region - Solent and South Downs	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Hampshire Area	June 2015	
Environment Agency - Southern Region - Solent and South Downs	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Eastleigh Borough Council	February 2016	Variable
Hampshire County Council - Minerals and Waste Planning	February 2016	Variable
Test Valley Borough Council - Environmental Protection Team	November 2015	Variable
Winchester City Council - Planning Department	October 2015	Variable
Planning Hazardous Substance Consents		
Eastleigh Borough Council	February 2016	Variable
Hampshire County Council - Minerals and Waste Planning	February 2016	Variable
Test Valley Borough Council - Environmental Protection Team	November 2015	Variable
Winchester City Council - Planning Department	October 2015	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2022	Quarterly
Points of Interest - Education and Health PointX	December 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2022	Quarterly
Points of Interest - Public Infrastructure PointX	December 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
Eastleigh Borough Council	July 2022	Quarterly
South Downs National Park	July 2022	Quarterly
Test Valley Borough Council - Environmental Protection Team	July 2022	Quarterly
Winchester City Council	July 2022	Quarterly
Areas of Unadopted Green Belt		
Eastleigh Borough Council	July 2022	Quarterly
South Downs National Park	July 2022	Quarterly
Test Valley Borough Council - Environmental Protection Team	July 2022	Quarterly
Winchester City Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	February 2021	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	June 2017	Bi-Annually
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2021	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	February 2021	Bi-Annually

Data Suppliers

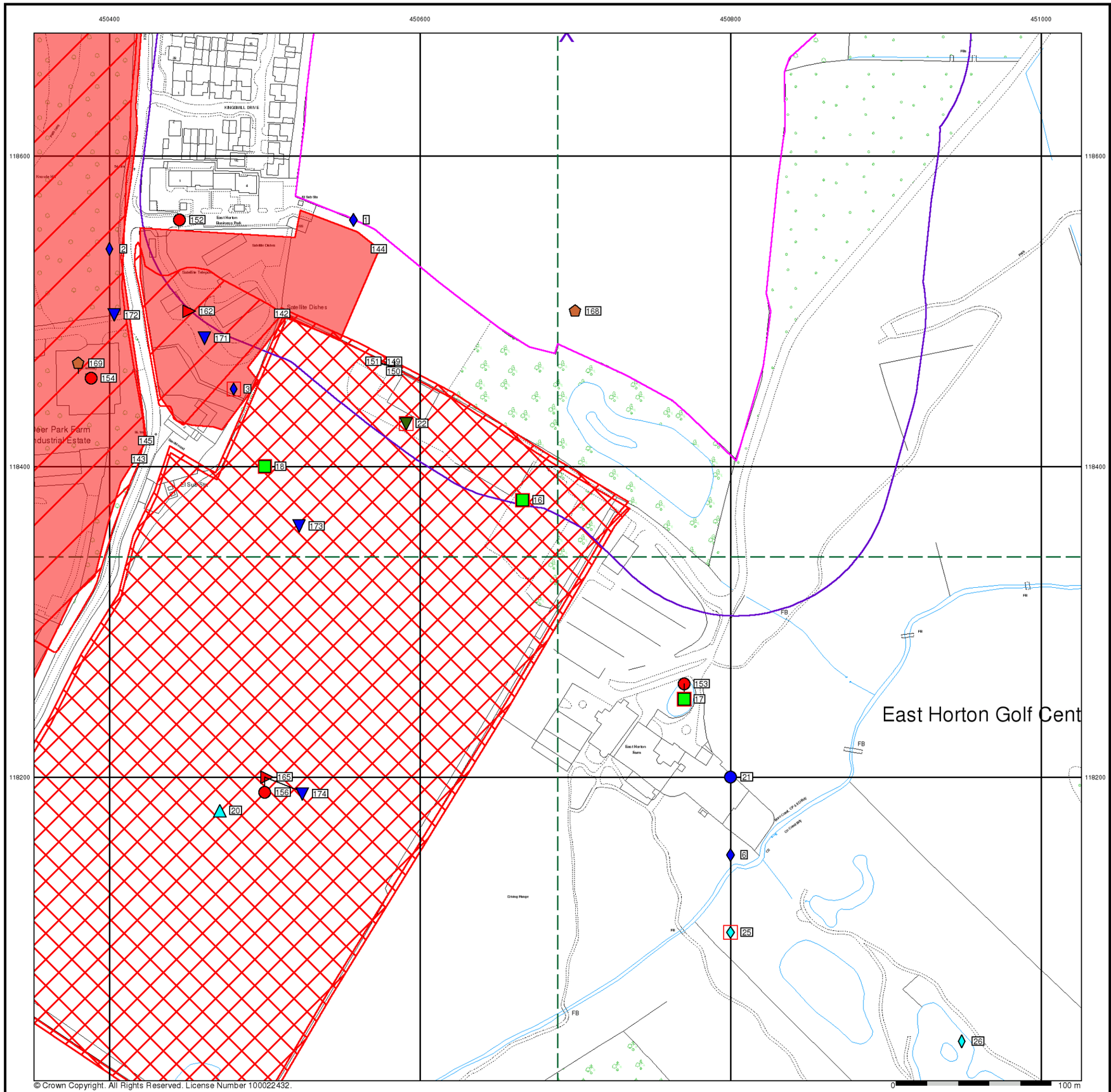
A selection of organisations who provide data within this report

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	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science 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	**Eastleigh Borough Council - Environmental Health Department** Civic Offices, Leigh Road, Eastleigh, Hampshire, SO50 9YN	Telephone: 023 80622302 Fax: 02380 688302 Website: www.eastleigh.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Eastleigh Borough Council** Civic Offices, Leigh Road, Eastleigh, Hampshire, SO50 9YN	Telephone: 02380 688000 Fax: 02380 688261 Website: www.eastleigh.gov.uk
7	**Hampshire County Council - Minerals and Waste Planning** Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
8	**Winchester City Council - Environmental Health Department** City Offices, Colebrook Street, Winchester, Hampshire, SO23 9LJ	Telephone: 01962 848519 Fax: 01962 849101 Website: www.winchester.gov.uk
9	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Geo-Environmental

General

- Specified Site
- Specified Buffer(s)
- 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

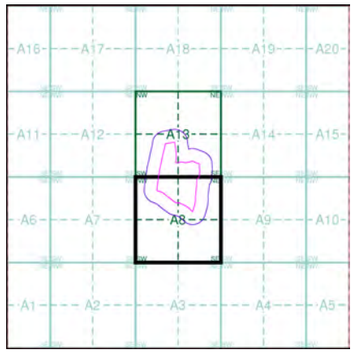
Geological

- 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 A8



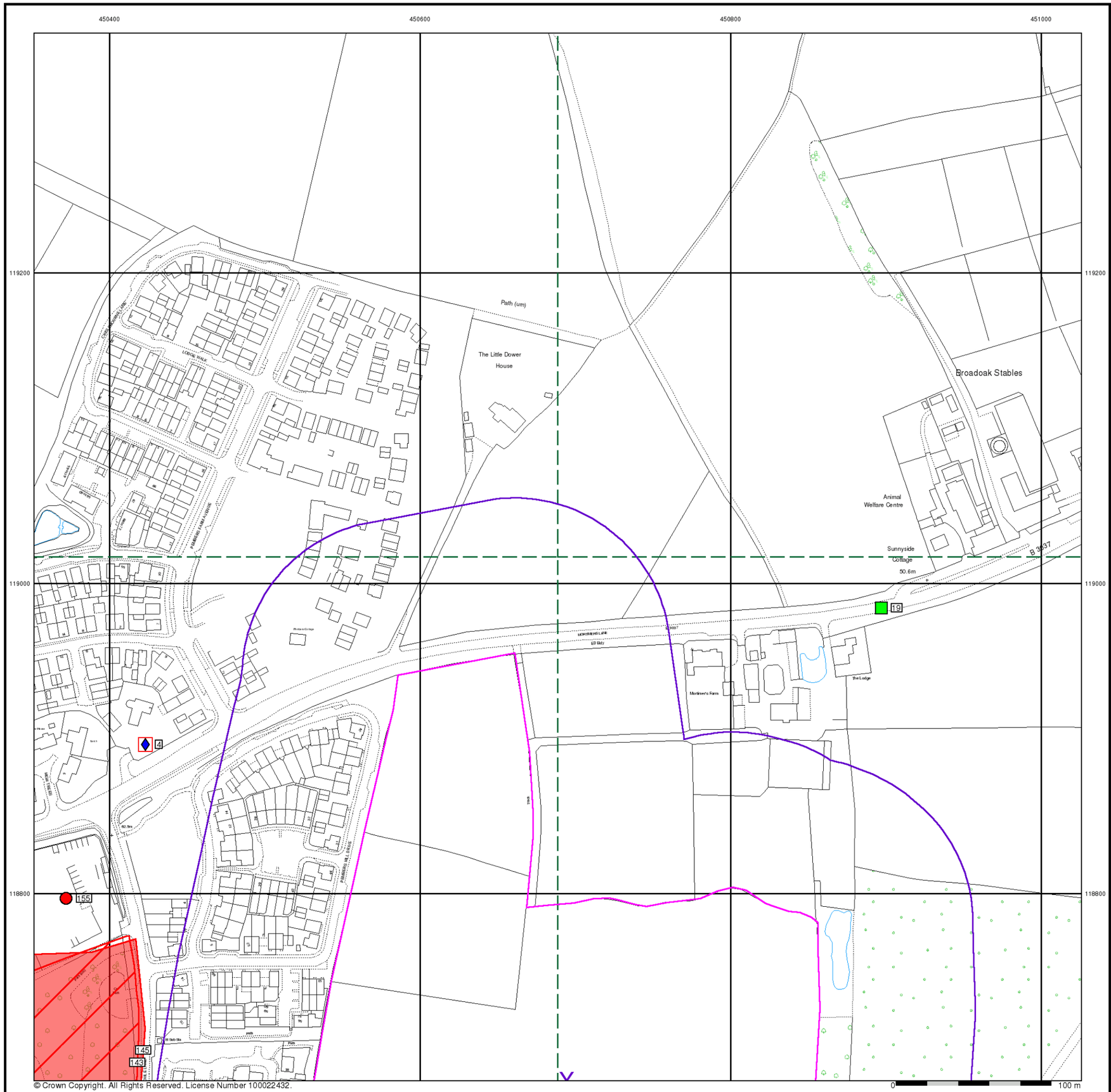
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Plot Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

General

- Specified Site
- Specified Buffer(s)
- 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

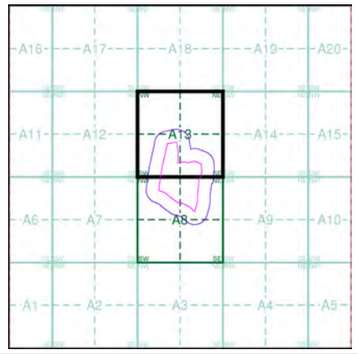
Geological

- 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



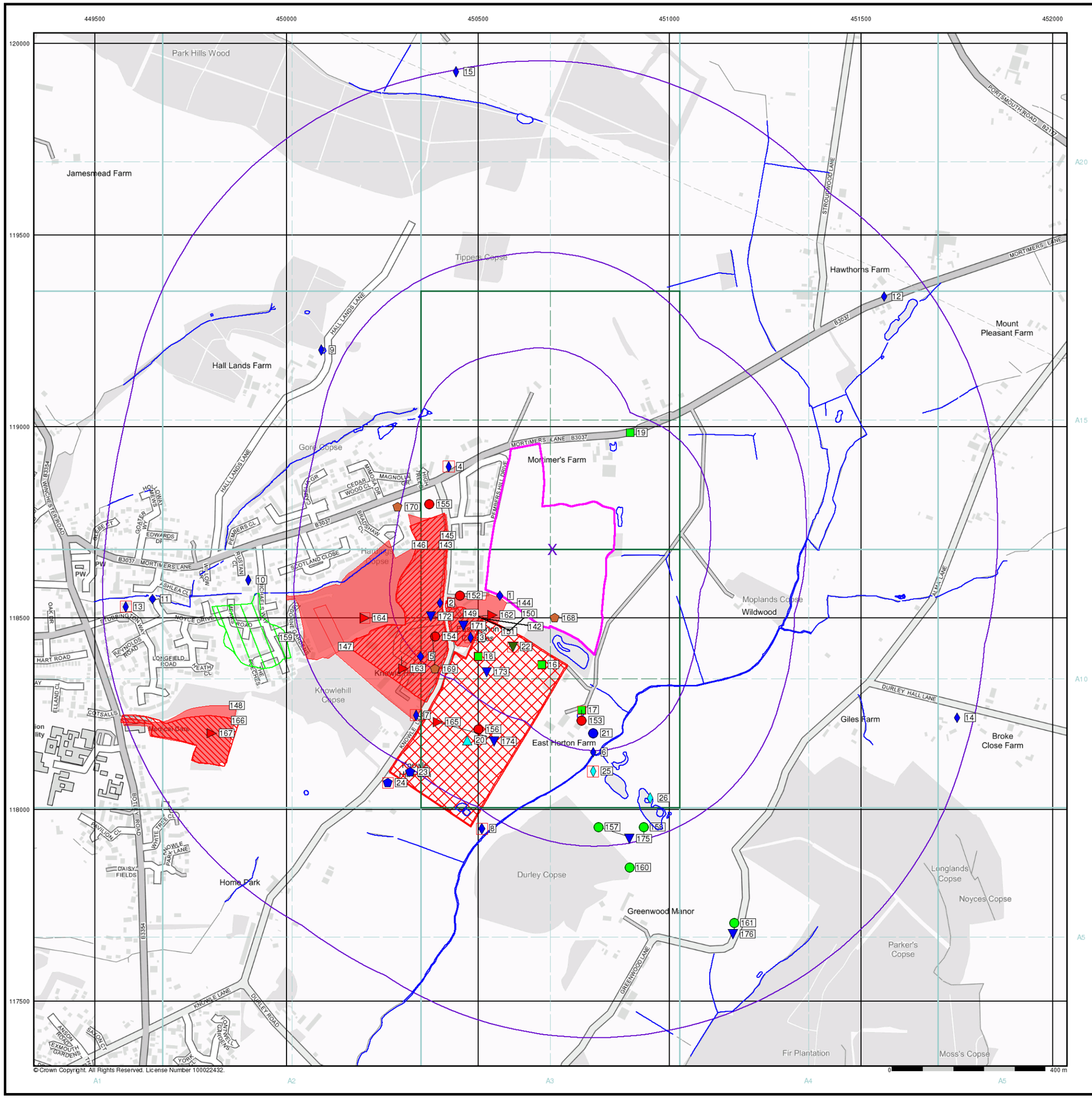
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Plot Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

General

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

Agency and Hydrological

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

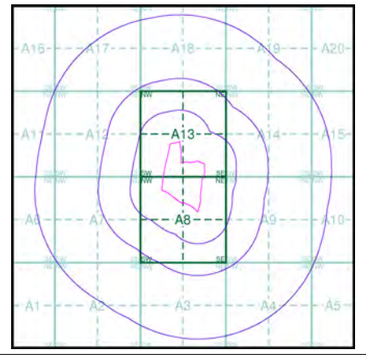
Geological

- 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



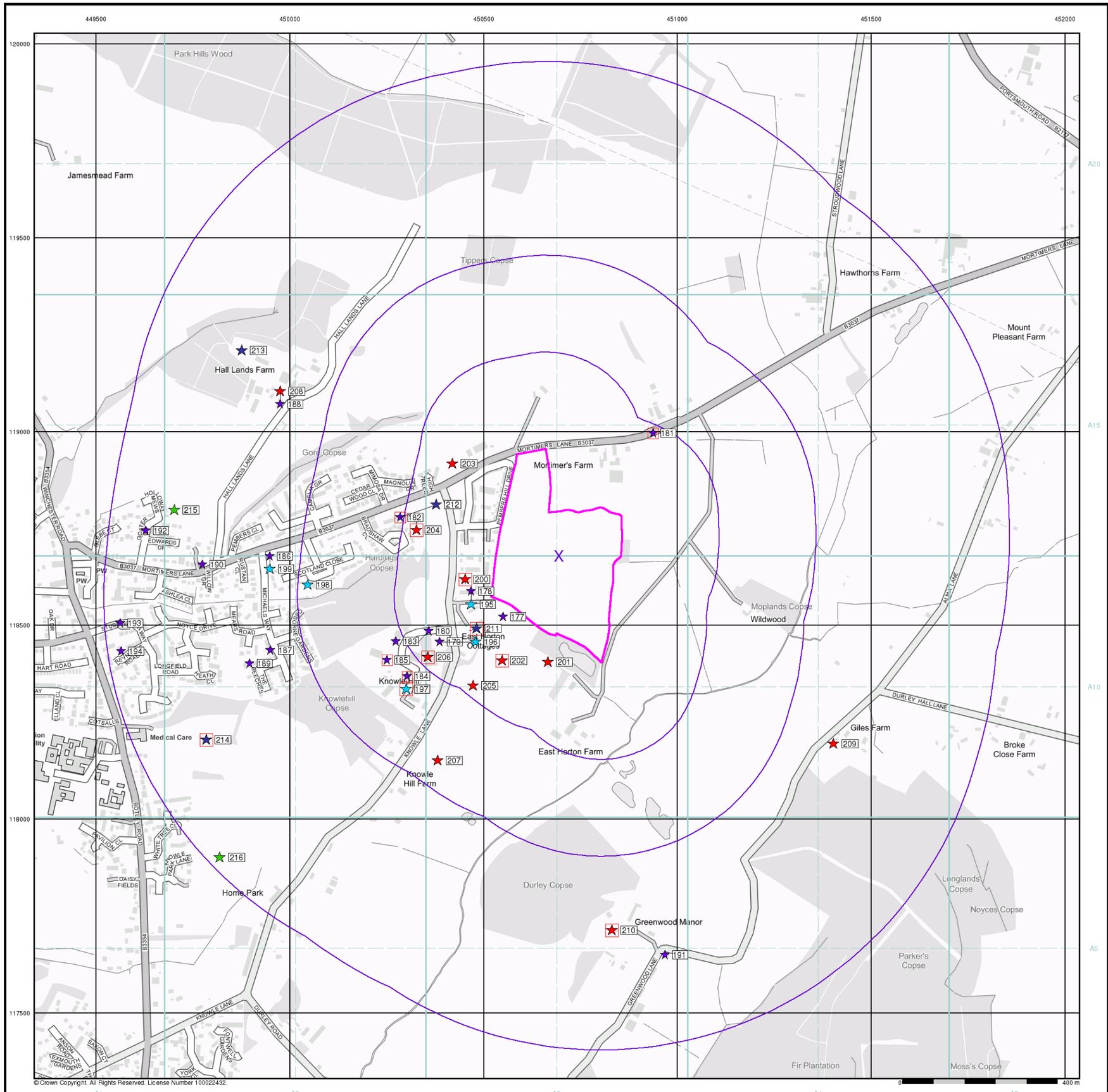
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental
Industrial Land Use Map

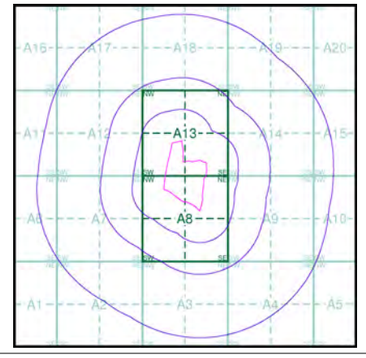
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



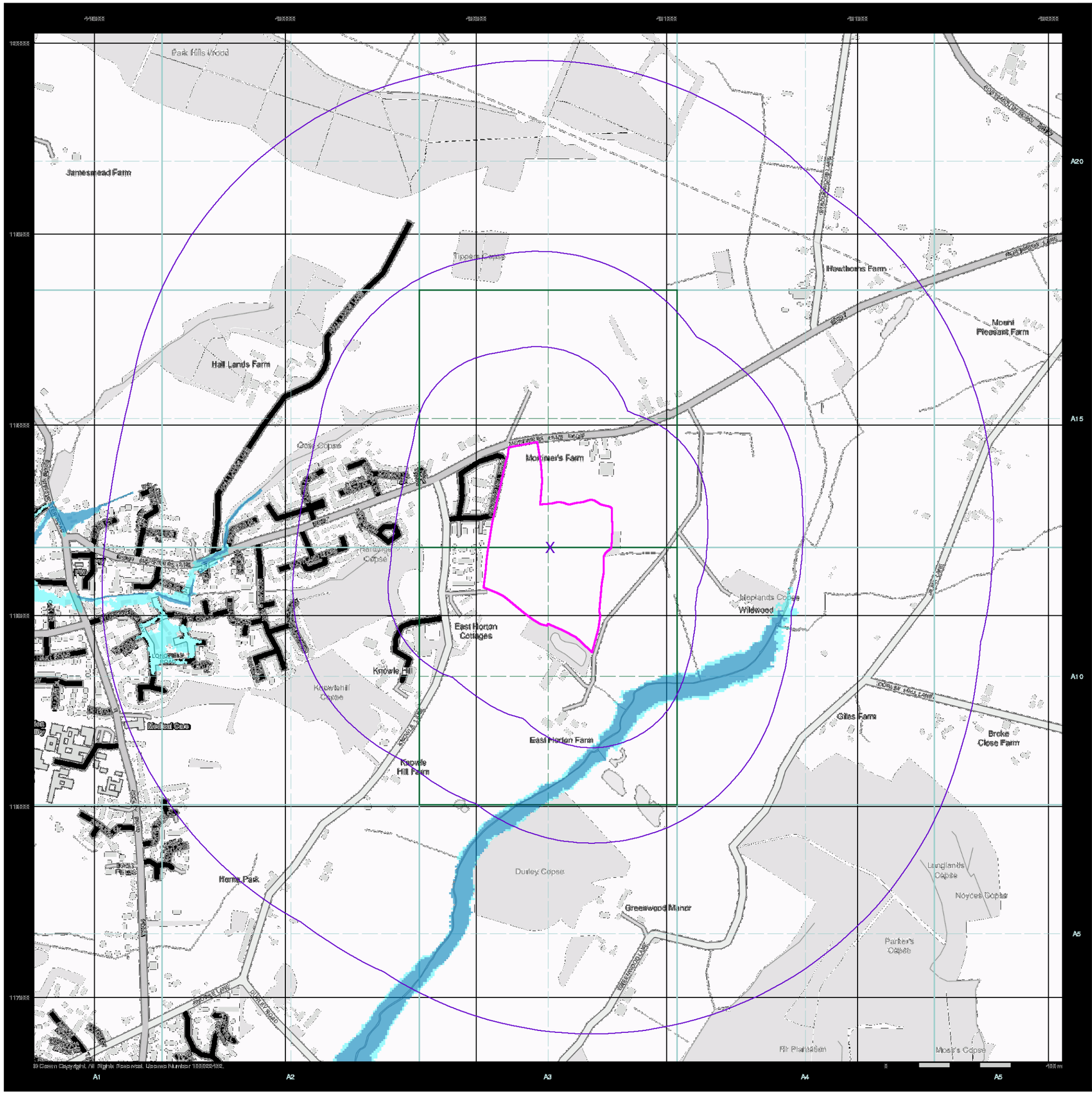
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

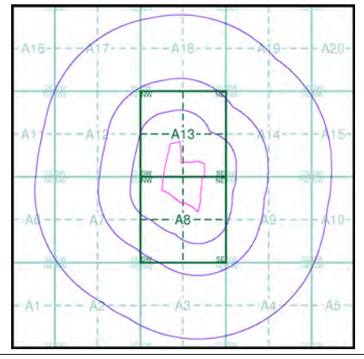
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



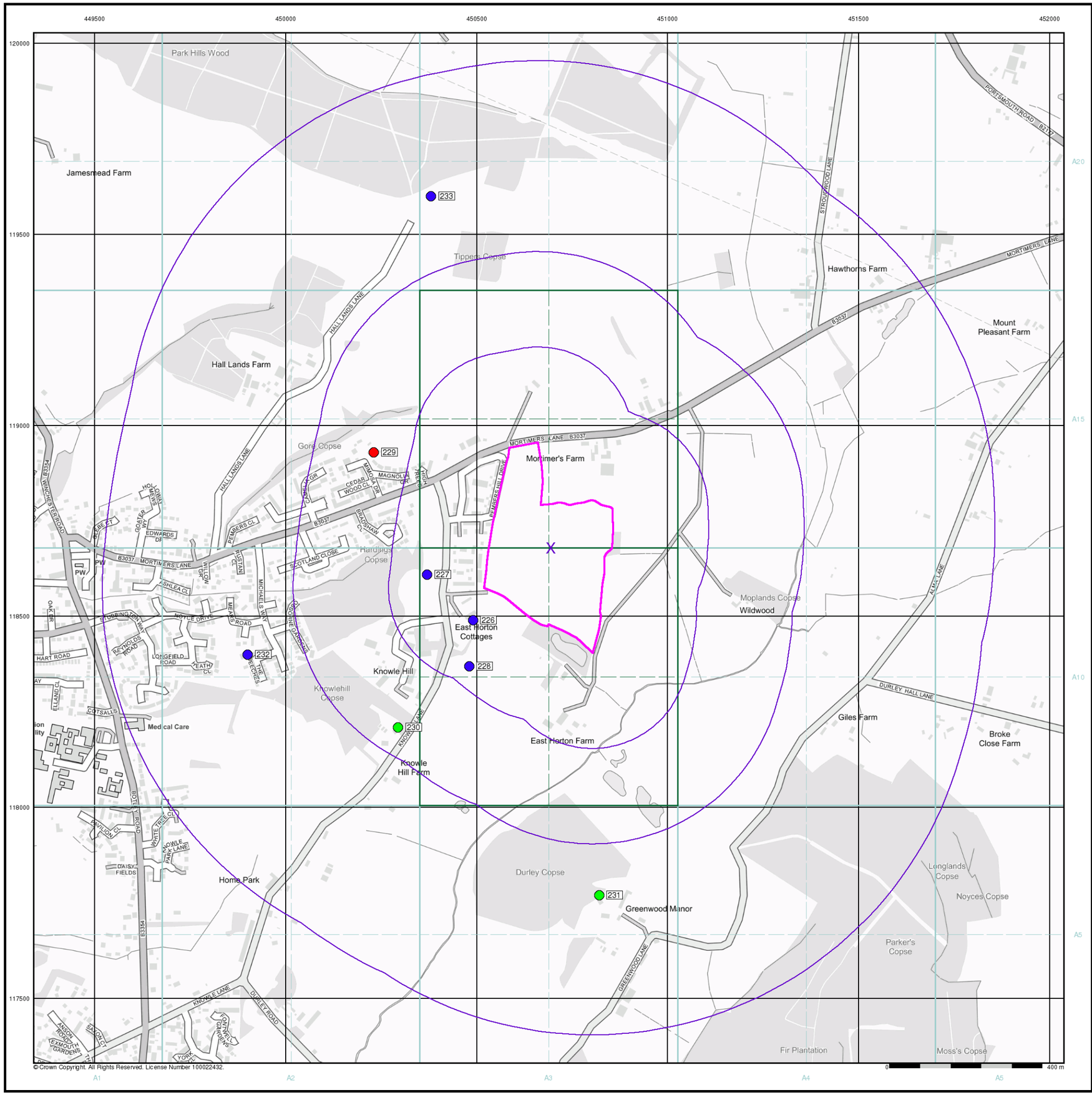
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

General

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

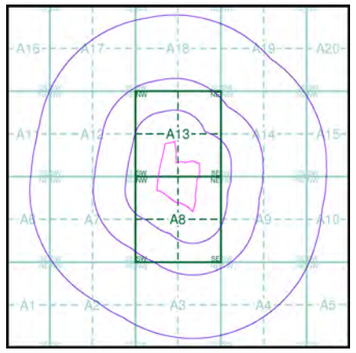
Agency and Hydrological (Boreholes)

- 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:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690



Geo-Environmental

General

- Specified Site
- Specified Buffer(s)
- 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)

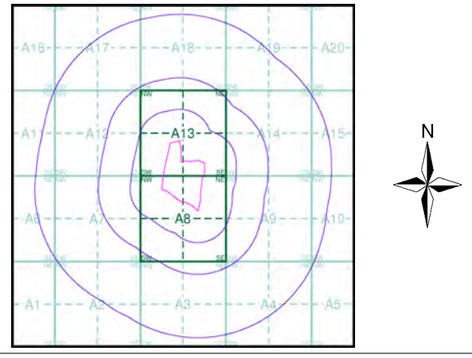
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



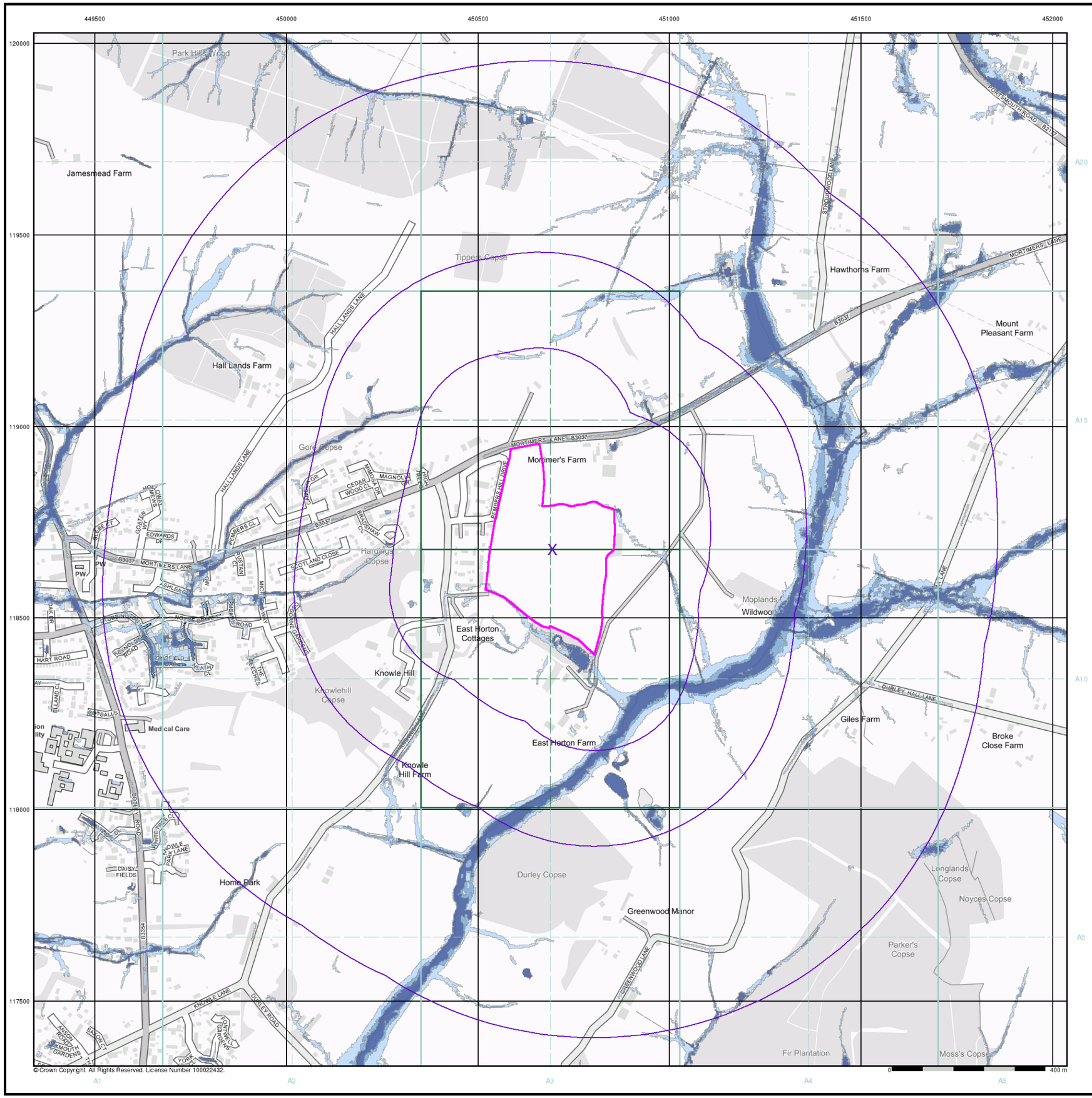
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

General

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

Risk of Flooding from Surface Water

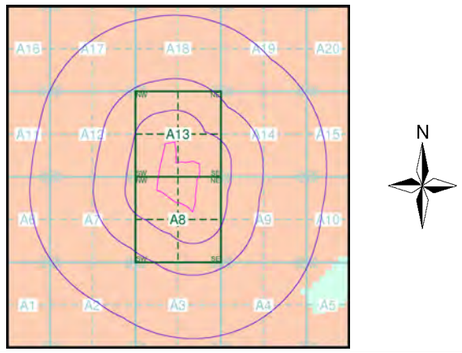
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

General

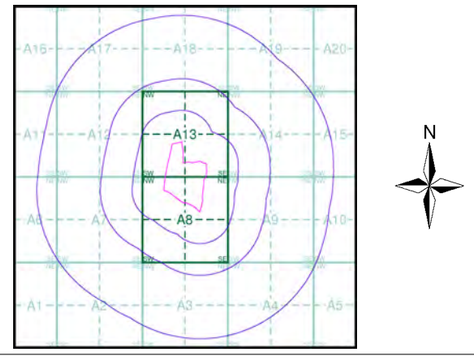
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

Order Details:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

General

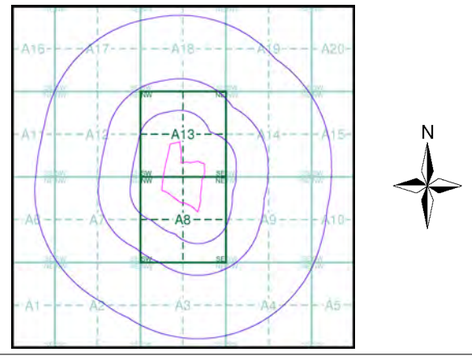
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



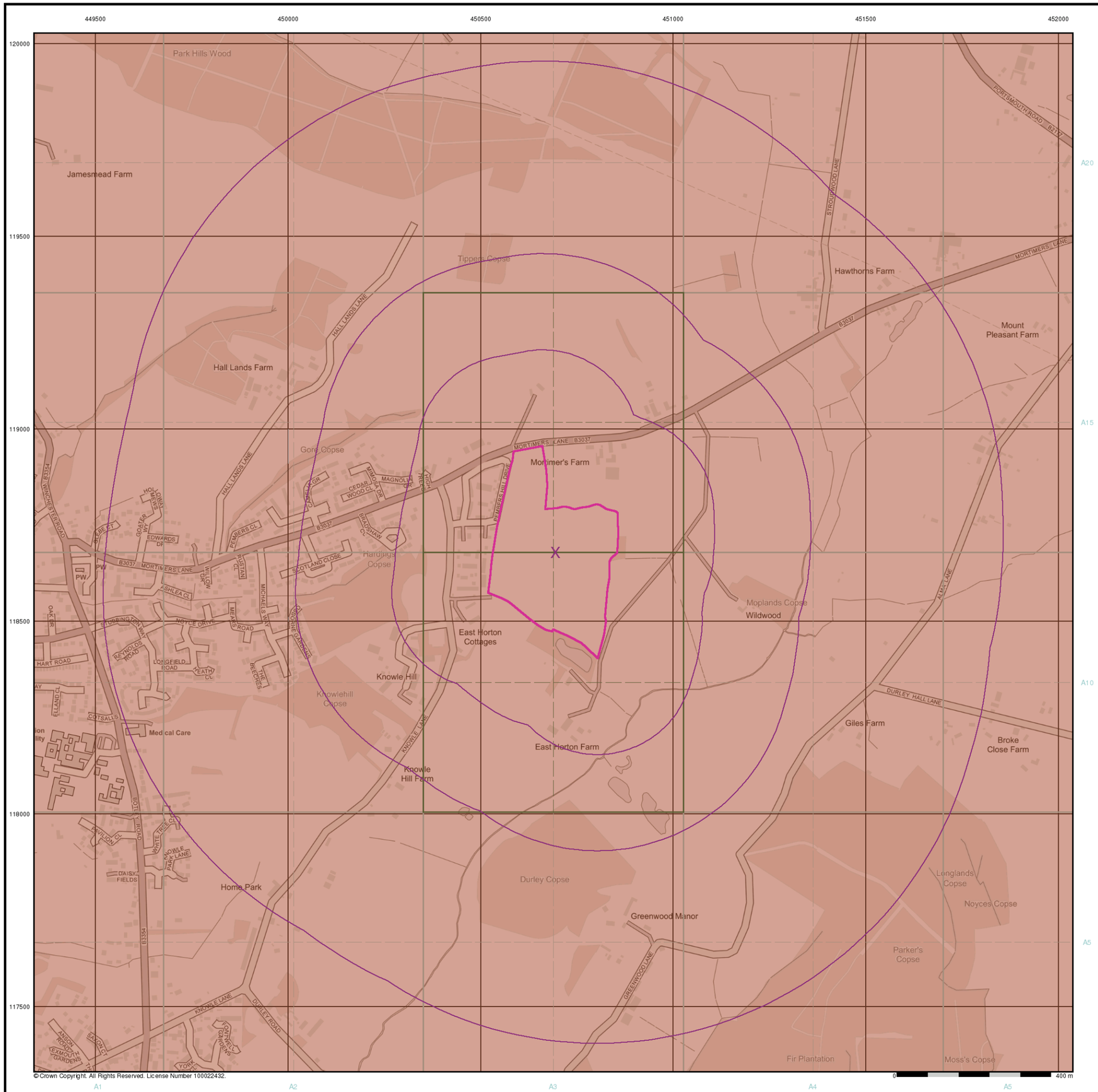
Order Details

Order Details:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

General

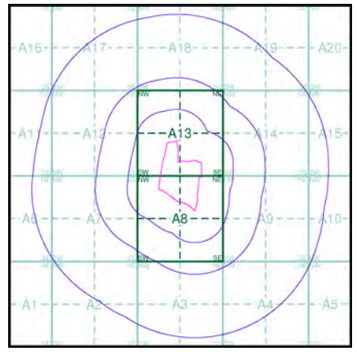
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



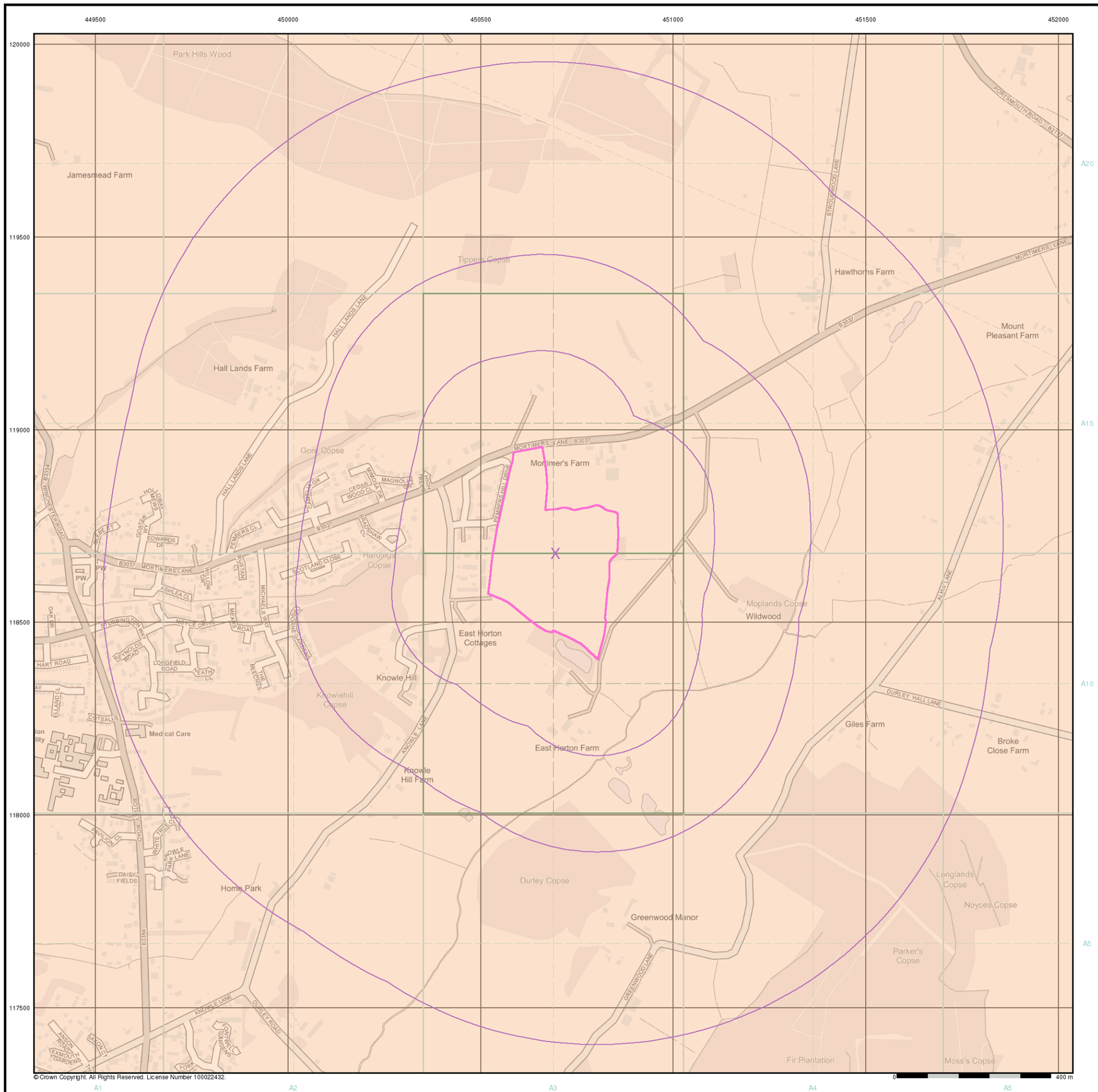
Order Details

Order Details:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

General

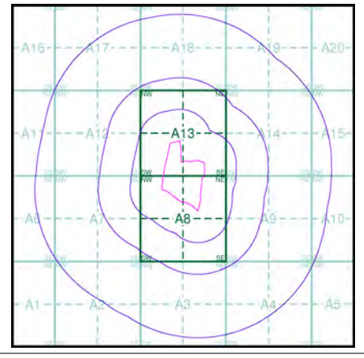
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



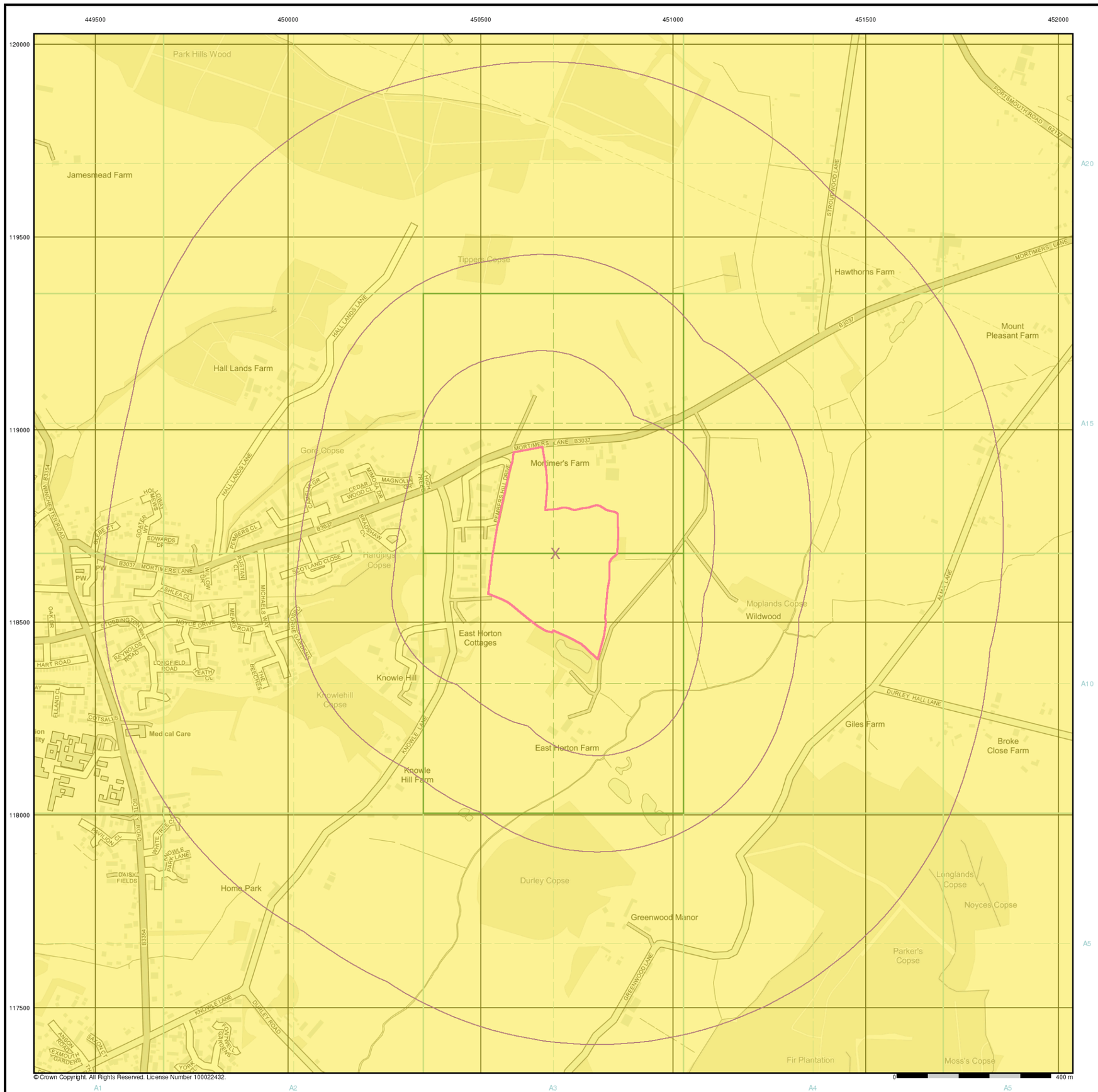
Order Details

Order Details:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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



Geo-Environmental

General

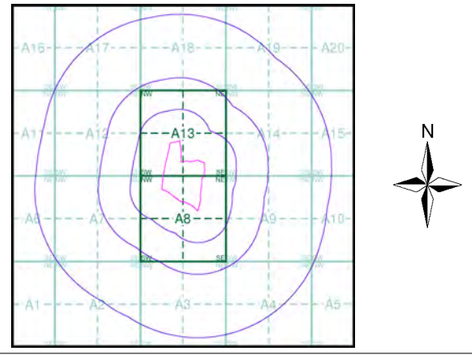
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



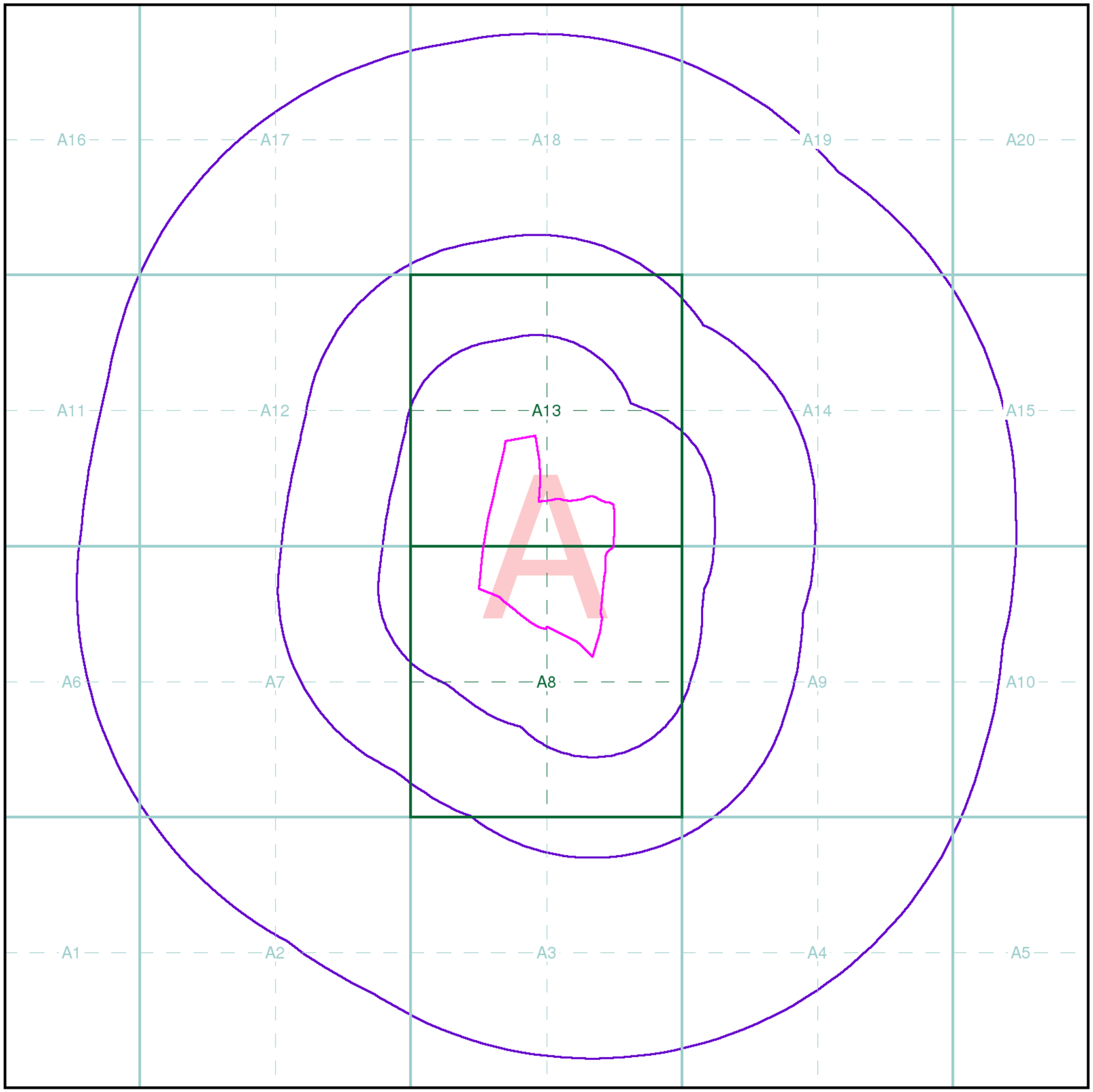
Order Details

Order Details:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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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:

Map data | British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL | Environment Agency | NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

Client Details
Ms F Goode, Geo Environmental Services Ltd, Unit 7 Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex, BN6 9GL

Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118670
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details
Site at 450680, 118690

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http://www.landmarkinfo.co.uk/Terms/Show/515

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

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

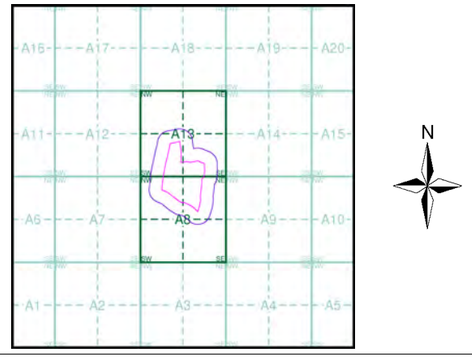
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

Geo-Environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1871	2
Hampshire & Isle Of Wight	1:10,560	1897 - 1898	3
Hampshire & Isle Of Wight	1:10,560	1910 - 1911	4
Hampshire & Isle Of Wight	1:10,560	1939	5
Historical Aerial Photography	1:10,560	1947 - 1948	6
Ordnance Survey Plan	1:10,000	1961 - 1963	7
Ordnance Survey Plan	1:10,000	1968	8
Ordnance Survey Plan	1:10,000	1982 - 1987	9
Ordnance Survey Plan	1:10,000	1986	10
Ordnance Survey Plan	1:10,000	1990	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2022	14

Historical Map - Slice A



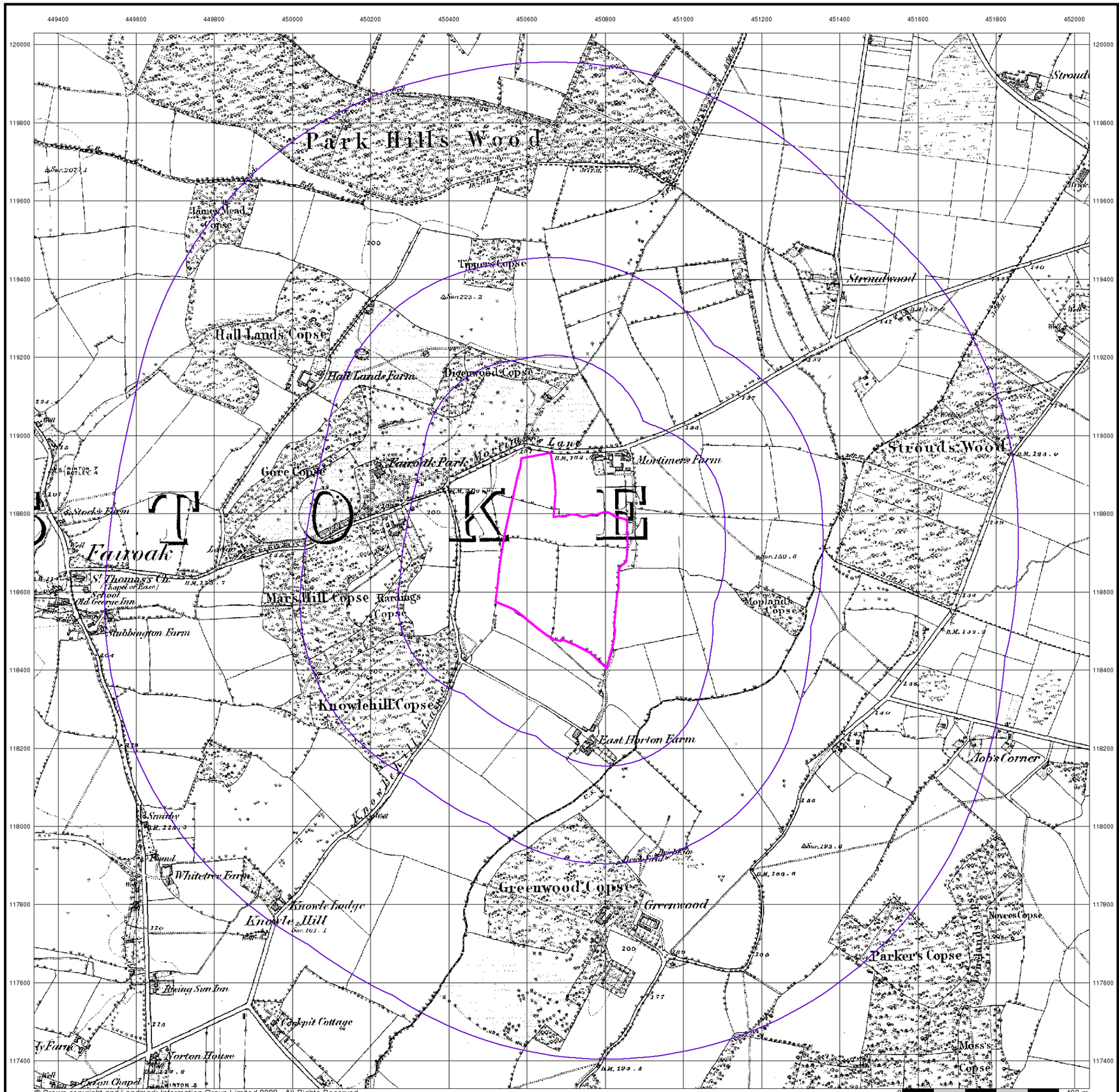
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Customer Ref: GE21215
National Grid Reference: 450690, 118680
Slice: A
Site Area (Ha): 10.97
Search Buffer (m): 1000

Site Details

Site at 450680, 118690

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Geo-Environmental

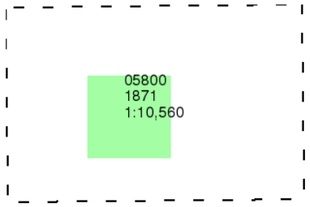
Hampshire & Isle Of Wight

Published 1871

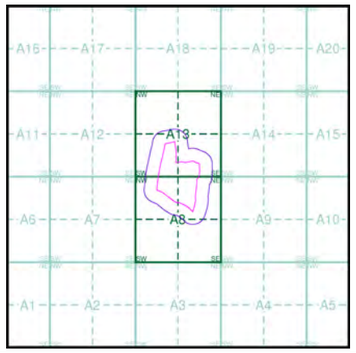
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



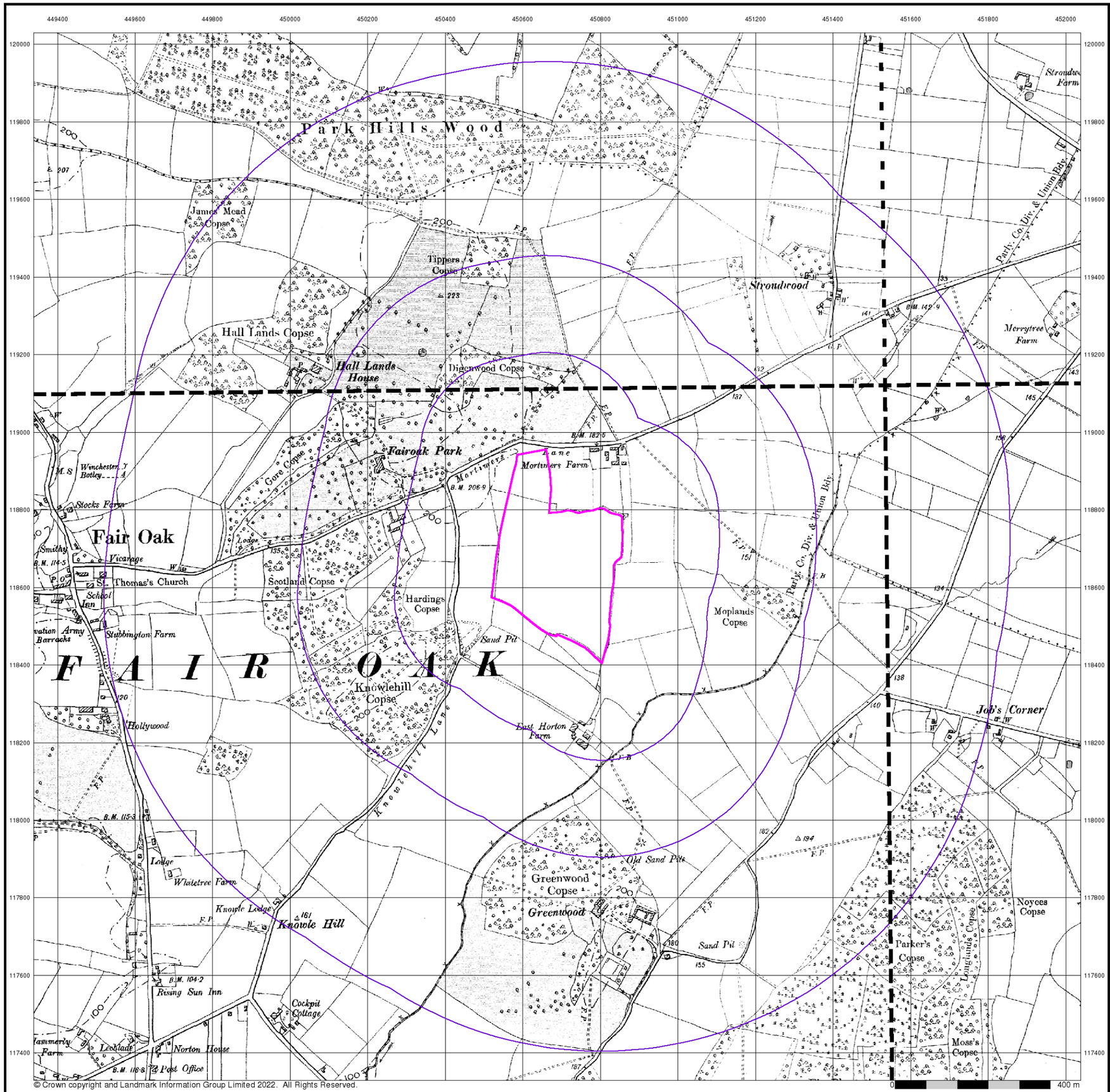
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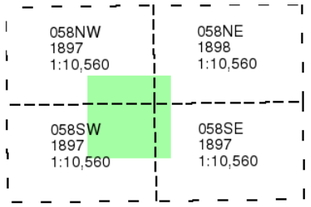
Hampshire & Isle Of Wight

Published 1897 - 1898

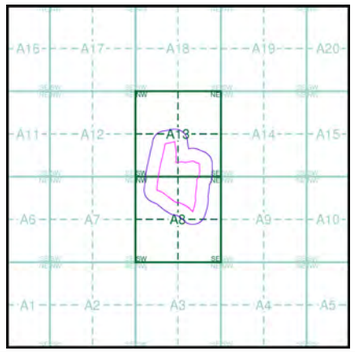
Source map scale - 1:10,560

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



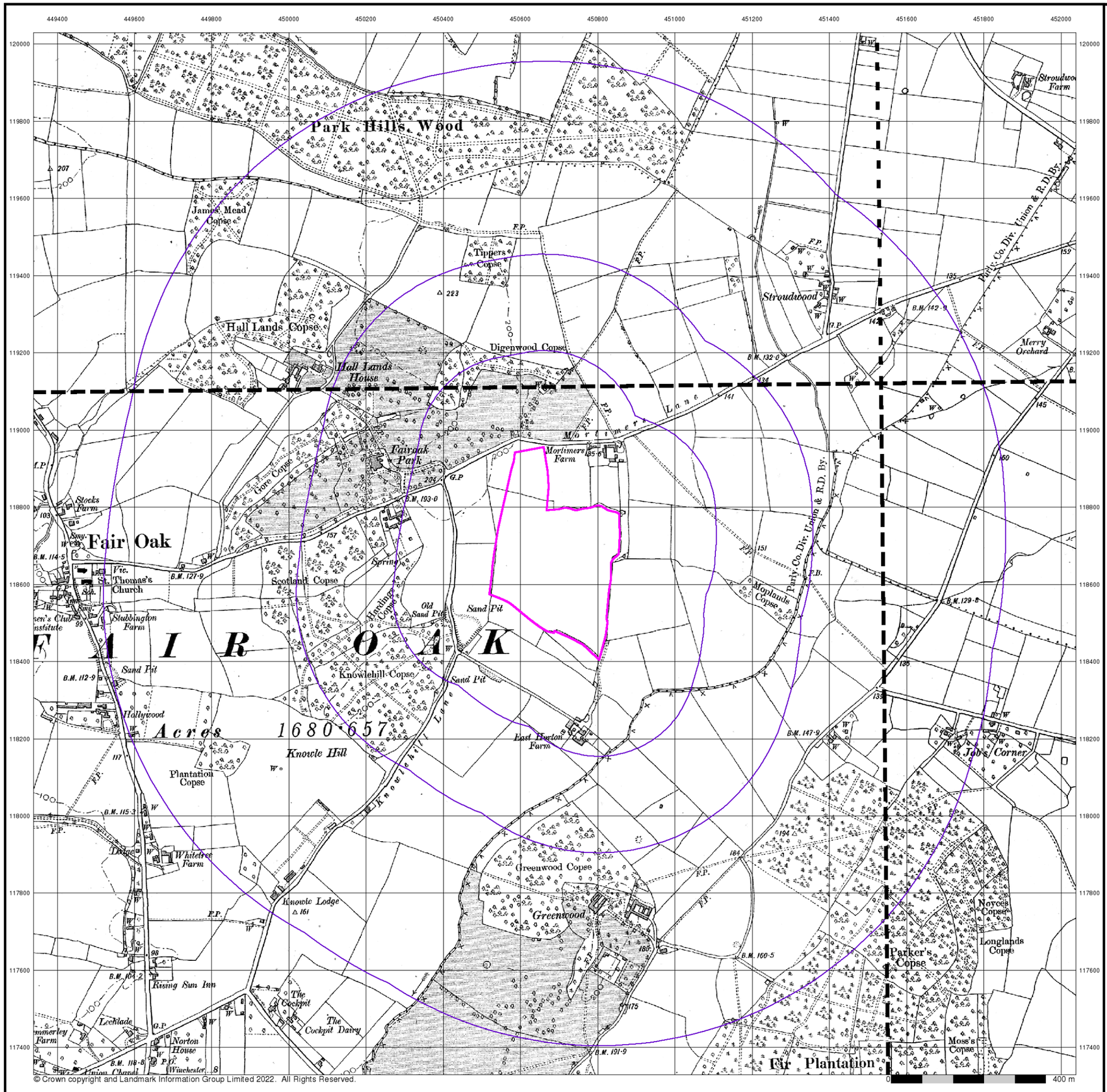
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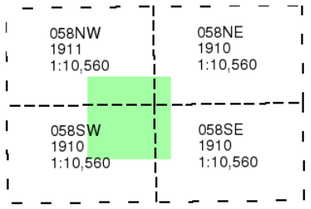
Hampshire & Isle Of Wight

Published 1910 - 1911

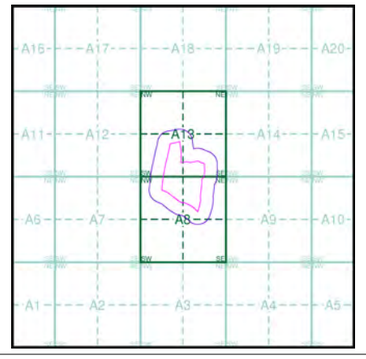
Source map scale - 1:10,560

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



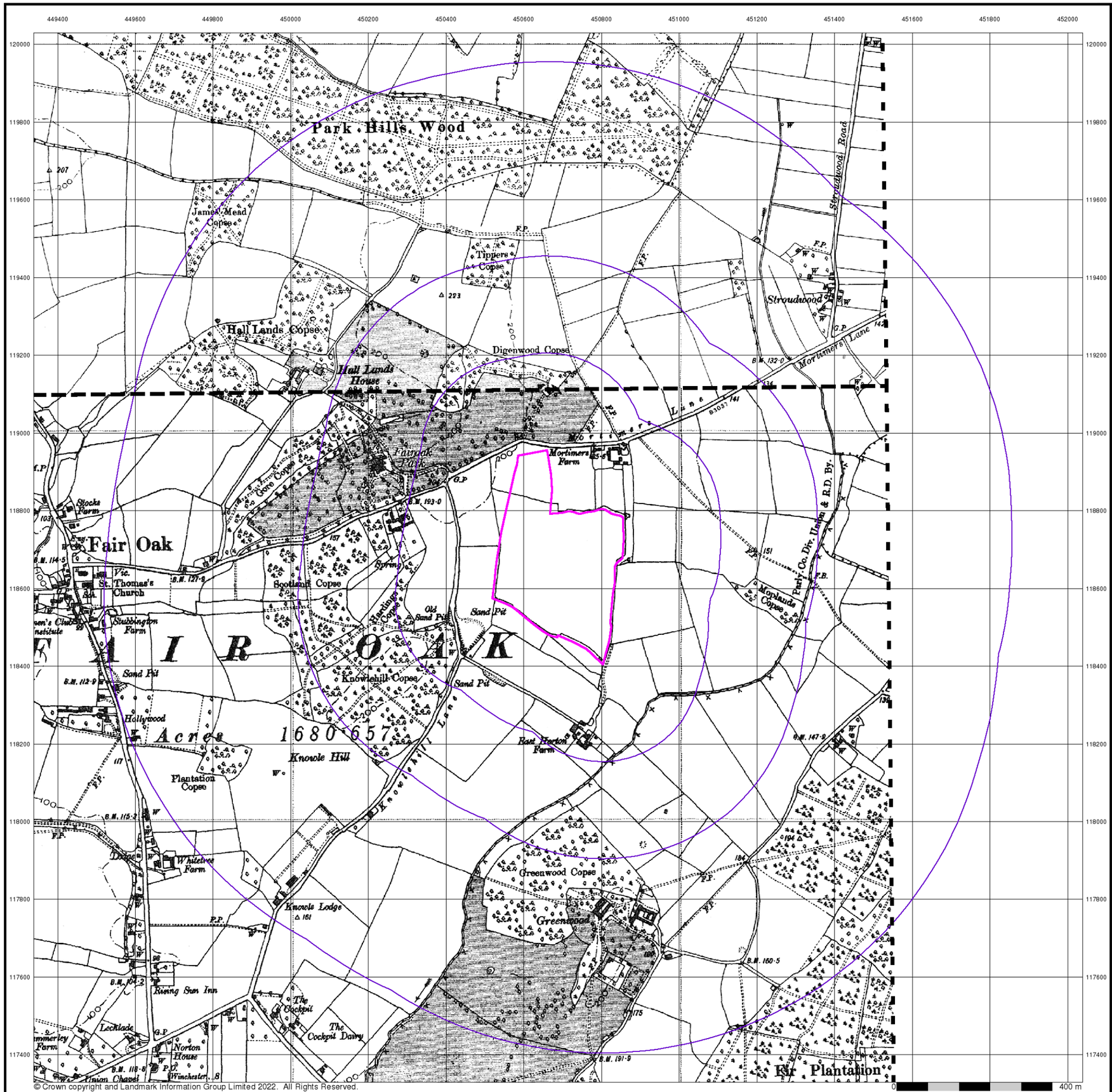
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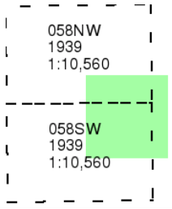
Hampshire & Isle Of Wight

Published 1939

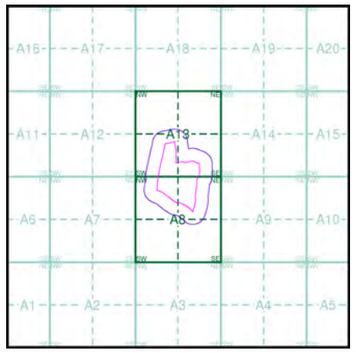
Source map scale - 1:10,560

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



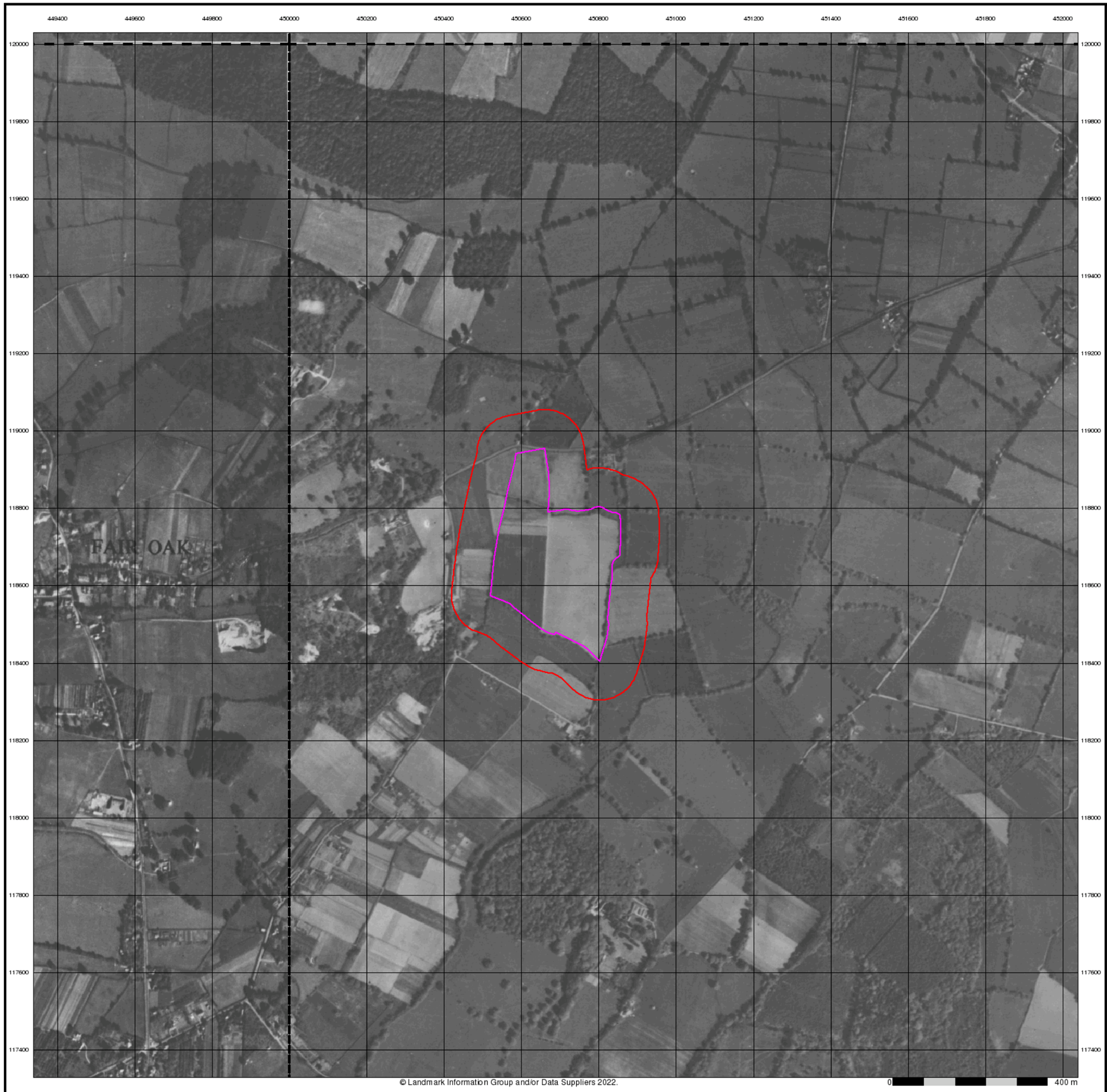
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Geo-Environmental

Historical Aerial Photography

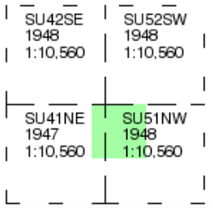
Published 1947 - 1948

Source map scale - 1:10,560

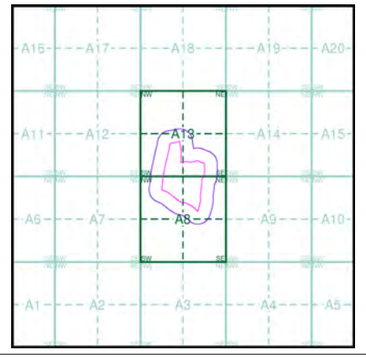
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



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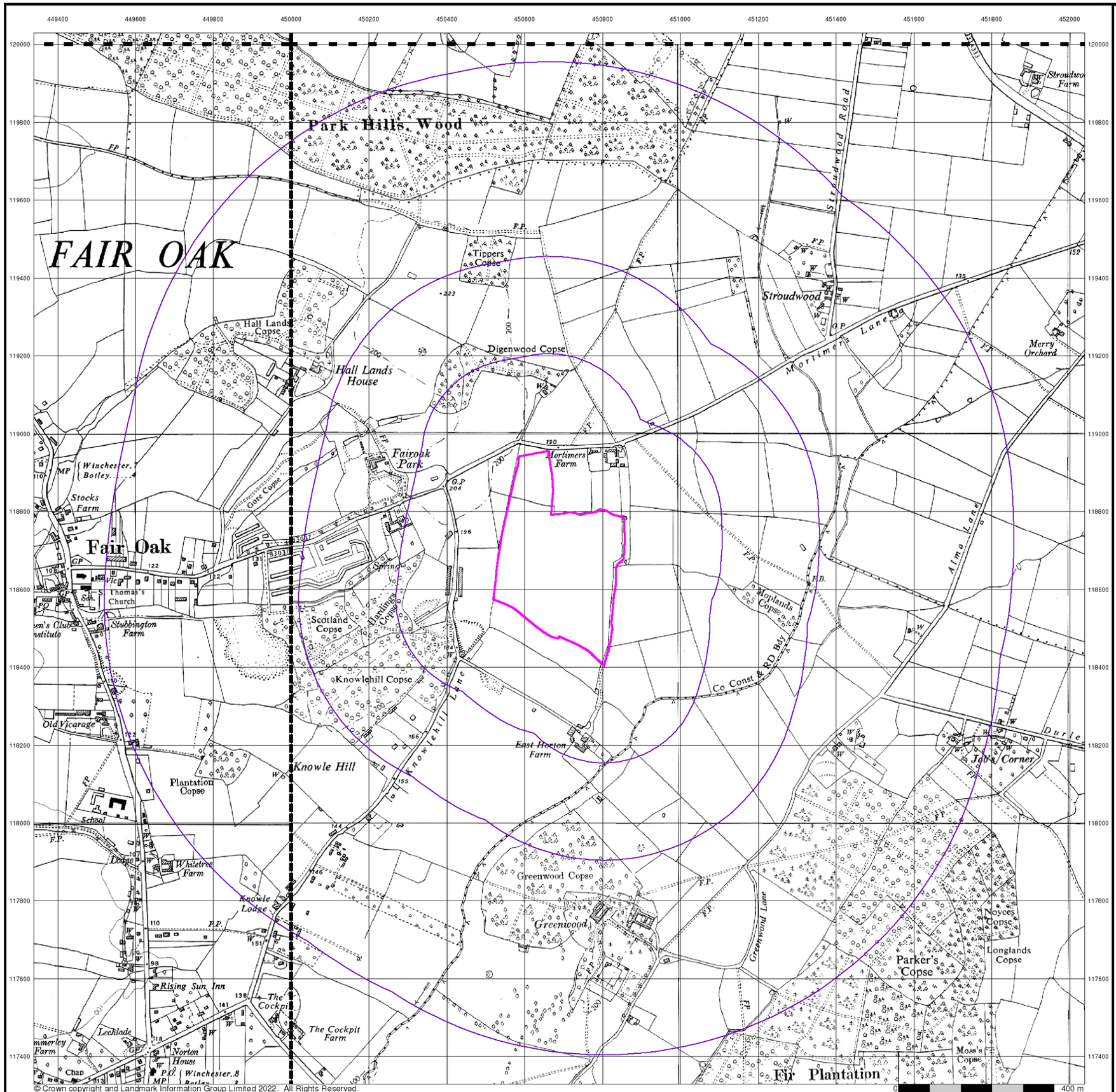
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Geo-Environmental

Ordnance Survey Plan

Published 1961 - 1963

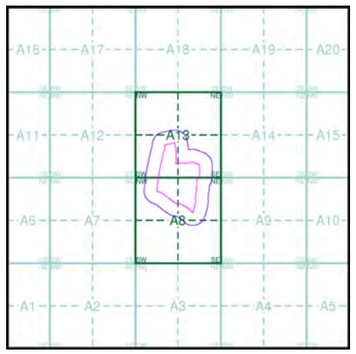
Source map scale - 1:10,000

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)

SU42SE 1962 1:10,560	SU52SW 1961 1:10,560
SU41NE 1963 1:10,560	SU51NW 1962 1:10,560

Historical Map - Slice A



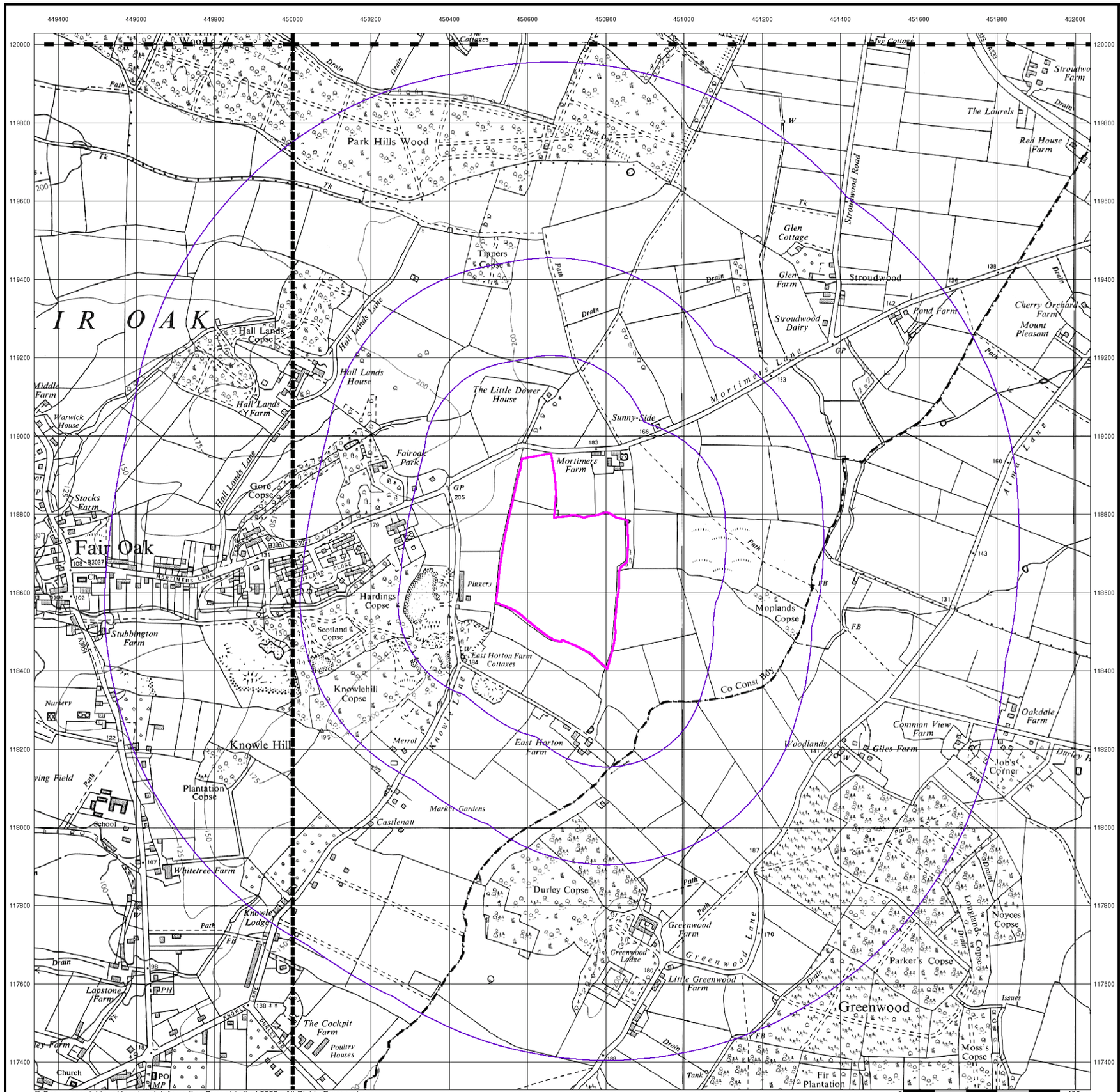
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Geo-Environmental

Ordnance Survey Plan

Published 1968

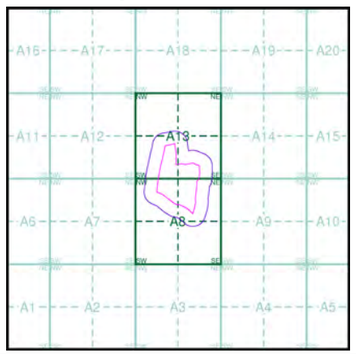
Source map scale - 1:10,000

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)

SU42SE 1968 1:10,560	SU52SW 1968 1:10,560
SU41NE 1968 1:10,560	SU51NW 1968 1:10,560

Historical Map - Slice A



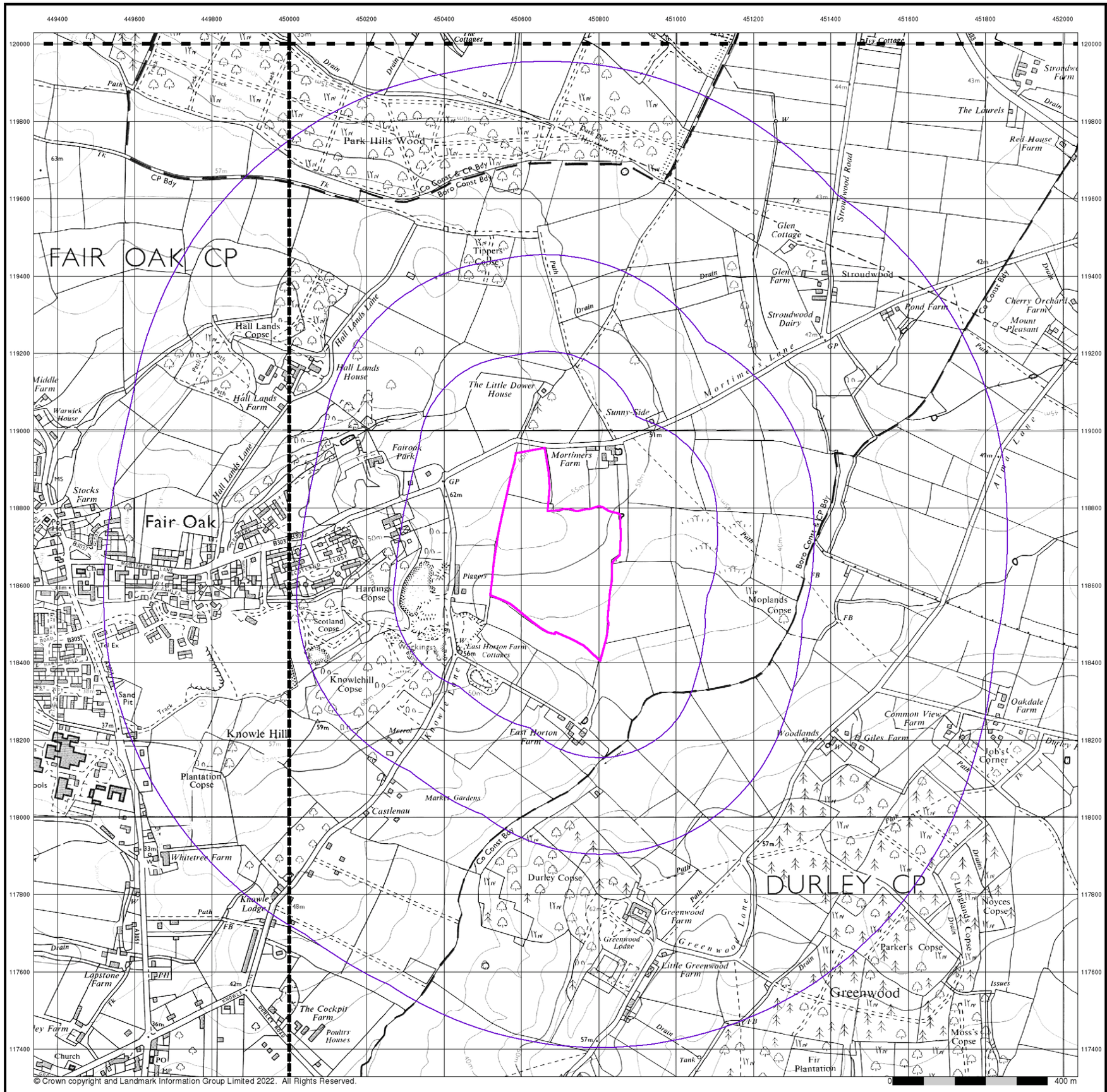
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Geo-Environmental

Ordnance Survey Plan

Published 1982 - 1987

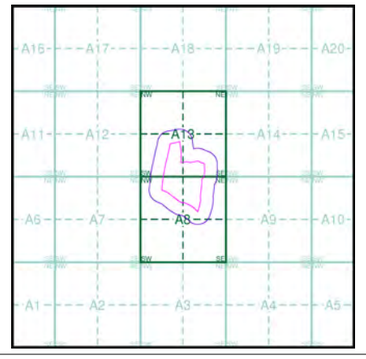
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Map Name(s) and Date(s)

SU42SE 1982 1:10,000	SU52SW 1984 1:10,000
SU41NE 1983 1:10,000	SU51NW 1987 1:10,000

Historical Map - Slice A



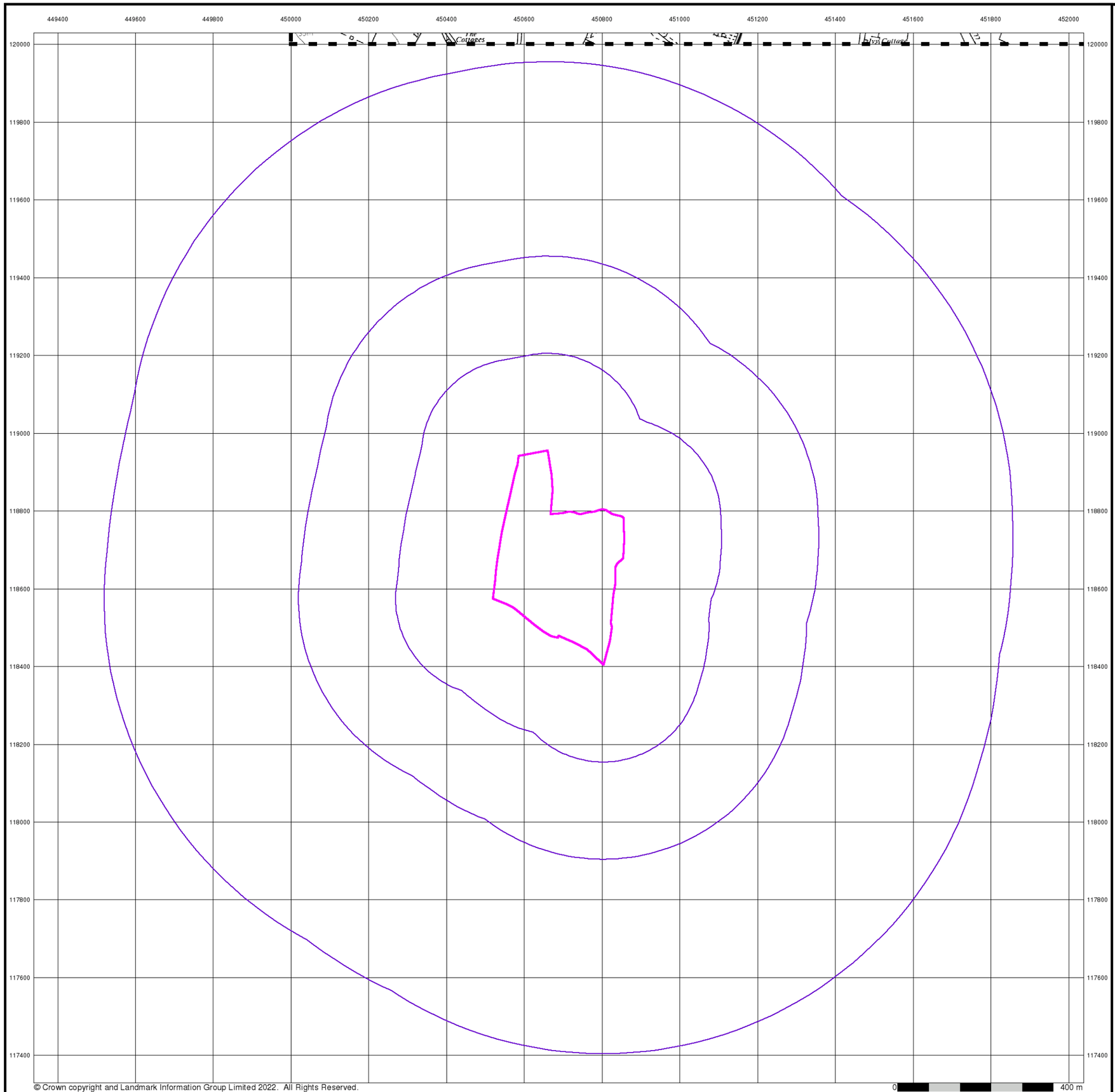
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Site Details

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Geo-Environmental

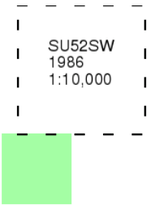
Ordnance Survey Plan

Published 1986

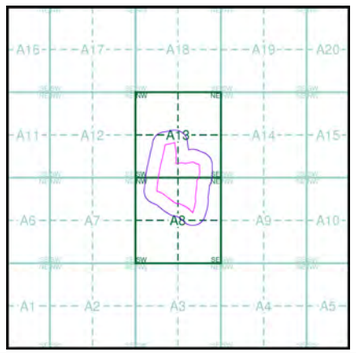
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

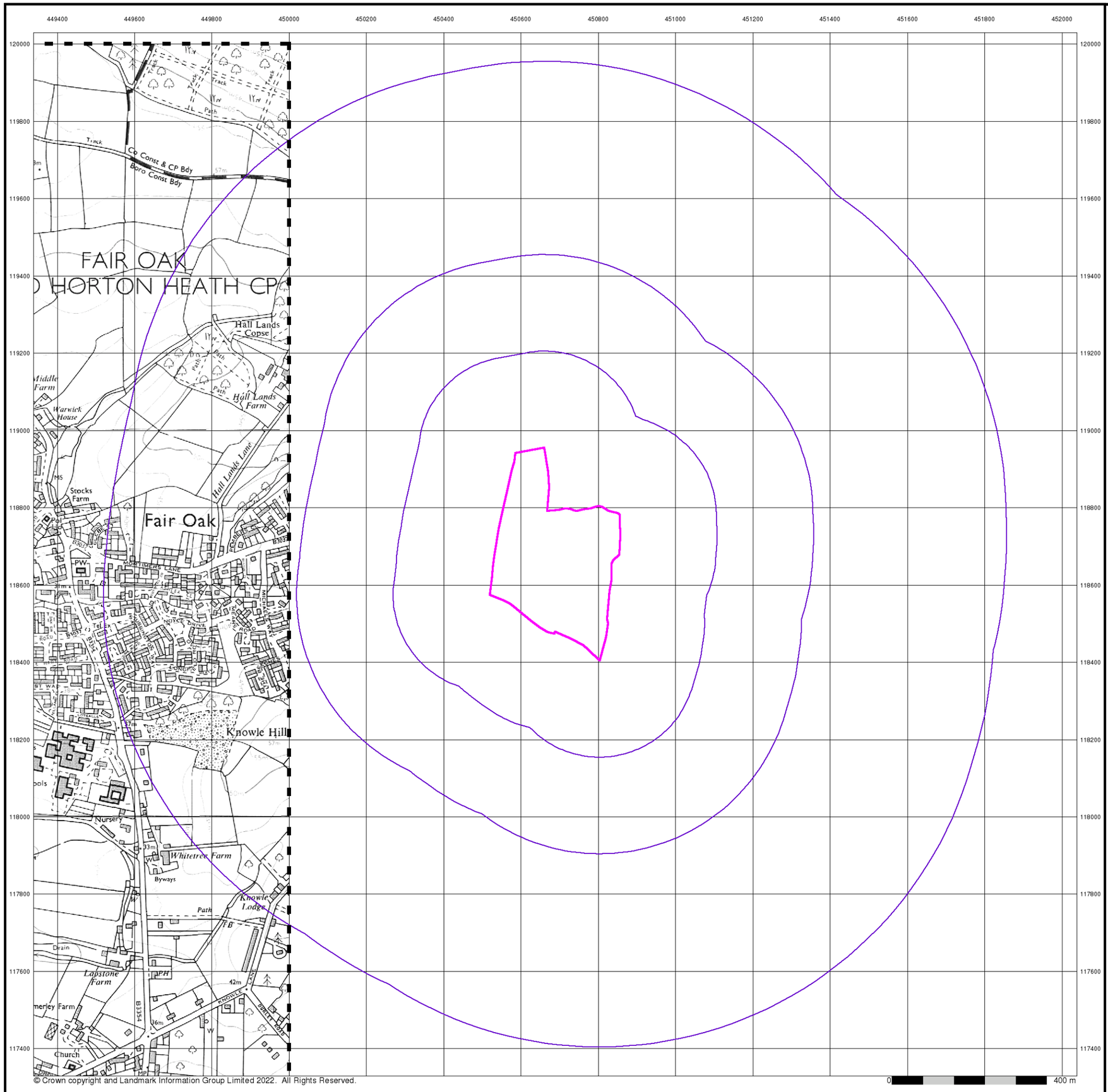
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Geo-Environmental

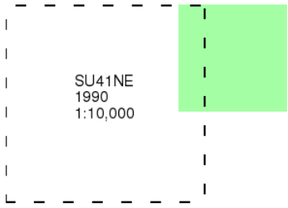
Ordnance Survey Plan

Published 1990

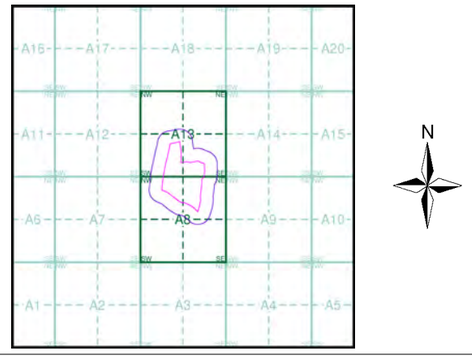
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



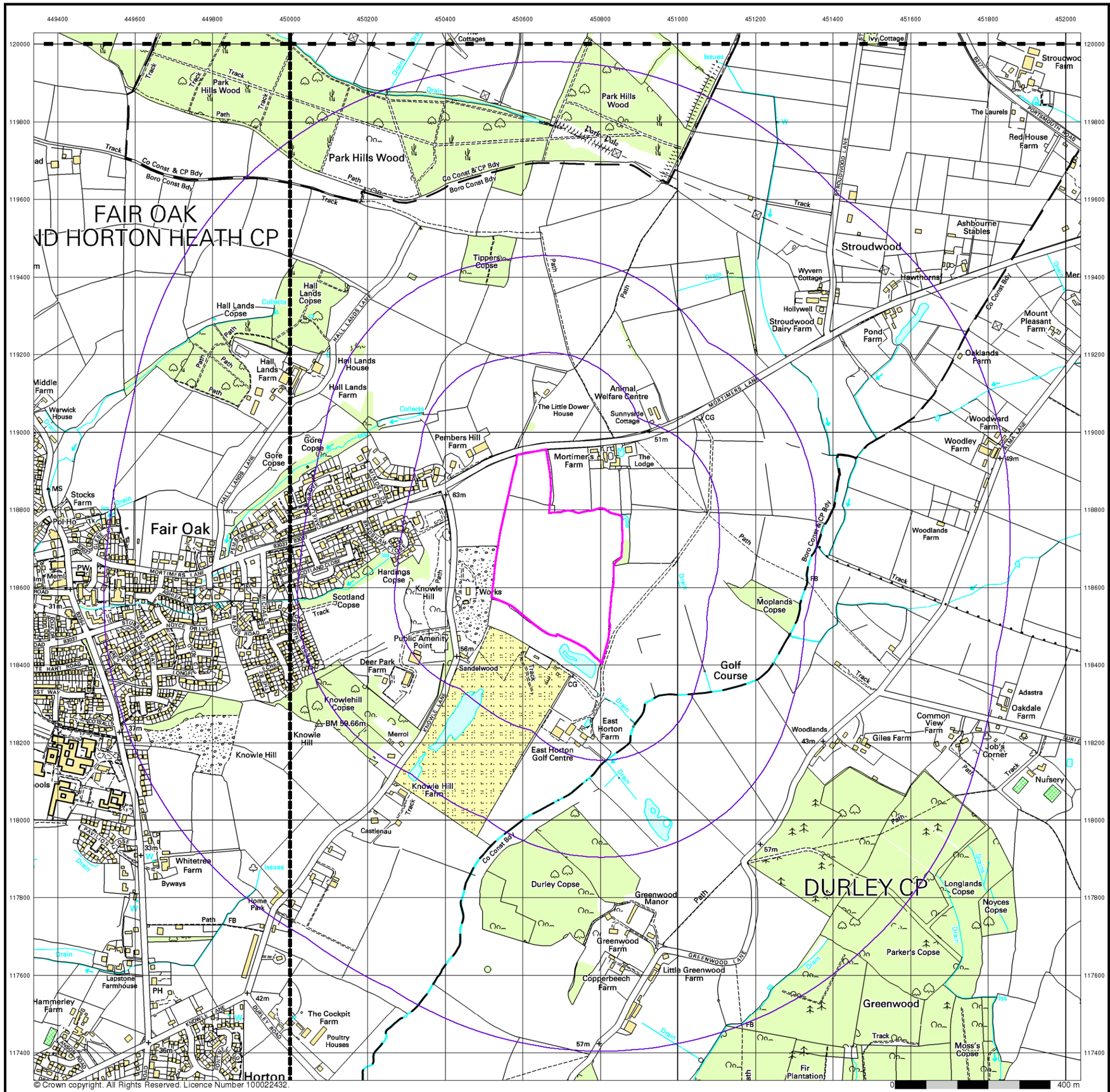
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Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

10k Raster Mapping

Published 2000

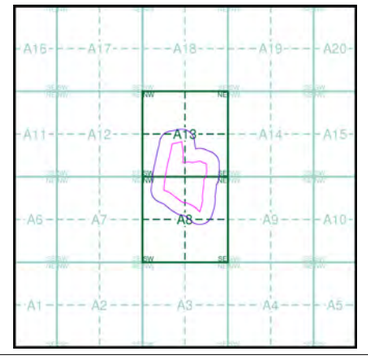
Source map scale - 1:10,000

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)

SU42SE 2000 1:10,000	SU52SW 2000 1:10,000
SU41NE 2000 1:10,000	SU51NW 2000 1:10,000

Historical Map - Slice A



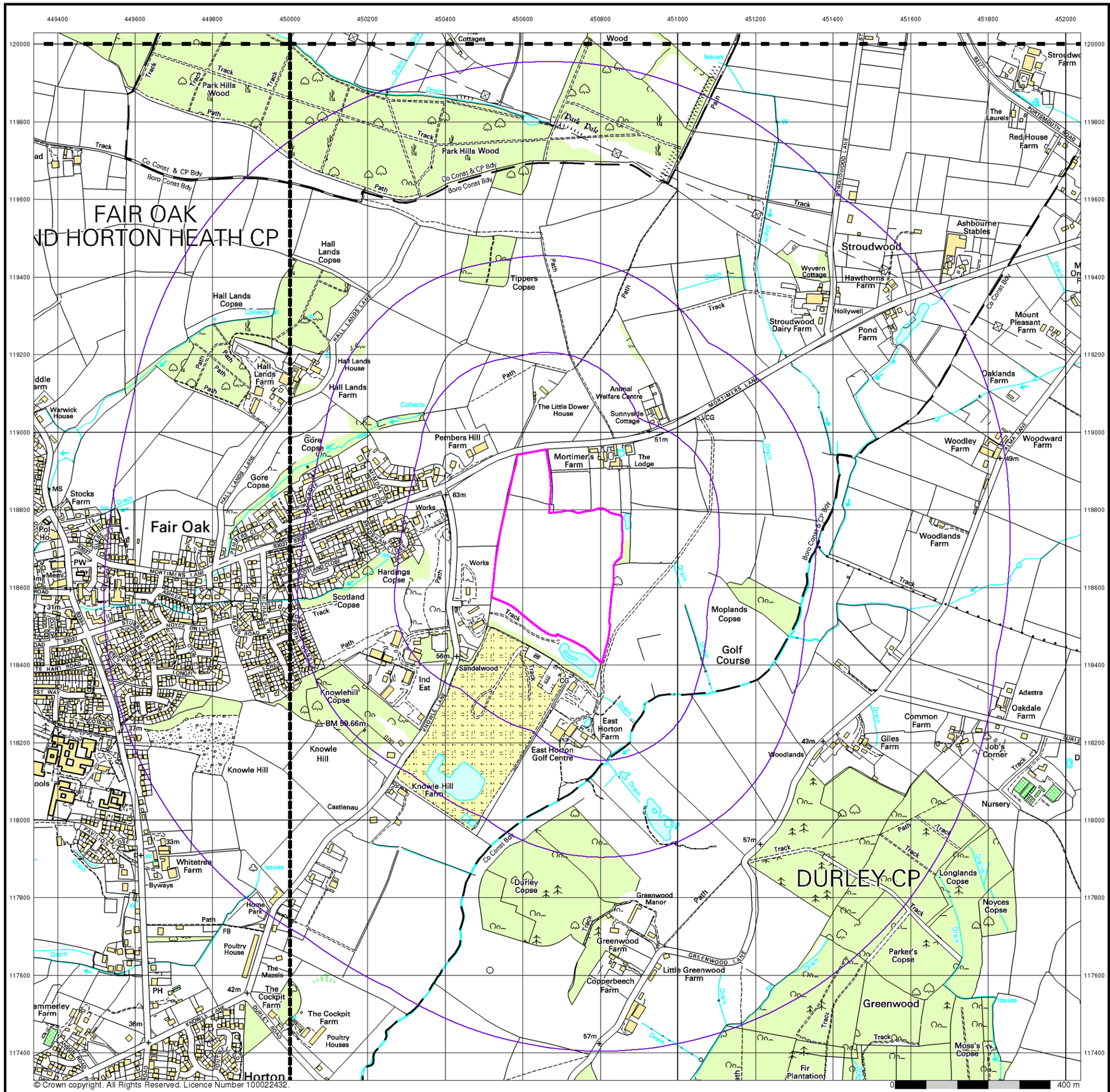
Order Details

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National Grid Reference:	450690, 118680
Slice:	A
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Search Buffer (m):	1000

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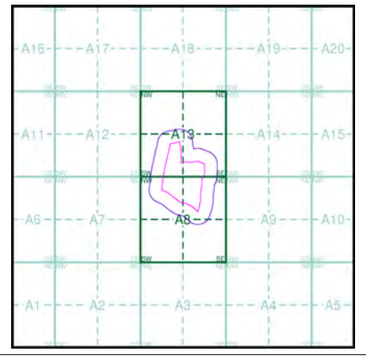
Geo-Environmental
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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)

SU42SE 2006 1:10,000	SU52SW 2006 1:10,000
SU41NE 2006 1:10,000	SU51NW 2006 1:10,000

Historical Map - Slice A



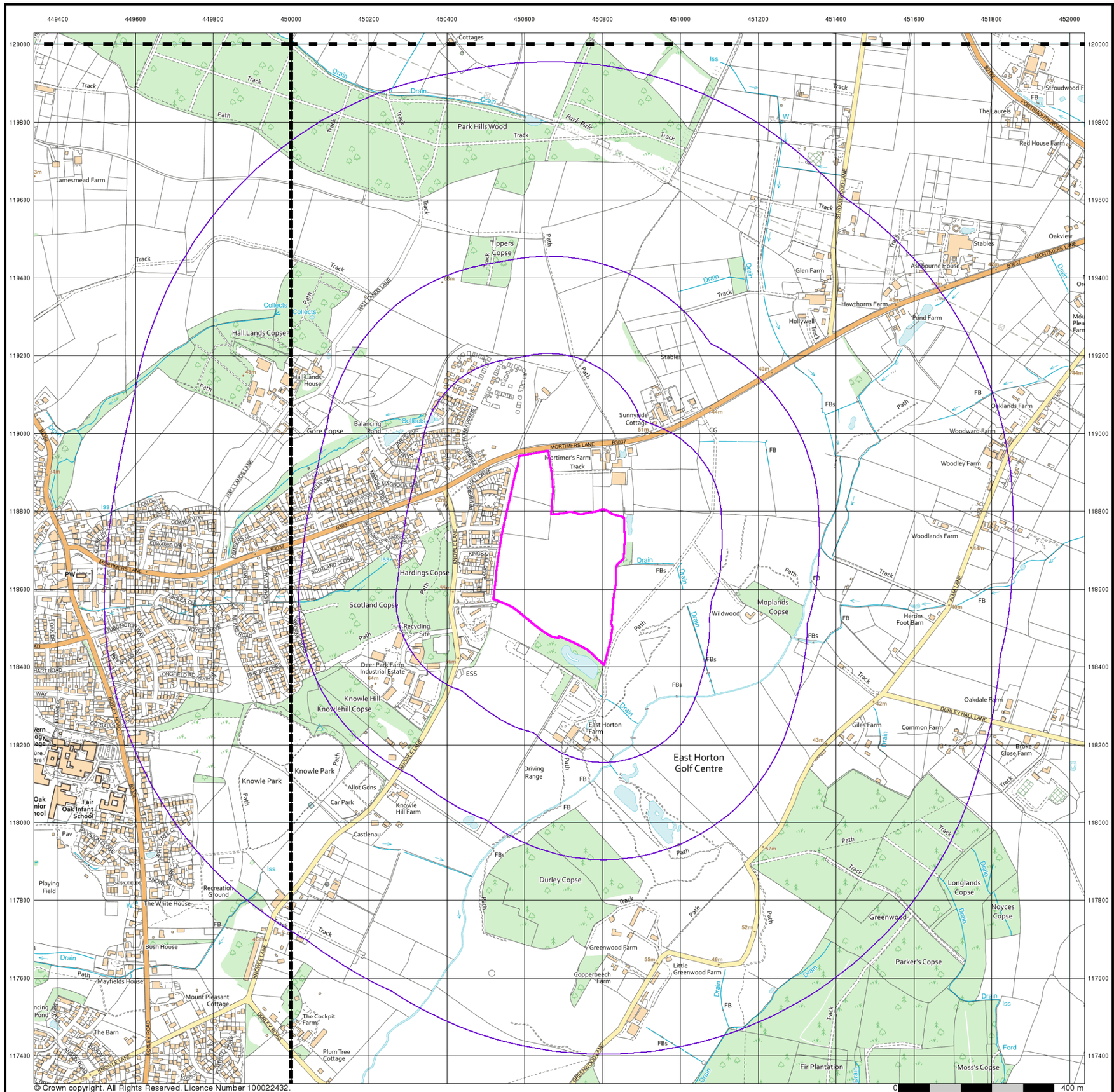
Order Details

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Slice:	A
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Search Buffer (m):	1000

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Geo-Environmental

VectorMap Local

Published 2022

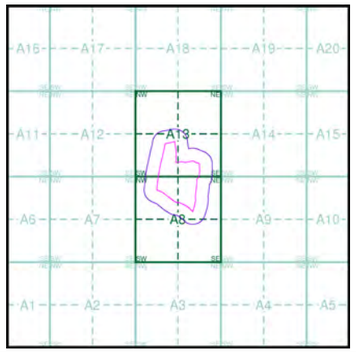
Source map scale - 1:10,000

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)

SU42SE 2022 Variable	SU52SW 2022 Variable
SU41NE 2022 Variable	SU51NW 2022 Variable

Historical Map - Slice A



Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
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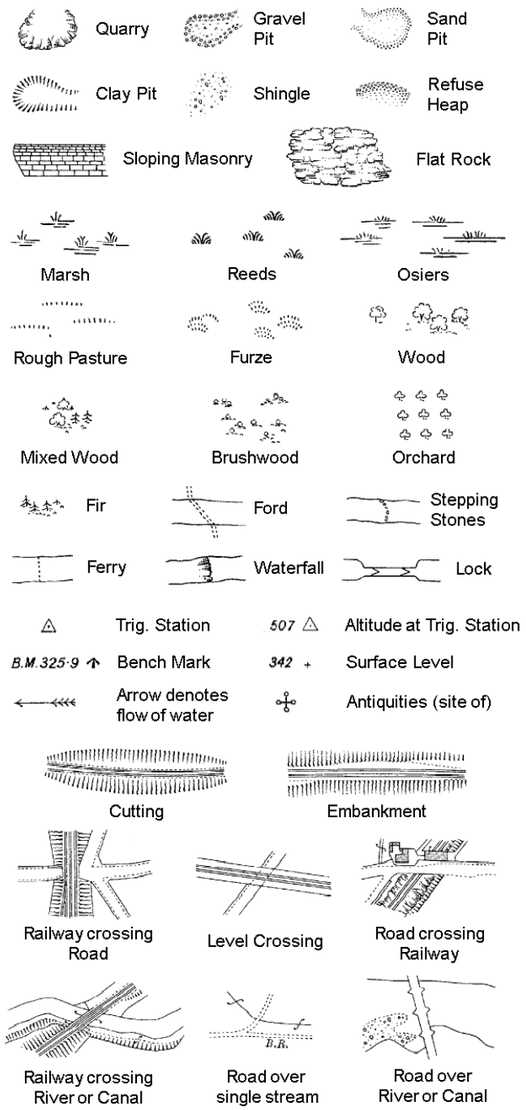
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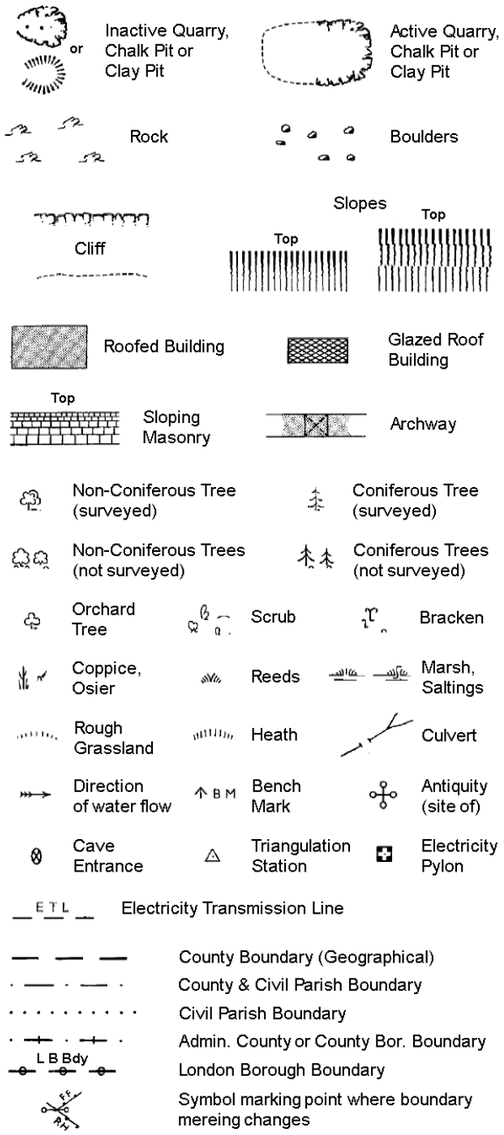
Historical Mapping Legends

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



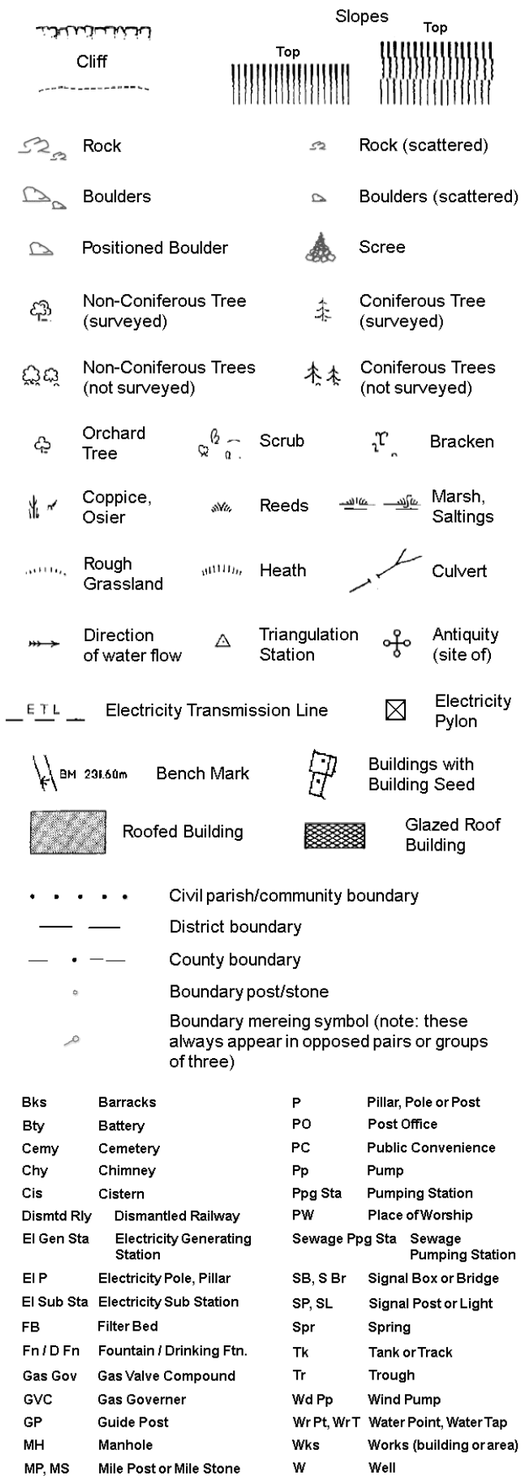
B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



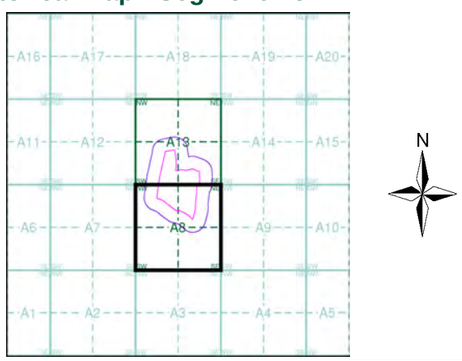
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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 Governer	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	1885	2
Hampshire & Isle Of Wight	1:2,500	1896	3
Hampshire & Isle Of Wight	1:2,500	1909	4
Hampshire & Isle Of Wight	1:2,500	1941	5
Ordnance Survey Plan	1:2,500	1963	6
Supply of Unpublished Survey Information	1:2,500	1974	7
Ordnance Survey Plan	1:1,250	1984	8
Additional SIMs	1:2,500	1988	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:1,250	1993	11
Large-Scale National Grid Data	1:2,500	1996	12
Large-Scale National Grid Data	1:1,250	1996	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A8



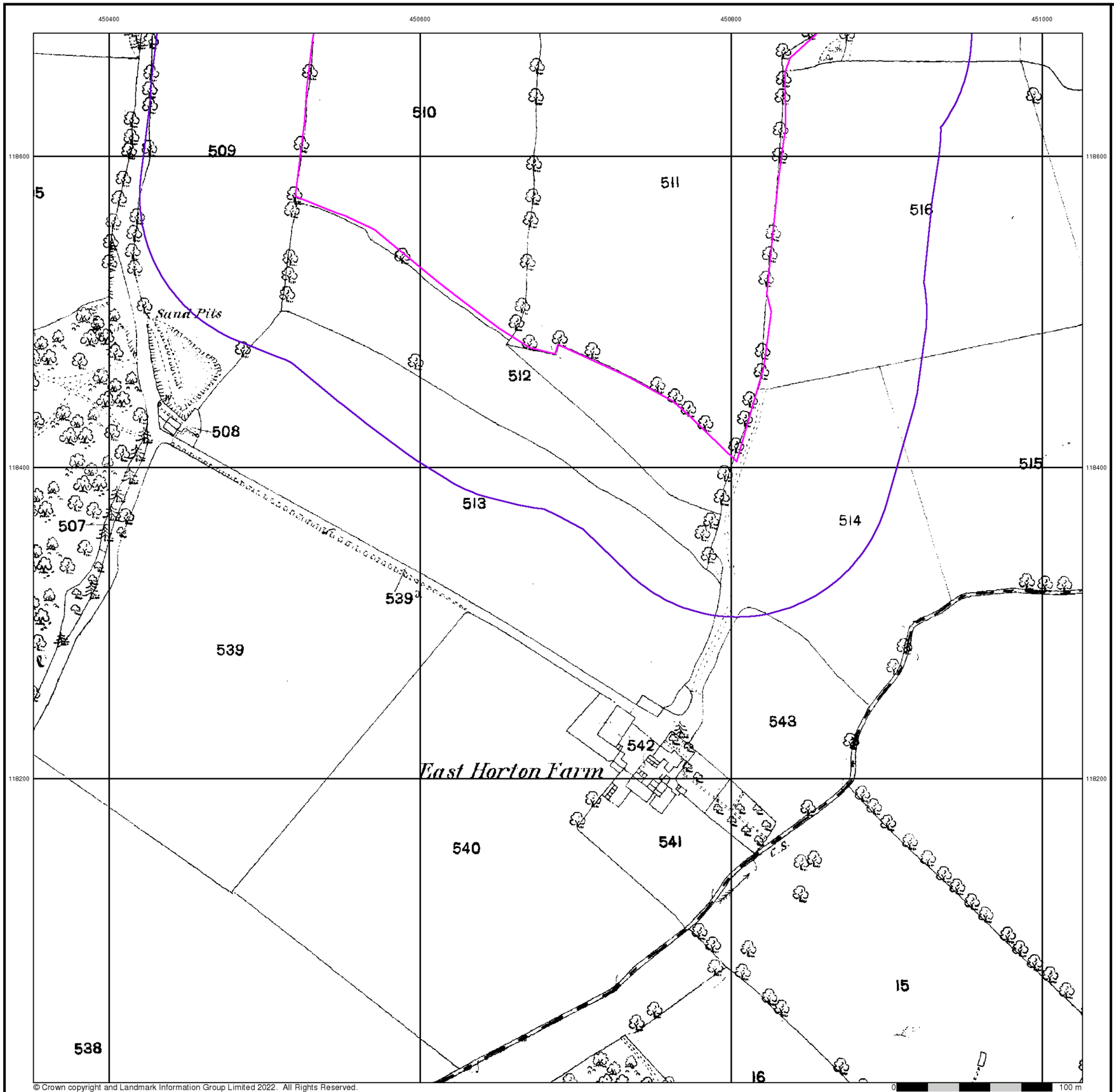
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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

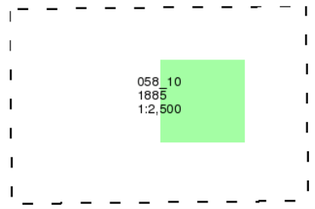
Hampshire & Isle Of Wight

Published 1885

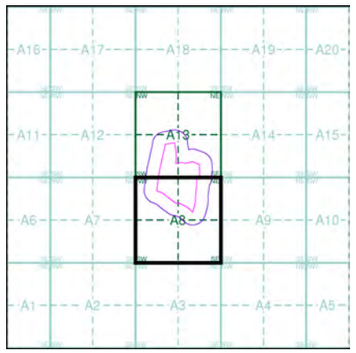
Source map scale - 1:2,500

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 A8



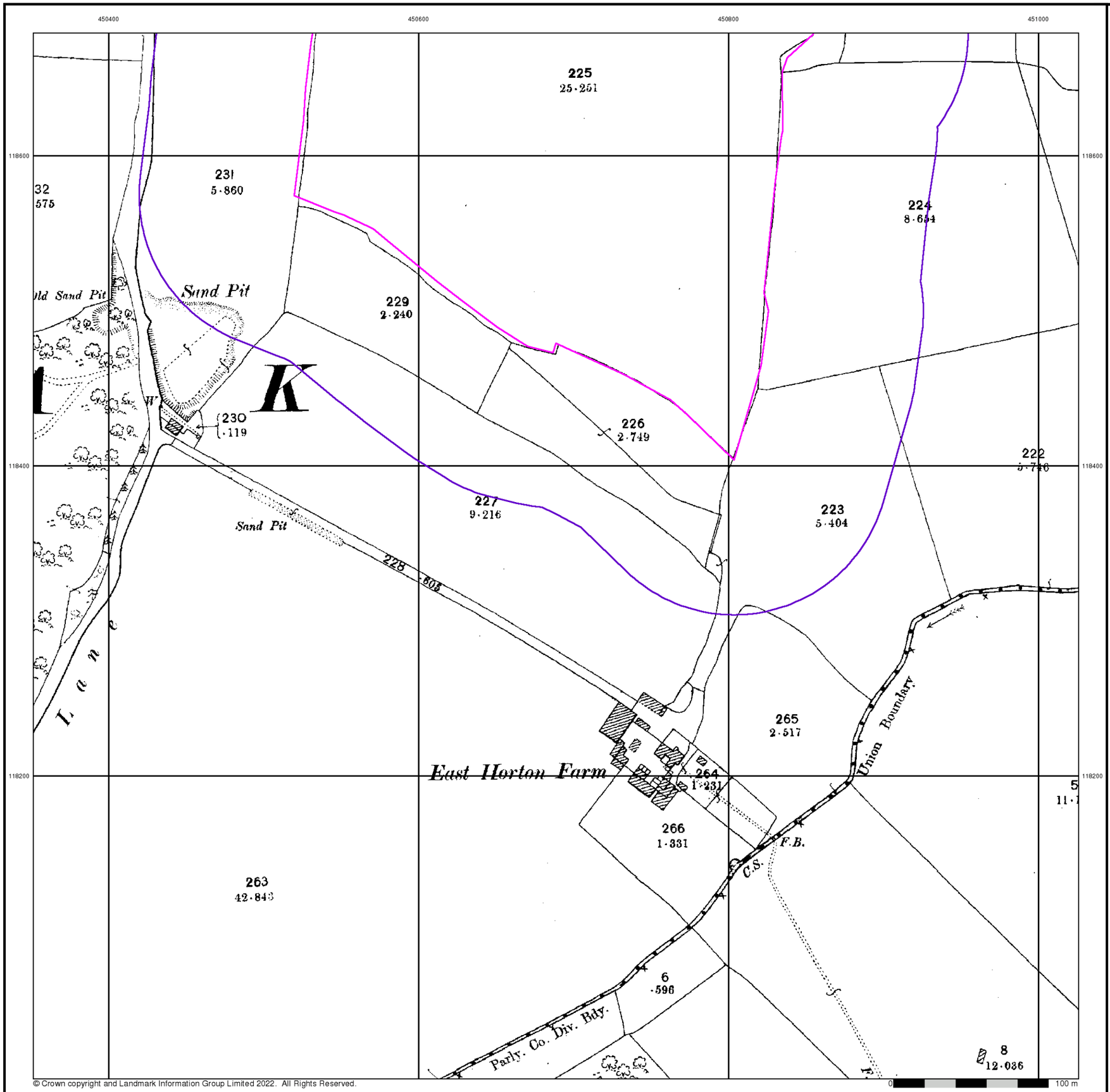
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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
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Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

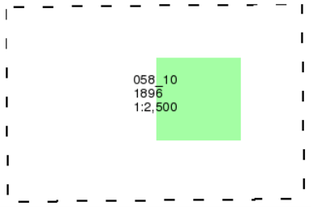
Hampshire & Isle Of Wight

Published 1896

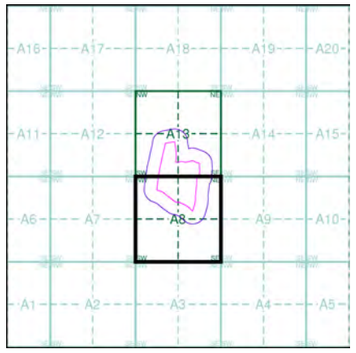
Source map scale - 1:2,500

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 A8



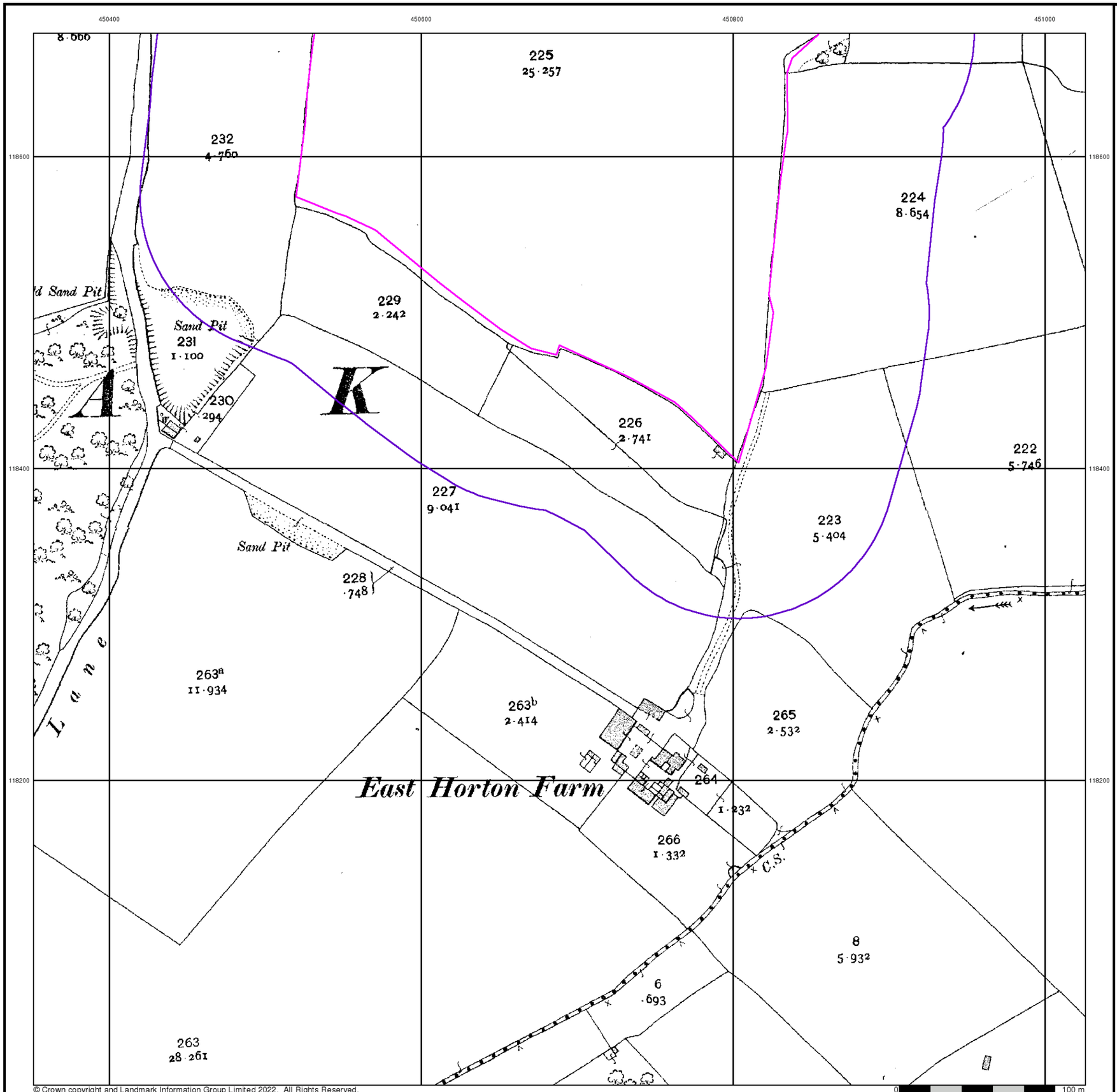
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Site Details

Site at 450680, 118690

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Geo-Environmental

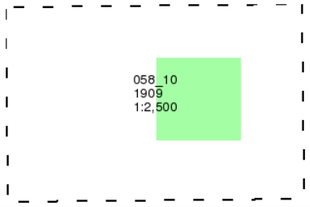
Hampshire & Isle Of Wight

Published 1909

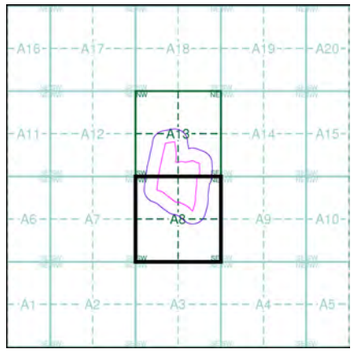
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A8



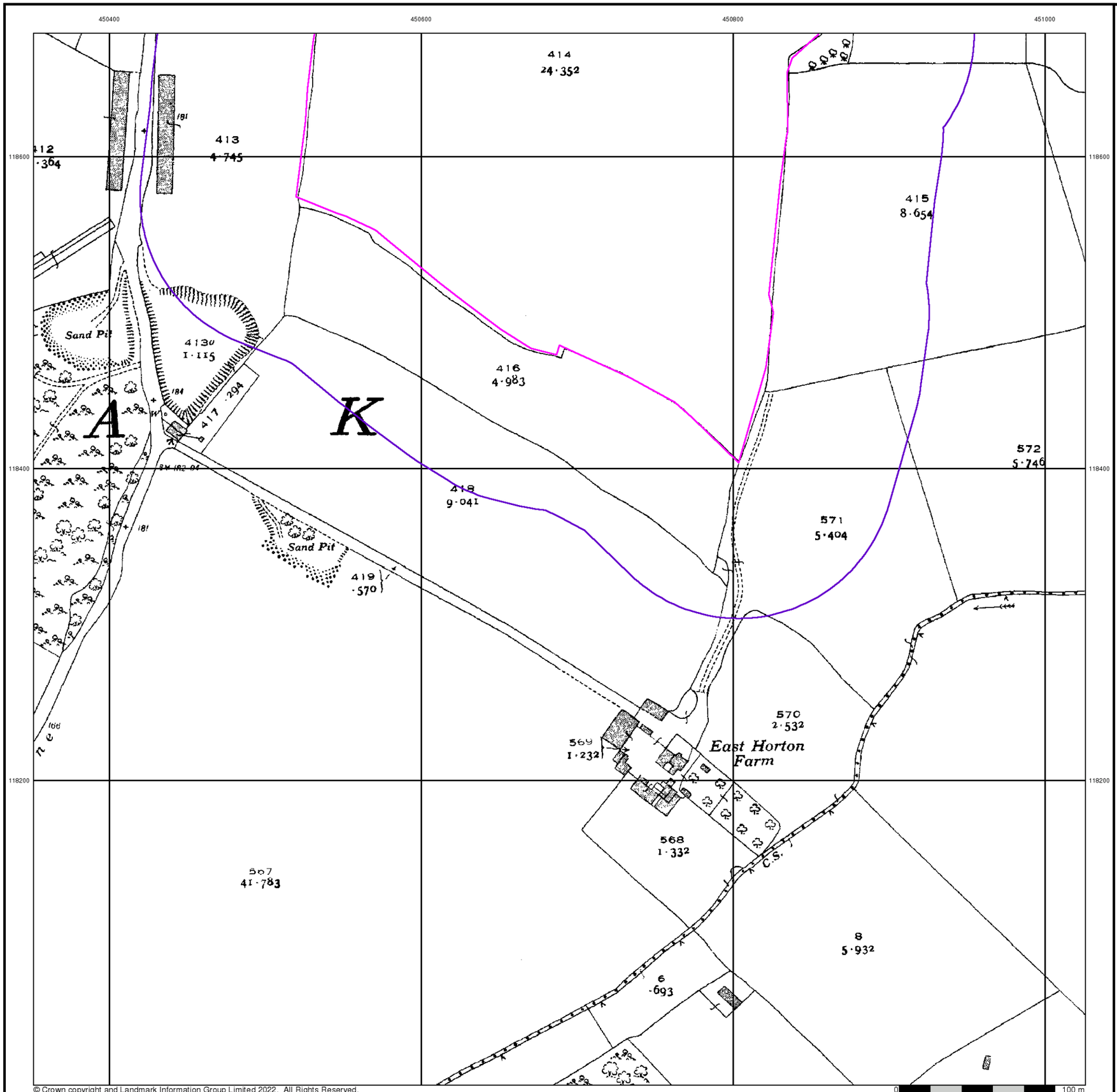
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Site Details

Site at 450680, 118690

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Geo-Environmental

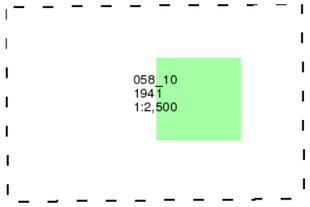
Hampshire & Isle Of Wight

Published 1941

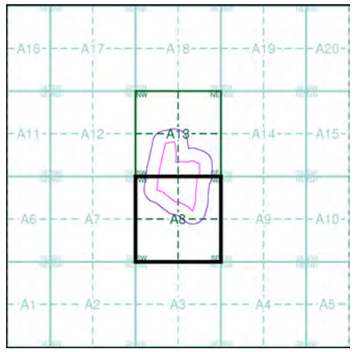
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Map Name(s) and Date(s)



Historical Map - Segment A8



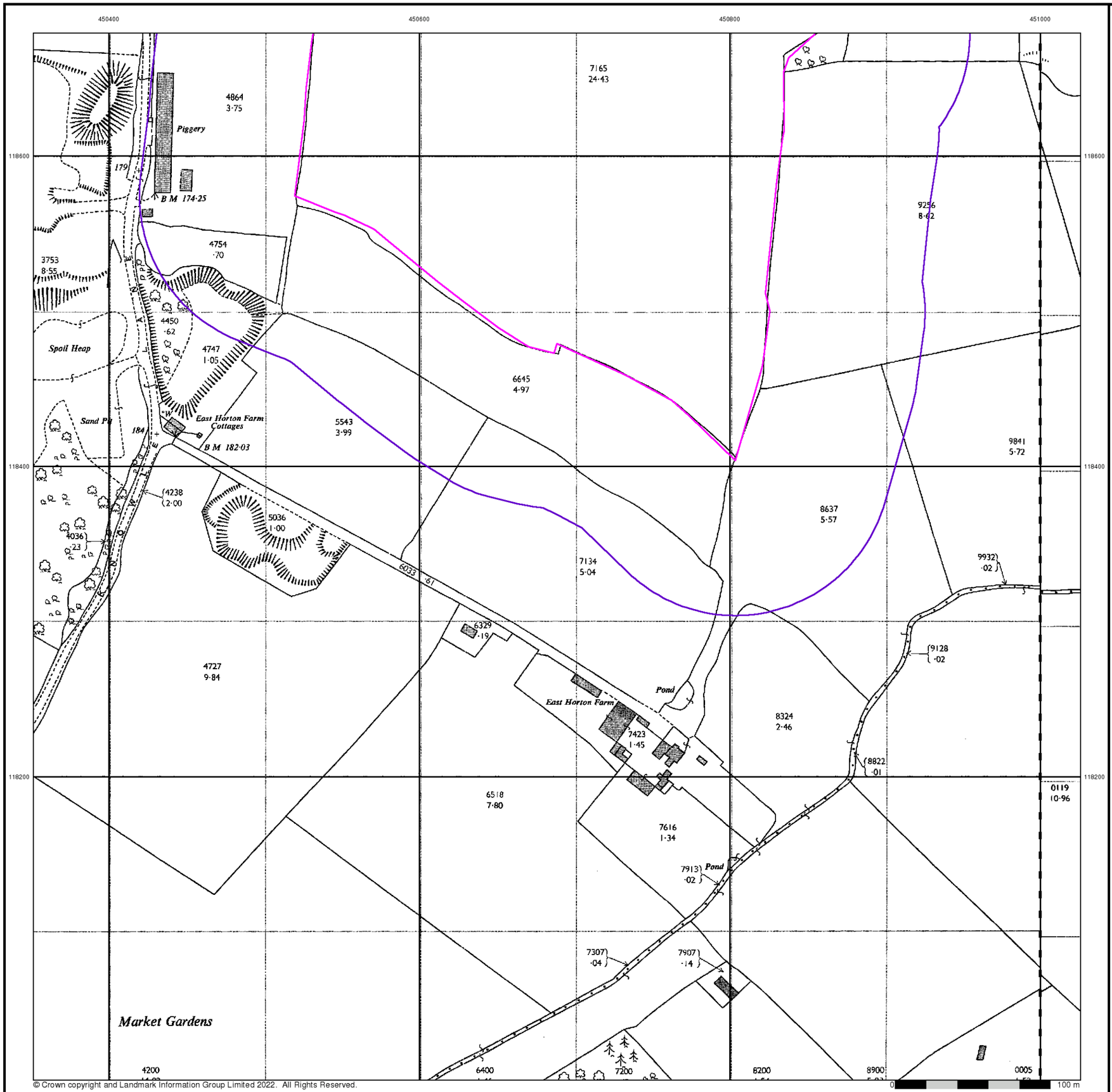
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Search Buffer (m):	100

Site Details

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Geo-Environmental

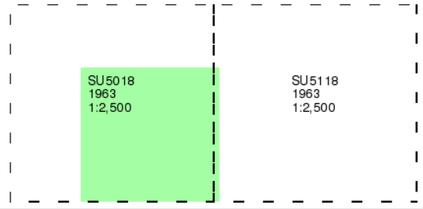
Ordnance Survey Plan

Published 1963

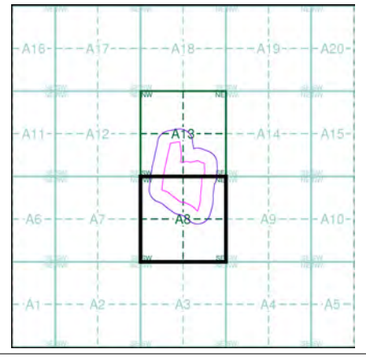
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Map Name(s) and Date(s)



Historical Map - Segment A8



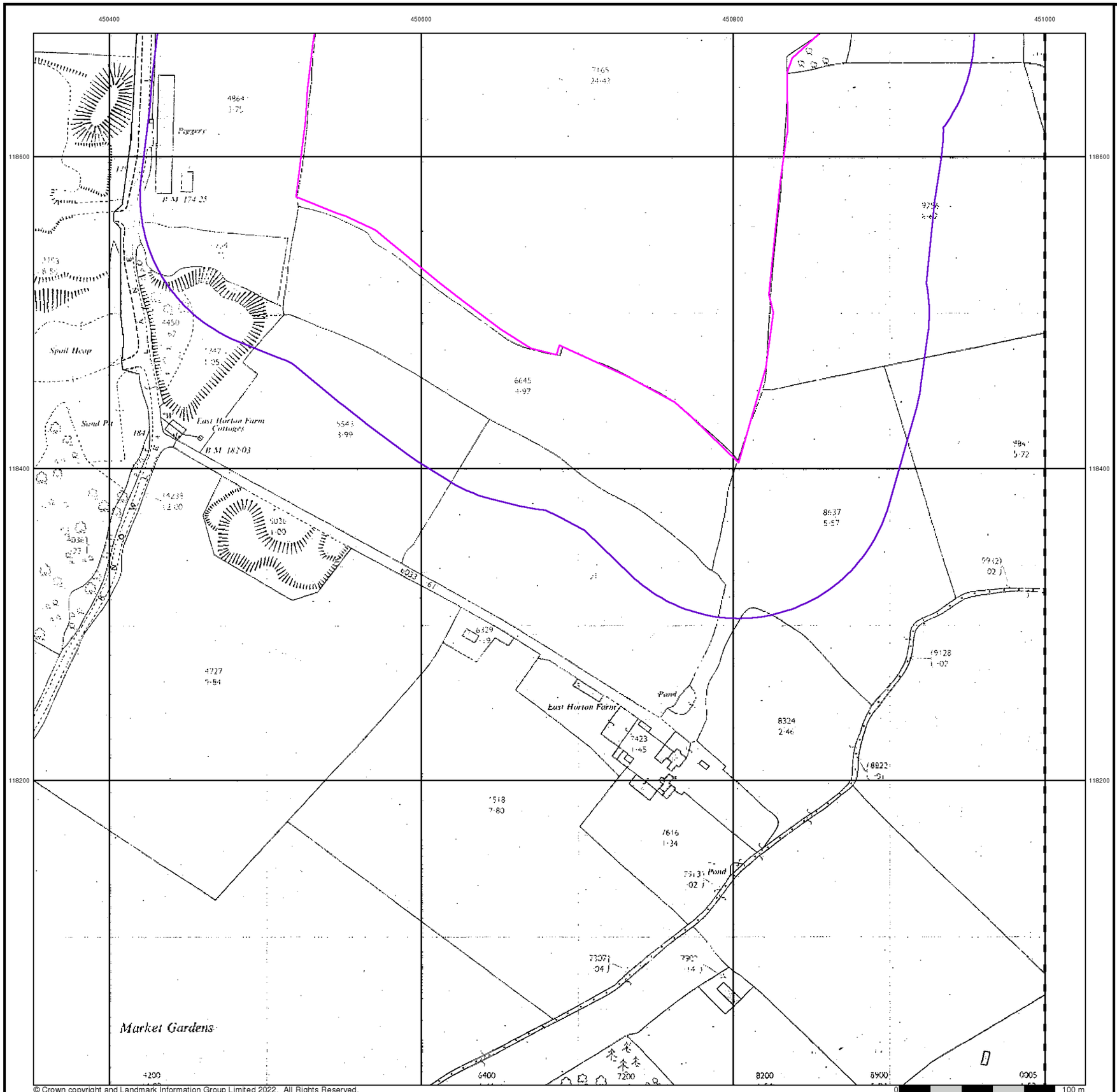
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Search Buffer (m):	100

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Geo-Environmental

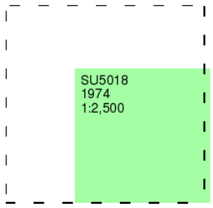
Supply of Unpublished Survey Information

Published 1974

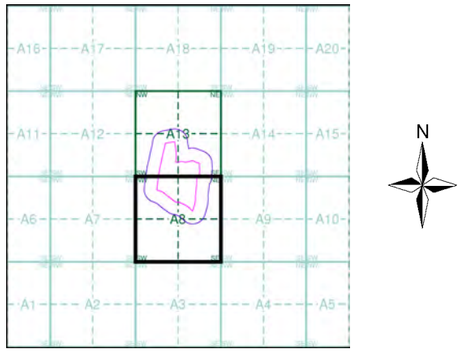
Source map scale - 1:2,500

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 A8



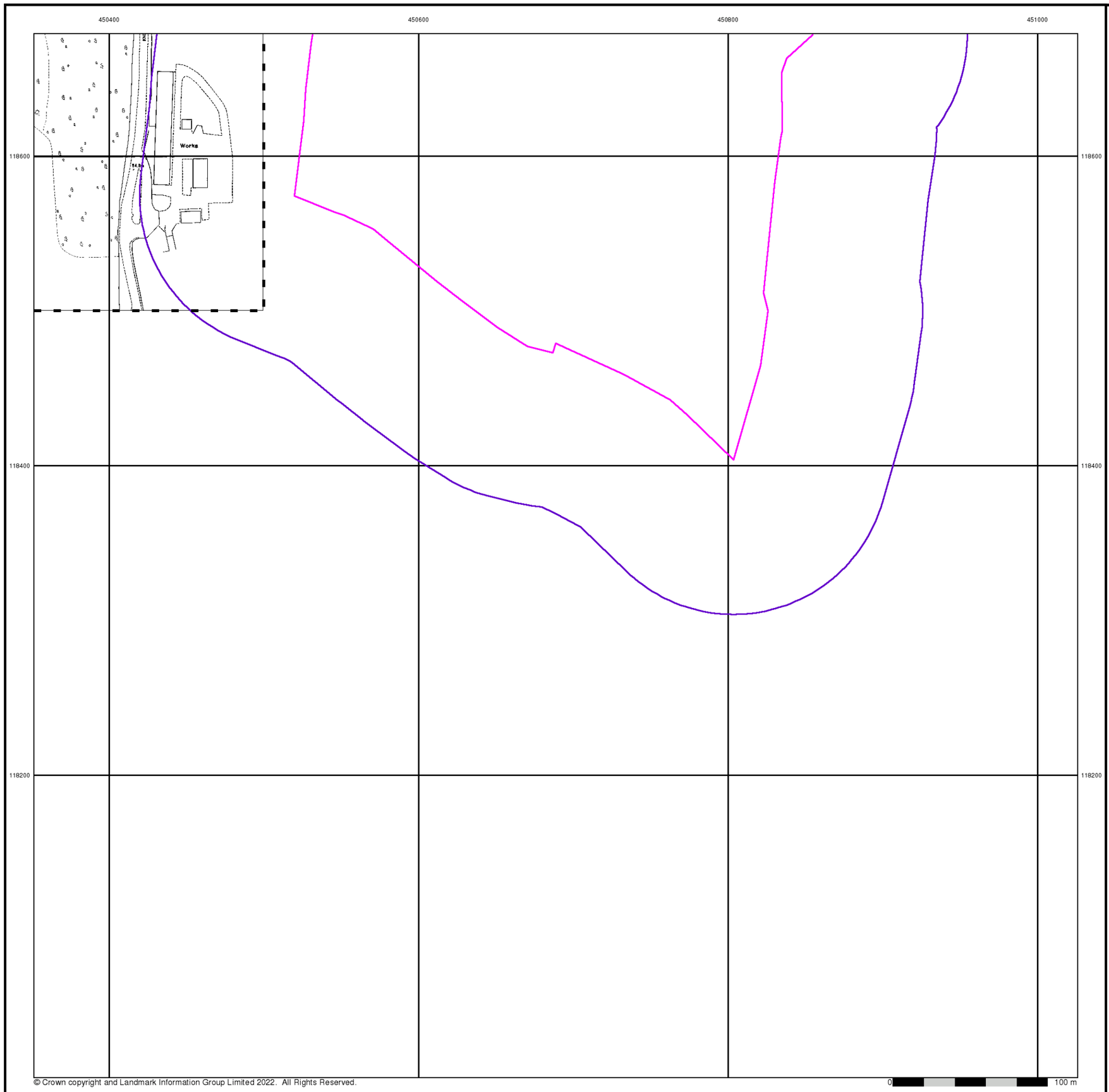
Order Details

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Slice:	A
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Search Buffer (m):	100

Site Details

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Geo-Environmental

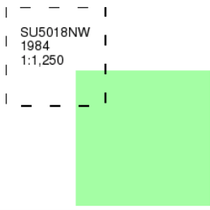
Ordnance Survey Plan

Published 1984

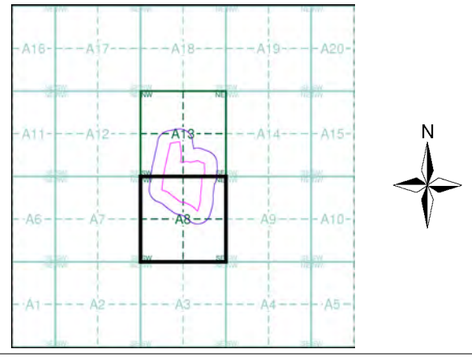
Source map scale - 1:1,250

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 A8



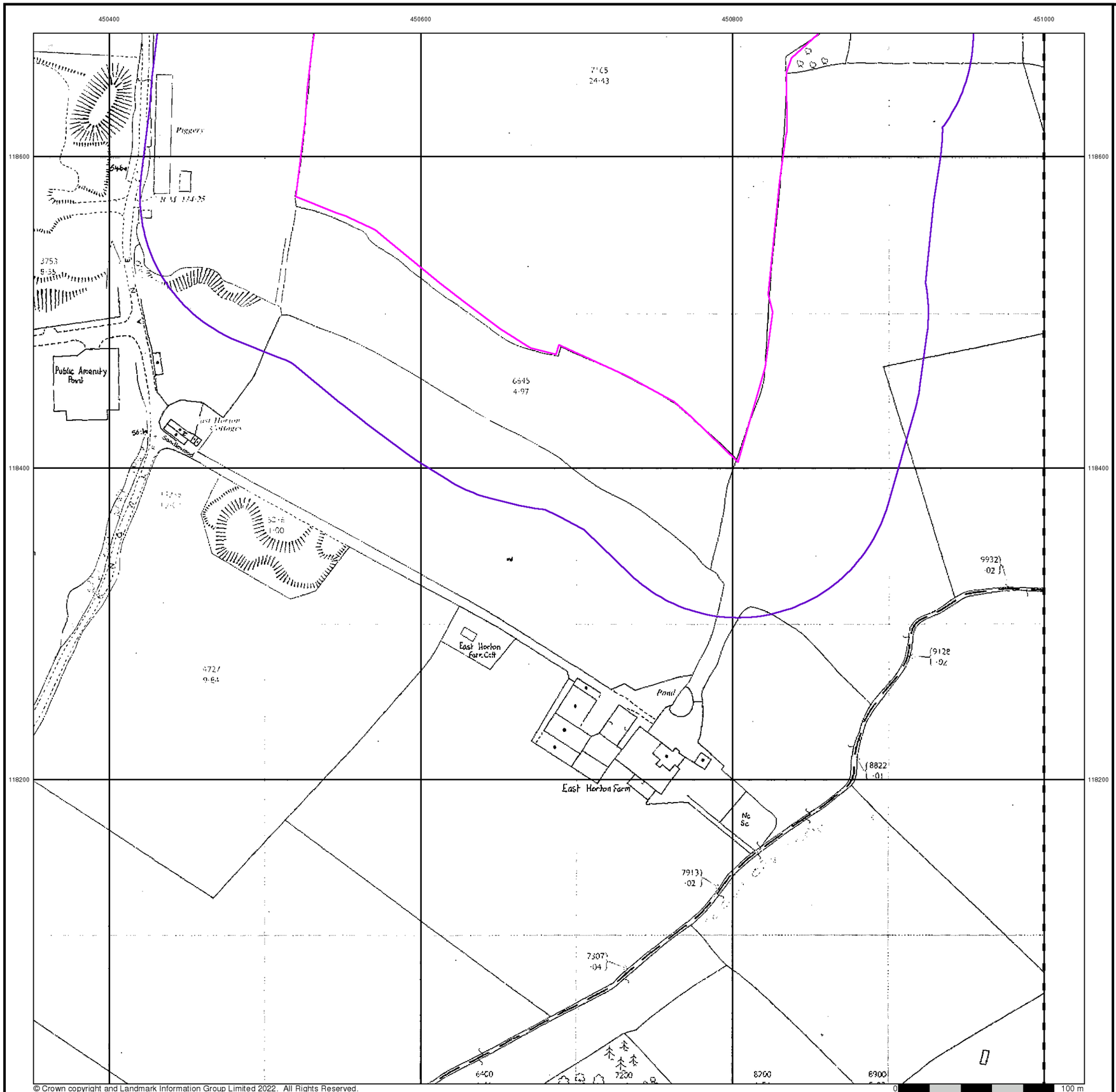
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

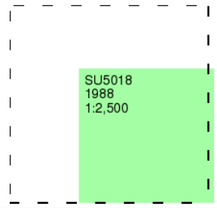
Additional SIMs

Published 1988

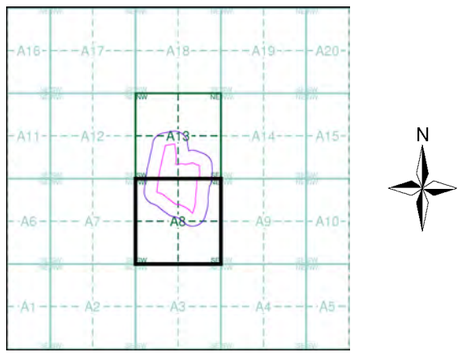
Source map scale - 1:2,500

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 A8



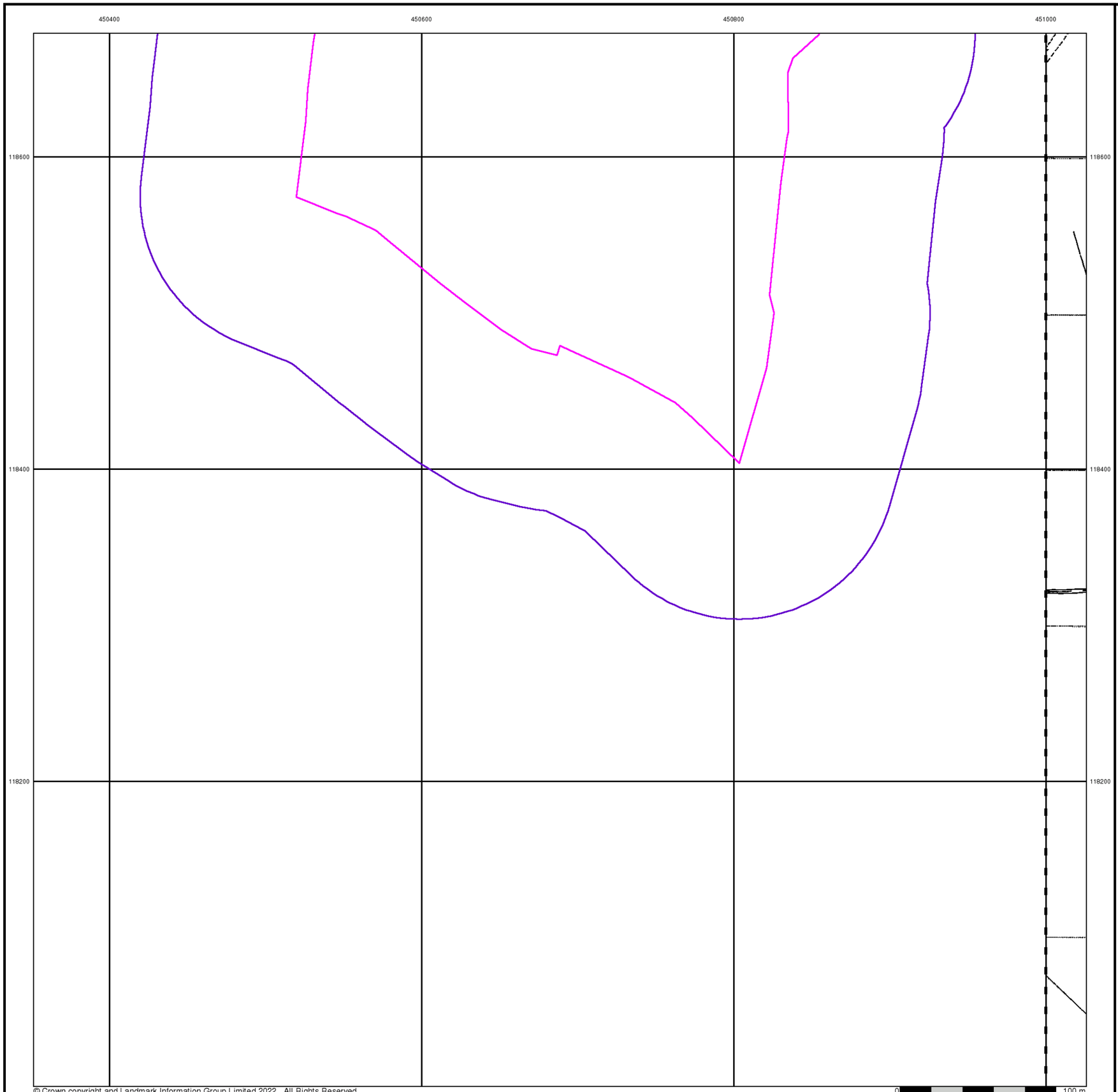
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

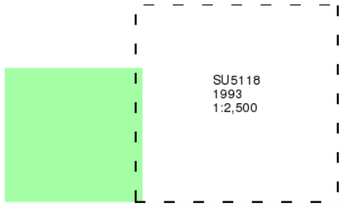
Large-Scale National Grid Data

Published 1993

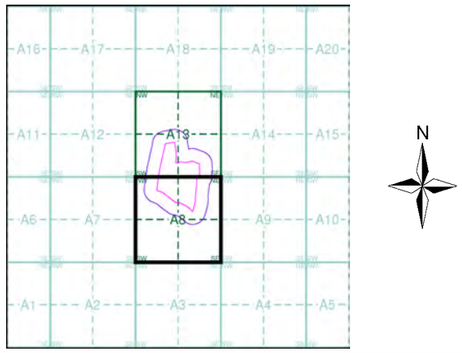
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

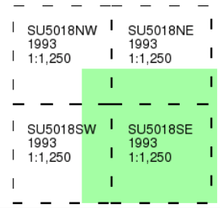
Large-Scale National Grid Data

Published 1993

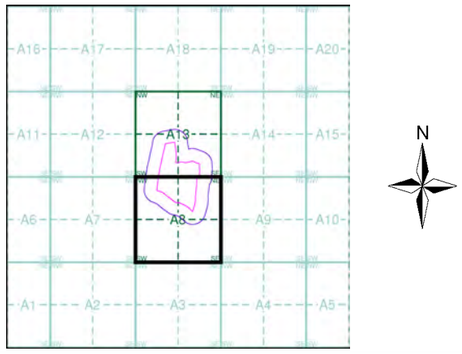
Source map scale - 1:1,250

'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 A8



Order Details

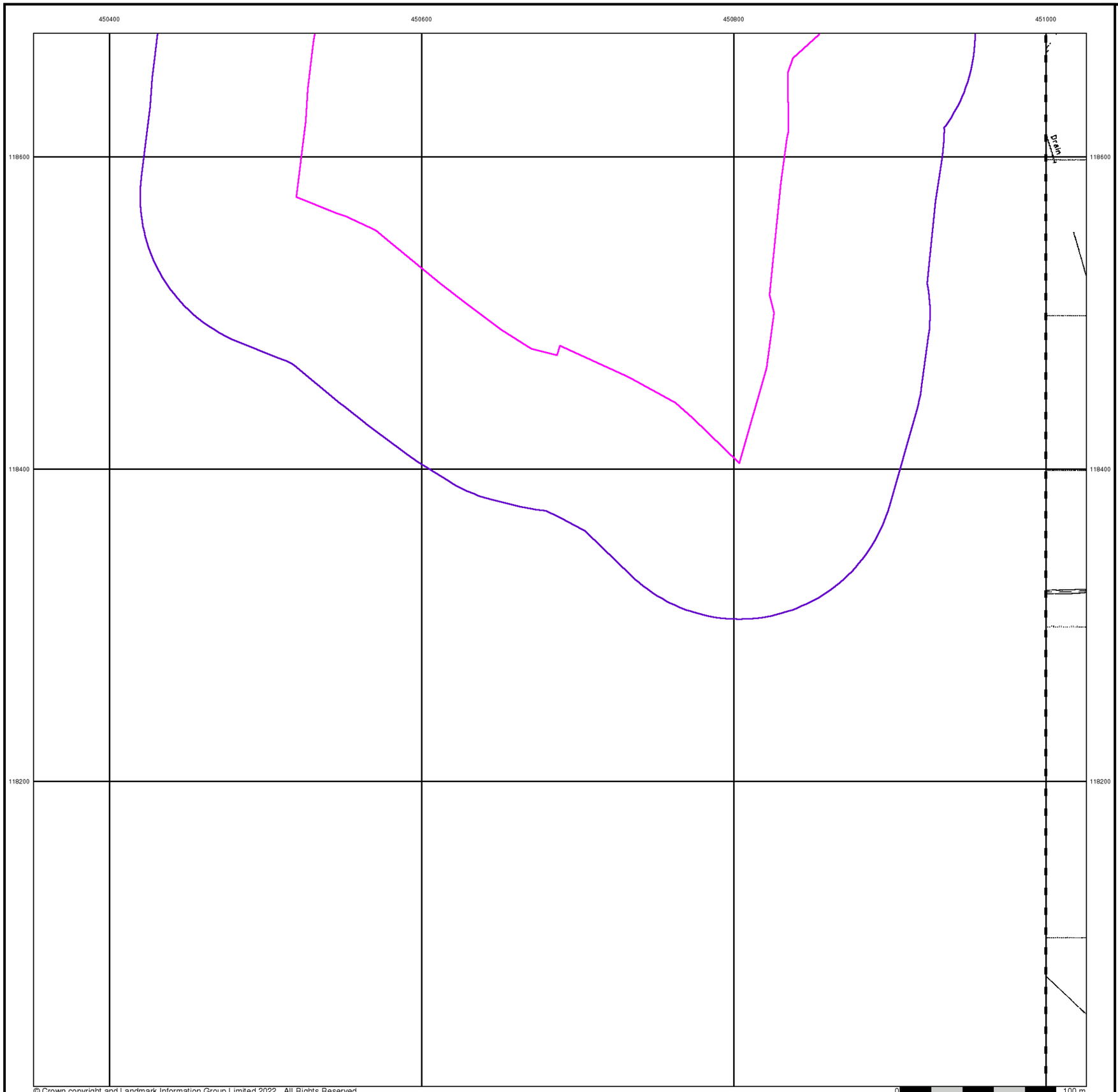
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National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

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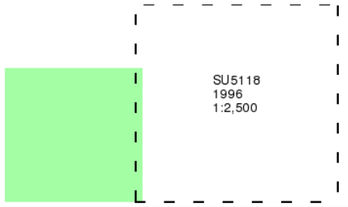
Large-Scale National Grid Data

Published 1996

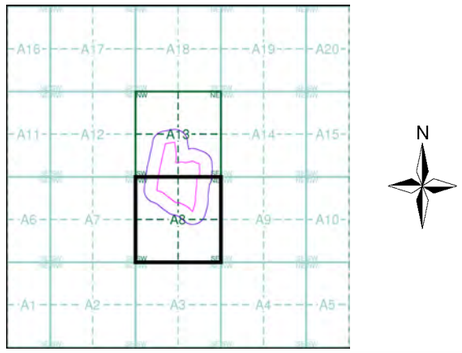
Source map scale - 1:2,500

'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 A8



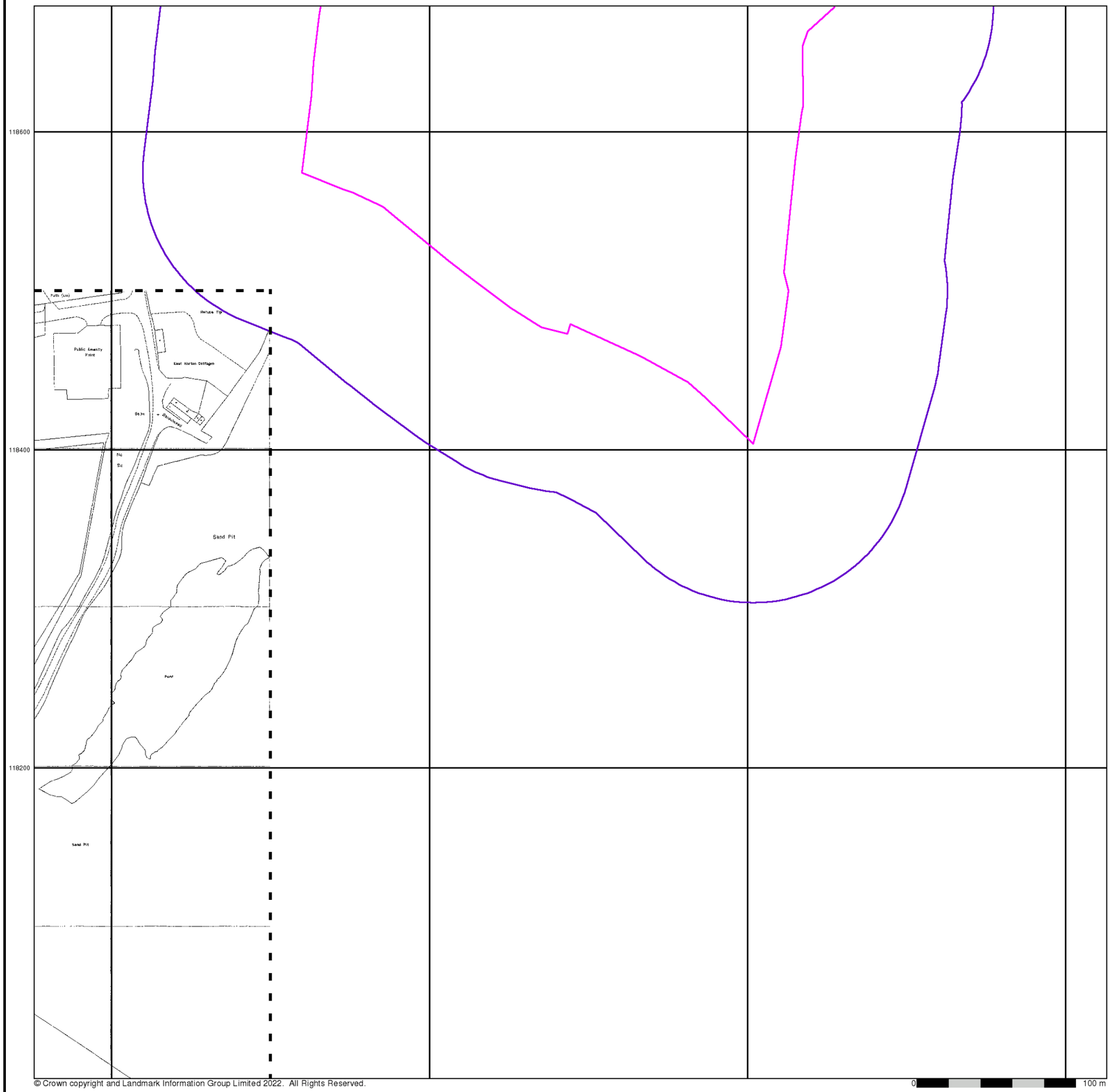
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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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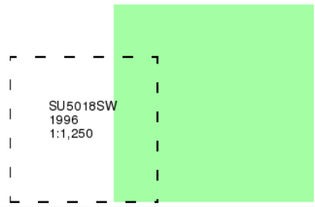
Large-Scale National Grid Data

Published 1996

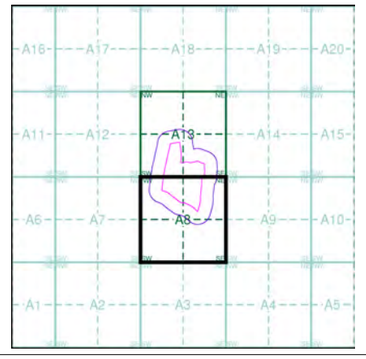
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

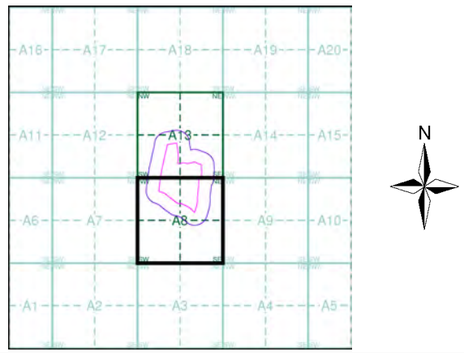
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Geo-Environmental
Historical Aerial Photography
Published 1999

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 A8



Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
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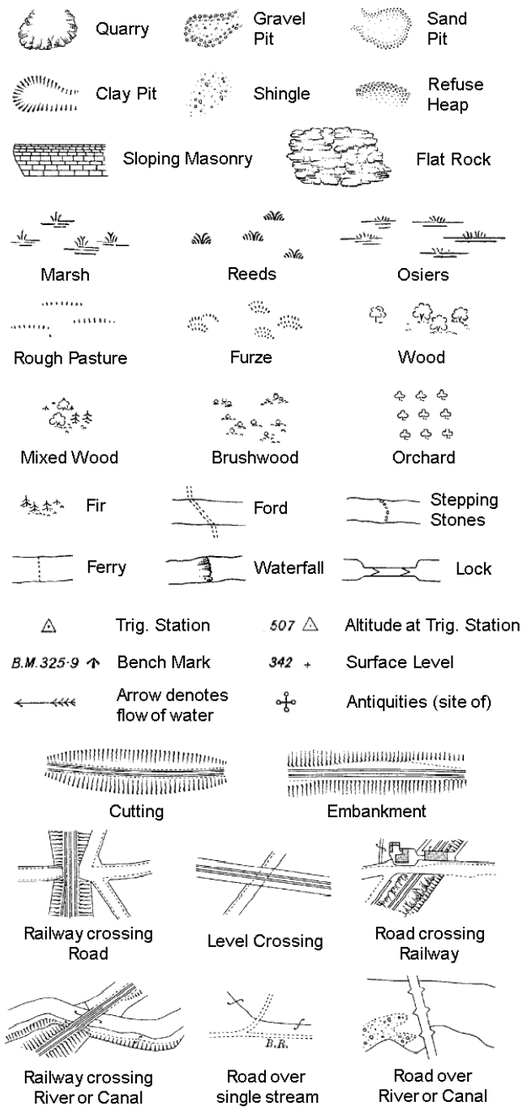
Site Details

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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

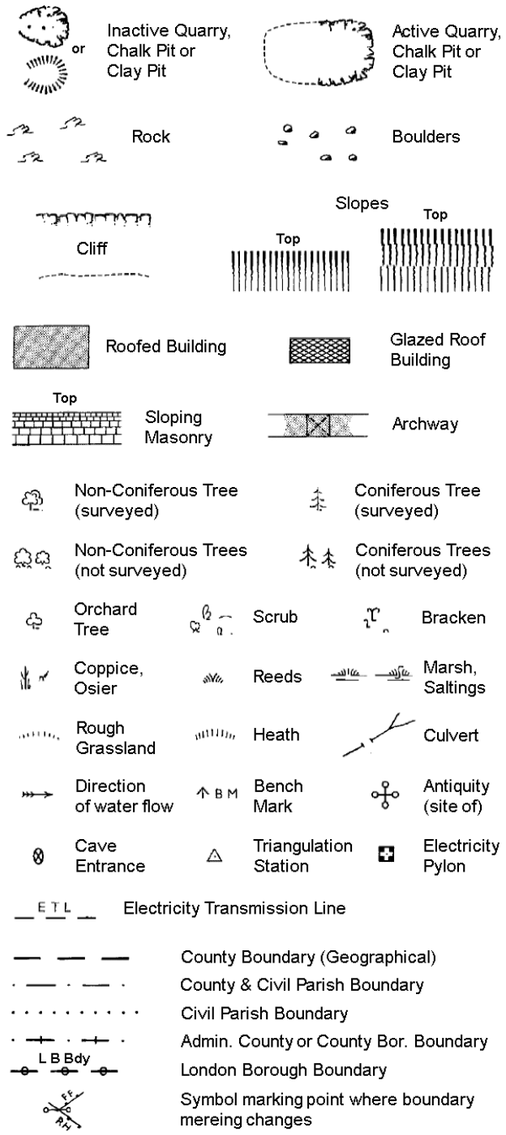
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

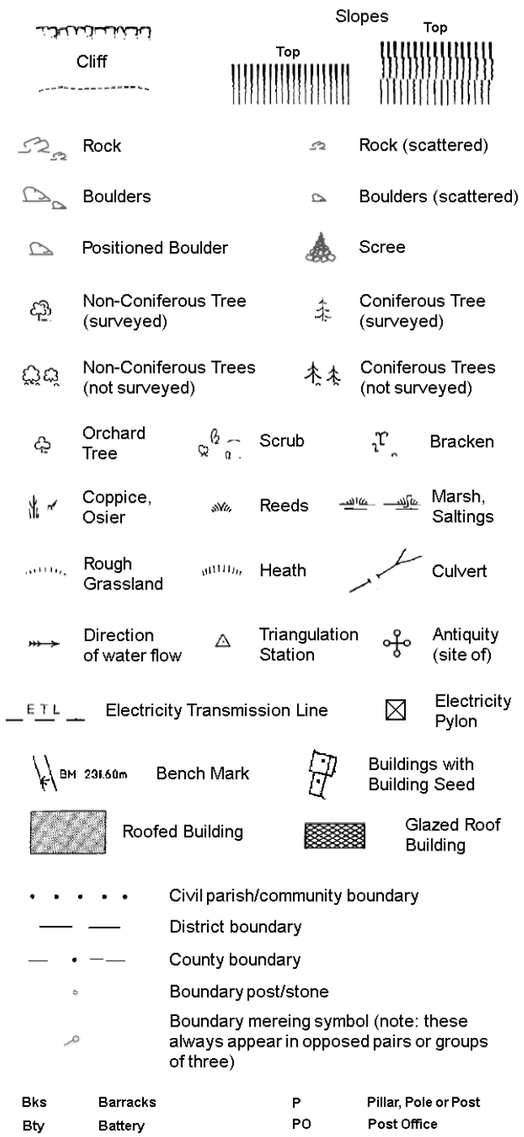
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

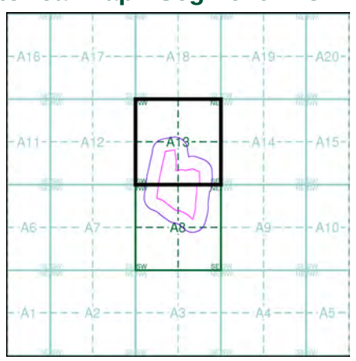
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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 Governer	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	1869	2
Hampshire & Isle Of Wight	1:2,500	1885 - 1891	3
Hampshire & Isle Of Wight	1:2,500	1896	4
Hampshire & Isle Of Wight	1:2,500	1909	5
Hampshire & Isle Of Wight	1:2,500	1941 - 1945	6
Ordnance Survey Plan	1:2,500	1963 - 1964	7
Additional SIMs	1:2,500	1964 - 1988	8
Supply of Unpublished Survey Information	1:2,500	1974	9
Ordnance Survey Plan	1:1,250	1984	10
Additional SIMs	1:2,500	1987	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:2,500	1996	14
Historical Aerial Photography	1:2,500	1999	15

Historical Map - Segment A13



Order Details

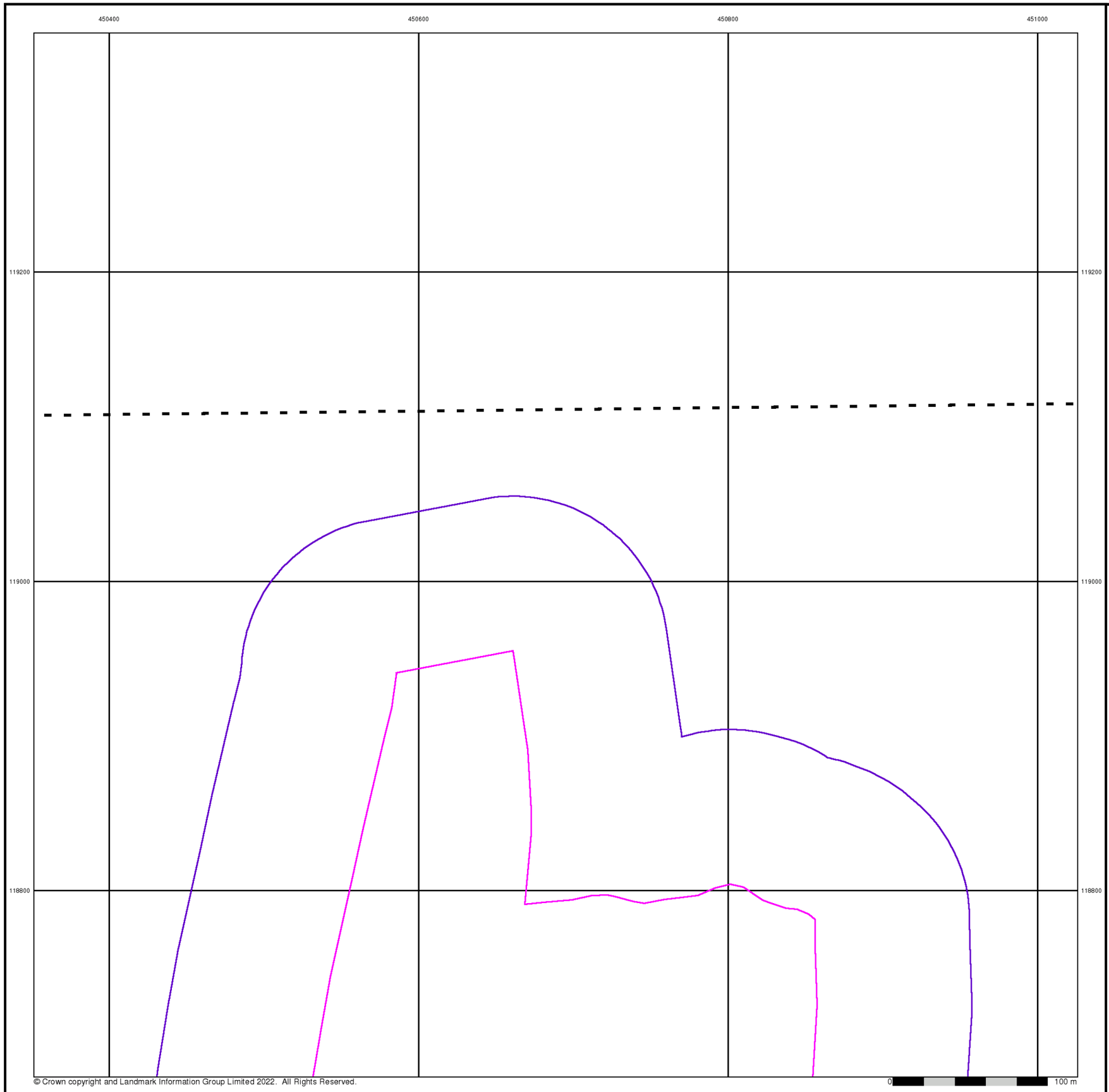
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Customer Ref:	GE21215
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Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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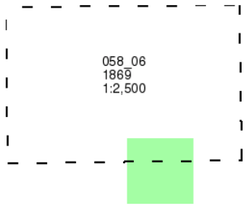
Hampshire & Isle Of Wight

Published 1869

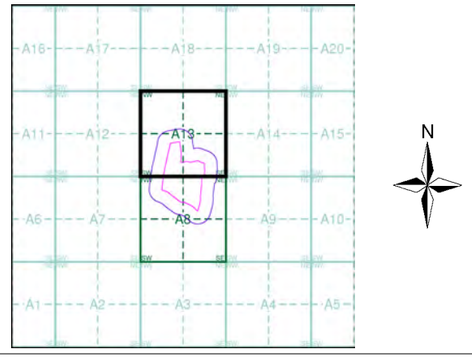
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



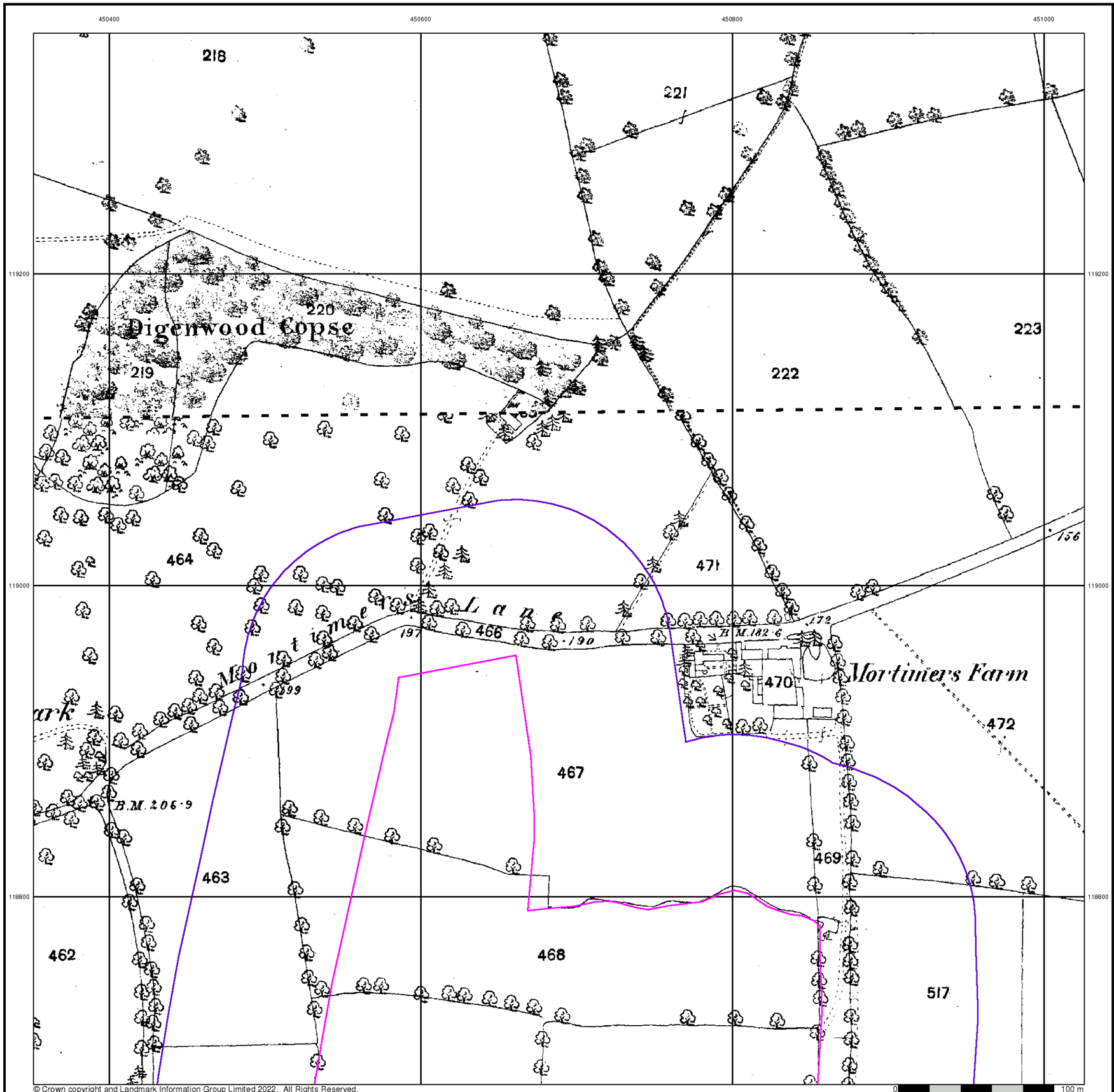
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

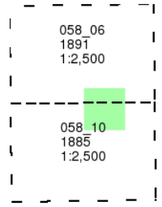
Hampshire & Isle Of Wight

Published 1885 - 1891

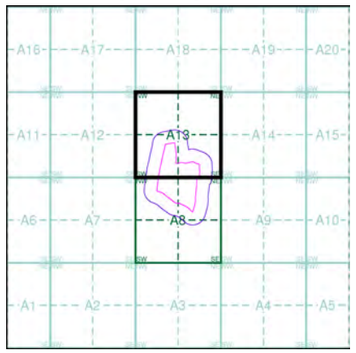
Source map scale - 1:2,500

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



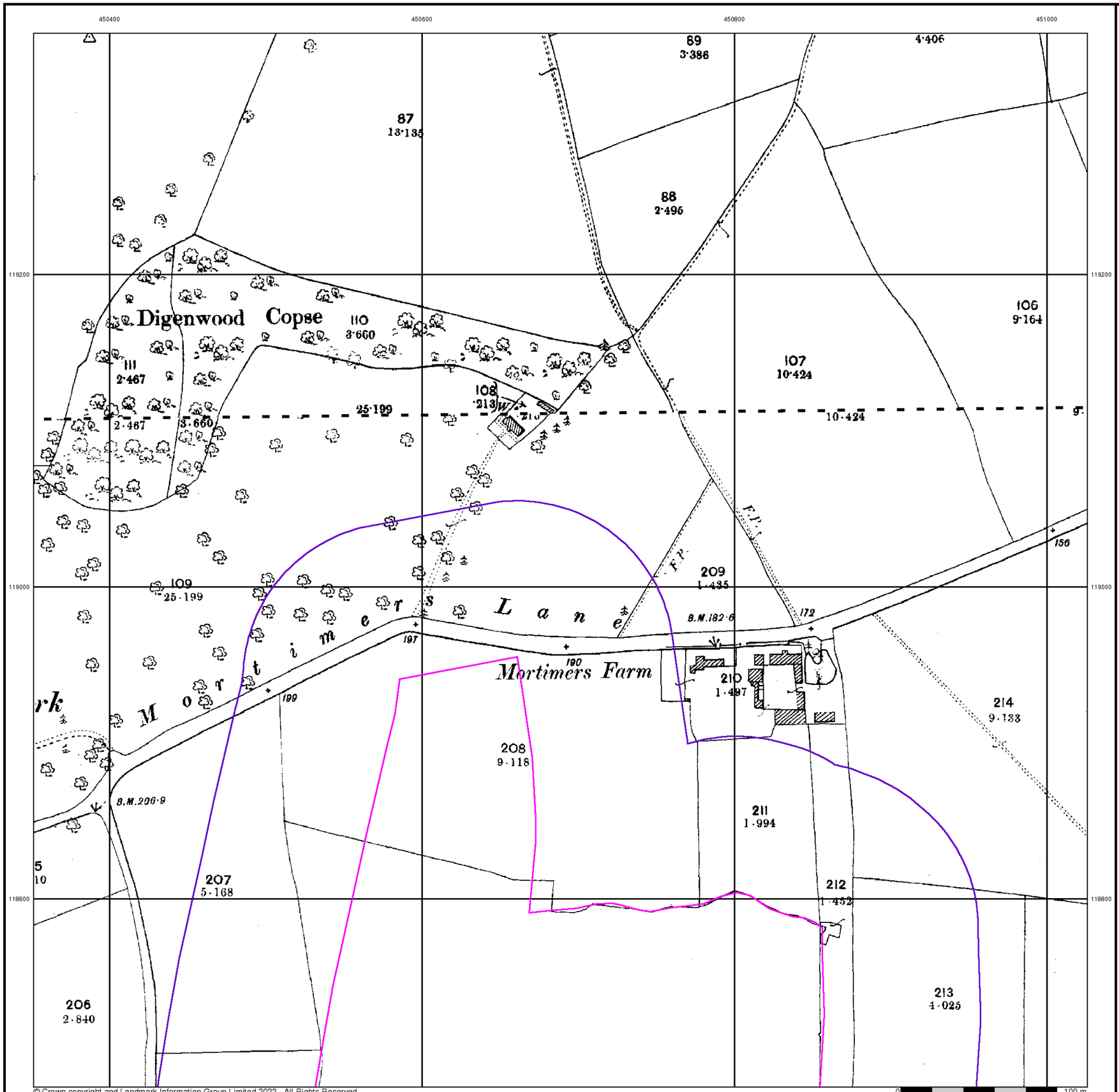
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Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

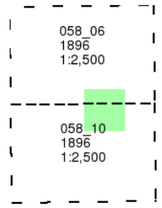
Hampshire & Isle Of Wight

Published 1896

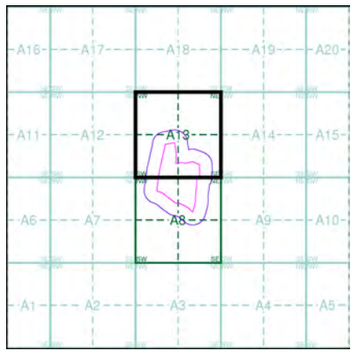
Source map scale - 1:2,500

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



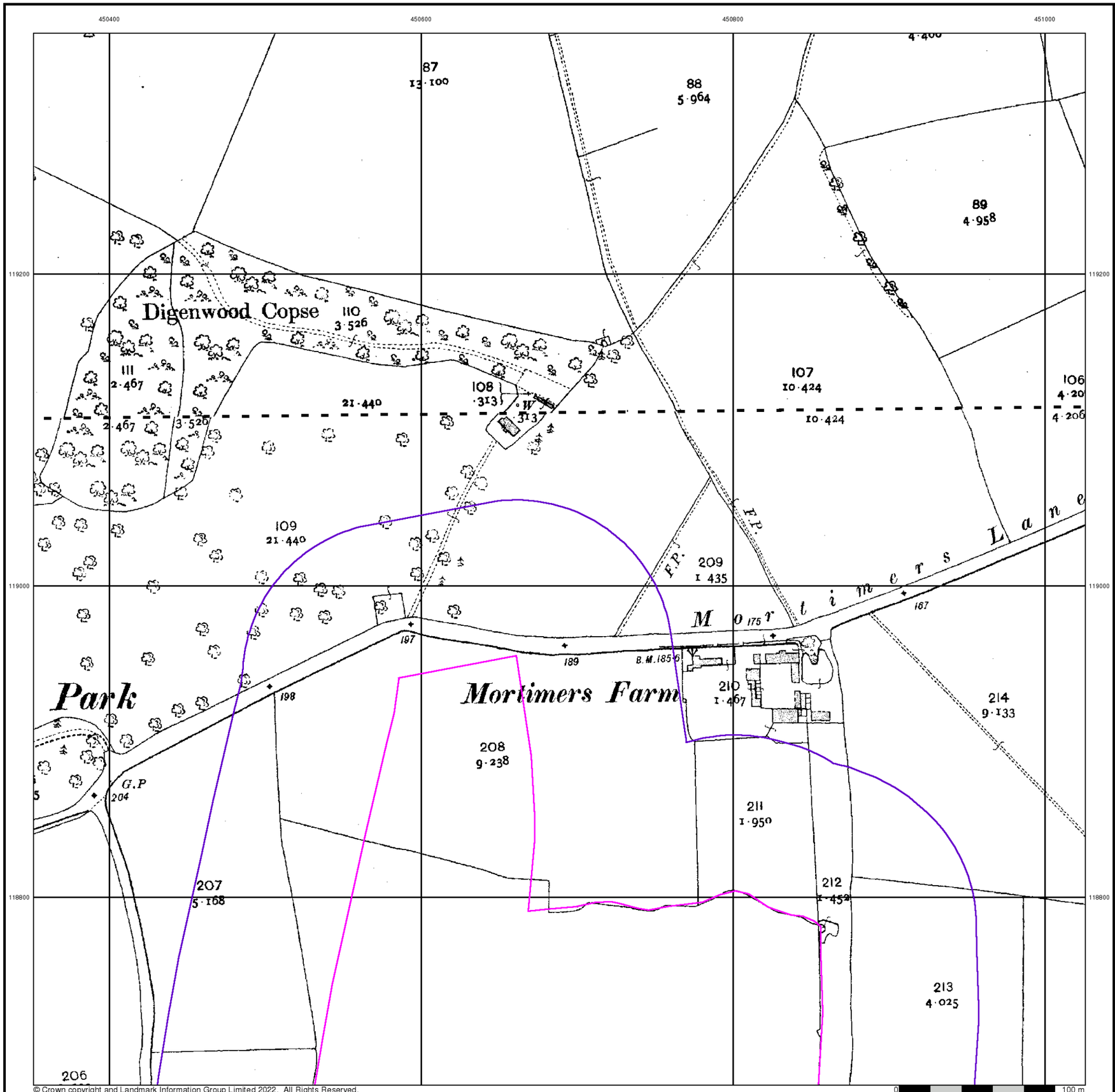
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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

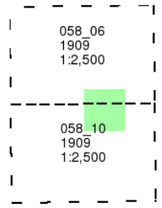
Hampshire & Isle Of Wight

Published 1909

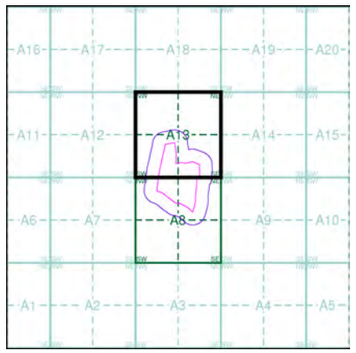
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



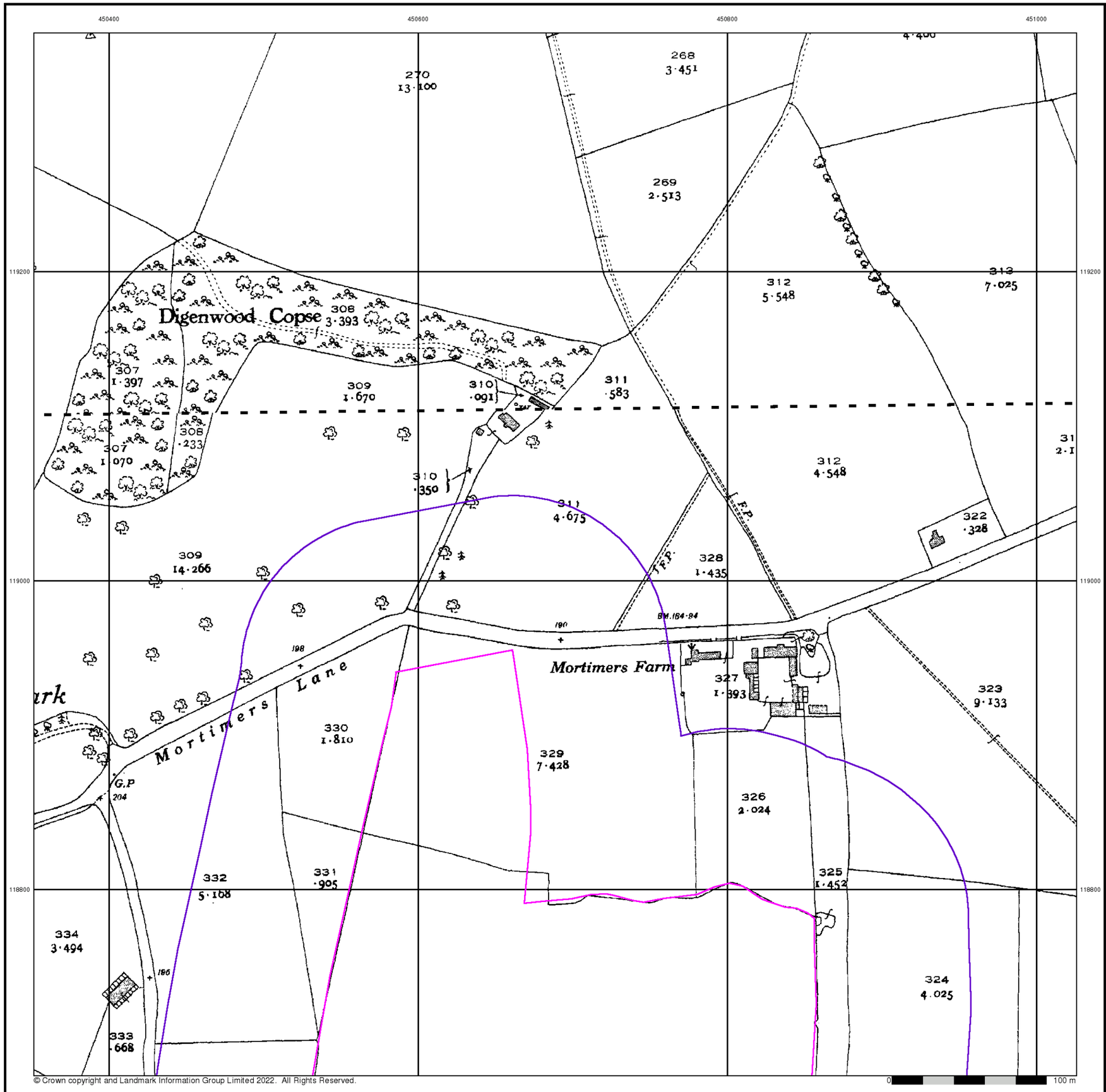
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

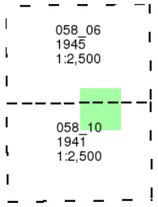
Hampshire & Isle Of Wight

Published 1941 - 1945

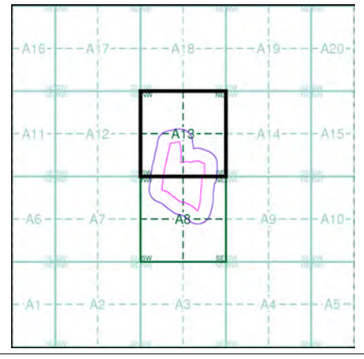
Source map scale - 1:2,500

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



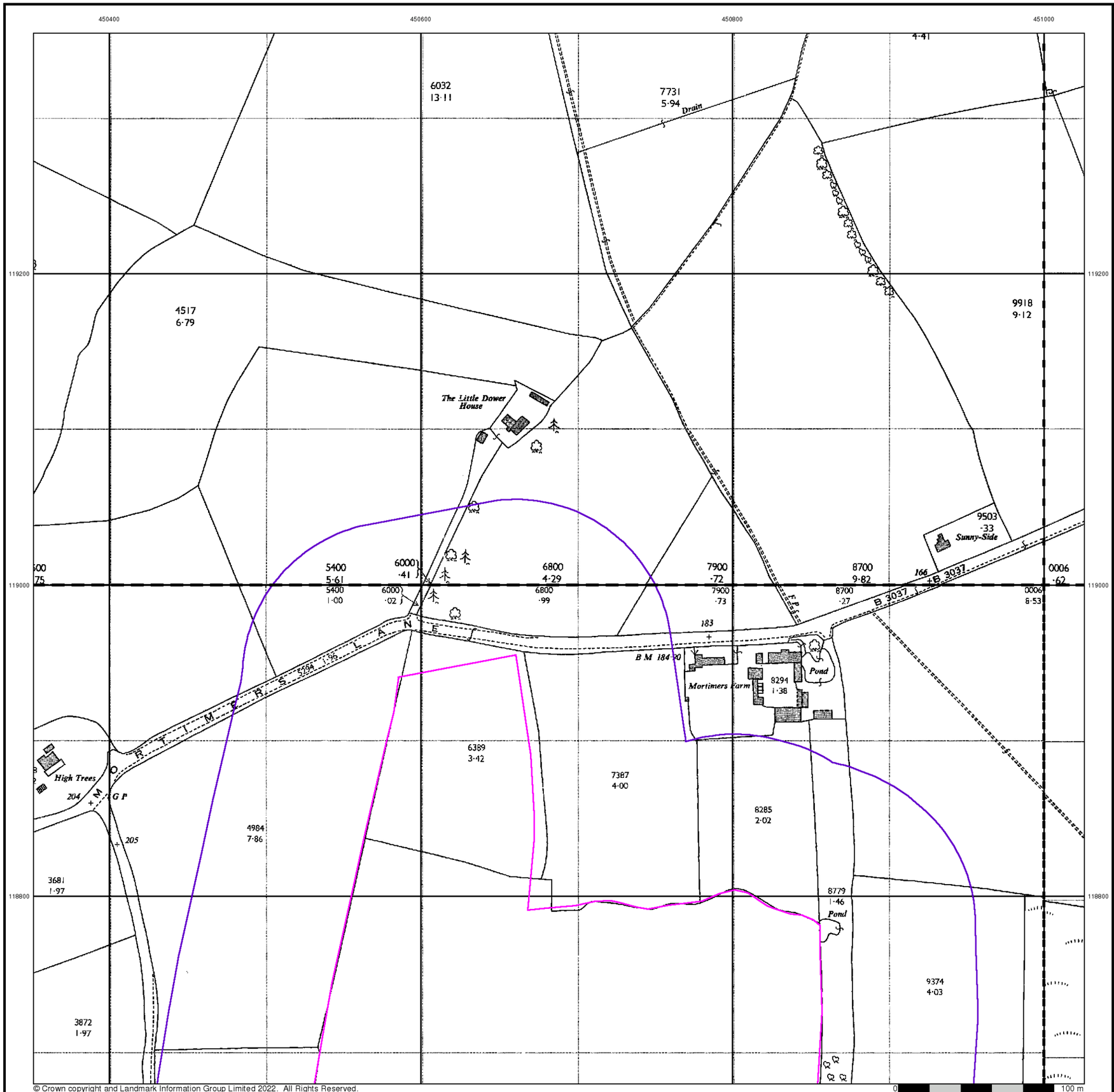
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

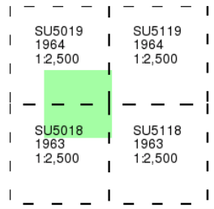
Ordnance Survey Plan

Published 1963 - 1964

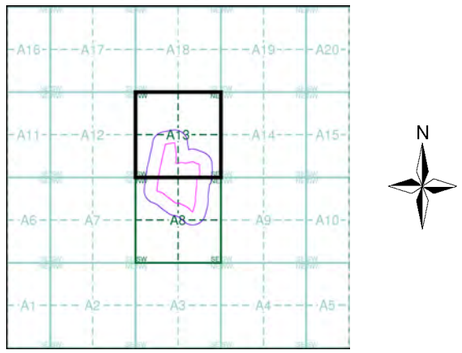
Source map scale - 1:2,500

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



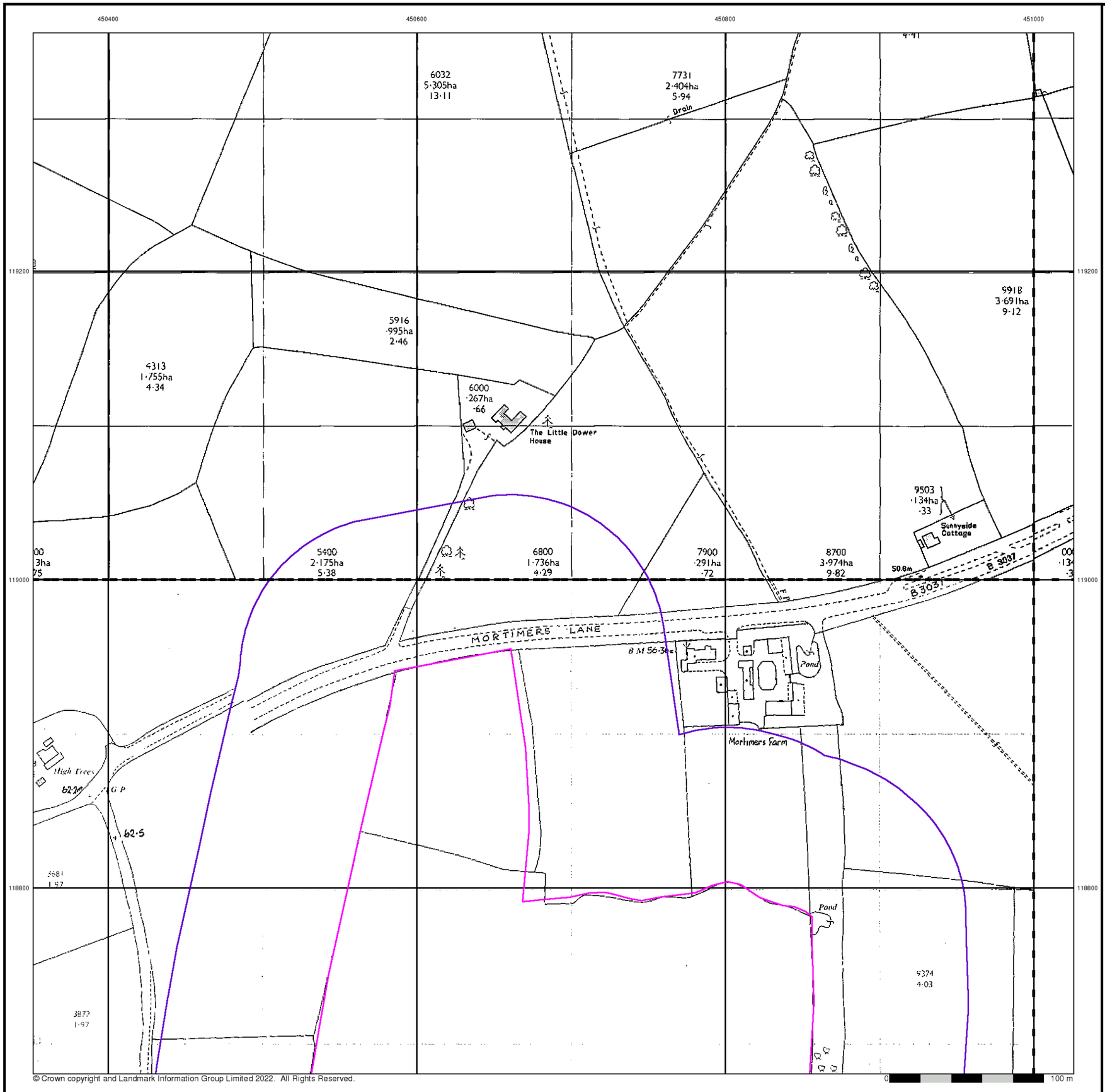
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

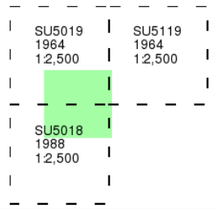
Additional SIMs

Published 1964 - 1988

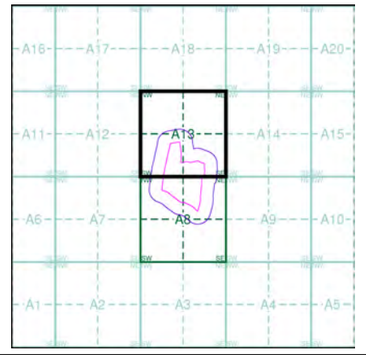
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

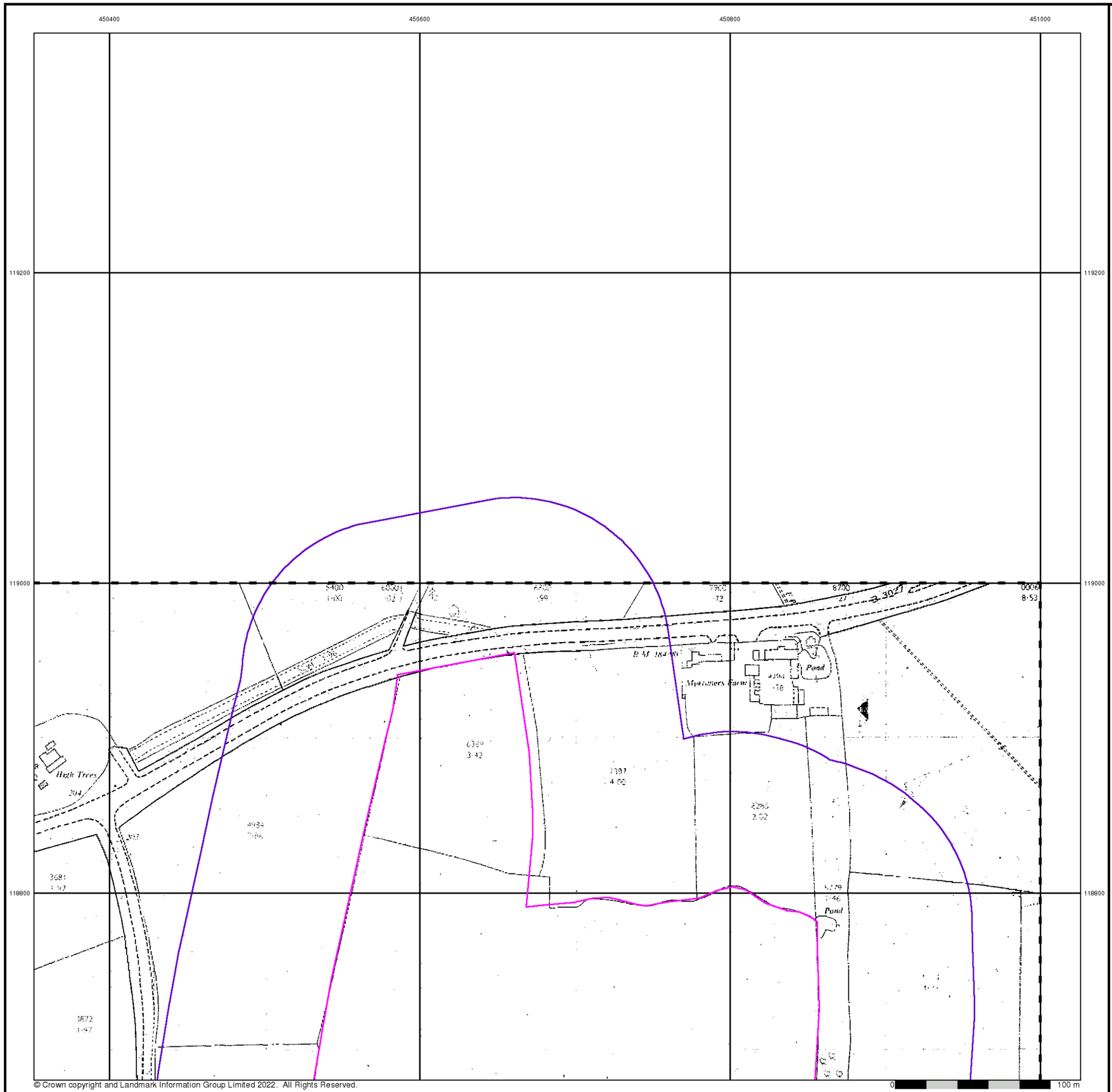
Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

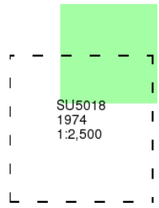
Supply of Unpublished Survey Information

Published 1974

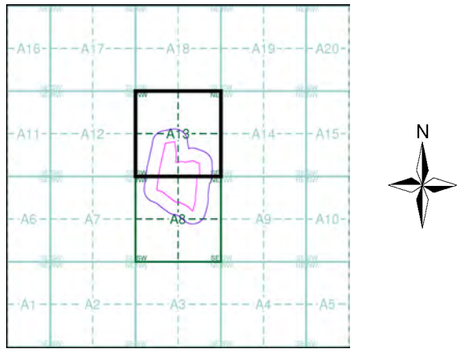
Source map scale - 1:2,500

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



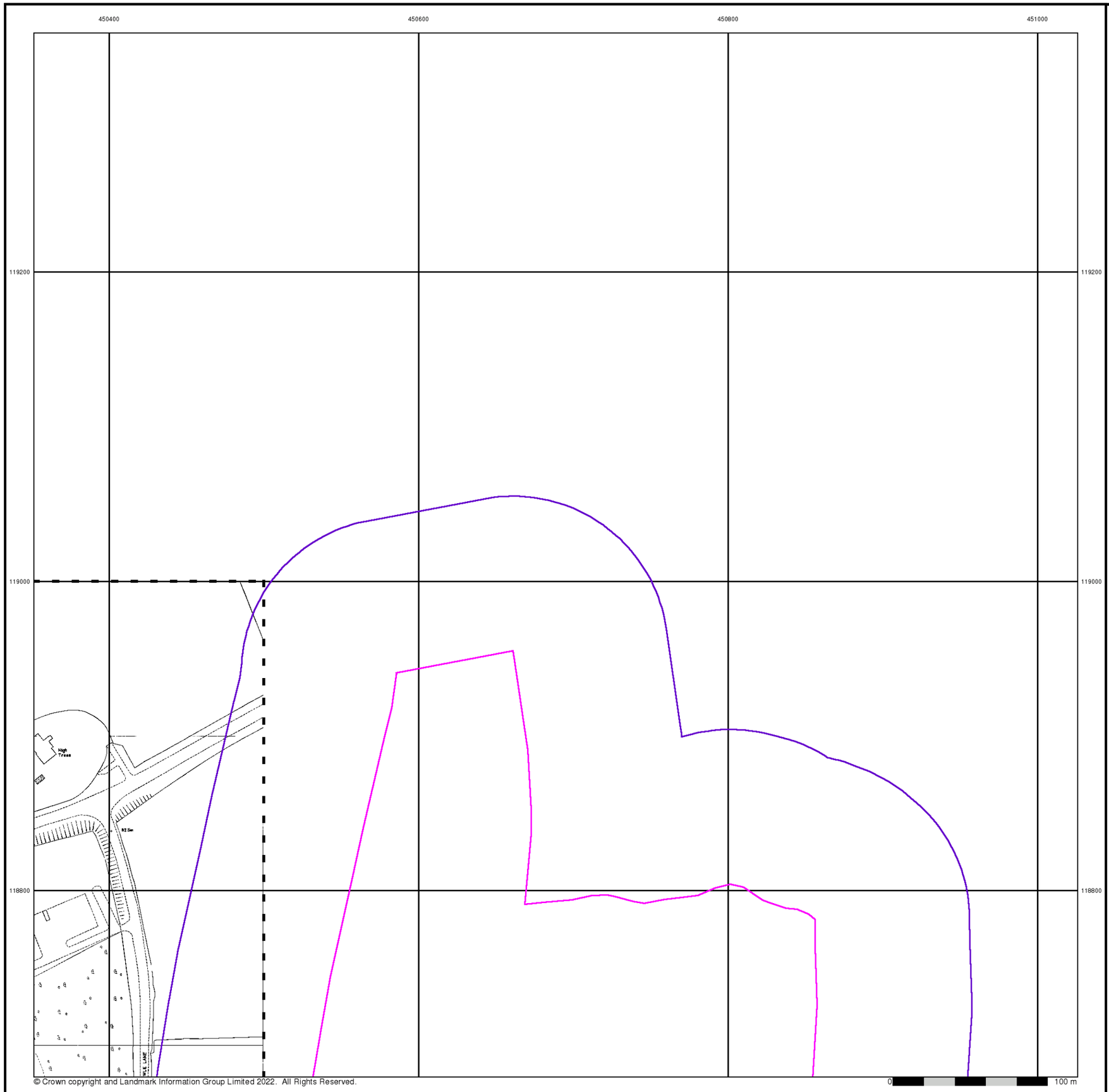
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

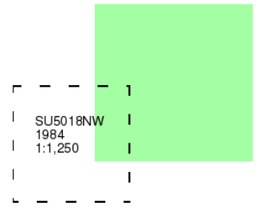
Ordnance Survey Plan

Published 1984

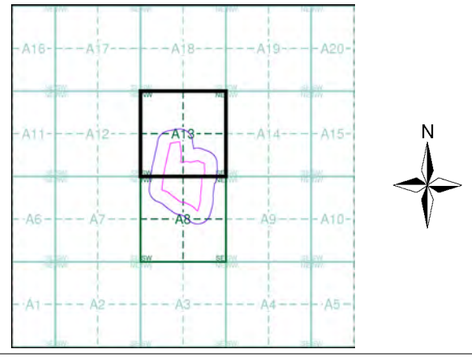
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



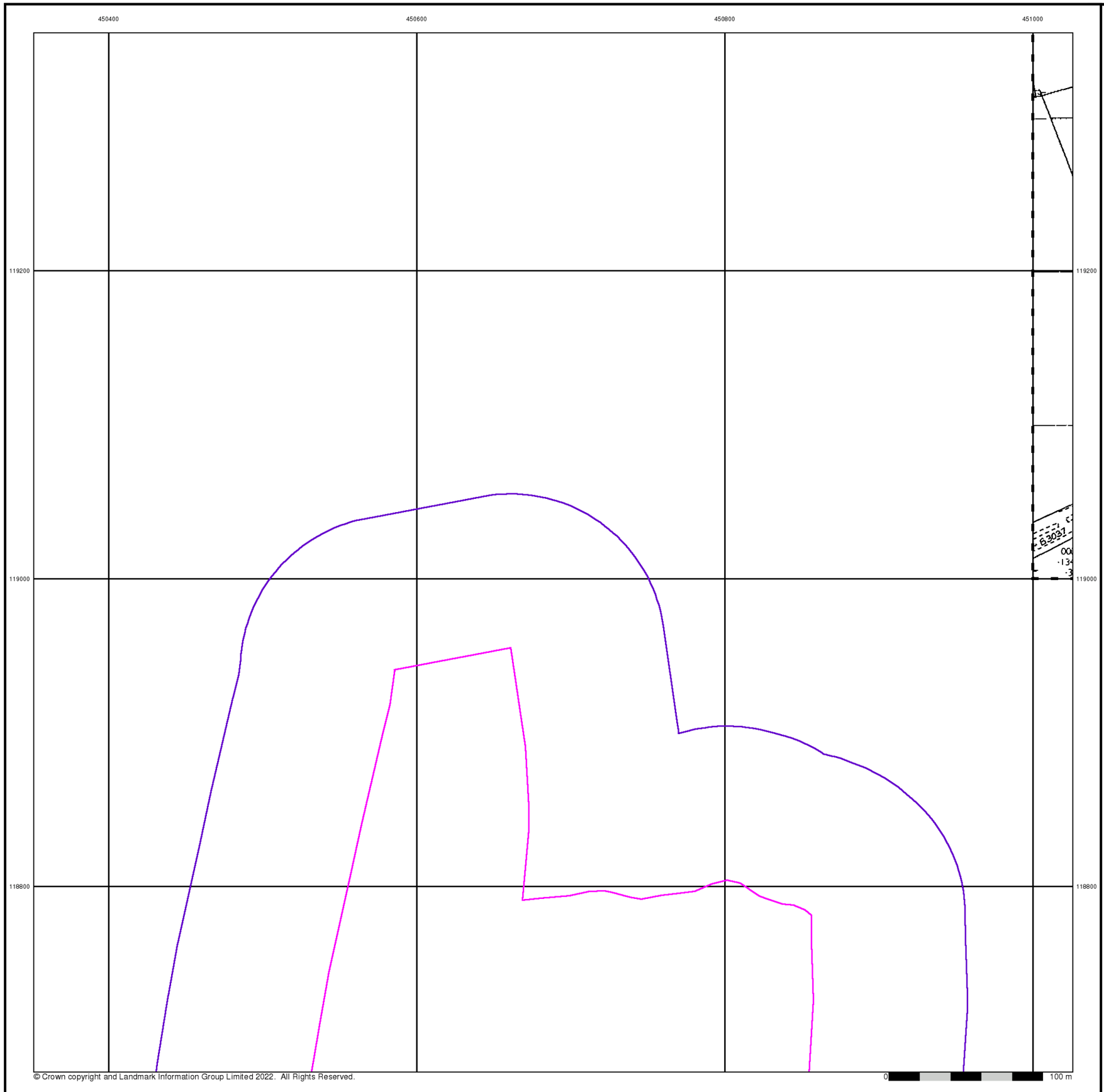
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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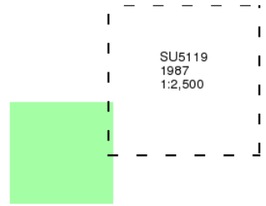
Additional SIMs

Published 1987

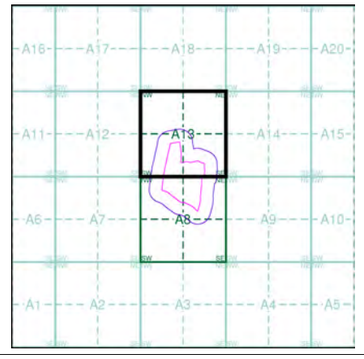
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



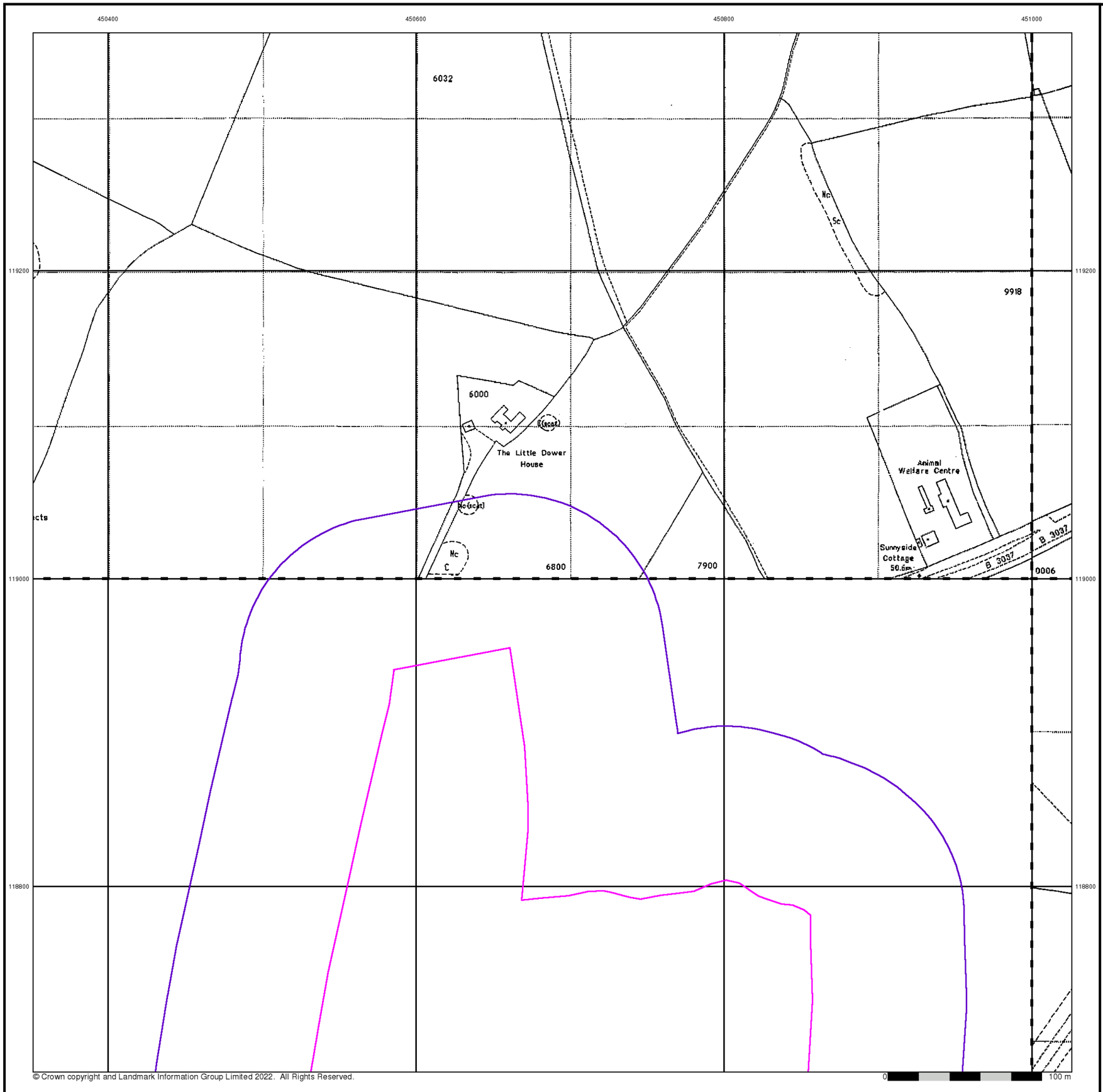
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

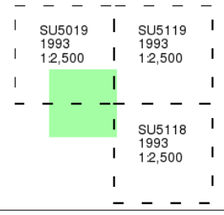
Large-Scale National Grid Data

Published 1993

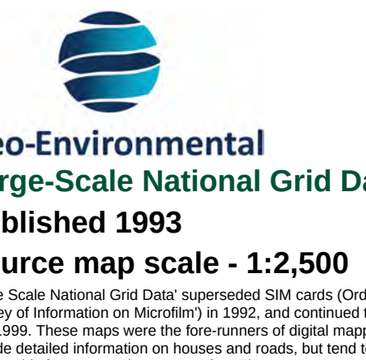
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



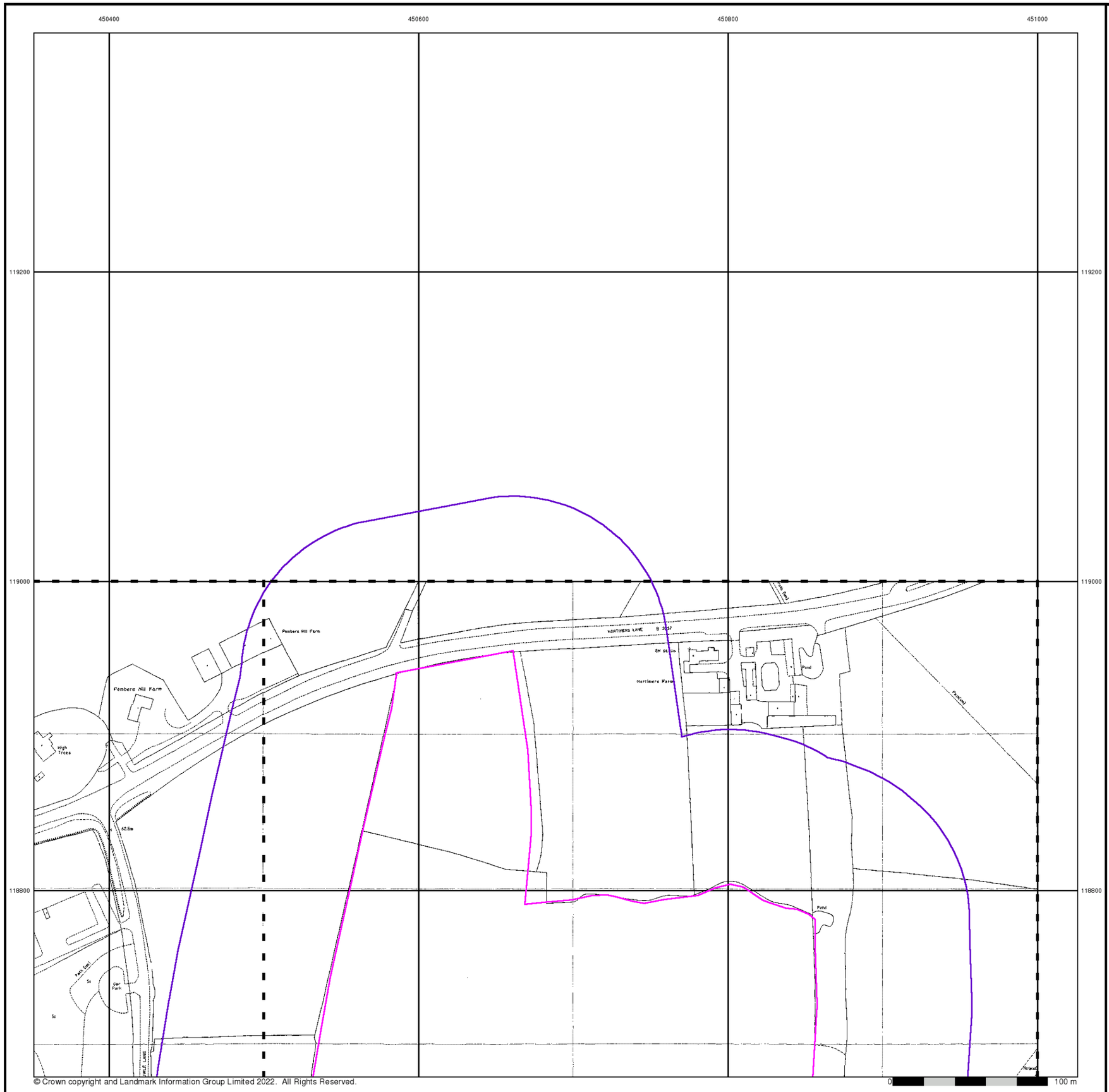
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

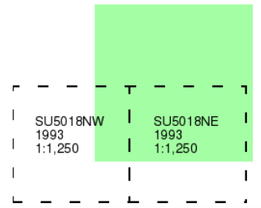
Large-Scale National Grid Data

Published 1993

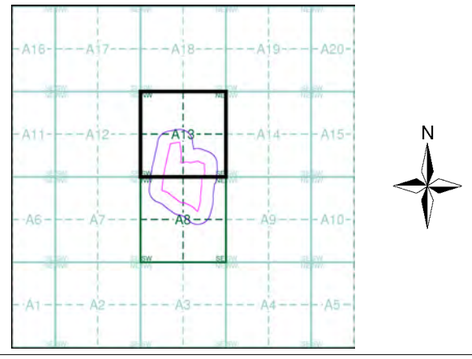
Source map scale - 1:1,250

'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



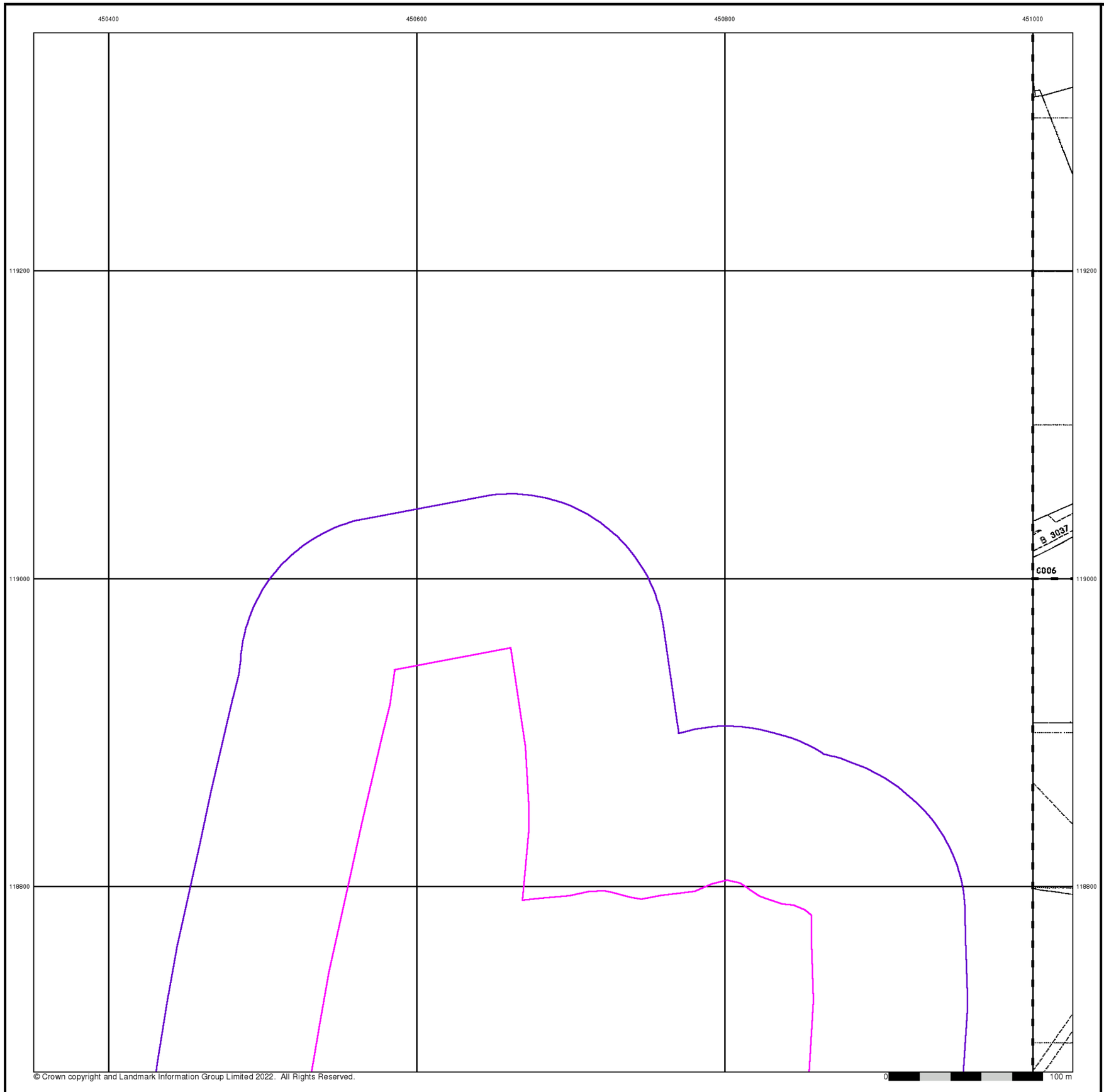
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

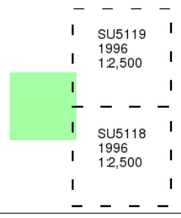
Large-Scale National Grid Data

Published 1996

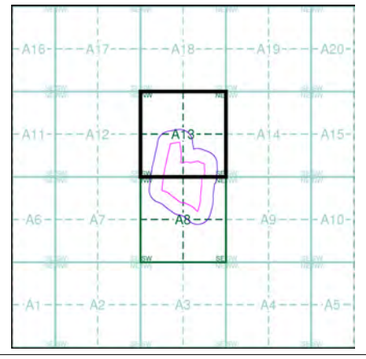
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

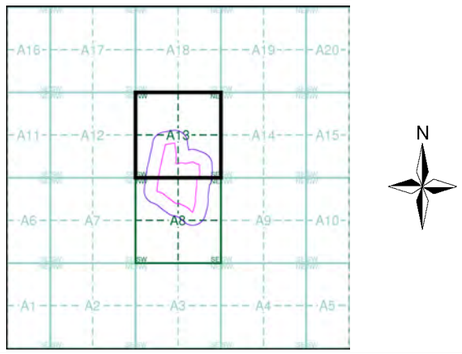
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Geo-Environmental
Historical Aerial Photography
Published 1999

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



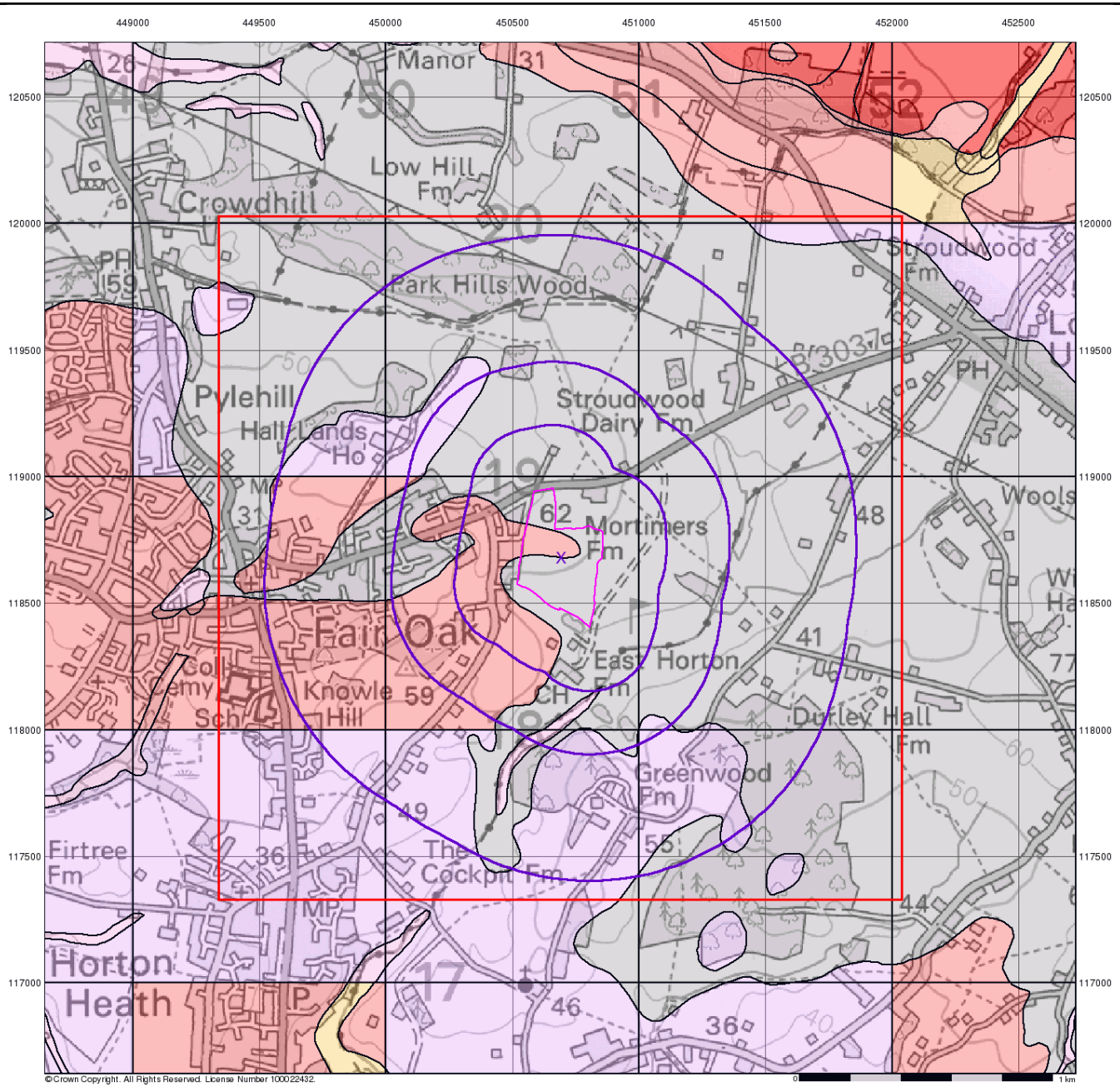
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	100

Site Details

Site at 450680, 118690

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Geo-Environmental

Groundwater Vulnerability

General

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

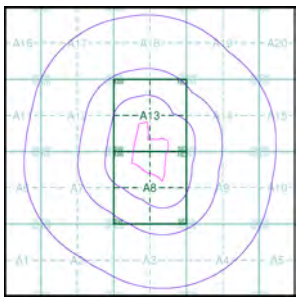
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



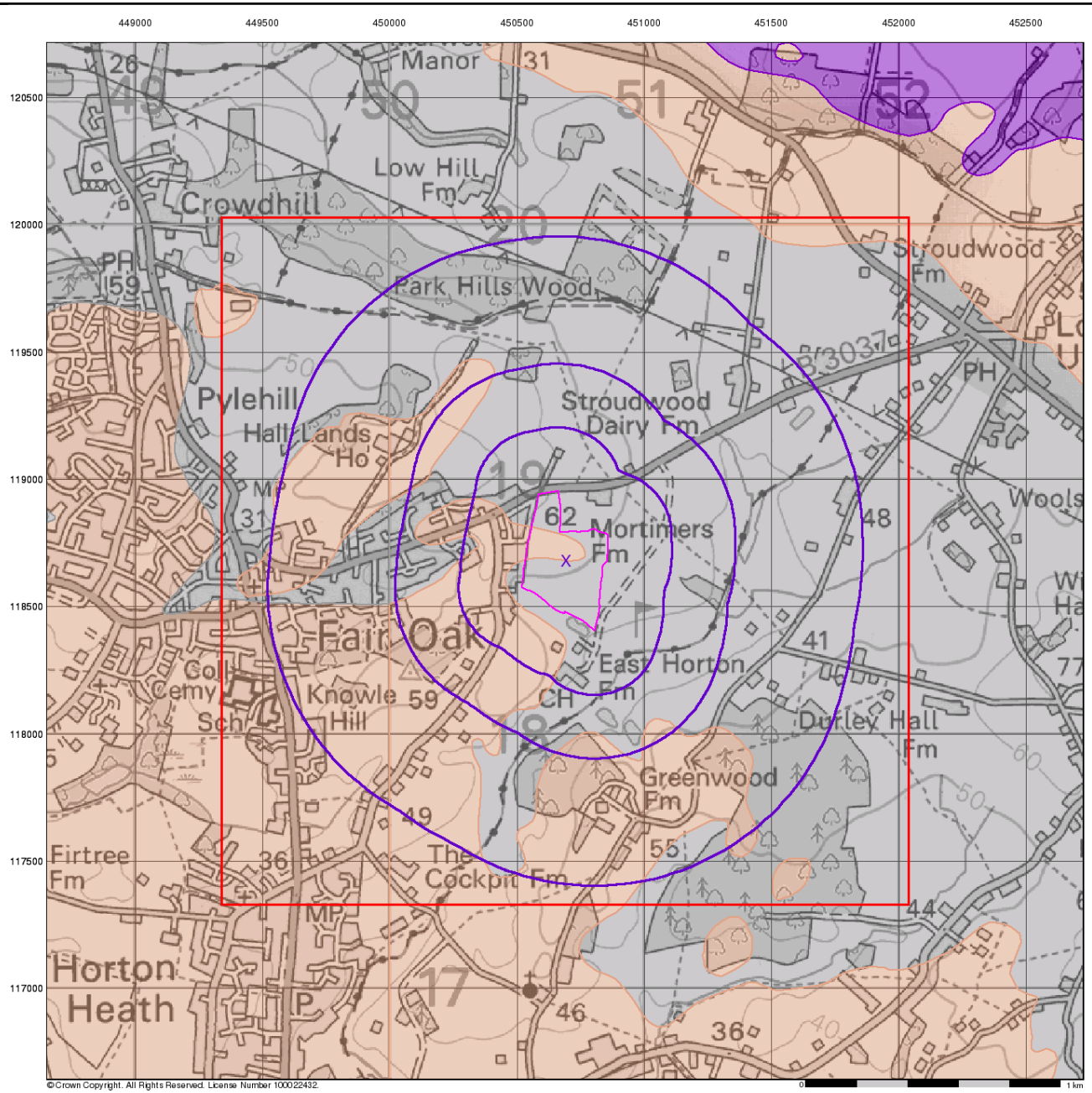
Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Web: www.envirocheck.co.uk



Geo-Environmental

Bedrock Aquifer Designation

General

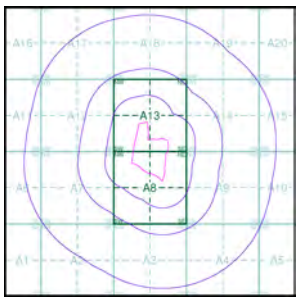
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



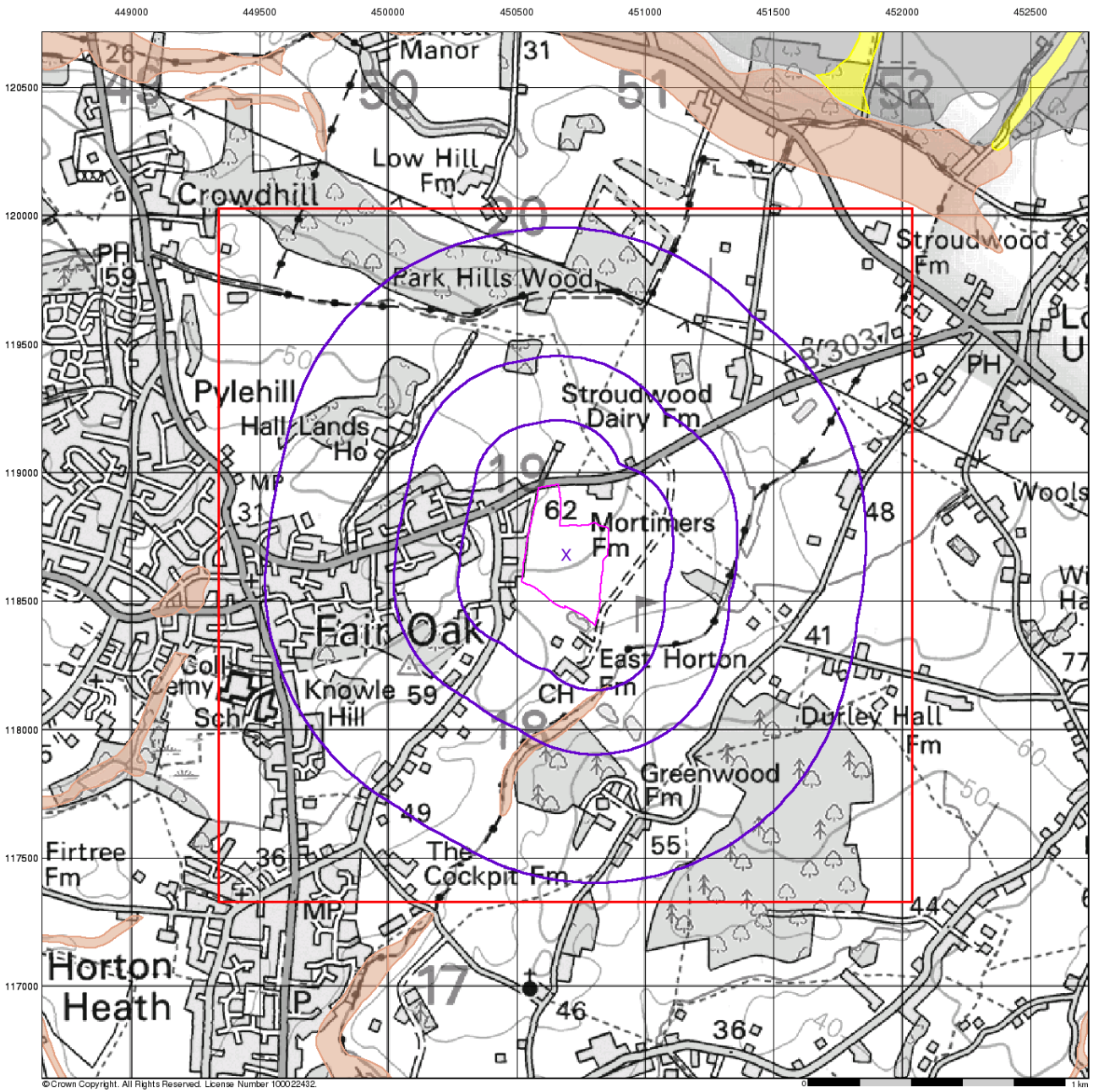
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
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Site Details

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Geo-Environmental

Superficial Aquifer Designation

General

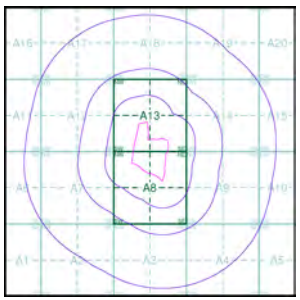
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



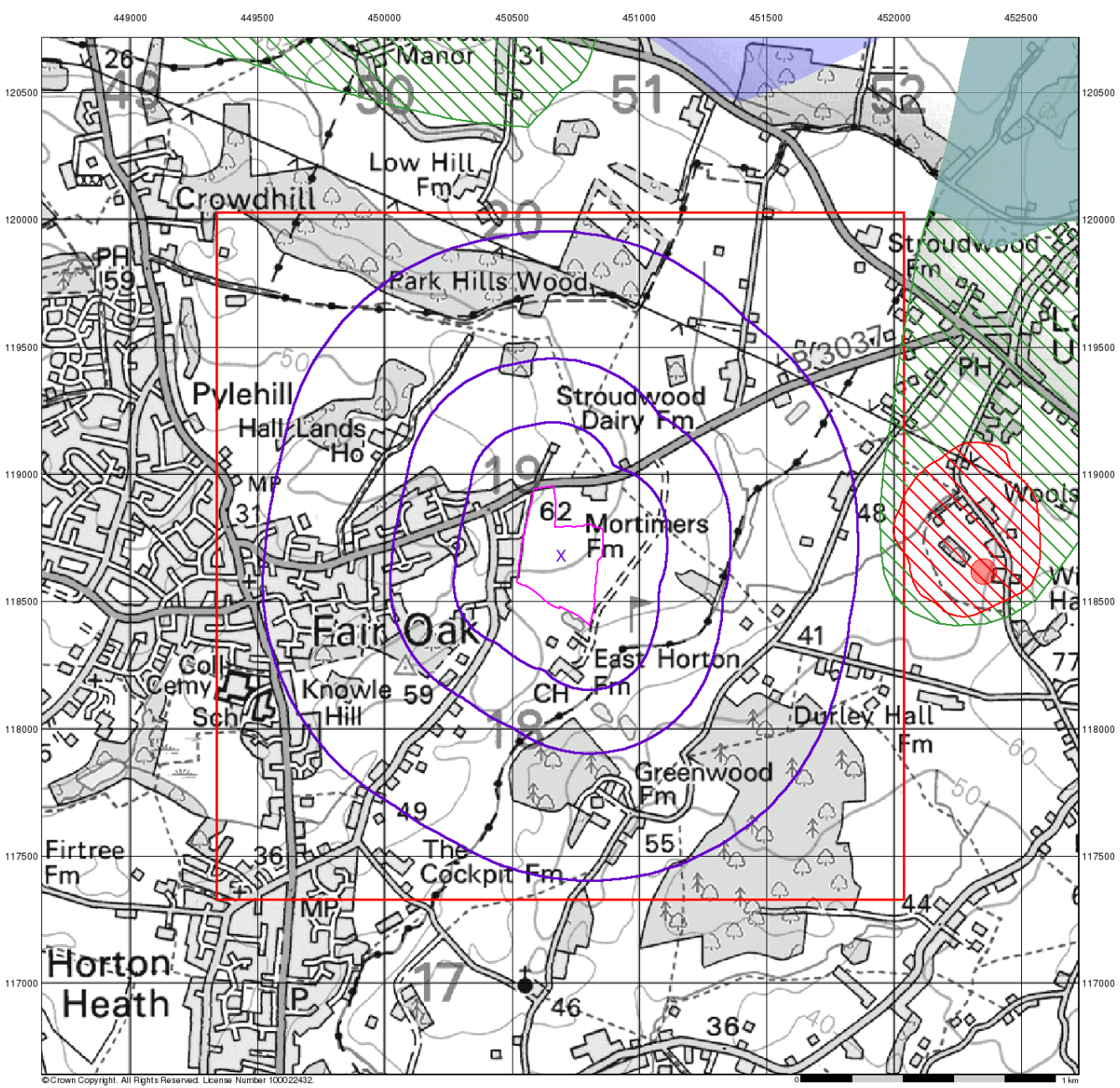
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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

Source Protection Zones

General

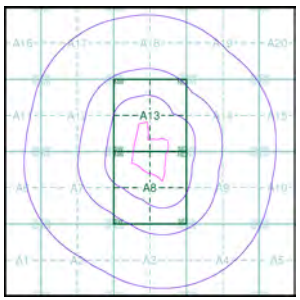
Specified Site | Specified Buffer(s) | Bearing Reference Point

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)

Site Sensitivity Context Map - Slice A



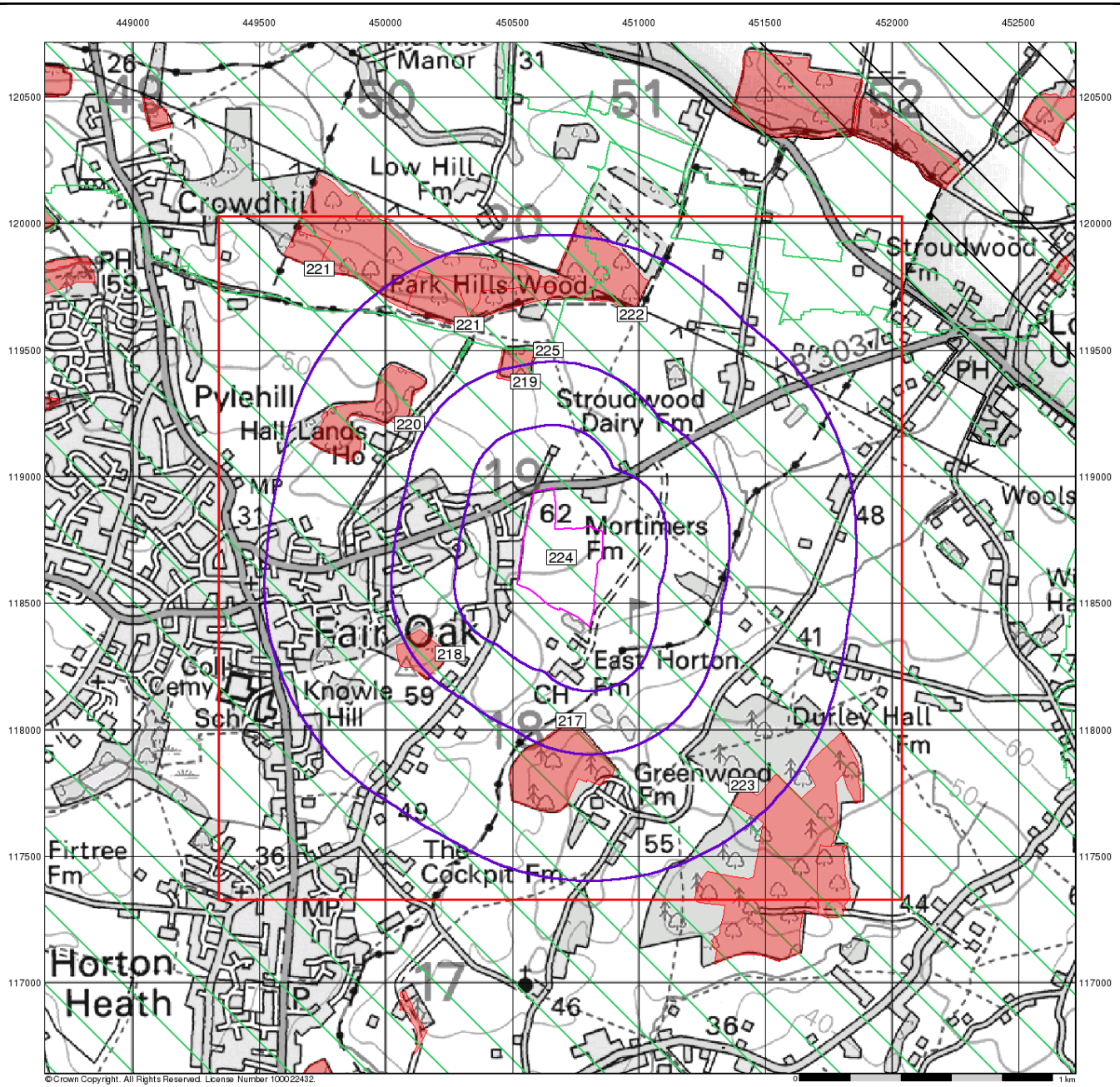
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

Sensitive Land Uses

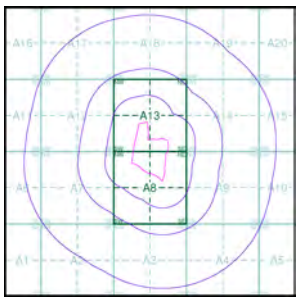
General

- 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



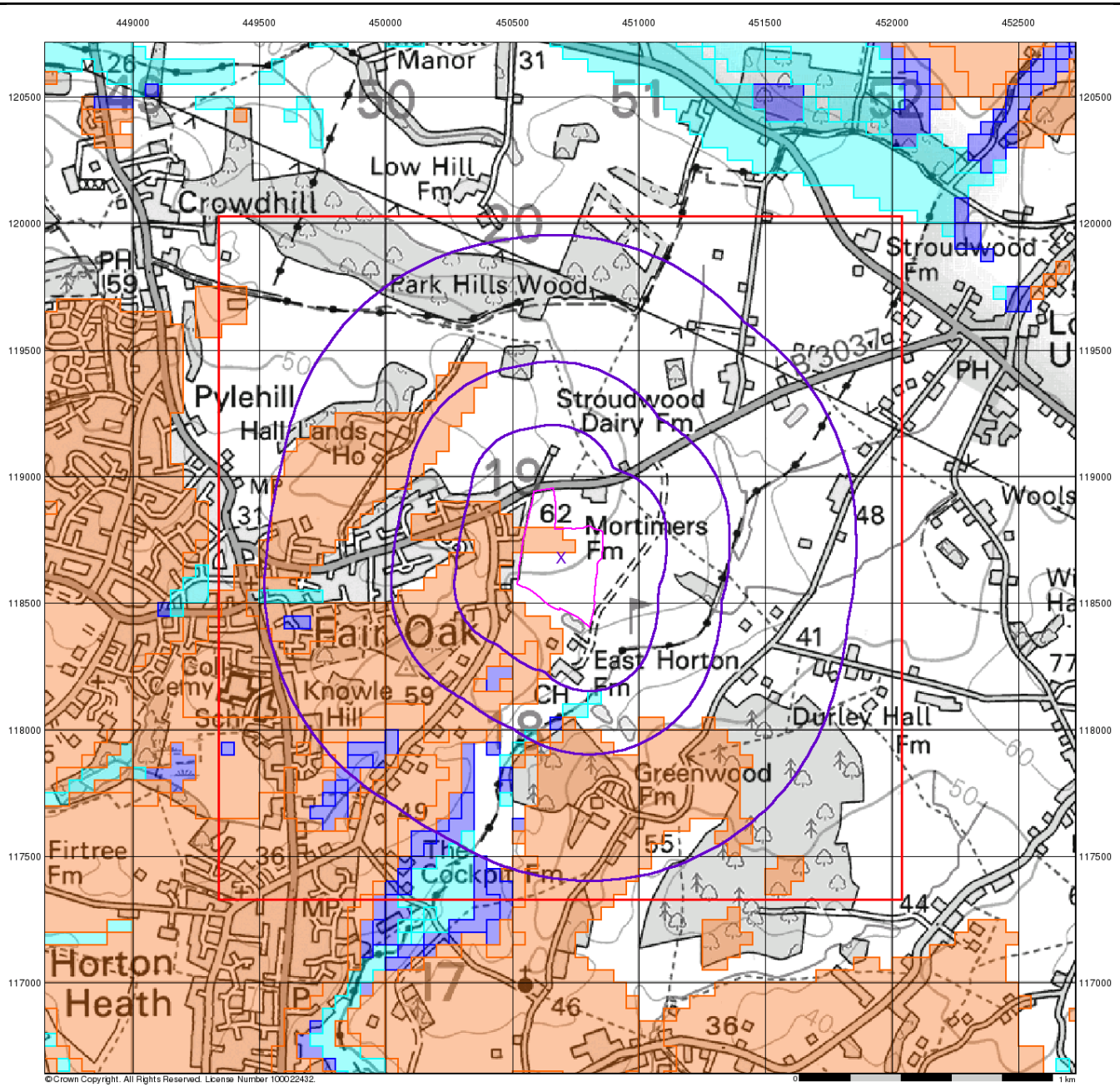
Order Details

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Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geo-Environmental

BGS Flood GFS Data

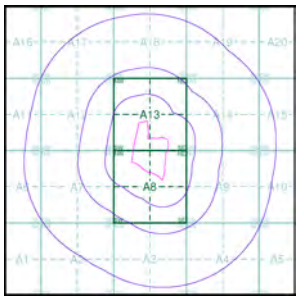
General

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

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



Order Details

Order Number:	304784389_1_1
Customer Ref:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details

Site at 450680, 118690

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	HEAD	Head	Gravel, Sand, Silt and Clay	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	CWF	Clay-with-flints Formation	Clay, Silt, Sand and Gravel	Not Supplied - MIOCENE

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	WTT	Wittering Formation	Sand, Silt and Clay	Not Supplied - Ypresian
	DYSA	Durley Sand Member	Sand	Not Supplied - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Not Supplied - Thanetian
	LMBE	Lambeth Group	Sand	Not Supplied - Thanetian
	WHI	Whitecliff Sand Member	Sand	Not Supplied - Palaeogene
	TACH	Tarrant Chalk Member	Chalk	Not Supplied - Campanian

Geo-Environmental

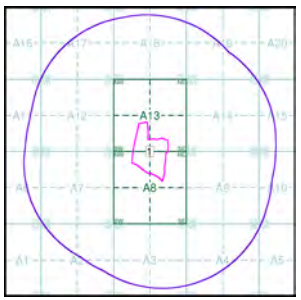
Geology 1:50,000 Maps

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: 315
Map Name: Southampton
Map Date: 1987
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

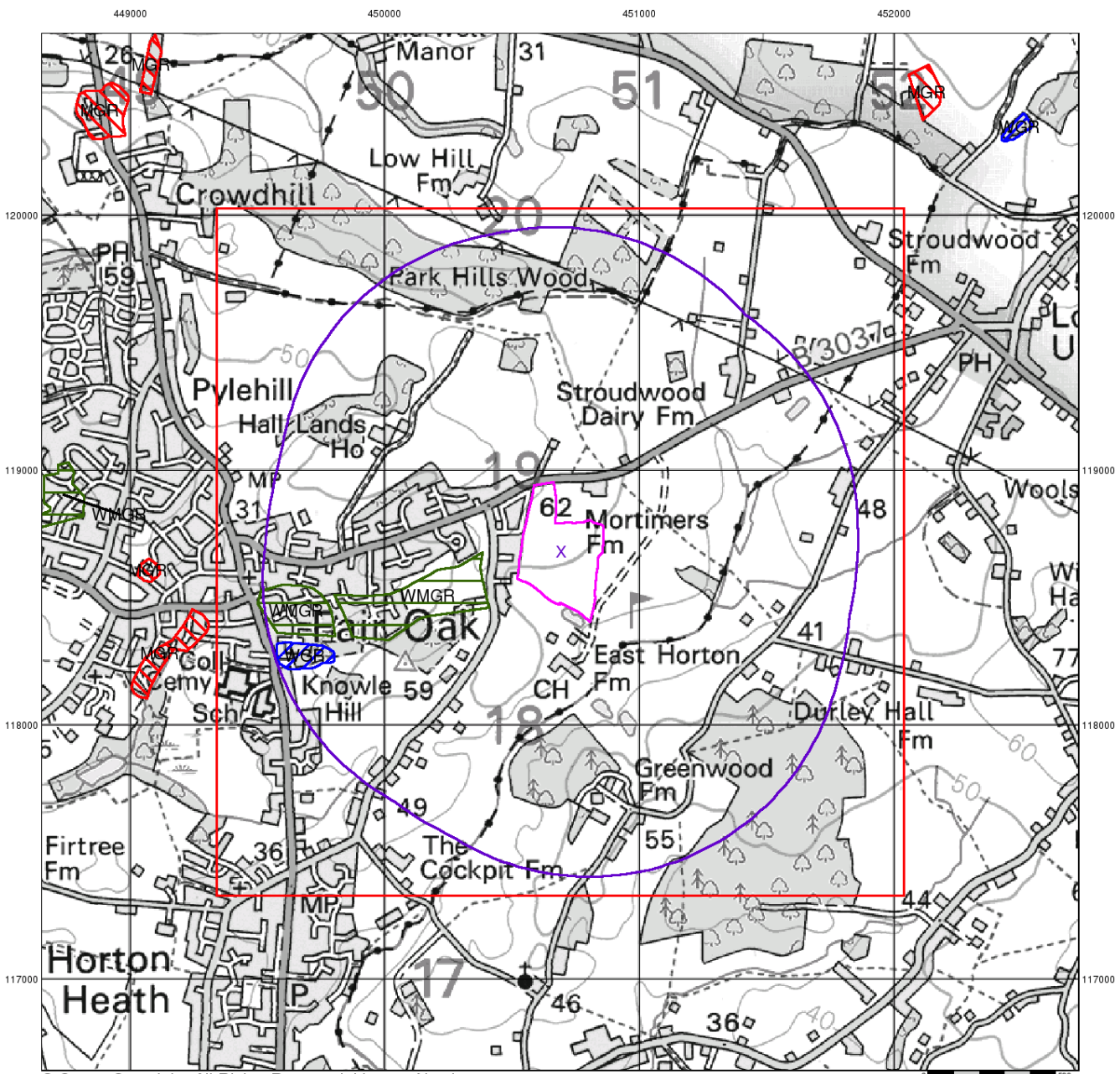


Order Details:

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Customer Reference: GE21215
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Slice: A
Site Area (Ha): 10.97
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Site Details:

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Geo-Environmental

Artificial Ground and Landslip

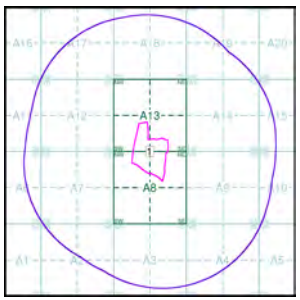
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



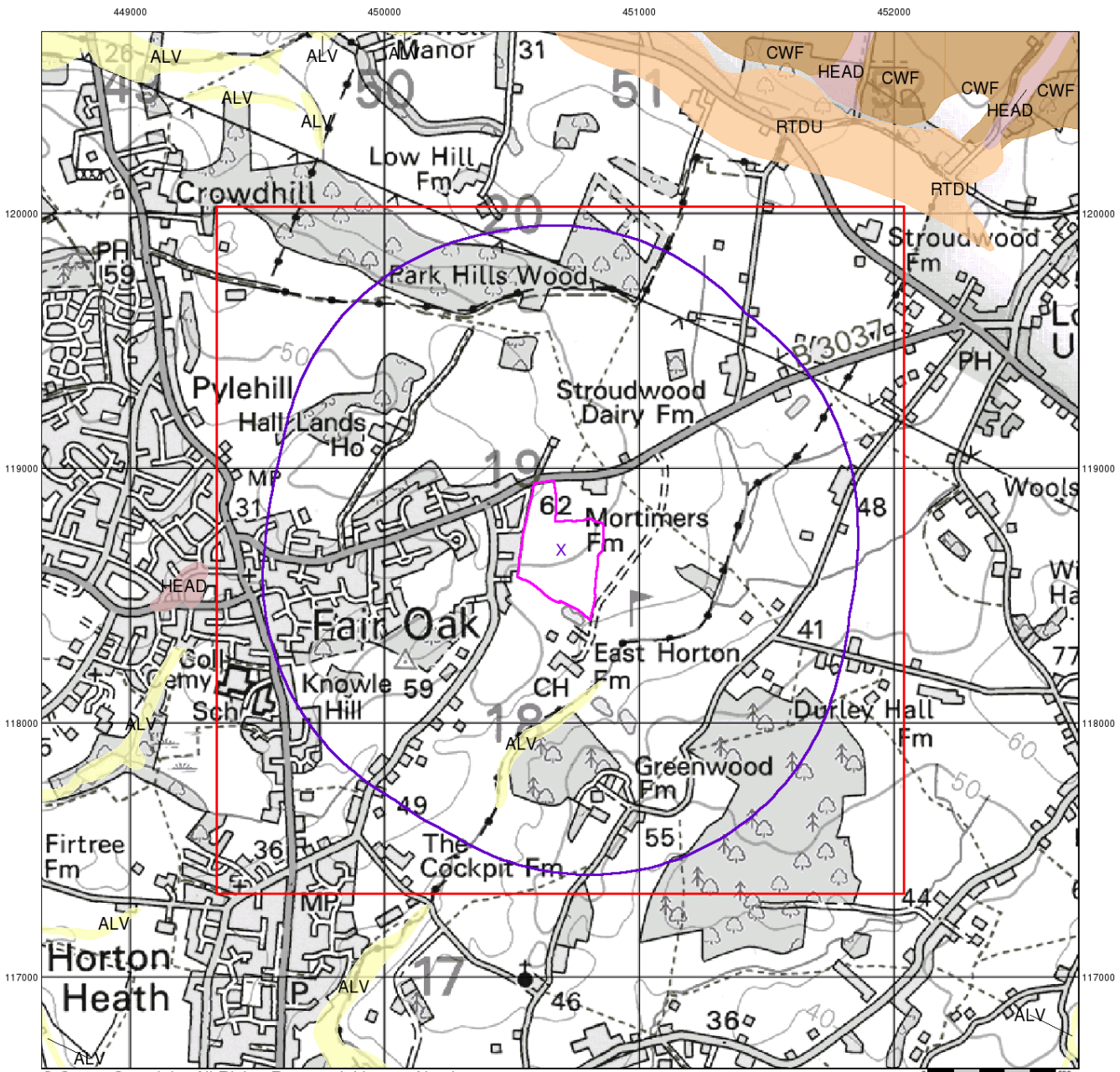
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Slice:	A
Site Area (Ha):	10.97
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Geo-Environmental

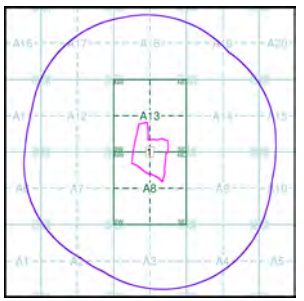
Superficial Geology

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



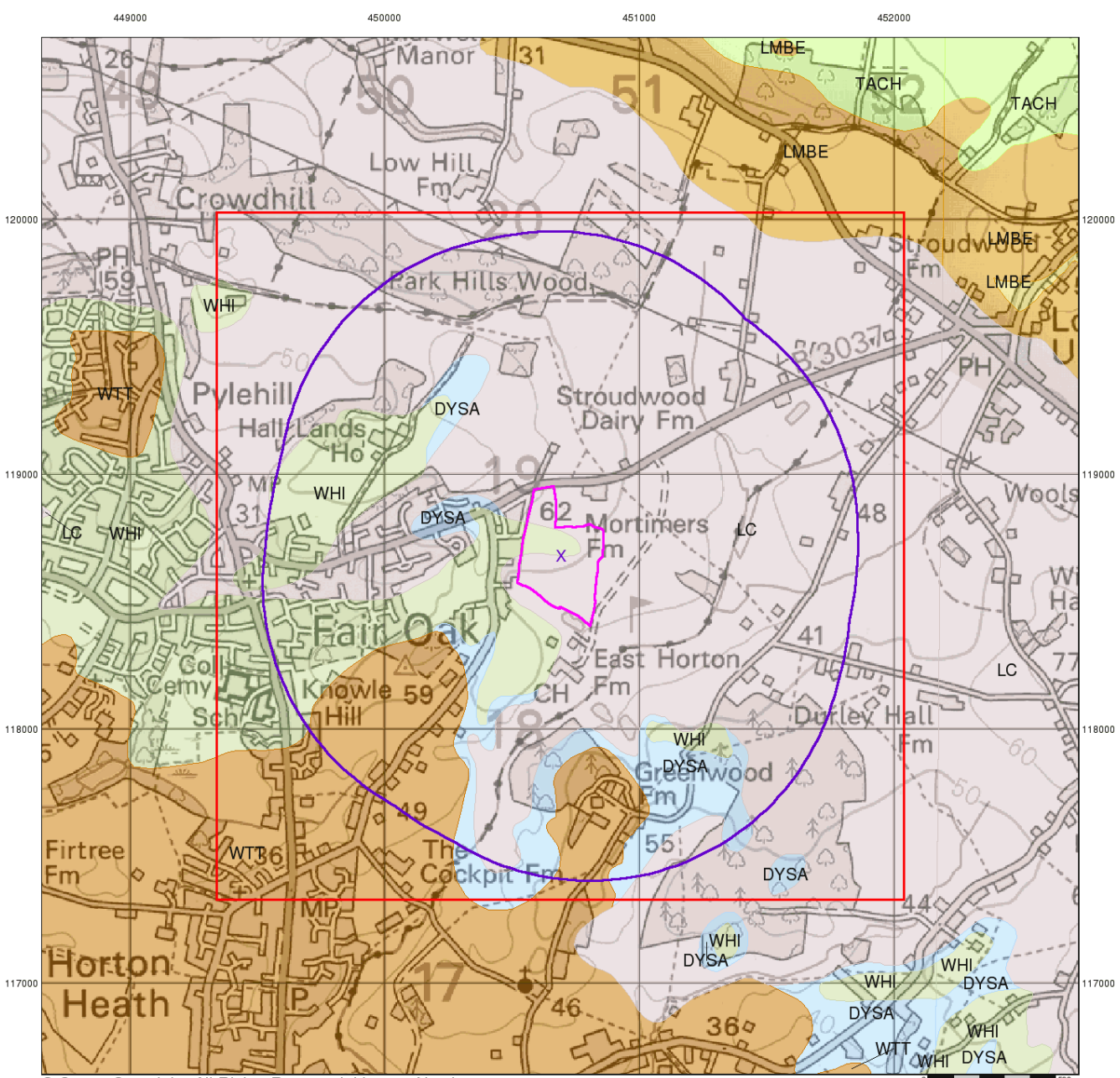
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Search Buffer (m):	1000

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Geo-Environmental

Bedrock and Faults

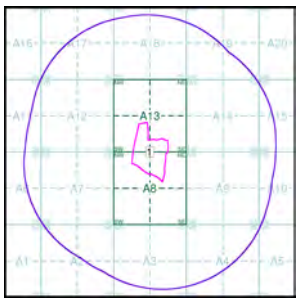
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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



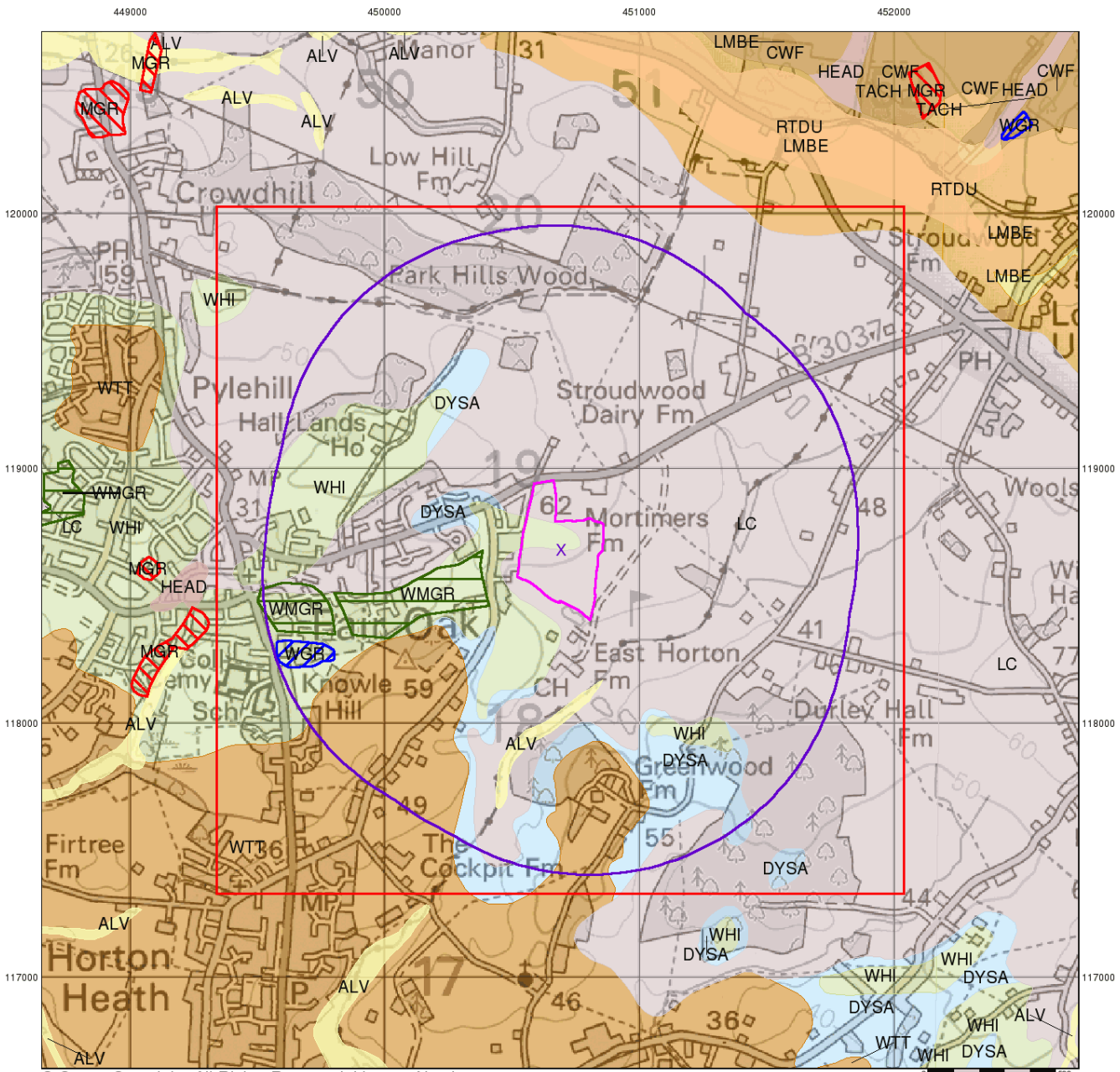
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National Grid Reference:	450690, 118680
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Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details:

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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.

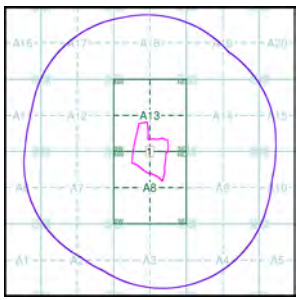
Additional Information

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



Order Details:

Order Number:	304784389_1_1
Customer Reference:	GE21215
National Grid Reference:	450690, 118680
Slice:	A
Site Area (Ha):	10.97
Search Buffer (m):	1000

Site Details:

Site at 450680, 118690

Geo-Environmental

APPENDIX B

Exploratory Hole Logs & In-situ Test Results



Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS01** Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450549E - 118583N	Hole Type WLS
Location:	Fair Oak		Level: 47.23	Scale 1:25
Client:	Bloor Homes Southern		Dates: 16/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	46.98		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
					0.80	46.43		Soft to firm orange and grey mottled sandy CLAY with frequent roots and rootlets LONDON CLAY	
		1.00	PP	1.0kg/cm2	1.10	46.13		Firm orange and grey mottled sandy CLAY with frequent rootlets LONDON CLAY	1
					1.70	45.53		Soft to firm orange and grey mottled very sandy CLAY. Sand is fine LONDON CLAY	
		2.00	PP	2.1kg/cm2	2.10	45.13		Firm to stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	2
		2.50	PP	2.5kg/cm2				Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	
▼		3.00	PP	2.0kg/cm2	3.10	44.13		Stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	3
		3.50	PP	2.5kg/cm2					
		4.00	PP	1.5kg/cm2					4
		4.10	ES						
		4.50	PP	2.7kg/cm2					
		5.00	PP	2.1kg/cm2	5.00	42.23		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		**Remarks**
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			3.00	3.00	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS02** Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450542E - 118633N	Hole Type WLS
Location:	Fair Oak		Level: 50.37	Scale 1:25
Client:	Bloor Homes Southern		Dates: 16/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	50.12		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.3kg/cm2				Firm orange and grey mottled CLAY with frequent roots and rootlets LONDON CLAY	
					0.80	49.57		Firm orange and grey mottled CLAY with occasional rootlets LONDON CLAY	1
		1.00	PP	1.0kg/cm2					
					1.30	49.07		Firm orange and grey mottled CLAY with rare flint gravel LONDON CLAY	
		1.50	PP	1.3kg/cm2					
		1.60	ES						
		2.00	PP	1.5kg/cm2					2
					2.10	48.27		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	
		2.50	PP	2.5kg/cm2					
		3.00	PP	3.2kg/cm2					3
					3.30	47.07		Dark grey slightly clayey silty fine SAND LONDON CLAY	
	▼								
					3.90	46.47		Stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		4.00	PP	1.8kg/cm2					4
		4.50	PP	2.4kg/cm2					
		5.00	PP	2.5kg/cm2	5.00	45.37		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		**Remarks**
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			3.80	3.80	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS03** Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450554E - 118711N	Hole Type WLS
Location:	Fair Oak		Level: 54.81	Scale 1:25
Client:	Bloor Homes Southern		Dates: 15/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	54.61		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL
		0.50	PP	1.4kg/cm2				Firm orange brown slightly sandy CLAY with occasional rootlets. Sand is fine LONDON CLAY
					0.60	54.21		Stiff becoming very stiff orange and grey mottled CLAY with occasional rootlets LONDON CLAY
		1.00	PP	2.5kg/cm2				
		1.40	ES					
		1.50	PP	3.6kg/cm2				
					1.70	53.11		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY
		2.00	PP	2.5kg/cm2				
					2.10	52.71		Orange and grey mottled slightly clayey silty fine SAND LONDON CLAY
	▼							
					3.30	51.51		Orange and grey mottled clayey silty fine SAND LONDON CLAY
					4.20	50.61		Firm dark grey sandy CLAY. Sand is fine LONDON CLAY
		4.50	PP	1.2kg/cm2				
		5.00	PP	1.4kg/cm2	5.00	49.81		End of Borehole at 5.00m

Dynamic Sampling Run Details			Water Strike Details (mbgl)		**Remarks**
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			3.00	3.00	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS04** Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450764E - 118486N	Hole Type WLS
Location:	Fair Oak		Level: 42.85	Scale 1:25
Client:	Bloor Homes Southern		Dates: 16/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	42.60		Grass over dark brown sandy CLAY with frequent roots and rootlets TOPSOIL	
					0.70	42.14		Firm orange brown very sandy CLAY with occasional roots and rootlets. Sand is fine LONDON CLAY	
								Orange brown clayey silty fine SAND with occasional bands of orange and grey mottled sandy CLAY LONDON CLAY	1
					1.80	41.04		Stiff orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY	
		2.00	PP	2.3kg/cm2					2
					2.20	40.65		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	
		2.50	PP	2.0kg/cm2					
		2.60	ES						
		3.00	PP	2.1kg/cm2					3
					3.15	39.70		Stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.50	PP	2.9kg/cm2					
		4.00	PP	2.7kg/cm2					4
					4.10	38.74		Stiff dark grey sandy CLAY. Sand is fine LONDON CLAY	
		4.50	PP	1.8kg/cm2					
		5.00	PP	1.6kg/cm2	5.00	37.84		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		**Remarks**
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS05** Sheet 1 of 1
Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450841E - 118744N	Hole Type WLS
Location:	Fair Oak		Level:	Scale 1:25
Client:	Bloor Homes Southern		Dates: 16/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25			Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.5kg/cm2				Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY	
					0.70			Stiff orange and grey mottled CLAY with rare rootlets LONDON CLAY	
		1.00	PP	2.0kg/cm2					1
		1.20	ES						
					1.30			Firm to stiff orange and grey mottled CLAY LONDON CLAY	
		1.50	PP	1.5kg/cm2					
					1.90			Stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		2.00	PP	1.4kg/cm2					2
		2.50	PP	1.7kg/cm2					
		3.00	PP	2.5kg/cm2					3
					3.10			Stiff becoming very stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.50	PP	2.8kg/cm2					
		4.00	PP	3.1kg/cm2					4
								Rare shell inclusions	
		4.50	PP	2.6kg/cm2					
		5.00	PP	3.0kg/cm2	5.00			End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		**Remarks**
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	Borehole Log	Borehole No. **WS06** Sheet 1 of 1
Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450809E - 118551N	Hole Type WLS
Location:	Fair Oak		Level: 45.06	Scale 1:25
Client:	Bloor Homes Southern		Dates: 15/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.30	44.76		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	0.4kg/cm2				Soft to firm orange brown sandy wet CLAY with occasional roots and rootlets. Sand is fine LONDON CLAY	
		1.00	PP	0.5kg/cm2					1
					1.10	43.96		Firm to stiff orange brown CLAY with occasional rootlets LONDON CLAY	
					1.40	43.66		Firm to stiff orange brown CLAY LONDON CLAY	
		1.50	PP	2.1kg/cm2					
		2.00	PP	1.7kg/cm2					2
		2.20	ES		2.20	42.86		Firm to stiff orange and grey mottled slightly sandy CLAY LONDON CLAY	
		2.50	PP	1.4kg/cm2					
		3.00	PP	1.7kg/cm2					3
		3.50	PP	1.5kg/cm2					
		4.00	PP	1.2kg/cm2					4
					4.40	40.66		Stiff dark grey and slightly orange slightly sandy CLAY. Sand is fine LONDON CLAY	
		4.50	PP	2.5kg/cm2					
		5.00	PP	2.0kg/cm2	5.00	40.06		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

AGS

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Unit 7, Danworth Farm
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Borehole Log

Borehole No. **WS07**
Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450737E - 118632N	Hole Type WLS
Location:	Fair Oak		Level: 49.91	Scale 1:25
Client:	Bloor Homes Southern		Dates: 16/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	49.66		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.1kg/cm2				Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY	
					0.60	49.31		Firm orange brown slightly sandy CLAY with rare rootlets. Sand is fine LONDON CLAY	
		1.00	PP	1.1kg/cm2					1
					1.20	48.71		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY	
		1.50	PP	0.8kg/cm2					
		2.00	PP	0.9kg/cm2					2
					2.30	47.61		Stiff orange and grey mottled slightly sandy CLAY with rare ferrous inclusions. Sand is fine LONDON CLAY	
		2.50	PP	2.1kg/cm2					
		3.00	PP	2.2kg/cm2					3
					3.20	46.71		Very stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.50	PP	3.9kg/cm2					
		3.70	ES						
					3.80	46.11		Very stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		4.00	PP	3.0kg/cm2					4
		4.50	PP	3.5kg/cm2					
		5.00	PP	3.6kg/cm2	5.00	44.91		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	Borehole Log	Borehole No. **WS08** Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450723E - 118756N	Hole Type WLS
Location:	Fair Oak		Level: 54.77	Scale 1:25
Client:	Bloor Homes Southern		Dates: 15/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	54.52		Grass over dark brown sandy CLAY with frequent roots and rootlets TOPSOIL	
					0.70	54.07		Soft to firm orange brown sandy CLAY with frequent roots and rootlets. Sand is fine LONDON CLAY	
		1.00	PP	1.5kg/cm2				Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY	1
		1.20	ES						
		1.50	PP	1.4kg/cm2	1.40	53.37		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	
		2.00	PP	1.0kg/cm2					2
					2.20	52.57		Soft to firm orange and grey mottled sandy sticky CLAY. Sand is fine LONDON CLAY	
					2.90	51.87		Soft to firm orange brown very sandy sticky CLAY. Sand is fine LONDON CLAY	3
	▼								4
					4.70	50.07		Firm dark grey sandy CLAY. Sand is fine LONDON CLAY	
		5.00	PP	0.9kg/cm2	5.00	49.77		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Borehole slumping due to wet clays
			4.00	4.00	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **WS09** Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords:	450625E - 118749N	Hole Type WLS
Location:	Fair Oak		Level:	56.70	Scale 1:25
Client:	Bloor Homes Southern		Dates:	16/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	56.45		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.4kg/cm2				Firm orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY	
		1.00	ES						1
		1.00	PP	1.1kg/cm2					
					1.20	55.50		Firm to stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	
		1.50	PP	1.5kg/cm2					
		2.00	PP	2.0kg/cm2					2
		2.50	PP	1.0kg/cm2	2.50	54.20		Firm to stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.00	PP	2.5kg/cm2					3
					3.20	53.50		Stiff becoming very stiff dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.50	PP	2.1kg/cm2					
		4.00	PP	2.4kg/cm2					4
		4.50	PP	3.0kg/cm2					
		5.00	PP	3.5kg/cm2	5.00	51.70		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		**Remarks**
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

AGS

Geo-Environmental
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Borehole Log

Borehole No. **WS10**
Sheet 1 of 1

Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords:	450591E - 118850N	Hole Type WLS
Location:	Fair Oak		Level:	58.09	Scale 1:25
Client:	Bloor Homes Southern		Dates:	15/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.25	57.84		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL
		0.50	PP	1.5kg/cm2				Firm orange and grey mottled slightly sandy CLAY with occasional roots and rootlets LONDON CLAY
					0.60	57.49		Firm to stiff orange and grey mottled slightly sandy CLAY with rare rootlets. Sand is fine LONDON CLAY
		1.00	PP	2.0kg/cm2				
					1.20	56.89		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY
		1.50	PP	1.2kg/cm2				
		1.80	ES		1.80	56.29		Soft orange and grey mottled sandy sticky CLAY. Sand is fine LONDON CLAY
		2.00	PP	0.5kg/cm2				
					3.40	54.69		Firm brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY
		3.50	PP	0.9kg/cm2				
		4.00	PP	1.5kg/cm2	4.00	54.09		End of Borehole at 4.00m

1 2 3 4 5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Sides unstable due to wet clays slumping in borehole

AGS

Geo-Environmental Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**		Borehole No. **WS11** Sheet 1 of 1
Project Name: Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450625E - 118526N	Hole Type WLS
Location: Fair Oak		Level:	Scale 1:25
Client: Bloor Homes Southern		Dates: 15/12/2022	Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25			Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.7kg/cm2				Firm orange and grey mottled CLAY with frequent rootlets LONDON CLAY	
		1.00	PP	1.7kg/cm2					1
					1.10			Firm to stiff orange and grey mottled slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint LONDON CLAY	
					1.40			Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY	
		1.50	PP	1.8kg/cm2					
	▼	2.00	PP	1.2kg/cm2					2
		2.10	ES						
		2.50	PP	1.4kg/cm2					
		3.00	PP	1.0kg/cm2					3
					3.10			Stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		3.50	PP	1.8kg/cm2					
					3.60			Firm dark grey slightly sandy CLAY. Sand is fine LONDON CLAY	
		4.00	PP	1.5kg/cm2					4
		4.50	PP	2.5kg/cm2					
		5.00	PP	2.6kg/cm2	5.00			End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	
			2.00	2.00	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	Borehole Log	Borehole No. **WS12** Sheet 1 of 1
Project Name:	Land South of Mortimers Lane	Project No. GE21215	Co-ords: 450628E - 118918N Hole Type WLS
Location:	Fair Oak		Level: 59.54 Scale 1:25
Client:	Bloor Homes Southern		Dates: 15/12/2022 Logged By FG

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.25	59.29		Grass over dark brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL	
		0.50	PP	1.5kg/cm2				Firm orange and grey mottled CLAY with occasional roots and rootlets LONDON CLAY	
					0.90	58.64			
		1.00	PP	1.1kg/cm2				Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY	1
		1.50	PP	1.5kg/cm2					
					1.90	57.64			
		2.00	PP	1.5kg/cm2				Stiff becoming very stiff brownish grey slightly sandy CLAY. Sand is fine LONDON CLAY	2
		2.50	PP	2.6kg/cm2					
		3.00	ES						3
		3.00	PP	2.2kg/cm2					
		3.50	PP	3.4kg/cm2					
					3.75	55.79		Stiff becoming very stiff dark grey slightly sandy CLAY LONDON CLAY	
		4.00	PP	2.3kg/cm2					4
		4.50	PP	3.0kg/cm2					
		5.00	PP	3.5kg/cm2	5.00	54.54		End of Borehole at 5.00m	5

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	

AGS

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH01** Sheet 1 of 3

Project Name:	Land South of Mortimers Lane	Project No. GE22375	Co-ords: 450775E - 118779N	Hole Type CP
Location:	Fair Oak		Level: 52.46	Scale 1:50
Client:	Bloor Homes Southern		Dates: 11/11/2024	Logged By Del Bowman

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	52.36		TOPSOIL. TOPSOIL
		0.30	B					Soft mottled orange brown slightly gravelly CLAY. Gravel is rounded fine. LONDON CLAY
		0.50	B					
		1.00	B					
		1.50 - 1.95	D					
		1.50	S	N=9 (1,1/2,2,2,3)				
		2.50 - 2.95	D					
		2.50	S	N=10 (1,2/2,2,3,3)				
		3.50 - 3.95	D					
		3.50	S	N=11 (1,2/2,3,3,3)				
		4.10	B		4.10	48.36		Firm to stiff grey slightly silty CLAY. LONDON CLAY
		4.50 - 4.95	D					
		4.50	S	N=14 (2,3/3,3,4,4)				
		5.50 - 5.95	D					
		5.50	S	N=15 (2,2/3,3,4,5)				
		6.50 - 6.95	D					
		6.50	S	N=21 (2,4/4,5,6,6)				
		7.50 - 7.95	D					
		7.50	S	N=26 (3,4/4,7,7,8)				
		8.50 - 8.95	D					
		8.50	S	N=26 (3,5/5,6,7,8)				
		9.50 - 9.95	D					
		9.50	S	N=28 (4,6/6,6,7,9)				
								Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
150 200	3.00					

AGS
Status
PRELIM

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH01** Sheet 2 of 3

Project Name:	Land South of Mortimers Lane	Project No. GE22375	Co-ords:	450775E - 118779N	Hole Type CP
Location:	Fair Oak		Level:	52.46	Scale 1:50
Client:	Bloor Homes Southern		Dates:	11/11/2024	Logged By Del Bowman

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		10.50 - 10.95 10.50	D S	N=28 (4,6/6,6,7,9)				Firm to stiff grey slightly silty CLAY. LONDON CLAY
		11.50 - 11.95 11.50	D S	N=31 (5,7/7,8,8,8)				
		12.50 - 12.95 12.50	D S	N=30 (4,6/6,7,8,9)				
		13.50 - 13.95 13.50	D S	N=30 (5,5/6,6,9,9)				
		14.50 - 14.95 14.50	D S	N=36 (4,7/7,9,10,10)				
		15.50 - 15.95 15.50	D S	N=31 (4,6/6,7,8,10)				
		16.50 - 16.95 16.50	D S	N=35 (6,7/7,8,10,10)				
		17.50 - 17.95 17.50	D S	N=38 (6,7/7,9,10,12)				
		18.50 - 18.95 18.50	D S	N=39 (6,8/8,9,10,12)				
		19.50 - 19.95 19.50	D S	N=39 (7,7/8,8,10,13)				

Continued on Next Sheet

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
150 200	3.00					

AGS
Status
PRELIM

Geo-Environmental	Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net	**Borehole Log**	Borehole No. **BH01** Sheet 3 of 3

Project Name:	Land South of Mortimers Lane	Project No. GE22375	Co-ords:	450775E - 118779N	Hole Type CP
Location:	Fair Oak		Level:	52.46	Scale 1:50
Client:	Bloor Homes Southern		Dates:	11/11/2024	Logged By Del Bowman

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		20.50 - 20.95 20.50	D S	N=41 (6,9/9,10,10,12)				Firm to stiff grey slightly silty CLAY. LONDON CLAY
		21.50 - 21.95 21.50	D S	N=39 (6,7/7,9,10,13)				
		22.50 - 22.95 22.50	D S	N=39 (6,7/7,9,10,13)				
		23.50 - 23.95 23.50	D S	N=44 (7,9/9,10,12,13)				
		24.50 - 24.95 24.50	D S	N=48 (8,10/10,12,13,13)				
					25.00	27.46		End of Borehole at 25.00m

21 22 23 24 25 26 27 28 29 30

Casing		Water Strikes (mbgl)		Chiselling (mbgl)		Remarks
Diameter	Depth (m)	Depth Strike	Rose to	Depth from	Depth to	
150 200	3.00					

AGS
Status
PRELIM

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP01
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	08/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450593.0	Northing: 118920.0	Ground Level: 59.80mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1		59.55	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets and occasional flint gravel TOPSOIL		
0.50	D1	PP=2.2kg/cm2		(0.45)		Firm orange and grey mottled CLAY with occasional roots and rootlets LONDON CLAY		
0.70	ES2		59.10	0.70		Stiff orange and grey mottled CLAY LONDON CLAY		
1.00	D2	PP=2.3kg/cm2		(0.50)				
			58.60	1.20		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.5kg/cm2		(0.50)				
			58.10	1.70		Stiff orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
2.00	D4	PP=2.8kg/cm2		(0.50)				
			57.60	2.20		Orange and grey mottled clayey fine SAND LONDON CLAY		
2.50	D5			(0.40)				
			57.20	2.60		End of Trial Pit at 2.60m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.60m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage through base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP02
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450653.0	Northing: 118915.0	Ground Level: 59.24mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, cool | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			59.00	0.25		Grass over dark brown slightly silty CLAY with frequent roots and rootlets TOPSOIL		
0.35	ES1					Firm orange brown silty sandy CLAY. With occasional rootlets. Sand is fine LONDON CLAY		
0.50	D1	PP=1.3kg/cm2		(0.85)				
1.00	D2	PP=1kg/cm2	58.14	1.10		Firm orange brown sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.7kg/cm2		(0.50)				
			57.64	1.60		End of Trial Pit at 1.60m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	1.60m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Soakage

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP03
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450590.0	Northing: 118880.0	Ground Level: 58.75mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1		58.50	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.40	ES2			(0.35)		Firm orange and grey mottled CLAY with occasional roots and rootlets LONDON CLAY		
0.50	D1	PP=1.5kg/cm2	58.15	0.60				
1.00	D2	PP=1.2kg/cm2		(0.60)		Firm to stiff orange and grey mottled slightly gravelly CLAY. Gravel is medium to coarse sub angular to sub rounded of flint LONDON CLAY		
1.50	D3	PP=2kg/cm2	57.55	1.20		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
2.00	D4	PP=2.3kg/cm2		(1.30)				
2.50	D5	PP=1.8kg/cm2	56.25	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP04
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450588.0	Northing: 118841.0	Ground Level: 57.94mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.69	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.30	ES1					Firm orange and grey mottled slightly sandy CLAY with occasional rootlets LONDON CLAY		
0.50	B1	PP=1.9kg/cm2		(0.55)				
0.50	D1		57.14	0.80		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=1.6kg/cm2						
1.50	D3	PP=2kg/cm2		(1.50)				
2.00	D4	PP=1.4kg/cm2						
			55.64	2.30		Orange slightly clayey fine SAND LONDON CLAY		
2.50	D5		55.44	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Water seepage through base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP05
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450657.0	Northing: 118848.0	Ground Level: 57.76mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, damp | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.20	ES1		57.51	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.5kg/cm2		(0.65)		Firm orange and grey mottled CLAY with occasional roots and rootlets and rare flint gravel LONDON CLAY		
1.00	D2	PP=1.6kg/cm2	56.86	0.90		Firm orange and grey mottled sticky CLAY LONDON CLAY		
1.50	D3	PP=1.6kg/cm2	56.36	1.40		Firm to stiff orange and grey mottled CLAY with rare flint gravel LONDON CLAY		
2.00	D4	PP=1.7kg/cm2	55.66	2.10		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
		PP=1.4kg/cm2	55.26	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Water seepage through side wall at 2.4m bgl

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP06
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 2
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450571.0	Northing: 118830.0	Ground Level: 58.04mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.84	0.20		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.9kg/cm2		(0.90)		Firm to stiff orange and grey slightly sandy CLAY CLAY with occasional rootlets LONDON CLAY		
1.00	D2	PP=2.4kg/cm2	56.94	1.10				
1.50	D3	PP=2.6kg/cm2		(1.00)		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
2.00	D4	PP=3.1kg/cm2						
2.00	ES1		55.94	2.10		End of Trial Pit at 2.10m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.10m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Steady water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP07
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450599.0	Northing: 118820.0	Ground Level: 57.36mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.11	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.4kg/cm2		(0.95)		Firm orange and grey mottled slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
1.00	D2	PP=1.3kg/cm2						
			56.16	1.20		Firm orange and grey slightly sandy CLAY with occasional flint gravel LONDON CLAY		
1.50	D3	PP=1.5kg/cm2		(0.50)				
1.70	D4	PP=1.4kg/cm2	55.66	1.70		End of Trial Pit at 1.70m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	1.70m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP08
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450628.0	Northing: 118811.0	Ground Level: 56.49mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			56.24	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1			(0.35)		Firm brown and grey slightly sandy silty CLAY with occasional roots and rootlets LONDON CLAY		
			55.89	0.60				
1.00	D2			(0.60)		Firm orange and grey mottled slightly gravelly CLAY with occasional roots and rootlets. Gravel is fine to medium sub angular to sub rounded of flint LONDON CLAY		
			55.29	1.20				
1.50	D3			(0.40)		Firm orange and grey mottled slightly sandy CLAY. LONDON CLAY		
			54.89	1.60				
2.00	D4			(1.00)		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
2.50	D5							
			53.89	2.60		End of Trial Pit at 2.60m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.60m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage through base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit


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Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP09
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450664.0	Northing: 118803.0	Ground Level: 55.57mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			55.32	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.35	ES1					Firm to stiff orange brown CLAY with occasional roots and rootlets LONDON CLAY		
0.50	D1	PP=1.6kg/cm2		(0.45)				
			54.87	0.70		Stiff orange and grey mottled CLAY LONDON CLAY		
1.00	D2	PP=1.9kg/cm2						
				(1.10)				
1.50	D3	PP=1.8kg/cm2						
			53.77	1.80		Firm to stiff orange and grey mottled slightly sandy CLAY LONDON CLAY		
2.00	D4	PP=1.5kg/cm2						
				(0.60)				
			53.17	2.40		End of Trial Pit at 2.40m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.40m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Slight water seepage in sidewall at 2.2m bgl

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



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Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP10
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450692.0	Northing: 118785.0	Ground Level: 54.67mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			54.42	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.1kg/cm2		(1.05)		Firm orange and grey mottled slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
1.00	D2	PP=1.8kg/cm2						
			53.37	1.30		Firm to stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.9kg/cm2		(0.90)				
2.00	D4	PP=2.2kg/cm2						
			52.47	2.20		Stiff orange and grey laminated slightly sandy CLAY LONDON CLAY		
				(0.30)				
		PP=2.1kg/cm2	52.17	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Groundwater not encountered

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



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Geo-Environmental

Contract Name: Land South of Mortimers Lane			Client: Bloor Homes Southern		Trial Pit ID: TP11
Contract Number: GE22375	Date Started: 06/11/2024	Logged By: FG	Checked By: SA	Status: PRELIM	Sheet 1 of 1
Trial Pit Log	Easting: 450623.1	Northing: 118648.1	Ground Level: 51.21mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25
Weather: Overcast, dry	Hole Termination:		Stability: Sides stable		

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.20	ES1		50.96	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.6kg/cm2		(0.50)		Firm orange and grey mottled slightly sandy CLAY with occasional rootlets LONDON CLAY		
			50.46	0.75				
1.00	D2	PP=2kg/cm2		(0.45)		Stiff orange and grey mottled CLAY with rare rootlets LONDON CLAY		
			50.01	1.20				
1.50	D3	PP=2.1kg/cm2				Stiff orange and grey mottled CLAY LONDON CLAY		
				(1.00)				
2.00	D4	PP=1.9kg/cm2						
			49.01	2.20		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
				(0.30)				
2.50	D5		48.71	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



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Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP12
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450567.0	Northing: 118819.0	Ground Level: 58.37mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			58.17	0.20		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=2.1kg/cm2		(0.60)		Firm to stiff orange brown slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
			57.57	0.80				
1.00	D2	PP=1.7kg/cm2				Stiff orange and grey slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
				(0.90)				
1.50	D3	PP=1.8kg/cm2						
			56.67	1.70		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
				(0.30)				
2.00	D4	PP=1.7kg/cm2	56.37	2.00		End of Trial Pit at 2.00m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.00m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Groundwater not encountered

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP13
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450587.0	Northing: 118809.0	Ground Level: 57.83mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.58	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.5kg/cm2		(0.50)		Firm orange brown slightly silty slightly sandy CLAY with rare rootlets LONDON CLAY		
			57.08	0.75				
1.00	D2	PP=1.5kg/cm2				Firm becoming stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.4kg/cm2		(1.45)				
2.00	D4	PP=1.6kg/cm2						
			55.63	2.20		Stiff orange and grey slightly sandy CLAY. Sand is fine LONDON CLAY		
				(0.30)				
2.50	D5	PP=2.5kg/cm2	55.33	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name: Land South of Mortimers Lane			Client: Bloor Homes Southern		Trial Pit ID: TP15
Contract Number: GE22375	Date Started: 05/11/2024	Logged By: FG	Checked By: SA	Status: PRELIM	Sheet 1 of 1
Trial Pit Log	Easting: 450644.0	Northing: 118798.0	Ground Level: 55.95mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25
Weather: Overcast, dry	Hole Termination:		Stability: Sides stable		

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			55.70	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.2kg/cm2		(0.85)		Firm orange brown slightly silty slightly sandy CLAY with occasional rootlets LONDON CLAY		
1.00	D2	PP=1.4kg/cm2	54.85	1.10		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.5kg/cm2		(1.40)				
2.00	D4	PP=1.3kg/cm2						
2.50	D5	PP=1.5kg/cm2	53.45	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Water seepage through base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP16
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450559.0	Northing: 118793.0	Ground Level: 58.89mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			58.69	0.20		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
				(0.40)		Firm orange brown sandy CLAY with occasional rootlets LONDON CLAY		
0.50	D1	PP=1.6kg/cm2	58.29	0.60				
				(0.60)		Firm orange and grey mottled sandy CLAY with rare rootlets LONDON CLAY		
1.00	D2	PP=1.5kg/cm2						
			57.69	1.20		Firm orange and grey mottled slightly silty sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.3kg/cm2						
				(1.30)				
2.00	D4	PP=2kg/cm2						
2.50	D5	PP=1.3kg/cm2	56.39	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Groundwater steady seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name: Land South of Mortimers Lane			Client: Bloor Homes Southern		Trial Pit ID: TP17
Contract Number: GE22375	Date Started: 04/11/2024	Logged By: FG	Checked By: SA	Status: PRELIM	Sheet 1 of 1
Trial Pit Log	Easting: 450591.0	Northing: 118791.0	Ground Level: 58.08mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25
Weather: Overcast, dry	Hole Termination:		Stability: Sides stable		

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.83	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.3kg/cm2		(0.55)		Firm orange and grey mottled slightly sandy silty CLAY with occasional rootlets LONDON CLAY		
			57.28	0.80				
1.00	D2	PP=1.5kg/cm2		(0.80)		Firm orange and grey sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.2kg/cm2						
			56.48	1.60		Firm orange and grey mottled slightly silty sandy CLAY. Sand is fine LONDON CLAY		
2.00	D4	PP=1.3kg/cm2		(0.80)				
			55.68	2.40		End of Trial Pit at 2.40m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.40m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Groundwater seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP18
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450624.0	Northing: 118785.0	Ground Level: 56.83mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1		56.58	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.40	ES2					Firm orange and grey mottled slightly sandy CLAY with occasional roots and rootlets LONDON CLAY		
0.50	D1	PP=1.6kg/cm2		(0.85)				
1.00	D2	PP=1.5kg/cm2	55.73	1.10		Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.6kg/cm2		(1.20)				
2.00	D4	PP=2.1kg/cm2						
2.50	D5	PP=2kg/cm2	54.53 54.33	2.30 2.50		Firm to stiff orange and grey mottled slightly gravelly sandy CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint LONDON CLAY End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Slight water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP19
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450663.0	Northing: 118773.0	Ground Level: 55.99mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			55.74	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
				(0.35)		Orange and grey very clayey fine SAND/ sandy CLAY with rare rootlets LONDON CLAY		
0.50	D1	PP=2kg/cm2	55.39	0.60				
						Stiff orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=2kg/cm2		(0.80)				
			54.59	1.40				
1.50	D3					Orange and grey slightly clayey dense fine SAND LONDON CLAY		
				(0.40)				
			54.19	1.80				
						Stiff orange and grey and occasionally red mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
2.00	D4	PP=2.4kg/cm2		(0.60)				
		PP=2.2kg/cm2	53.59	2.40		End of Trial Pit at 2.40m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.40m
Final Width:	0.60m
Final Length:	1.80m

Remarks

Slight seepage through sidewall at 2.2m bgl

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP20
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450718.0	Northing: 118771.0	Ground Level: 54.57mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, damp | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			54.32	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
				(0.35)		Firm orange brown sandy CLAY with occasional roots and rootlets LONDON CLAY		
0.50	D1	PP=1.2kg/cm2	53.97	0.60				
				(0.60)		Firm orange and grey mottled slightly sandy CLAY with rare rootlets. Sand is fine LONDON CLAY		
1.00	D2	PP=1.5kg/cm2						
			53.37	1.20		Stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=2kg/cm2		(0.70)				
			52.67	1.90		Stiff orange and grey laminated slightly sandy CLAY LONDON CLAY		
2.00	D4	PP=1.9kg/cm2		(0.60)				
			52.07	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage through base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP21
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450556.0	Northing: 118775.0	Ground Level: 58.79mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, breezy | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			58.54	0.25		Grass over brown slightly sandy CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1			(1.05)		Firm orange sandy CLAY with occasional roots and rootlets LONDON CLAY		
1.00	D2	PP=1.5kg/cm2						
			57.49	1.30		Stiff orange brown sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=2.5kg/cm2		(0.40)				
			57.09	1.70		Firm orange brown very sandy CLAY. Sand is fine LONDON CLAY		
				(0.30)				
2.00	D4	PP=1.5kg/cm2	56.79	2.00		End of Trial Pit at 2.00m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.00m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Groundwater not encountered

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP22
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450576.0	Northing: 118770.0	Ground Level: 58.62mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1		58.42	0.20		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
				(0.40)		Firm orange brown slightly sandy CLAY with occasional rootlets LONDON CLAY		
0.50	D1	PP=1.5kg/cm2	58.02	0.60		Firm orange brown sandy CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=1.4kg/cm2						
				(1.60)				
1.50	D3	PP=1.6kg/cm2						
2.00	D4	PP=1.5kg/cm2						
			56.42	2.20		End of Trial Pit at 2.20m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.20m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Slight water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP23
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450613.0	Northing: 118766.0	Ground Level: 57.30mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, breezy | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.10	0.20		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
				(0.55)		Firm orange brown slightly sandy CLAY with rare rootlets LONDON CLAY		
0.50	D1	PP=1.5kg/cm2						
			56.55	0.75		Firm becoming stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=2kg/cm2						
				(0.75)				
1.50	D3	PP=2.4kg/cm2	55.80	1.50		End of Trial Pit at 1.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	1.50m
Final Width:	0.60m
Final Length:	1.80m

Remarks

Soakage

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP24
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450652.0	Northing: 118759.0	Ground Level: 56.52mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			56.27	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.7kg/cm2		(0.50)		Firm orange brown slightly sandy CLAY with occasional rootlets LONDON CLAY		
			55.77	0.75				
1.00	D2	PP=1.7kg/cm2		(0.45)		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
			55.32	1.20				
1.50	D3	PP=2kg/cm2		(0.50)		Stiff orange and grey sandy CLAY. Sand is fine LONDON CLAY		
			54.82	1.70				
2.00	D4			(0.80)		Orange and grey slightly clayey dense fine SAND LONDON CLAY		
2.50	D5		54.02	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Very slight water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP25
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450699.0	Northing: 118757.0	Ground Level: 55.50mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, damp | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			55.25	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.30	ES1					Firm orange brown very sandy CLAY with occasional roots and rootlets LONDON CLAY		
0.50	D1	PP=1.5kg/cm2		(0.50)				
			54.75	0.75		Orange brown very clayey fine SAND with occasional bands of firm orange CLAY LONDON CLAY		
1.00	D2							
				(0.95)				
1.50	D3							
			53.80	1.70		Firm orange and grey mottled sandy CLAY with occasional bands of fine orange and grey SAND LONDON CLAY		
2.00	D4	PP=1.1kg/cm2		(0.50)				
			53.30	2.20		Firm orange and grey sandy CLAY. Sand is fine LONDON CLAY		
				(0.30)				
2.50	D5	PP=1.4kg/cm2	53.00	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP26
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450548.0	Northing: 118747.0	Ground Level: 57.46mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, breezy | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.21	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=2.4kg/cm2		(0.55)		Firm to stiff orange brown slightly sandy CLAY with occasional rootlets LONDON CLAY		
			56.66	0.80		Stiff orange brown slightly sandy CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=1.8kg/cm2						
				(1.20)				
1.50	D3	PP=3.5kg/cm2						
2.00	D4	PP=2.9kg/cm2	55.46	2.00		End of Trial Pit at 2.00m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.00m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Groundwater seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP27
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450594.0	Northing: 118743.0	Ground Level: 57.47mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			57.22	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
				(0.85)		Firm orange brown sandy CLAY with rare rootlets LONDON CLAY		
0.50	D1	PP=1.5kg/cm2						
1.00	D2	PP=1.6kg/cm2						
			56.37	1.10		Firm orange and grey mottled slightly silty sandy CLAY. Sand is fine LONDON CLAY		
1.20	ES1							
1.50	D3	PP=1.5kg/cm2		(0.70)				
			55.67	1.80		Stiff orange and grey mottled slightly sandy CLAY LONDON CLAY		
2.00	D4	PP=2.3kg/cm2		(0.50)				
		PP=2kg/cm2	55.17	2.30		End of Trial Pit at 2.30m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.30m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Water seepage through side wall at 1.8m bgl and in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP28
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	05/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450648.0	Northing: 118735.0	Ground Level: 56.46mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.20	ES1		56.21	0.25		Grass over dark brown sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=2kg/cm2		(0.55)		Firm orange brown slightly sandy CLAY with occasional rootlets LONDON CLAY		
1.00	D2	PP=2.3kg/cm2	55.66	0.80 (0.40)		Stiff orange brown CLAY with rare rootlets LONDON CLAY		
1.50	D3	PP=2kg/cm2	55.26	1.20 (1.00)		Stiff orange and grey mottled very sandy CLAY LONDON CLAY		
2.00	D4		54.26	2.20 (0.30)		Orange slightly clayey fine SAND LONDON CLAY		
2.50	D5		53.96	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Slight water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP29
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	07/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450713.0	Northing: 118731.0	Ground Level: 55.13mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, damp | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			54.88	0.25		Grass over orange brown slightly sandy slightly silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1			(0.55)		Orange brown very clayey fine SAND with occasional roots and rootlets LONDON CLAY		
			54.33	0.80		Firm orange very sandy CLAY LONDON CLAY		
1.00	B1							
1.00	D2			(0.90)				
1.50	D3	PP=1.3kg/cm2						
			53.43	1.70		Yellowish orange and slightly grey clayey fine SAND LONDON CLAY		
2.00	D4			(0.70)				
			52.73	2.40		End of Trial Pit at 2.40m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.40m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Groundwater not encountered

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP30
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	04/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450811.0	Northing: 118734.0	Ground Level: 51.04mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.20	ES1		50.79	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.7kg/cm2		(0.65)		Firm orange brown slightly sandy silty CLAY with rare rootlets LONDON CLAY		
1.00	D2	PP=1.7kg/cm2	50.14	0.90		Firm orange brown slightly sandy silty CLAY. Sand is fine LONDON CLAY		
1.00	ES2			(0.70)				
1.50	D3	PP=1.5kg/cm2						
			49.44	1.60		End of Trial Pit at 1.60m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	1.60m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Soakage

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP31
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450583.0	Northing: 118710.0	Ground Level: 56.20mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			56.10	0.10		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.30	ES1					Firm orange and grey very gravelly slightly sandy CLAY with frequent ironstone cobbles. Reworked ground MADE GROUND		
0.50	D1			(1.00)				
0.70	ES2							
1.00	D2	PP=1.5kg/cm2						
			55.10	1.10		Firm to stiff orange and grey mottled slightly sandy CLAY with rare ironstone cobbles. Sand is fine LONDON CLAY		
1.50	D3	PP=1.7kg/cm2		(0.60)				
			54.50	1.70		Stiff orange and grey mottled slightly sandy CLAY. LONDON CLAY		
2.00	D4	PP=2.1kg/cm2		(0.60)				
2.30	D5	PP=2.2kg/cm2	53.90	2.30		End of Trial Pit at 2.30m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.30m
Final Width:	0.80m
Final Length:	1.90m

Remarks

Water seepage through base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP32
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450740.0	Northing: 118675.0	Ground Level: 52.30mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.20	ES1		52.06	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1kg/cm2		(0.55)		Firm orange brown sandy CLAY with occasional rootlets LONDON CLAY		
1.00	D2	PP=2kg/cm2	51.50	0.80		Firm orange and grey mottled slightly sandy CLAY.Sand is fine LONDON CLAY		
1.50	D3	PP=2.2kg/cm2	51.00	1.30				
				(0.80)		Stiff orange and grey mottled CLAY LONDON CLAY		
2.00	D4	PP=1.9kg/cm2	50.20	2.10				
				(0.40)		Stiff orange and grey slightly sandy CLAY. Sand is fine LONDON CLAY		
2.50	D5	PP=1.9kg/cm2	49.80	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water ingress in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP33
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450779.0	Northing: 118650.0	Ground Level: 49.33mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1					Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
			49.08	0.25				
0.50	D1			(0.45)		Firm orange and grey mottled slightly sandy slightly silty CLAY with occasional rootlets LONDON CLAY		
			48.63	0.70				
1.00	D2					Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
				(1.40)				
1.50	D3							
2.00	D4							
2.10	ES2		47.23	2.10		Firm orange and grey mottled sandy CLAY. Sand is fine LONDON CLAY		
				(0.40)				
2.50	D5		46.83	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP34
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450551.0	Northing: 118655.0	Ground Level: 51.80mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			51.55	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.30	ES1					Firm orange and grey slightly sandy CLAY with occasional rootlets LONDON CLAY		
0.50	D1	PP=1kg/cm2		(0.85)				
1.00	D2	PP=1.5kg/cm2						
			50.70	1.10		End of Trial Pit at 1.10m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	1.10m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Clay land drain encountered at 1.1m bgl with running water, therefore trial pit terminated.

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP35
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450720.0	Northing: 118601.0	Ground Level: 48.92mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			48.67	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50 0.50	B1 D1	PP=1.2kg/cm2		(0.55)		Firm orange brown slightly sandy slightly silty CLAY with occasional rootlets LONDON CLAY		
			48.12	0.80		Firm orange and grey mottled slightly sandy slightly silty CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=1.3kg/cm2		(0.50)				
			47.62	1.30		Firm orange and grey mottled sandy CLAY LONDON CLAY		
1.50	D3	PP=1.9kg/cm2						
				(1.20)				
2.00	D4	PP=2kg/cm2						
2.50	D5	PP=1.5kg/cm2	46.42	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP36
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450661.0	Northing: 118591.0	Ground Level: 48.20mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.15	ES1		47.95	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.45	ES2					Firm orange and grey mottled slightly sandy slightly silty CLAY with occasional rootlets LONDON CLAY		
0.50	D1	PP=1.2kg/cm2		(0.50)				
			47.45	0.75		Firm orange and grey mottled slightly sandy slightly silty CLAY. Sand is fine LONDON CLAY		
1.00	D2	PP=1.5kg/cm2		(0.65)				
1.20	ES3							
			46.80	1.40		Firm orange and grey slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.4kg/cm2						
2.00	D4	PP=1.6kg/cm2		(1.10)				
2.50	D5	PP=1.2kg/cm2	45.70	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.20m

Remarks

Water seepage through side wall at 2.1m bgl

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name: Land South of Mortimers Lane		Client: Bloor Homes Southern			Trial Pit ID: TP37
Contract Number: GE22375	Date Started: 06/11/2024	Logged By: FG	Checked By: SA	Status: PRELIM	Sheet 1 of 1
Trial Pit Log	Easting: 450558.3	Northing: 118602.3	Ground Level: 48.22mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25
Weather: Overcast, dry	Hole Termination:		Stability: Sides stable		

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
0.20	ES1		47.97	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.50	D1	PP=1.5kg/cm2		(0.55)		Firm orange and grey mottled slightly sandy CLAY with occasional rootlets LONDON CLAY		
1.00	D2	PP=1.0kg/cm2	47.42	0.80		Firm becoming stiff orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
1.50	D3	PP=1.2kg/cm2		(1.30)				
2.00	D4	PP=0.9kg/cm2	46.12	2.10		End of Trial Pit at 2.10m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.10m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)

Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name:		Client:			Trial Pit ID:
Land South of Mortimers Lane		Bloor Homes Southern			TP38
Contract Number:	Date Started:	Logged By:	Checked By:	Status:	Sheet 1 of 1
GE22375	06/11/2024	FG	SA	PRELIM	
Trial Pit Log	Easting: 450617.8	Northing: 118595.9	Ground Level: 45.91mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25

Weather: Overcast, dry | Hole Termination: | Stability: Sides stable

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			45.66	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.40	ES1					Firm orange and grey mottled slightly sandy CLAY with occasional rootlets LONDON CLAY		
0.50	D1	PP=1.9kg/cm2		(0.65)				
			45.01	0.90		Stiff orange and grey slightly sandy slightly gravelly CLAY. Sand is fine and gravel is fine to medium sub angular to sub rounded of flint LONDON CLAY		
1.00	D2	PP=1.9kg/cm2		(0.30)				
			44.71	1.20		Stiff orange and grey mottled CLAY LONDON CLAY		
1.50	D3	PP=2.3kg/cm2		(0.60)				
			44.11	1.80		Stiff grey and orange mottled CLAY with occasional flint gravel LONDON CLAY		
2.00	D4	PP=2.4kg/cm2		(0.70)				
2.50	D5	PP=2.5kg/cm2	43.41	2.50		End of Trial Pit at 2.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	2.50m
Final Width:	0.60m
Final Length:	2.10m

Remarks

Water seepage in base of pit

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

Contract Name: Land South of Mortimers Lane			Client: Bloor Homes Southern		Trial Pit ID: TP39
Contract Number: GE22375	Date Started: 04/11/2024	Logged By: FG	Checked By: SA	Status: PRELIM	Sheet 1 of 1
Trial Pit Log	Easting: 450776.0	Northing: 118519.0	Ground Level: 44.46mOD	Plant Used: 7ton	Date Printed: 20/11/2024	Scale: 1:25
Weather: Overcast, dry	Hole Termination:		Stability: Sides stable		

Samples & In Situ Testing			Strata Details				Water	Backfill
Depths	Sample ID	Test Result	Reduced Level	Depth (m) (Thickness)	Legend	Strata Description		
			44.21	0.25		Grass over dark brown slightly sandy silty CLAY with frequent roots and rootlets TOPSOIL		
0.40	ES1					Firm orange and grey mottled slightly sandy CLAY. Sand is fine LONDON CLAY		
0.50	D1	PP=1.7kg/cm2						
				(1.25)				
1.00	D2	PP=1.4kg/cm2						
1.50	D3	PP=2kg/cm2	42.96	1.50		End of Trial Pit at 1.50m		
1.50	ES2							

0.5 1.0 1.5 2.0 2.5 3.0 3.5

Dimensions:

Final Depth:	1.50m
Final Width:	0.60m
Final Length:	1.90m

Remarks

Soakage

Water Strikes (mbgl)		
Depth Strike	Rose to	Time Elapsed (mins)

Photo:



PhotoofPit



PhotoofSpoil

Geo-Environmental

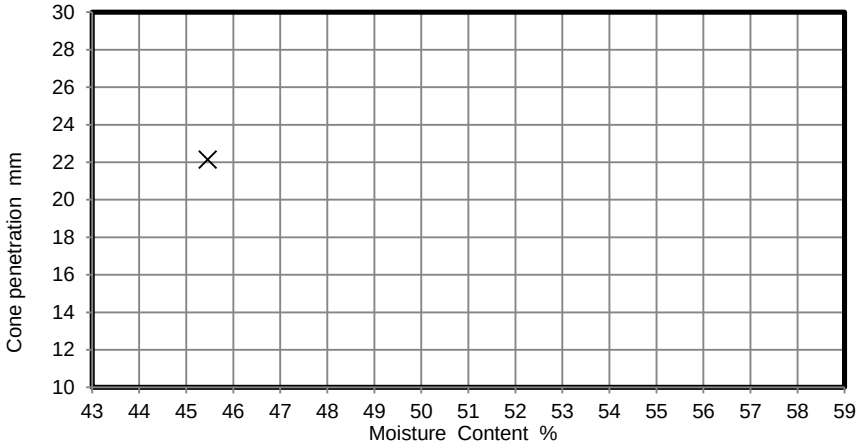
APPENDIX C

Geotechnical Laboratory Results



LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	BH01
Site Name	Land South of Mortimers Lane			Sample No.	4
Project No.	GE22375	Client	GESL	Depth Top m	4.50
Soil Description	Dark grey and occasional brown silty CLAY with rare fine gravel			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	27/11/2024



WATER CONTENT	**24.6**	**%**
% PASSING 425µm SIEVE	**99**	**%**
LIQUID LIMIT	**44**	**%**
PLASTIC LIMIT	**21**	**%**
PLASTICITY INDEX	**23**	**%**

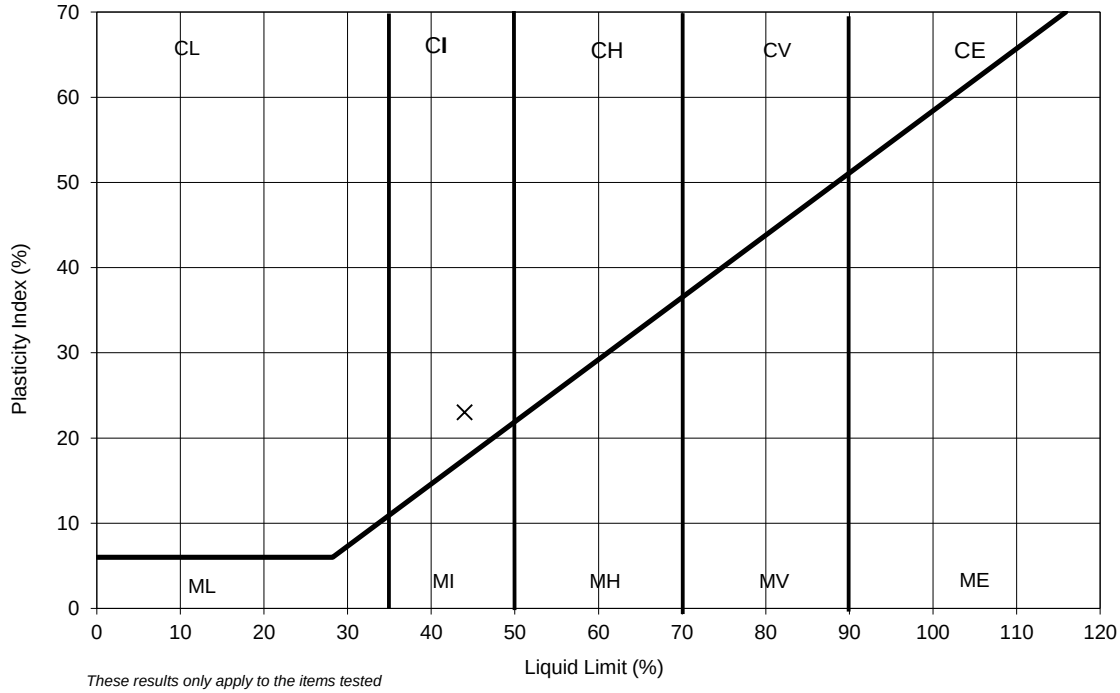
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

NOTE: The report shall not be reproduced except in full without authority of the laboratory

TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

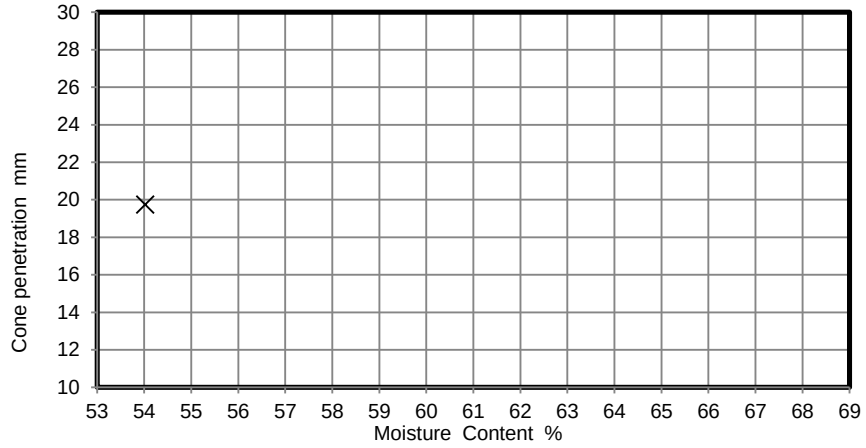
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	BH01
Site Name	Land South of Mortimers Lane			Sample No.	8
Project No.	GE22375	Client	GESL	Depth Top m	8.50
Soil Description	Dark grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	27/11/2024



WATER CONTENT	**24.4**	**%**
% PASSING 425µm SIEVE	**97**	**%**
LIQUID LIMIT	**54**	**%**
PLASTIC LIMIT	**23**	**%**
PLASTICITY INDEX	**31**	**%**

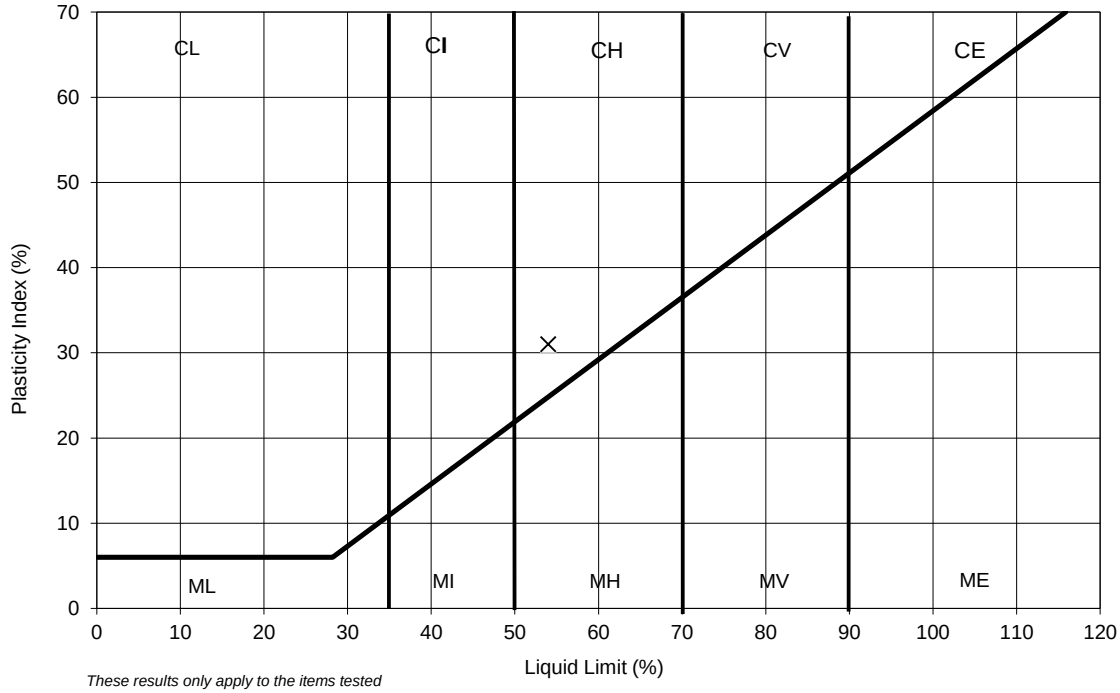
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

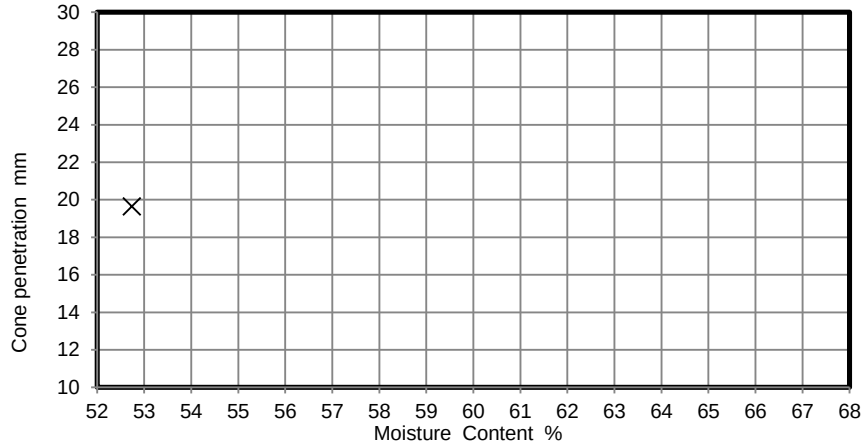
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	BH01
Site Name	Land South of Mortimers Lane			Sample No.	14
Project No.	GE22375	Client	GESL	Depth Top m	14.50
Soil Description	Dark grey silty CLAY			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	27/11/2024



WATER CONTENT	**23.3**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**53**	**%**
PLASTIC LIMIT	**21**	**%**
PLASTICITY INDEX	**32**	**%**

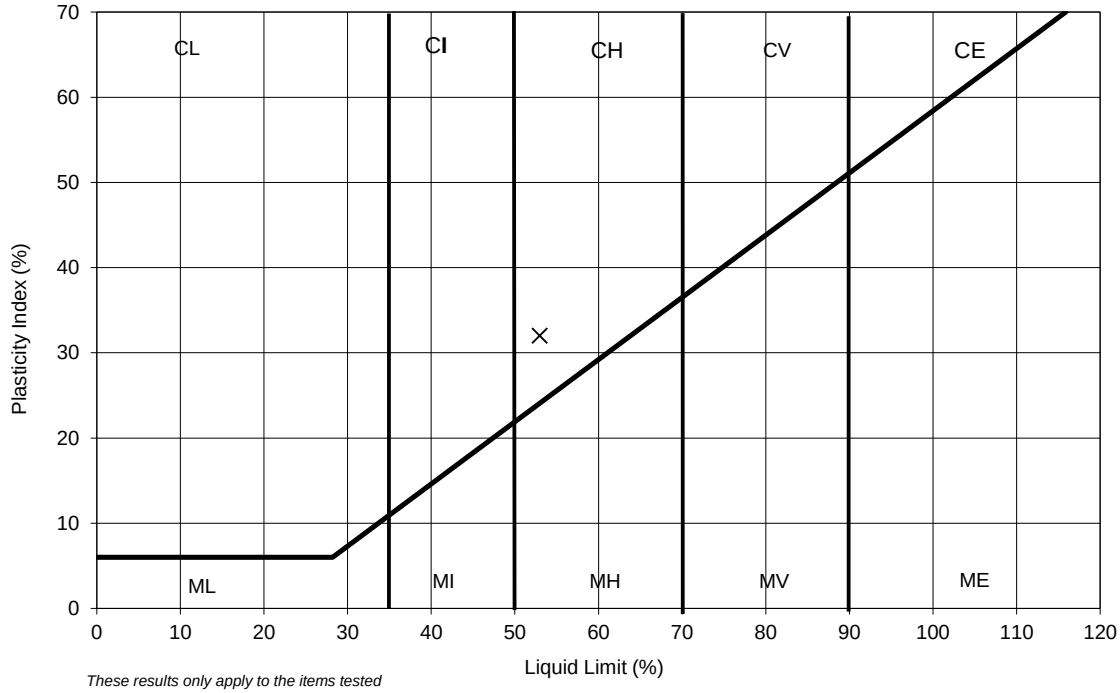
Preparation Method

Tested in natural condition

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

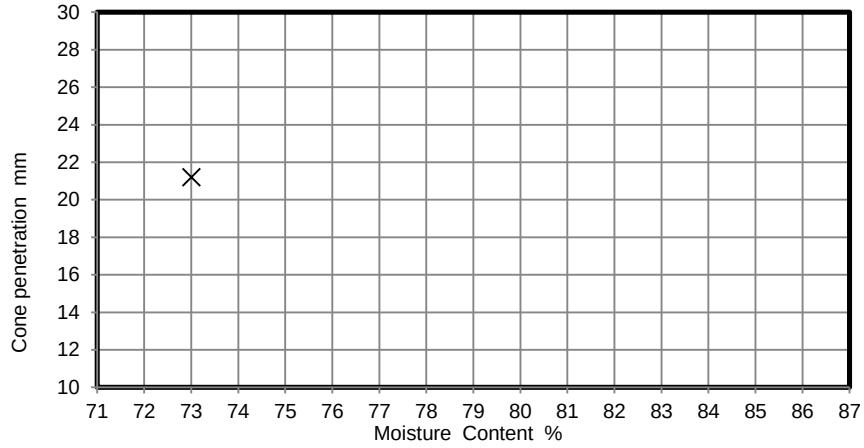
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP01
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top m	0.50
Soil Description	Light orangish brown slightly mottled light bluish grey silty CLAY with rare fine gravel			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	27/11/2024



WATER CONTENT	**30.3**	**%**
% PASSING 425µm SIEVE	**99**	**%**
LIQUID LIMIT	**72**	**%**
PLASTIC LIMIT	**27**	**%**
PLASTICITY INDEX	**45**	**%**

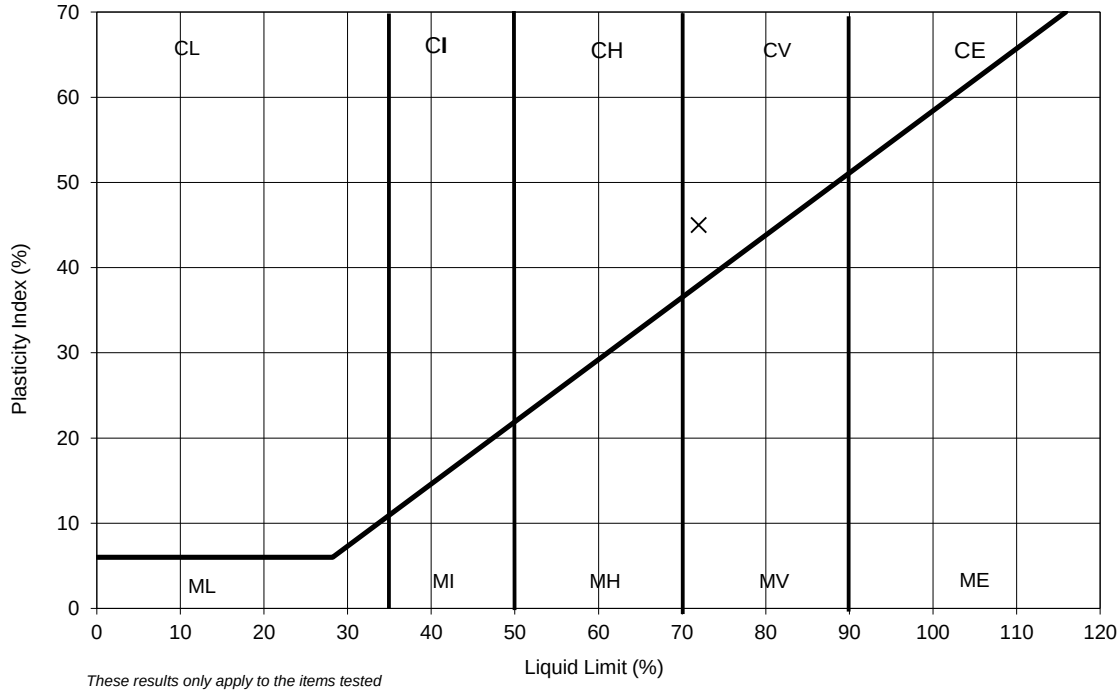
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

NOTE: The report shall not be reproduced except in full without authority of the laboratory

TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

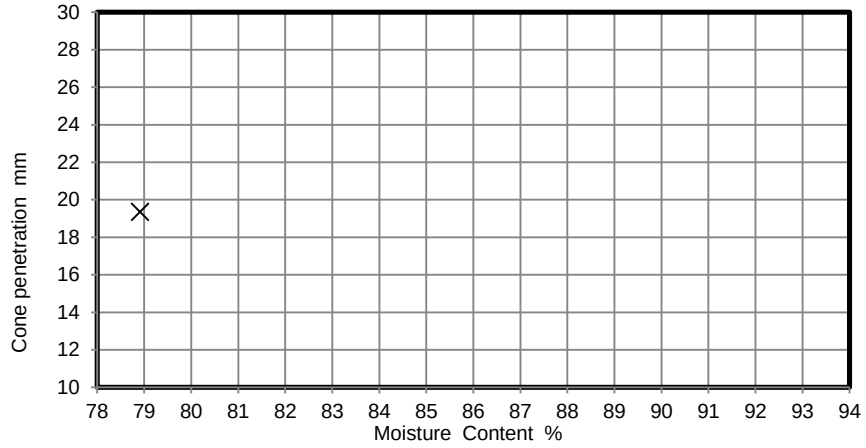
UKAS TESTING

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP03
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top m	1.00
Soil Description	Light orangish brown slightly mottled light bluish grey silty CLAY			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	27/11/2024



WATER CONTENT	**35.7**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**80**	**%**
PLASTIC LIMIT	**27**	**%**
PLASTICITY INDEX	**53**	**%**

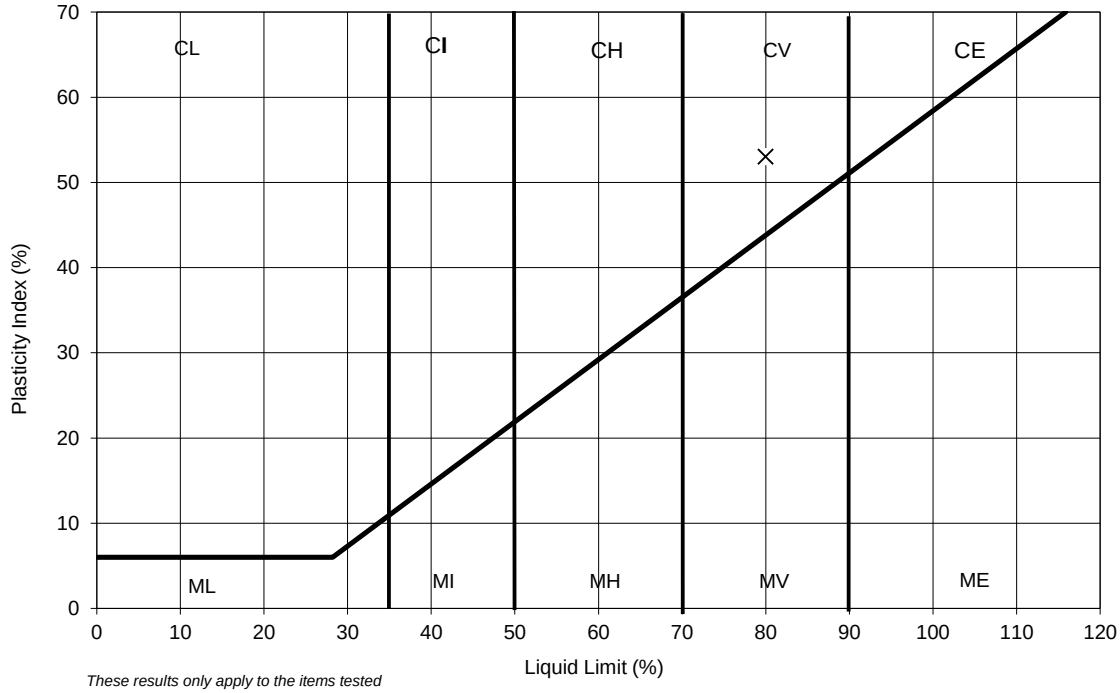
Preparation Method

Tested in natural condition

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

NOTE: The report shall not be reproduced except in full without authority of the laboratory

TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

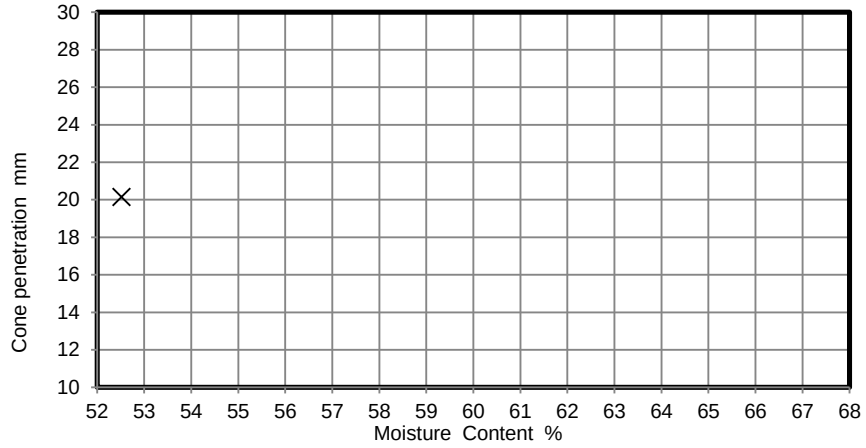
Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

2519

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

	LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX			Job No.	36332
				Borehole/Pit No.	TP09
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top m	0.50
Soil Description	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**25.2**	**%**
% PASSING 425µm SIEVE	**95**	**%**
LIQUID LIMIT	**52**	**%**
PLASTIC LIMIT	**22**	**%**
PLASTICITY INDEX	**30**	**%**

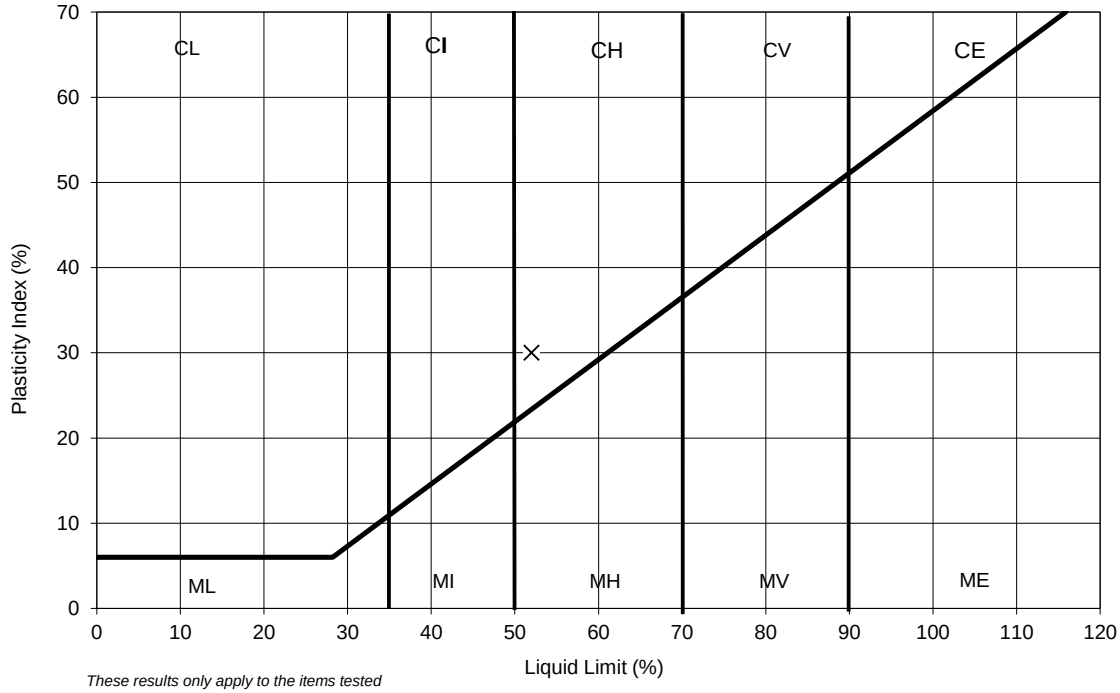
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

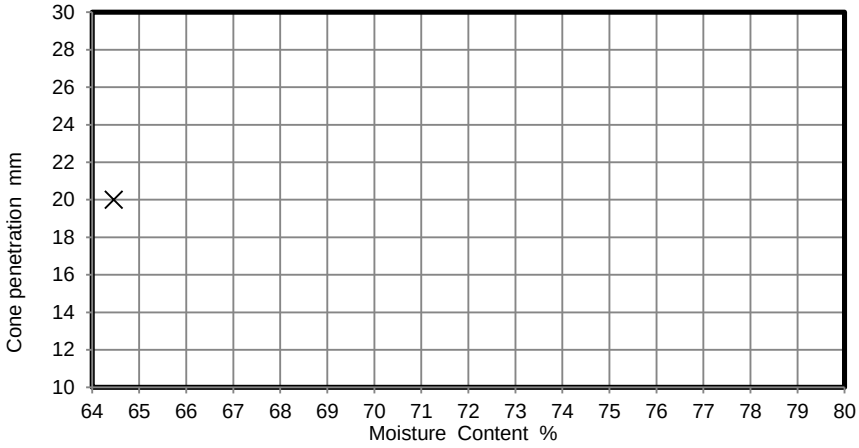
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP11
Site Name	Land South of Mortimers Lane			Sample No.	3
Project No.	GE22375	Client	GESL	Depth Top m	1.50
Soil Description	Orangish brown slightly mottled bluish grey silty CLAY			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**29.1**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**64**	**%**
PLASTIC LIMIT	**25**	**%**
PLASTICITY INDEX	**39**	**%**

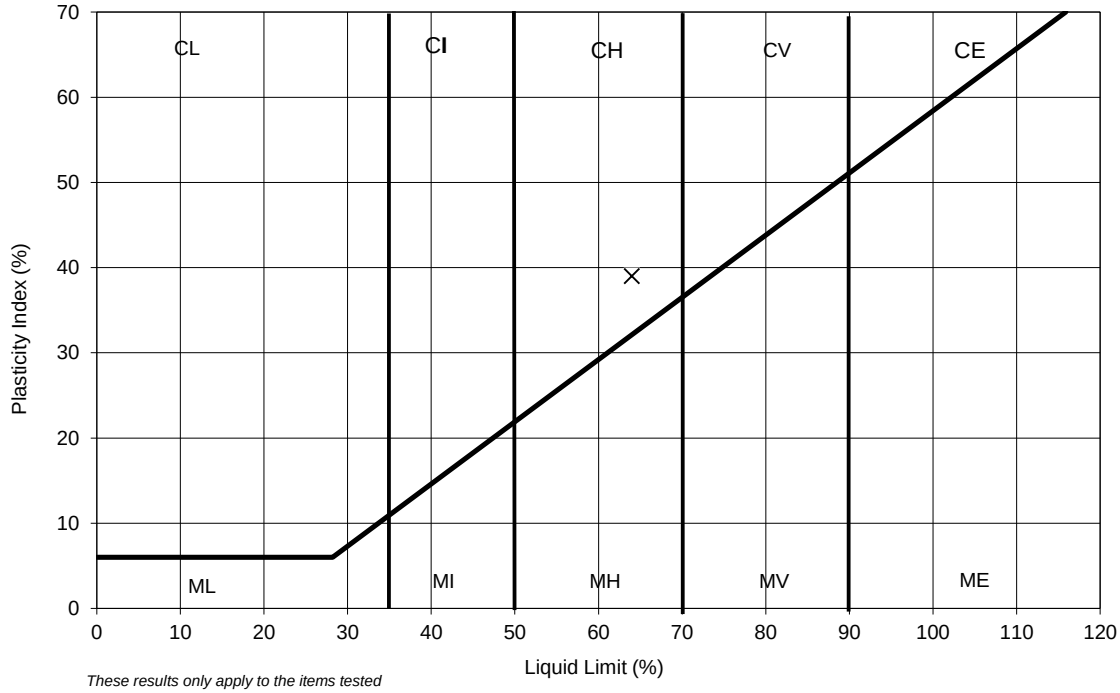
Preparation Method

Tested in natural condition

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

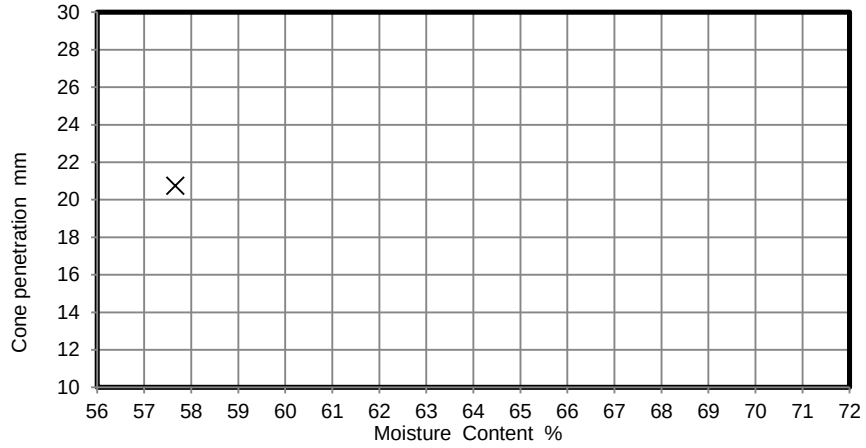
UKAS TESTING

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP17
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top m	1.00
Soil Description	Orangish brown slightly mottled bluish grey silty CLAY			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**33.4**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**57**	**%**
PLASTIC LIMIT	**26**	**%**
PLASTICITY INDEX	**31**	**%**

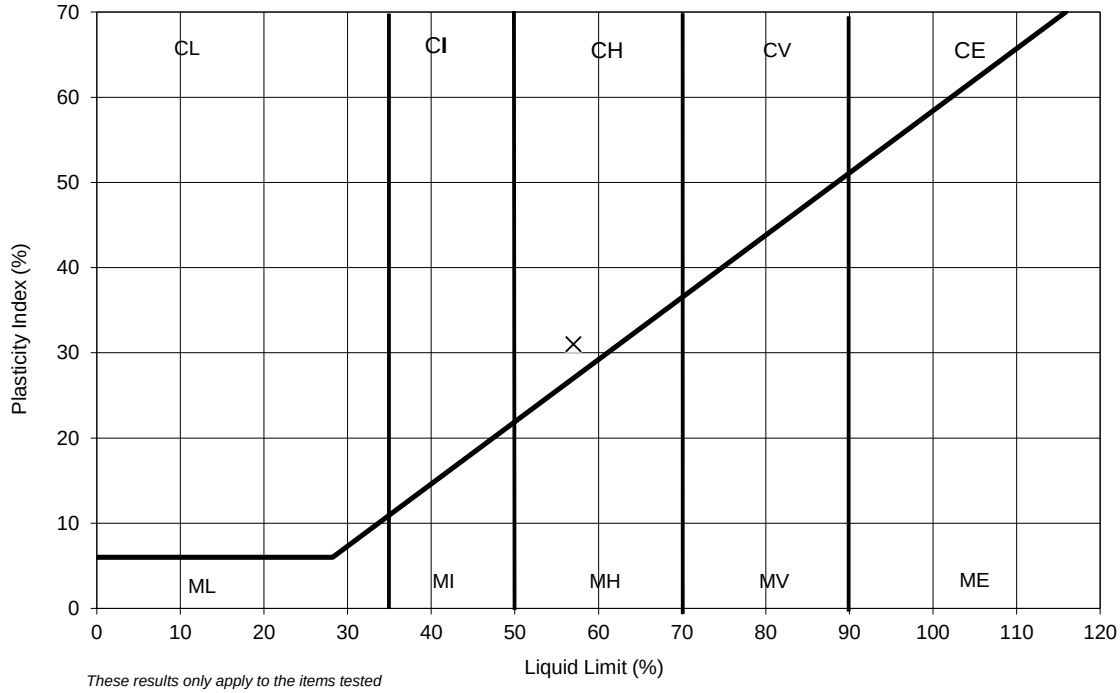
Preparation Method

Tested in natural condition

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

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

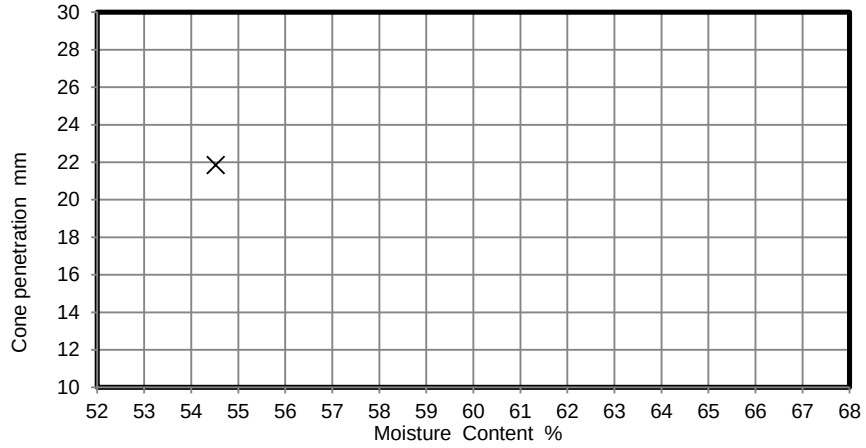
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP24
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top m	0.50
Soil Description	Grey slightly mottled orangish brown silty CLAY			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**24.8**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**53**	**%**
PLASTIC LIMIT	**21**	**%**
PLASTICITY INDEX	**32**	**%**

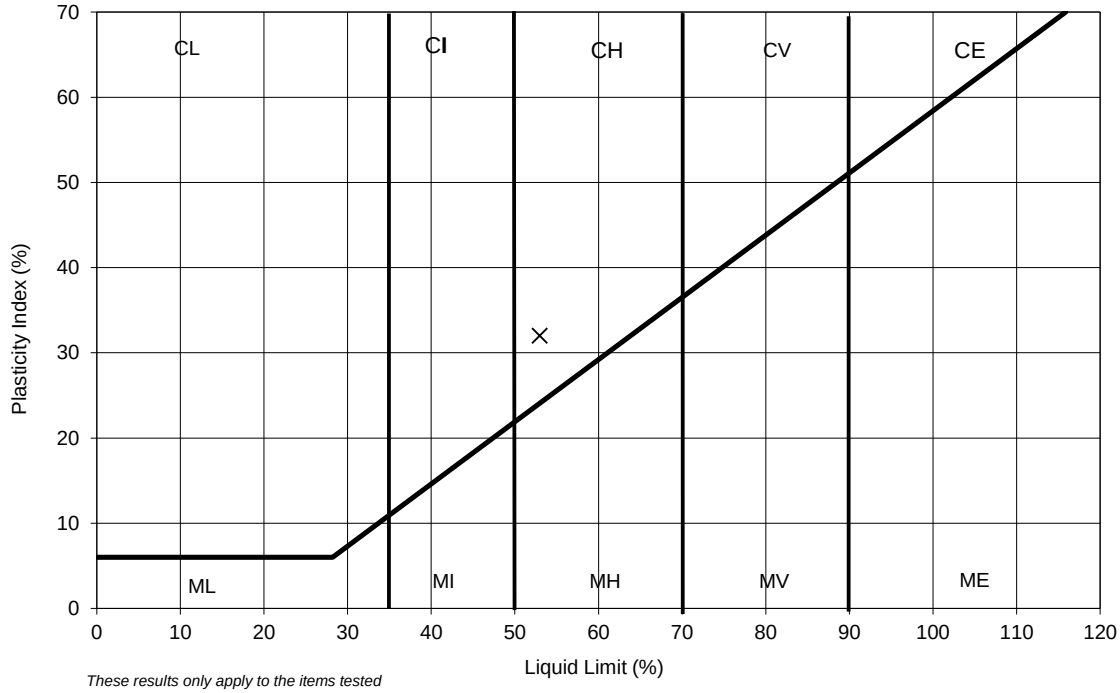
Preparation Method

Tested in natural condition

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

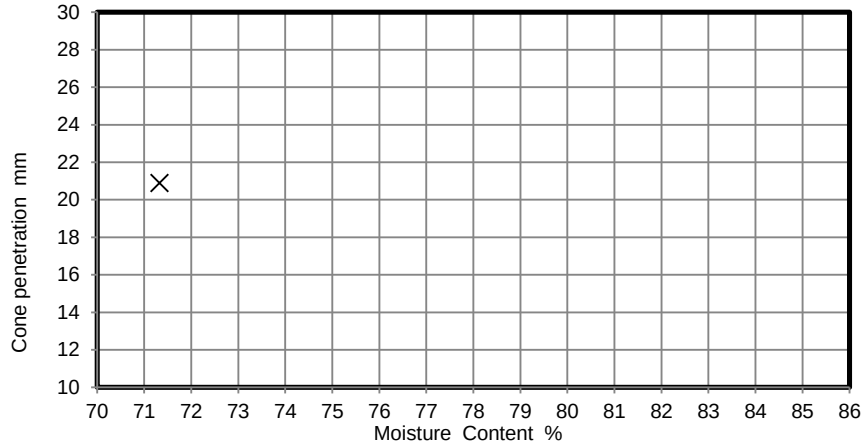
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP28
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top m	1.00
Soil Description	Light reddish brown slightly mottled grey silty CLAY with rare fine gravel			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**29.8**	**%**
% PASSING 425µm SIEVE	**99**	**%**
LIQUID LIMIT	**70**	**%**
PLASTIC LIMIT	**28**	**%**
PLASTICITY INDEX	**42**	**%**

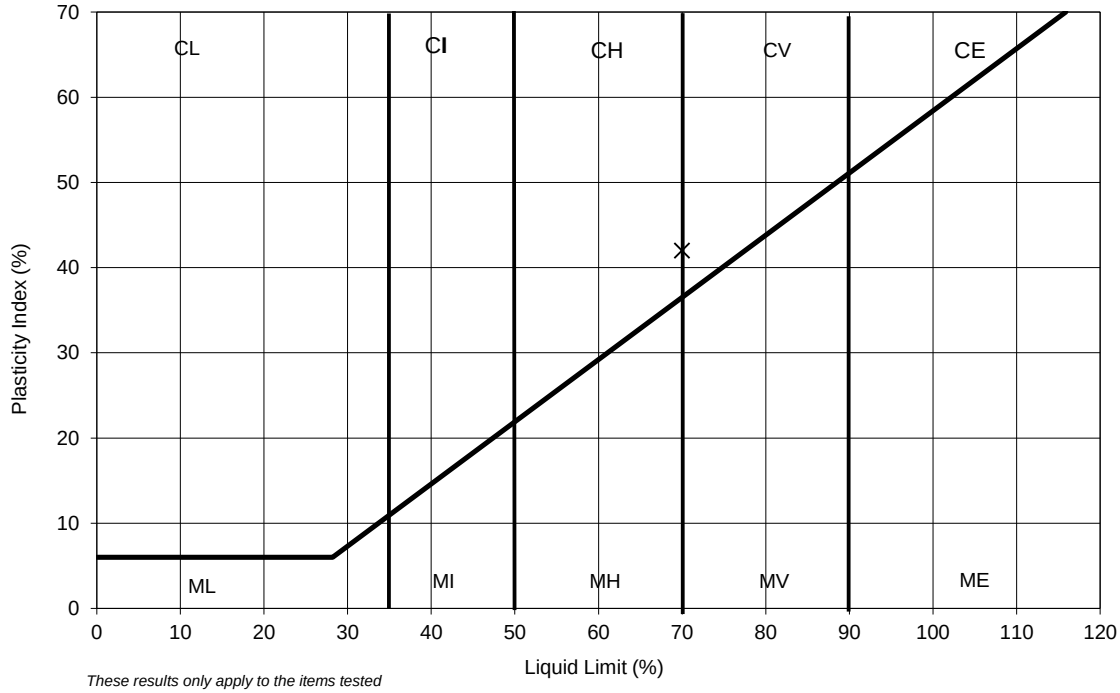
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

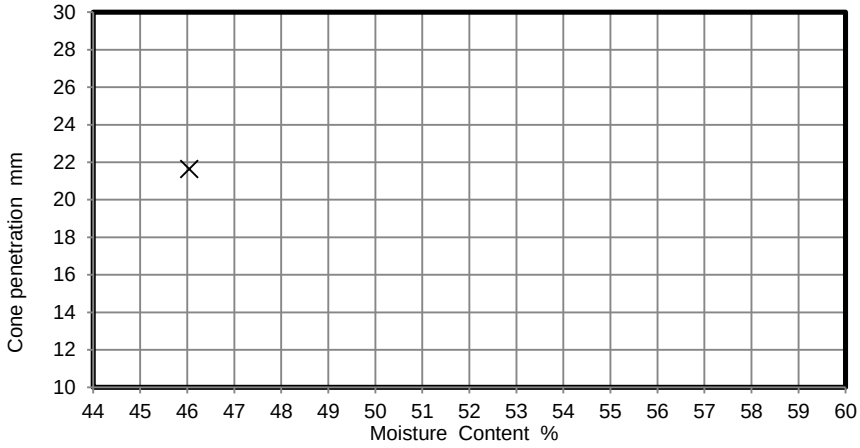
UKAS TESTING

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP31
Site Name	Land South of Mortimers Lane			Sample No.	3
Project No.	GE22375	Client	GESL	Depth Top m	1.50
Soil Description	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**23.2**	**%**
% PASSING 425µm SIEVE	**85**	**%**
LIQUID LIMIT	**45**	**%**
PLASTIC LIMIT	**19**	**%**
PLASTICITY INDEX	**26**	**%**

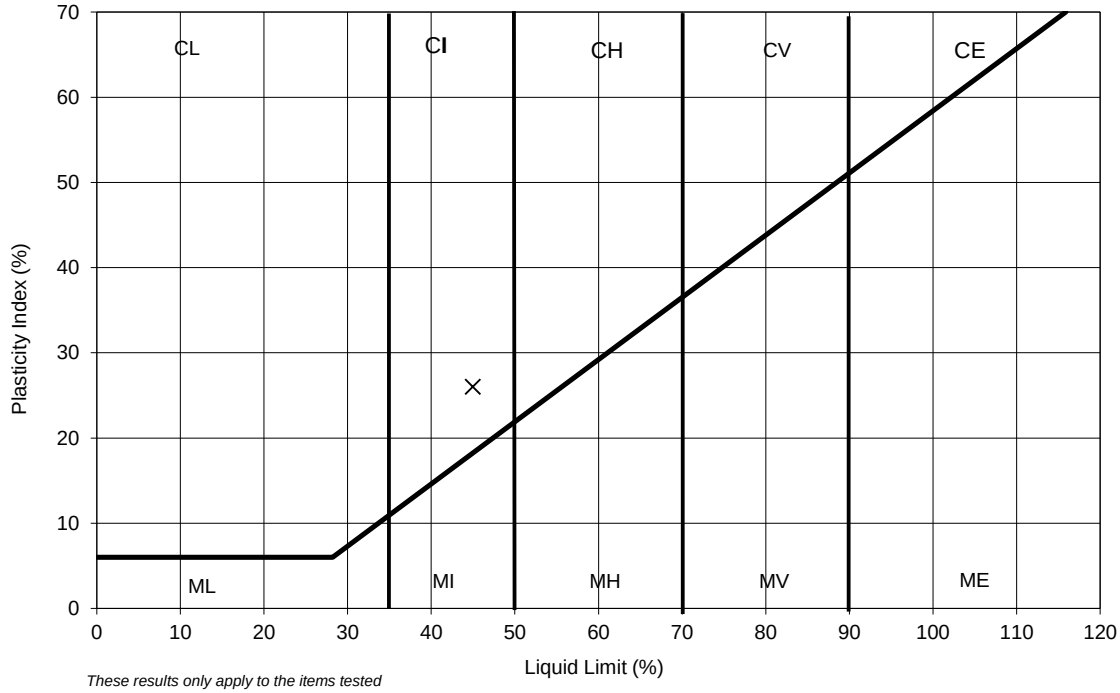
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

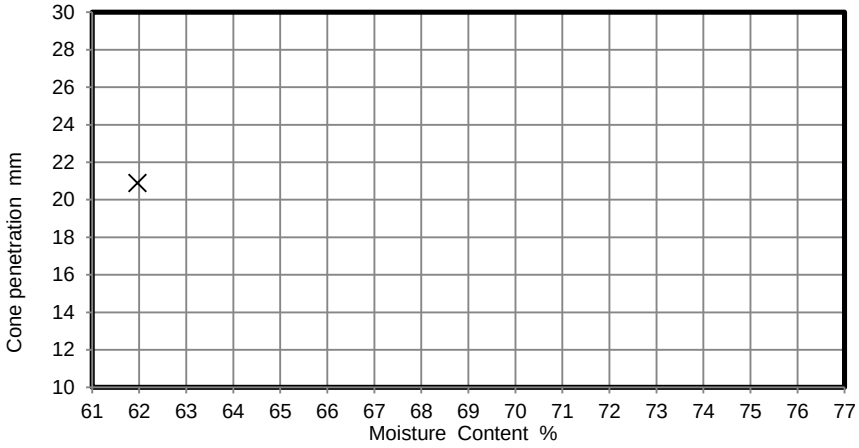
UKAS TESTING

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP32
Site Name	Land South of Mortimers Lane			Sample No.	4
Project No.	GE22375	Client	GESL	Depth Top m	2.00
Soil Description	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**33.3**	**%**
% PASSING 425µm SIEVE	**95**	**%**
LIQUID LIMIT	**61**	**%**
PLASTIC LIMIT	**24**	**%**
PLASTICITY INDEX	**37**	**%**

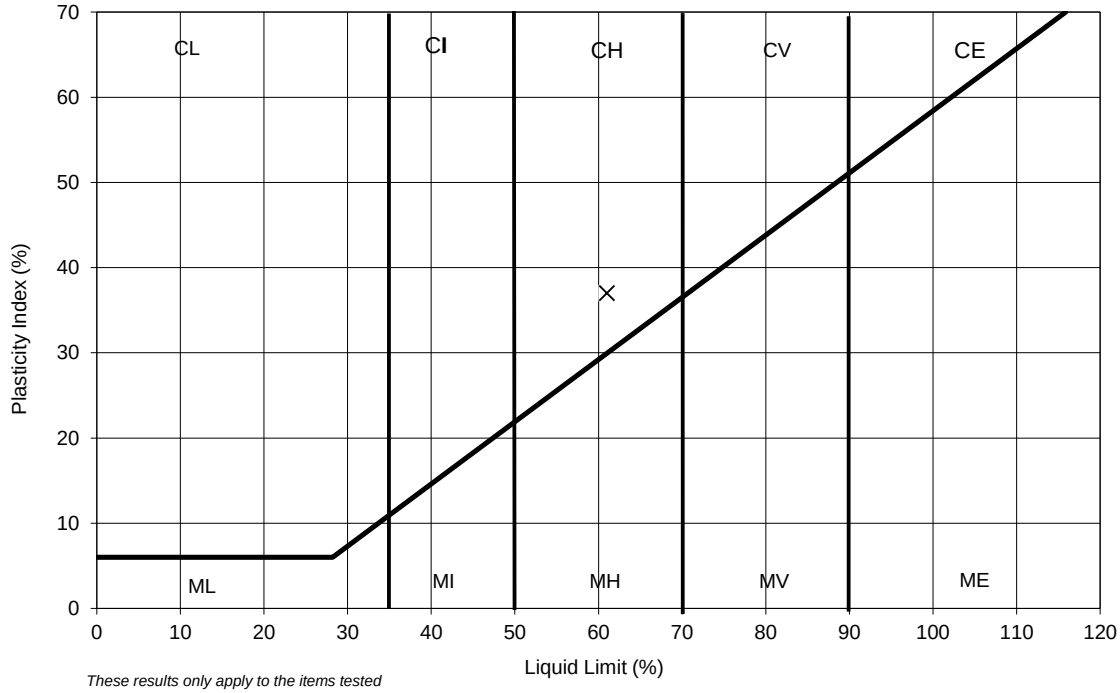
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

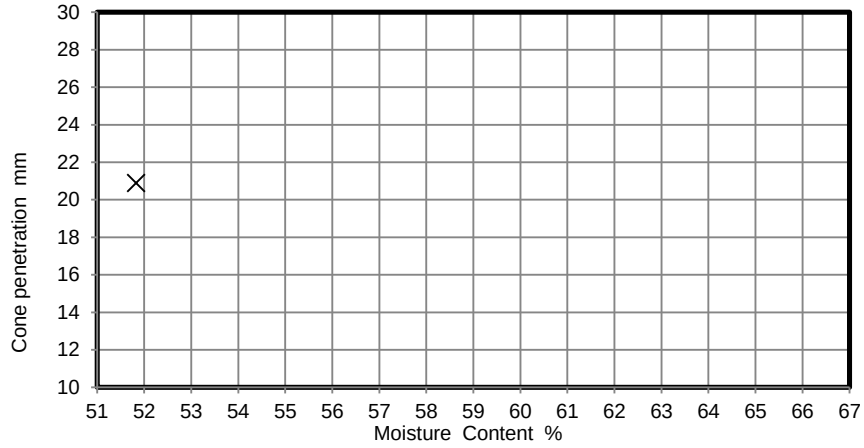
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP35
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top m	0.50
Soil Description	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**28.3**	**%**
% PASSING 425µm SIEVE	**95**	**%**
LIQUID LIMIT	**51**	**%**
PLASTIC LIMIT	**23**	**%**
PLASTICITY INDEX	**28**	**%**

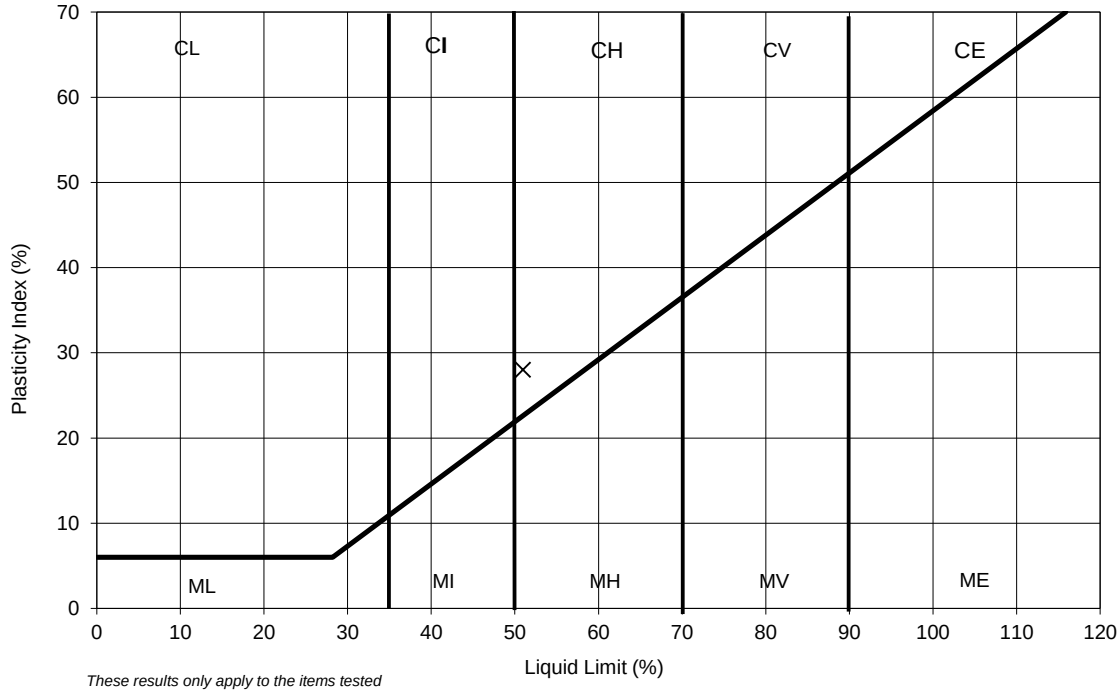
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

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

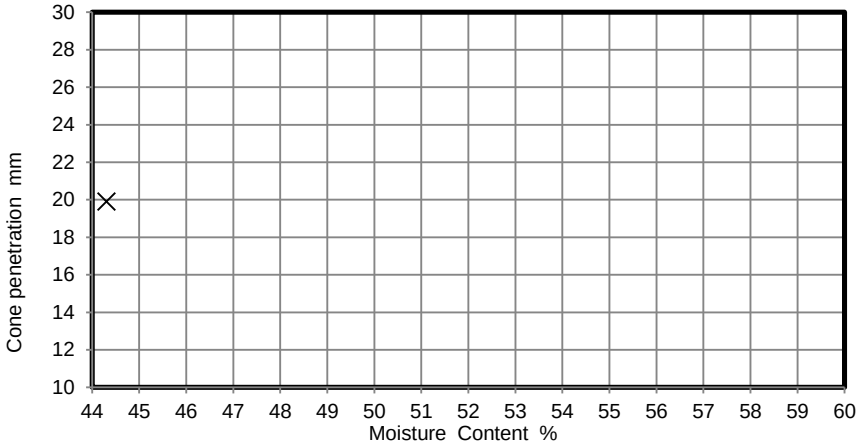
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP36
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top m	1.00
Soil Description	Orangish brown slightly mottled grey silty CLAY			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**28.0**	**%**
% PASSING 425µm SIEVE	**100**	**%**
LIQUID LIMIT	**44**	**%**
PLASTIC LIMIT	**21**	**%**
PLASTICITY INDEX	**23**	**%**

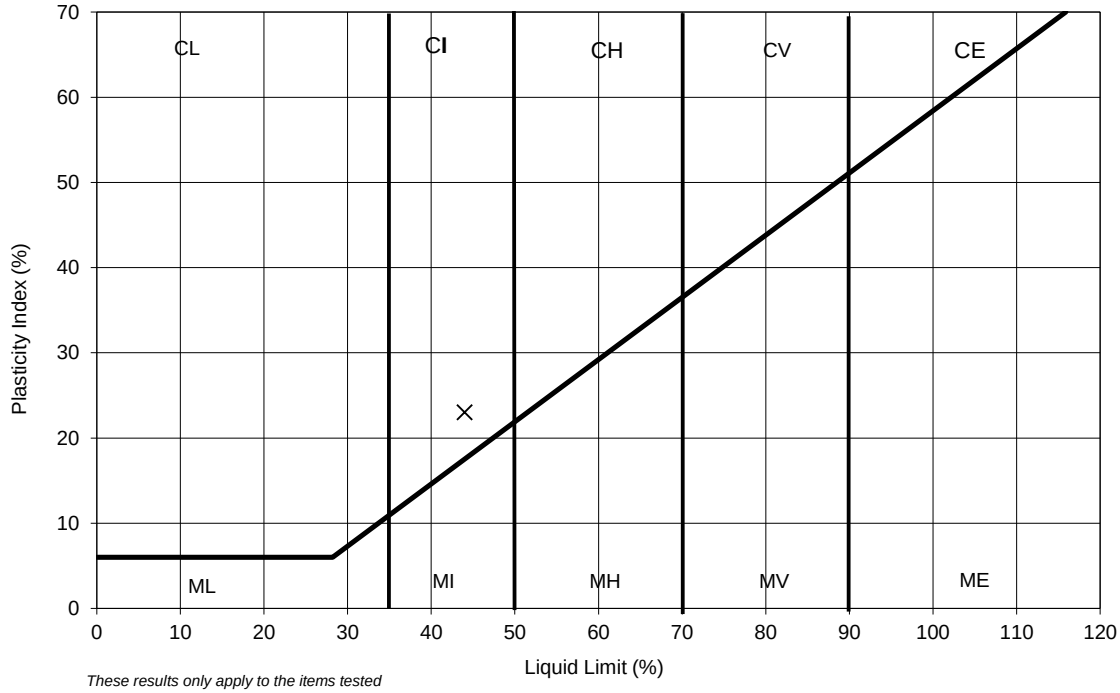
Preparation Method

Tested in natural condition

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



These results only apply to the items tested

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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

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

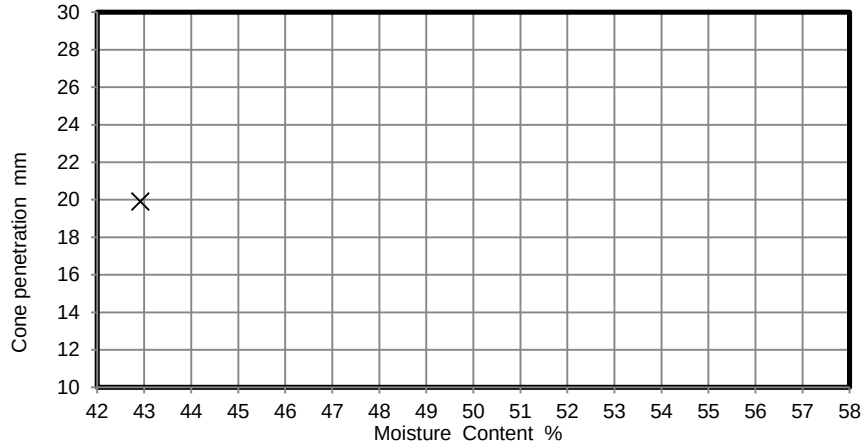
UKAS TESTING

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP37
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top m	1.00
Soil Description	Orangish brown slightly mottled grey silty CLAY with occasional carbonaceous deposits and rare fine gravel			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**23.3**	**%**
% PASSING 425µm SIEVE	**99**	**%**
LIQUID LIMIT	**43**	**%**
PLASTIC LIMIT	**19**	**%**
PLASTICITY INDEX	**24**	**%**

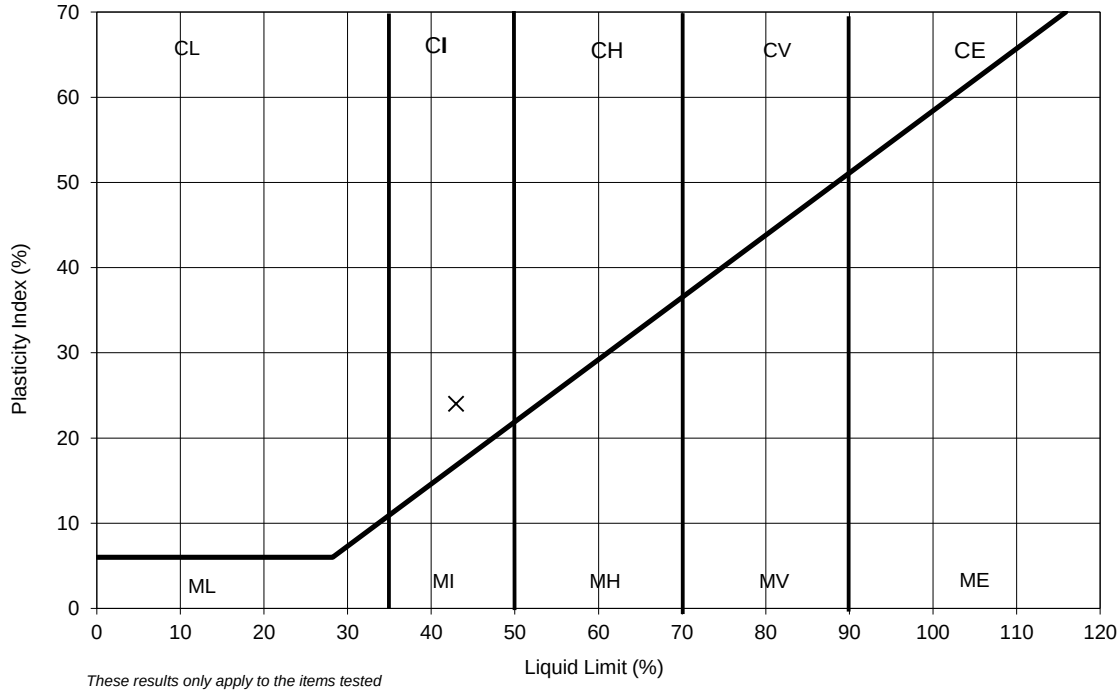
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

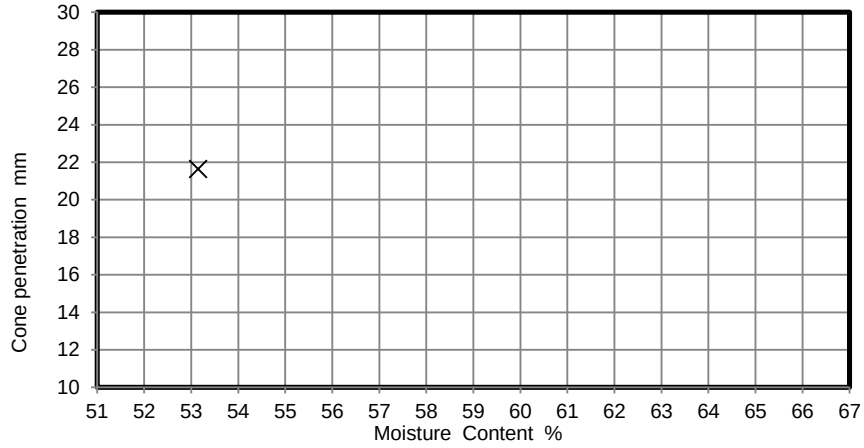
Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

2519

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

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX

				Job No.	36332
				Borehole/Pit No.	TP38
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top m	0.50
Soil Description	Orangish brown slightly mottled light grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)			Depth Base m	-
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
				Project Started	18/11/2024
				Date Tested	28/11/2024



WATER CONTENT	**24.5**	**%**
% PASSING 425µm SIEVE	**96**	**%**
LIQUID LIMIT	**52**	**%**
PLASTIC LIMIT	**20**	**%**
PLASTICITY INDEX	**32**	**%**

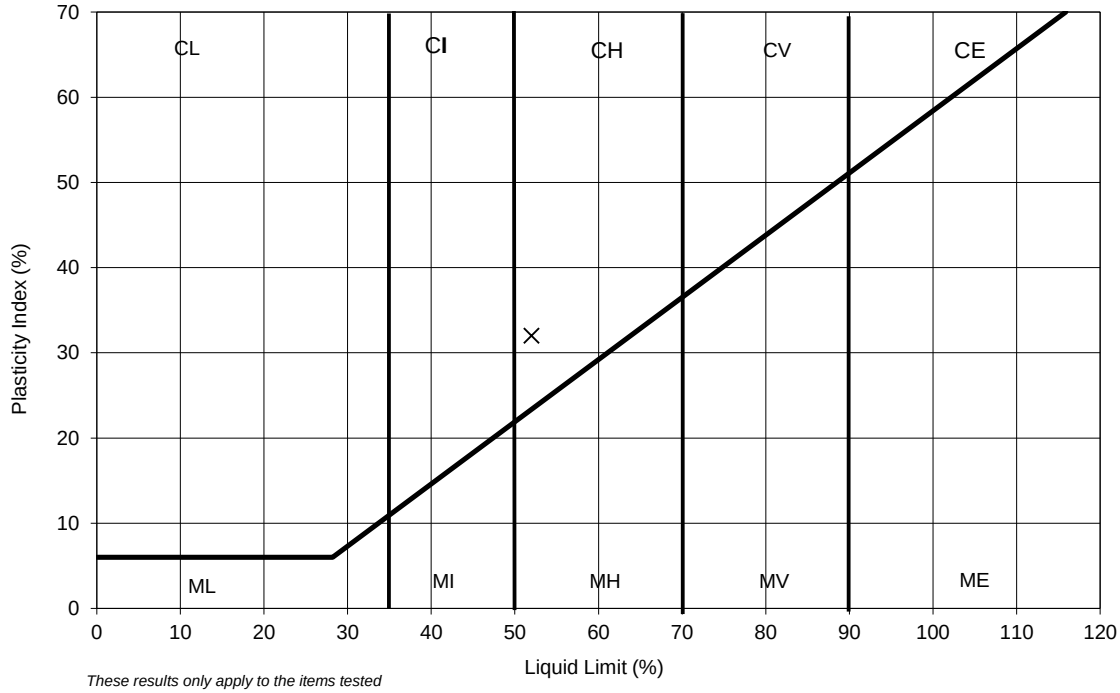
Preparation Method

Tested after >425um removed by hand

Remarks

Factors corresponding to the cone penetration and moisture content range in Table 1 (BS1377:1990 ; Part 2)

PLASTICITY INDEX



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TEST METHOD

BS EN ISO17892: Part 1:2014+A1:2022 Water Content
BS EN ISO 17892: Part 12:2018+A2:2022 Liquid Limit & Plastic Limit

Checked and Approved

Initials: J.P
Date: 04/12/2024

Test Report by K4 SOILS LABORATORY Unit 8 Olds Close Olds Approach Watford Herts WD18 9RU
Tel: 01923 711 288 Email: James@k4soils.com

UKAS TESTING

2519

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

Summary of Water Content, Liquid Limit (1 point) and Plastic Limit Results

Job No.	Project Name	Programme	
36332	Land South of Mortimers Lane	Samples received	11/11/2024
		Schedule received	15/11/2024
Project No.	Client	Project started	18/11/2024
GE22375	GESL	Testing Started	27/11/2024

Hole No.	Sample				Soil Description	Water content	Passing 425µm	Preparation	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type		%	%		%	%	%	
BH01	4	4.50	-	D	Dark grey and occasional brown silty CLAY with rare fine gravel	24.6	99	Tested after >425um removed by hand	44	21	23	
BH01	8	8.50	-	D	Dark grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	24.4	97	Tested after >425um removed by hand	54	23	31	
BH01	14	14.50	-	D	Dark grey silty CLAY	23.3	100	Tested in natural condition	53	21	32	
TP01	1	0.50	-	D	Light orangish brown slightly mottled light bluish grey silty CLAY with rare fine gravel	30.3	99	Tested after >425um removed by hand	72	27	45	
TP03	2	1.00	-	D	Light orangish brown slightly mottled light bluish grey silty CLAY	35.7	100	Tested in natural condition	80	27	53	
TP09	1	0.50	-	D	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	25.2	95	Tested after >425um removed by hand	52	22	30	
TP11	3	1.50	-	D	Orangish brown slightly mottled bluish grey silty CLAY	29.1	100	Tested in natural condition	64	25	39	
TP17	2	1.00	-	D	Orangish brown slightly mottled bluish grey silty CLAY	33.4	100	Tested in natural condition	57	26	31	
TP24	1	0.50	-	D	Grey slightly mottled orangish brown silty CLAY	24.8	100	Tested in natural condition	53	21	32	
TP28	2	1.00	-	D	Light reddish brown slightly mottled grey silty CLAY with rare fine gravel	29.8	99	Tested after >425um removed by hand	70	28	42	
TP31	3	1.50	-	D	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	23.2	85	Tested after >425um removed by hand	45	19	26	
TP32	4	2.00	-	D	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	33.3	95	Tested after >425um removed by hand	61	24	37	

80g/300 cone used unless otherwise stated, Corretation factor for 1 point method carried out using Table 1 (BS1377: 1990, Part 2)

Test Methods: BS EN ISO 17892
Part 1: 2014+A1:2022 Water content
Part 12: 2018 +A2:2022 Liquid & plastic limit

These results only apply to the items tested
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Test Report by K4 SOILS LABORATORY
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Initials **J.P**
Date: 04/12/2024

2519 Approved Signatories: K.Phaure (Tech.Mgr) J.Phaure (Lab.Mgr)

Summary of Water Content, Liquid Limit (1 point) and Plastic Limit Results

Job No.	Project Name	Programme	
36332	Land South of Mortimers Lane	Samples received	11/11/2024
		Schedule received	15/11/2024
Project No.	Client	Project started	18/11/2024
GE22375	GESL	Testing Started	27/11/2024

Hole No.	Sample				Soil Description	Water content	Passing 425µm	Preparation	LL	PL	PI	Remarks
	Ref	Top m	Base m	Type		%	%		%	%	%	
TP35	1	0.50	-	D	Orangish brown slightly mottled grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	28.3	95	Tested after >425um removed by hand	51	23	28	
TP36	2	1.00	-	D	Orangish brown slightly mottled grey silty CLAY	28.0	100	Tested in natural condition	44	21	23	
TP37	2	1.00	-	D	Orangish brown slightly mottled grey silty CLAY with occasional carbonaceous deposits and rare fine gravel	23.3	99	Tested after >425um removed by hand	43	19	24	
TP38	1	0.50	-	D	Orangish brown slightly mottled light grey slightly gravelly silty CLAY (gravel is fm and sub-angular to rounded)	24.5	96	Tested after >425um removed by hand	52	20	32	

80g/300 cone used unless otherwise stated, Corretation factor for 1 point method carried out using Table 1 (BS1377: 1990, Part 2)

Test Methods: BS EN ISO 17892
Part 1: 2014+A1:2022 Water content
Part 12: 2018 +A2:2022 Liquid & plastic limit

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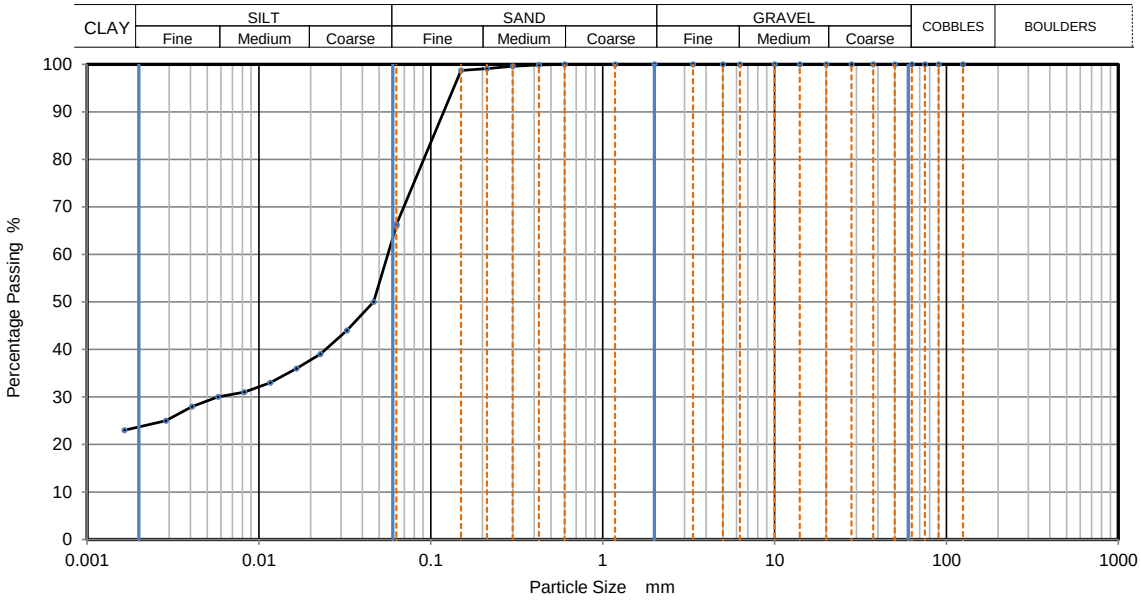
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PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP04
Site Name	Land South of Mortimers Lane			Sample No.	3
Project No.	GE22375	Client	GESL	Depth Top	1.50 m
Soil Description	Orangish brown and bluish grey slightly fine sandy silty CLAY			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	25/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	66
90	100	0.0465	50
75	100	0.0325	44
63	100	0.0228	39
50	100	0.0165	36
37.5	100	0.0116	33
28	100	0.0082	31
20	100	0.0058	30
14	100	0.0041	28
10	100	0.0029	25
6.3	100	0.0016	23
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100	Particle density (assumed)	
0.425	100	2.70 Mg/m3	
0.3	100		
0.212	99		
0.15	99		
0.063	66		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	34
Silt	42
Clay	24

Grading Analysis		
D100	mm	
D60	mm	0.0559
D30	mm	0.00583
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

Preparation and testing in accordance with ISO17892 Part 4 unless noted below

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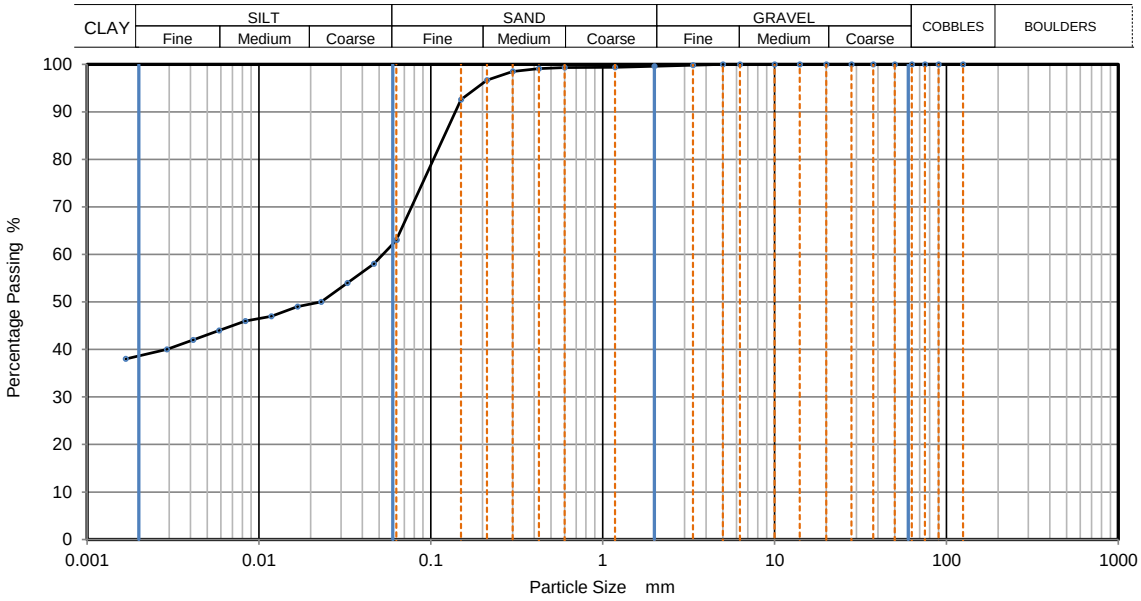
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MSF-5-R3

PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP15
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top	1.00 m
Soil Description	Orangish brown and bluish grey sandy silty CLAY			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0630	63
90	100	0.0466	58
75	100	0.0327	54
63	100	0.0230	50
50	100	0.0167	49
37.5	100	0.0118	47
28	100	0.0083	46
20	100	0.0059	44
14	100	0.0041	42
10	100	0.0029	40
6.3	100	0.0017	38
5	100		
3.35	100		
2	100		
1.18	99		
0.6	99	Particle density (assumed)	
0.425	99	2.70	Mg/m3
0.3	99		
0.212	97		
0.15	93		
0.063	63		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	37
Silt	24
Clay	39

Grading Analysis		
D100	mm	
D60	mm	0.0518
D30	mm	
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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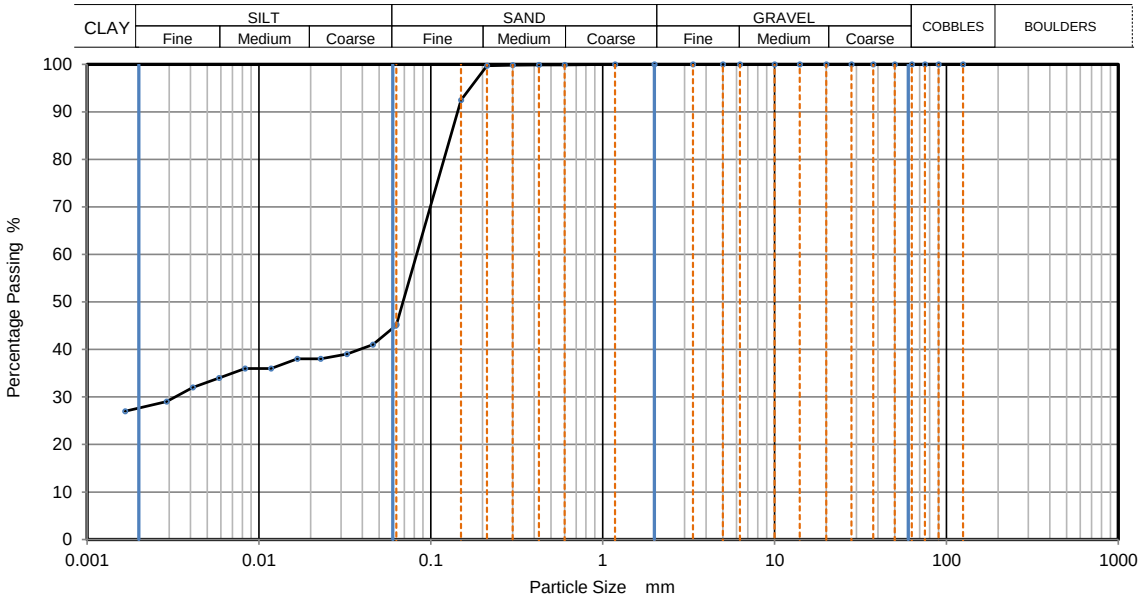
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MSF-5-R3

PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP19
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top	0.50 m
Soil Description	Orangish brown and bluish grey sandy silty CLAY			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0624	45
90	100	0.0460	41
75	100	0.0324	39
63	100	0.0229	38
50	100	0.0167	38
37.5	100	0.0118	36
28	100	0.0083	36
20	100	0.0059	34
14	100	0.0041	32
10	100	0.0029	29
6.3	100	0.0017	27
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100	Particle density (assumed)	
0.425	100	2.70 Mg/m3	
0.3	100		
0.212	100		
0.15	93		
0.063	45		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	55
Silt	17
Clay	28

Grading Analysis		
D100	mm	
D60	mm	0.0826
D30	mm	0.00313
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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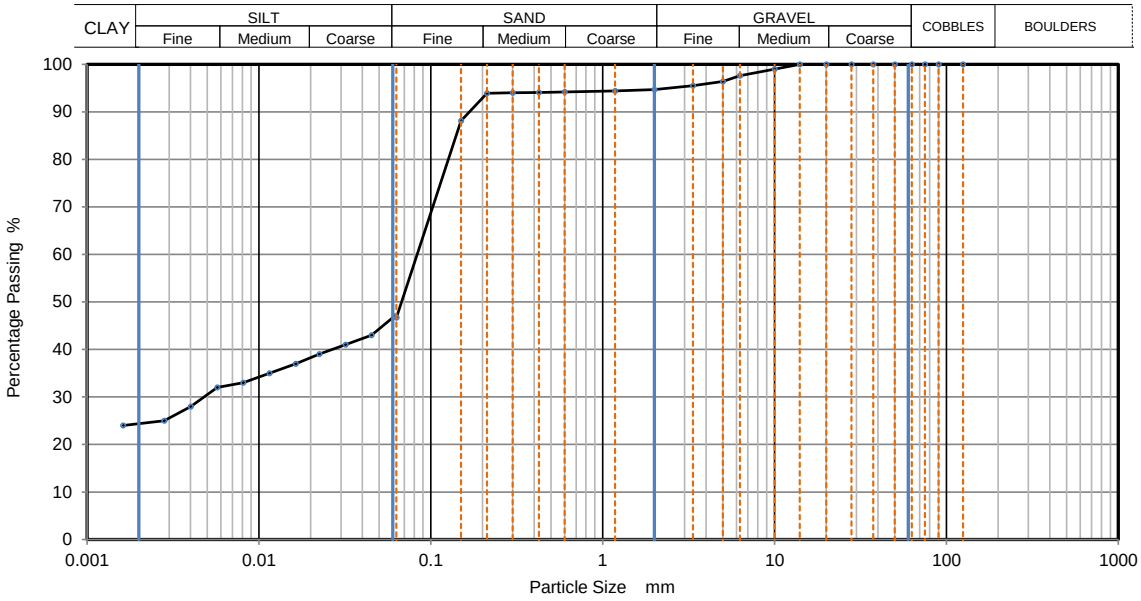
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PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP24
Site Name	Land South of Mortimers Lane			Sample No.	4
Project No.	GE22375	Client	GESL	Depth Top	2.00 m
Soil Description	Orangish brown slightly mottled light grey slightly gravelly sandy silty CLAY (gravel is fm and sub-rounded sandstone fragments)			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0613	47
90	100	0.0452	43
75	100	0.0319	41
63	100	0.0224	39
50	100	0.0163	37
37.5	100	0.0115	35
28	100	0.0081	33
20	100	0.0057	32
14	100	0.0040	28
10	99	0.0028	25
6.3	98	0.0016	24
5	96		
3.35	96		
2	95		
1.18	94		
0.6	94	Particle density (assumed)	
0.425	94	2.70	Mg/m3
0.3	94		
0.212	94		
0.15	88		
0.063	47		

Sample Proportions	% dry mass
Very coarse	0
Gravel	5
Sand	48
Silt	23
Clay	24

Grading Analysis		
D100	mm	
D60	mm	0.0832
D30	mm	0.00496
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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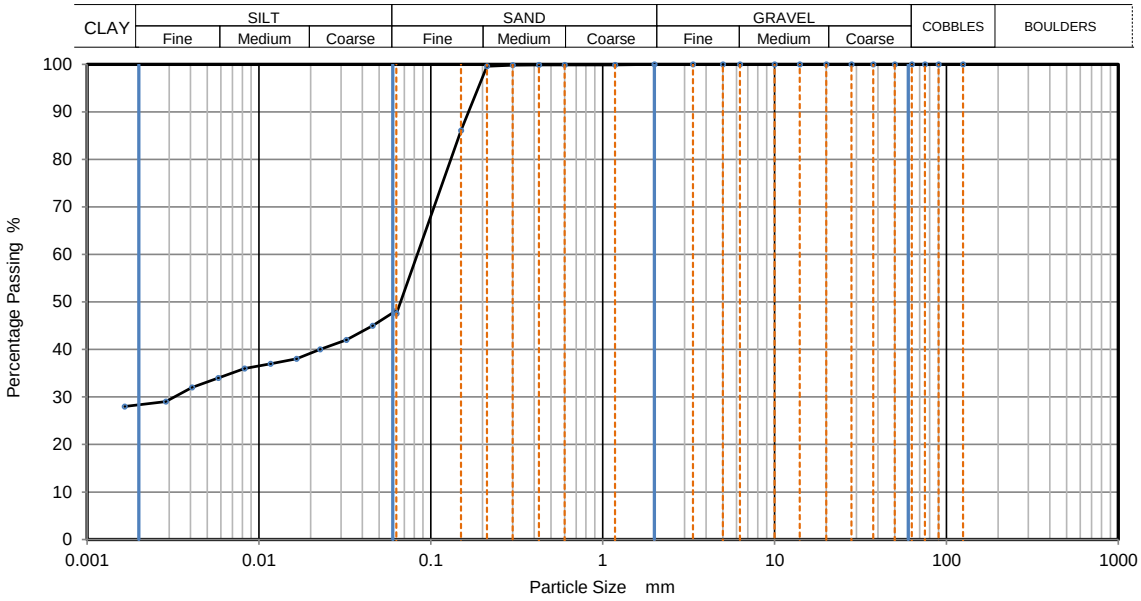
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PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP25
Site Name	Land South of Mortimers Lane			Sample No.	2
Project No.	GE22375	Client	GESL	Depth Top	1.00 m
Soil Description	Orangish brown slightly mottled bluish grey fine sandy silty CLAY			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0619	48
90	100	0.0459	45
75	100	0.0322	42
63	100	0.0227	40
50	100	0.0165	38
37.5	100	0.0117	37
28	100	0.0082	36
20	100	0.0058	34
14	100	0.0041	32
10	100	0.0029	29
6.3	100	0.0017	28
5	100		
3.35	100		
2	100		
1.18	100		
0.6	100	Particle density (assumed)	
0.425	100	2.70 Mg/m3	
0.3	100		
0.212	100		
0.15	86		
0.063	48		

Sample Proportions	% dry mass
Very coarse	0
Gravel	0
Sand	52
Silt	20
Clay	28

Grading Analysis		
D100	mm	
D60	mm	0.0834
D30	mm	0.00327
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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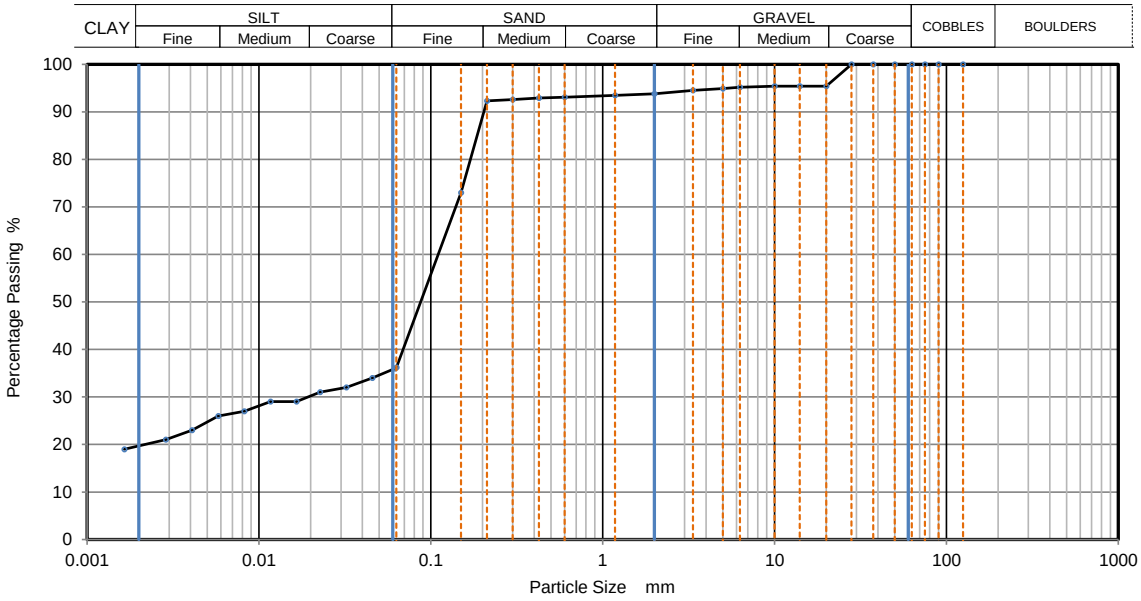
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PARTICLE SIZE DISTRIBUTION

Site Name	Land South of Mortimers Lane			Job Ref	36332
				Borehole/Pit No.	TP28
Project No.	GE22375	Client	GESL	Sample No.	5
Soil Description	Orangish brown and light grey slightly gravelly fine sandy silty CLAY (gravel is fmc and sub-rounded)			Depth Top	2.50 m
				Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0618	36
90	100	0.0457	34
75	100	0.0322	32
63	100	0.0227	31
50	100	0.0165	29
37.5	100	0.0117	29
28	100	0.0082	27
20	95	0.0058	26
14	95	0.0041	23
10	95	0.0029	21
6.3	95	0.0016	19
5	95		
3.35	95		
2	94		
1.18	94		
0.6	93	Particle density (assumed)	
0.425	93	2.70	Mg/m3
0.3	93		
0.212	92		
0.15	73		
0.063	36		

Sample Proportions	% dry mass
Very coarse	0
Gravel	6
Sand	57
Silt	17
Clay	20

Grading Analysis		
D100	mm	
D60	mm	0.11
D30	mm	0.0195
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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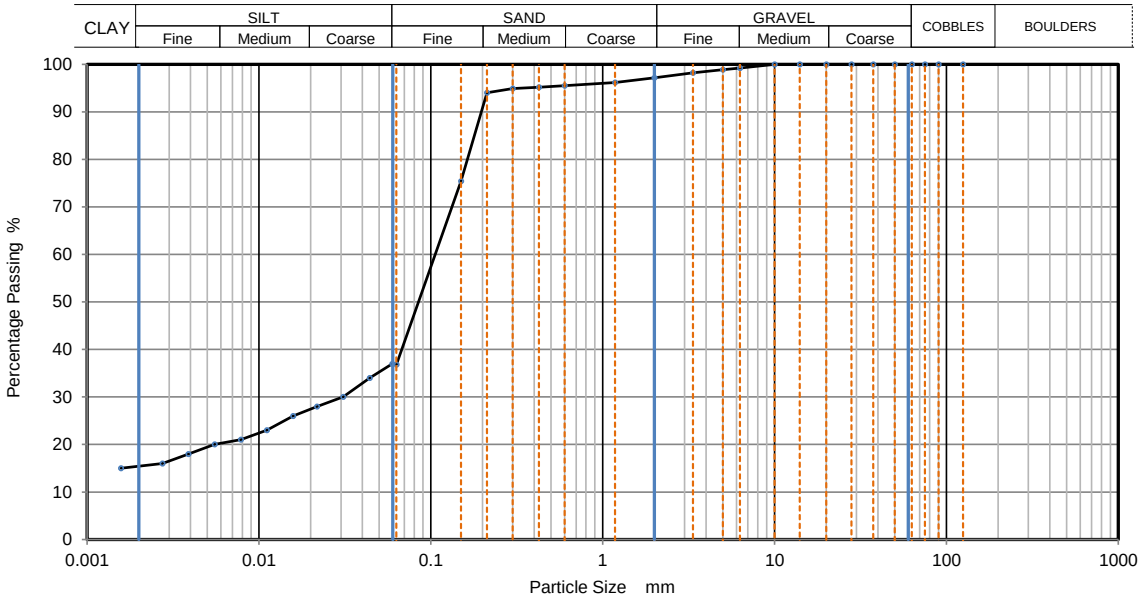
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PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP29
Site Name	Land South of Mortimers Lane			Sample No.	1
Project No.	GE22375	Client	GESL	Depth Top	0.50 m
Soil Description	Orangish brown slightly gravelly fine sandy silty CLAY with occasional rootlets (gravel is fm sandstone fragments and flint)			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0596	37
90	100	0.0441	34
75	100	0.0309	30
63	100	0.0218	28
50	100	0.0158	26
37.5	100	0.0111	23
28	100	0.0078	21
20	100	0.0055	20
14	100	0.0039	18
10	100	0.0027	16
6.3	99	0.0016	15
5	99		
3.35	98		
2	97		
1.18	96		
0.6	96	Particle density (assumed)	
0.425	95	2.70	Mg/m3
0.3	95		
0.212	94		
0.15	75		
0.063	37		

Sample Proportions	% dry mass
Very coarse	0
Gravel	3
Sand	60
Silt	22
Clay	15

Grading Analysis		
D100	mm	
D60	mm	0.106
D30	mm	0.0311
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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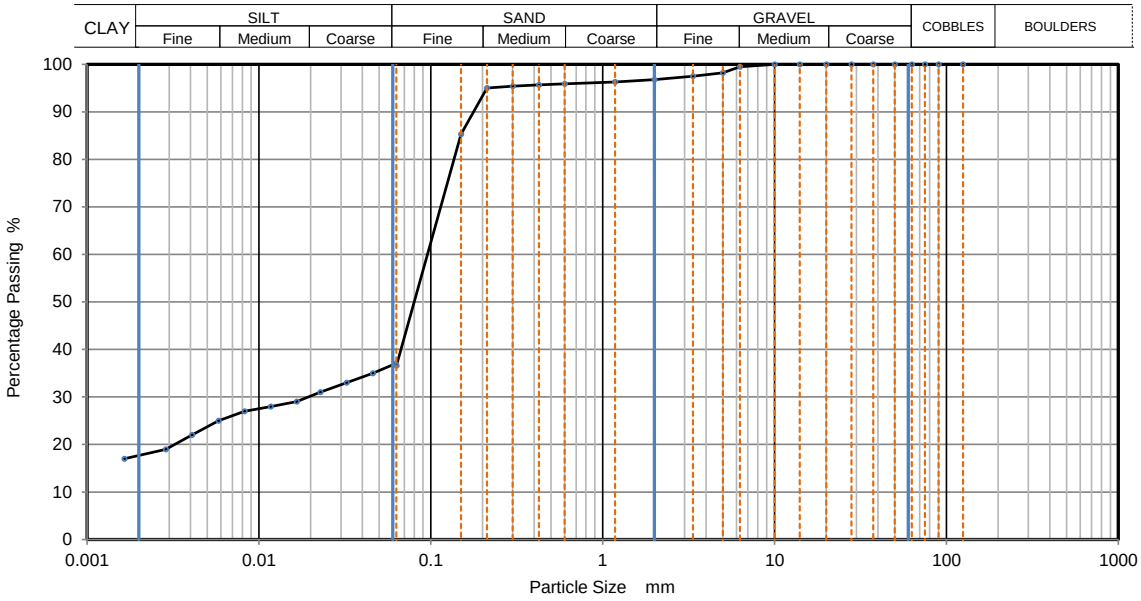
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PARTICLE SIZE DISTRIBUTION

				Job Ref	36332
				Borehole/Pit No.	TP29
Site Name	Land South of Mortimers Lane			Sample No.	3
Project No.	GE22375	Client	GESL	Depth Top	1.50 m
Soil Description	Orangish brown slightly gravelly fine sandy silty CLAY (gravel is fine and sub-rounded sandstone fragments)			Depth Base	- m
				Sample Type	D
				Samples received	11/11/2024
				Schedules received	15/11/2024
Test Method	BS EN ISO 17892 Part 4: 2016			Project started	18/11/2024
				Date tested	26/11/2024

These results only apply to the items tested



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
125	100	0.0620	37
90	100	0.0459	35
75	100	0.0323	33
63	100	0.0228	31
50	100	0.0166	29
37.5	100	0.0117	28
28	100	0.0082	27
20	100	0.0058	25
14	100	0.0041	22
10	100	0.0029	19
6.3	100	0.0016	17
5	98		
3.35	98		
2	97		
1.18	96		
0.6	96	Particle density (assumed)	
0.425	96	2.70 Mg/m3	
0.3	95		
0.212	95		
0.15	85		
0.063	37		

Sample Proportions	% dry mass
Very coarse	0
Gravel	3
Sand	60
Silt	19
Clay	18

Grading Analysis		
D100	mm	
D60	mm	0.0956
D30	mm	0.0197
D10	mm	
Uniformity Coefficient		
Curvature Coefficient		

Remarks

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UKAS TESTING

2519

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

MSF-5-R3

APPENDIX D

Emails to Local Operators



From:	Fiona Goode
To:	aggregatesales@grundon.com
Subject:	Technical Resource Consultation - Fair Oak, Hampshire
Date:	07 January 2025 12:46:00
Attachments:	GE22375 - Fig 1.pdf GE22375 - Logs.pdf

Hello,

We are currently writing a Mineral Resource Assessment for a site located in Fair Oak, Hampshire (grid ref 450690 118680) as the Hampshire Minerals and Waste Local Plan has defined the site to be within a mineral safeguarding area. I have attached a site boundary plan.

We have undertaken intrusive investigation works across the site and I have attached the exploratory hole logs of the encountered underlying soils.

As such, we need to consult with mineral operators who, more readily understand the economic and technical issues relevant to mineral extraction, to confirm with industry if the anticipated underlying ground conditions of the site; clays, sands, and gravels of the London Clay, is a commercially viable resource.

We just need a quick response to: Do you feel this is a viable mineral resource?

If you have any queries, please do not hesitate to get in touch,

From:	Fiona Goode
To:	enquiries@raymondbrown.co.uk
Subject:	Technical Resource Consultation - Fair Oak, Hampshire
Date:	07 January 2025 12:47:55
Attachments:	image859544.png GE22375 - Fig 1.pdf GE22375 - Logs.pdf

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If you have any queries, please do not hesitate to get in touch,

Fiona Goode

MSc, BSc (Hons), FGS, RSoBRA
Senior Consultant Engineer

T: 07703 036394 M: 07703036394

W: www.gesl.net

Head office: Unit 7, Danworth Farm, Cuckfield Rd, Hurstpierpoint, West Sussex, BN6 9GL, UK
Hatfield Peverel Office: Office 4 Wheelwrights Yard The Street, Hatfield Peverel, Essex CM3 2EA
Bristol Office: Bristol Broad Quay, Broad Quay House, Prince Street, Bristol, BS1 4DJ
Birmingham Office: Birmingham Fort Dunlop, Fort Dunlop, Fort Parkway, Birmingham, B24 9FEL

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The Company Registration No. is 3214980 and the VAT Registration No. is 679544479.

From:	Fiona Goode
To:	restore.south@tarmac.com
Subject:	Technical Resource Consultation - Fair Oak, Hampshire
Date:	07 January 2025 12:48:27
Attachments:	image248101.png GE22375 - Fig 1.pdf GE22375 - Logs.pdf

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