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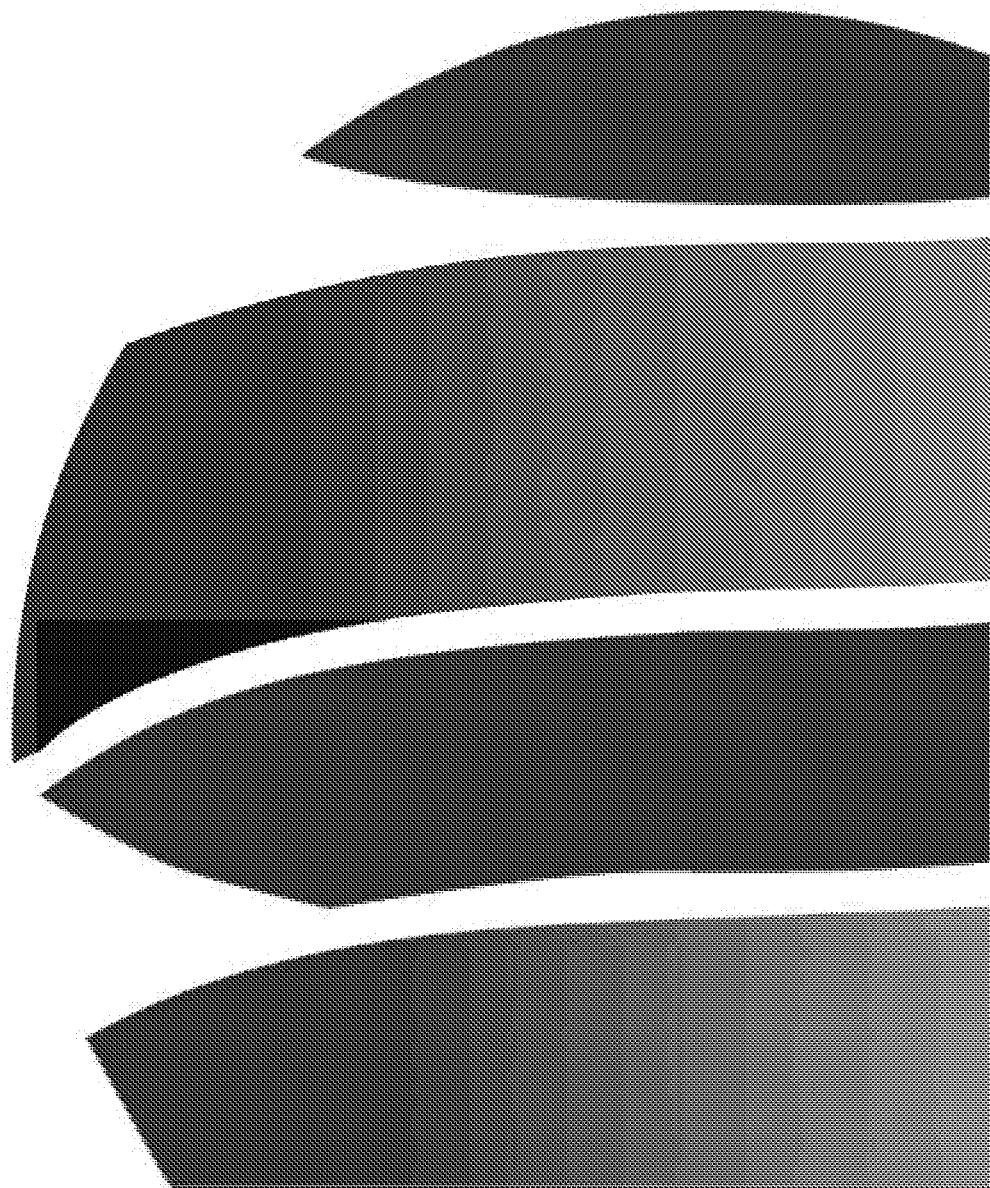
DESK STUDY REPORT

for the land at

CINDERS LANE, YAPTON

on behalf of

SUNDIAL PLANNING



ARUN DISTRICT COUNCIL Y/58/19/OUT

Report:	DESK STUDY REPORT
Site:	CINDERS LANE, YAPTON
Client:	SUNDIAL PLANNING
Date:	20/01/2017
Reference:	GE16133-DSR-JAN17
Version:	1.0
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1.0 INTRODUCTION

1.1 General

Geo-Environmental Services Limited (Geo-Environmental) was instructed by WYG on behalf of Sundial Planning to undertake a Phase I desk study into the geotechnical and geo-environmental factors pertaining to the redevelopment of the site at Cinders Lane, Yapton, Arundel, West Sussex BN18 0JJ, herein referred to as 'the site'. The site's location is presented in Figure 1.

1.2 Form of Development

The proposed development is understood to comprise the construction a residential development and associated development infrastructure.

1.3 Objectives

The investigation was to comprise a desk study of geotechnical and geo-environmental factors pertaining to the site, including a review of available historic maps and an examination of other available sources of geo-environmental information.

A preliminary Risk Assessment (PRA) was to be undertaken as part of the desk study in accordance with CLR11. The objective of the risk assessment was to evaluate plausible pollutant linkages with respect to the proposed development, adjacent land uses, and the wider environment, in the context of planning, immediate liabilities under the Environment Act 1990, and risks posed to Controlled Waters under the Water Resources Act.

1.4 Standards

Where practicable, the desk study was undertaken in accordance with the following documents and guidance:

- National Planning Policy Framework – March 2012
- Planning Policy Statement 23 – Planning and Pollution Control;
- Model Procedures for the Management of Contaminated Land, CLR11, DEFRA and Environment Agency 2004;
- Environment Agency Guidance on Requirements for Land Contamination Reports, Version 1 dated July 2005;
- BS10175:2011 - Investigation of Potentially Contaminated Sites - Code of Practice, BSI 2011;
- BS5930: 2015 - Code of Practice for Site Investigations, BSI 2015;
- EN ISO 14688 Geotechnical Investigation and Testing Part 1-2002 and Part 2-2004;
- BS1377: 1990 - Soils for Civil Engineering Purposes, BSI1990;
- NHBC Standards Chapter 4.1 Land Quality - Managing Ground Conditions;
- NHBC Standards Chapter 4.2 Building Near Trees;
- CIRIA C665 – Assessing risks posed by hazardous ground gases to buildings (2007);
- NHBC 10627-R01(04)- Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (2007);
- BS8485:2015 Code of practice for the characterisation and remediation from ground gas in affected developments;
- Department of Environment - Industry Profiles (1995 - 1996).

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1.5 Conditions

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

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

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2.0 DESK STUDY

The findings of the Phase I desk study are presented in the following section. A copy of the information (Envirocheck Report) obtained as part of the desk study is presented in Appendix A. Extracts from BGS borehole records are presented in Appendix B.

2.1 Site Description

The site comprised an irregularly shaped parcel of land extending to approximately 1.68Ha located at NGR 498090, 102670.

At the time of writing, the site was occupied by abandoned industrial greenhouses to the northeast and a number of bungalows to the south and southeast. The greenhouses were in a state of dilapidation and appeared to have not been in use for some considerable period of time.

Several above ground metal tanks were observed scattered within the perimeter of the site. None of the tanks showed clear signs of their actual current or former use (e.g. there were no signs of material spillage and no odour was present in their vicinity). The contents of the tanks were not listed. Given the former use with greenhouses, these tanks could have been for water storage, rather than for heating oil.

Small concrete storage buildings were also observed to the south of the site. Timber and dry goods were stored in the yard area. Gas bottles (metal cylinders) were also stored in the yard.

The ground was flat and level, and comprised a mixture of open land, and potential vehicular access via a dirt track and/or broken tarmac road surfacing. Scattered clusters of mature trees were noted with the site area. A ditch was located running alongside Cinders Lane within the western boundary of the site.

A large single storey building was located to the south with access via a road to the west. At the time of the site walkover, access from the road to the building was blocked by a closed and locked metal gate. Consequently, close inspection of the building was not possible.

The site was bounded by allotments to the north, and by a wooden fence to the west with residential houses beyond. Mature and semi-mature trees bounded the site to the east, and a mixture of industrial wooden and metal fencing bounded the site to the south.

The site was access via Cinders Lane to the north.

2.2 Geology

British Geological Survey geological mapping indicated the geology of the site was underlain by superficial deposits of the River Terrace Deposits overlying the Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation (White Chalk). The existing history of development of the site suggests that, in addition to these natural strata, Made Ground is likely to be encountered overlying these natural strata.

BS5930:2015 defines **Made Ground** as anthropogenic ground in which the material has been placed without engineering control and/or manufactured by man in some way, such as through crushing or washing, or arising from an industrial process. Great variations in material type, thickness and degree of compaction invariably occur and there can be deleterious or harmful matter, as well as potentially methanogenic organic material. In addition, on sites which have undergone several phases of historic development it is not uncommon for asbestos to be present within Made Ground soils.

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The rivers of southern England have been subject to several changes of level since Pleistocene times. One result has been the formation of a complex series of **River Terrace Deposits**. The deposits are generally found at an elevation close to or higher than that of the existing rivers, and generally comprise sand and angular to sub-angular gravel of roughly bedded flint or chert.

The **White Chalk Subgroup** is a soft white friable microporous limestone composed of coccolith biomicrites with a varying proportion of larger shell fragments. Flint characterises the White Chalk Subgroup, occurring as nodular courses, tabular beds and linings to fractures.

At various levels clay sized material occurs as marl seams and partings. Close to the surface the upper few metres are invariably discoloured brown, due to leaching from the overlying strata. The interface with any overlying stratum is invariably extremely irregular as a result of localised weathering and general solution. Weathering by frost action may extend to a depth of several metres.

Occasional erosional features, such as pipes, swallow holes and solution cavities, usually infilled with drift deposits, are found in the chalk, sometimes manifesting themselves at the surface as shallow circular depressions. Solution features may be reactivated by the concentrated ingress of water from leaking drains or soakaways. Reactivation may lead to surface collapse.

Chalk weathers at shallow depth to a silty and gravel soil like mass which grades into blocky chalk with depth. The weathering profile of Chalk can be highly variable over short distances and solution features can also be present within the Chalk. The weathering profile with chalk marls tends to be less pronounced. No surface evidence was observed of depressions which could indicate the presence of solution features. However, such features could be masked by overlying superficial deposits and their presence cannot be ruled out on this site.

Several BGS historical borehole records were identified within 1km radius of the site boundary and are presented in Appendix B. The closest available record related to a borehole, reference SU90SE34, approximately 800m east of the site and drilled to 7mbgl. The ground conditions reported comprised Brickearth overlying Raised Beach Deposits with the Upper Chalk (now classified as White Chalk) in turn. Furthermore, groundwater was not reported within this borehole.

The second closest BGS historical borehole record available related to SU90SE29, located approximately 900m northeast and drilled to 6.2mbgl. The ground conditions reported in this borehole comprised Brickearth overlying Raised Beach Deposits with the Upper Chalk in turn. Groundwater within this borehole was reported at 1.9m bgl.

2.3 Hydrogeology

With reference to Envirocheck data, the superficial deposits were classified as a Secondary "A" Aquifer. The bedrock geology beneath the site (Upper Chalk) was classed as a Principal Aquifer.

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

Principal Aquifers are layers of rock or drift deposits that have high intergranular and/or fracture permeability – meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers previously designated as major aquifer

The soils cover across the site were classified as being of intermediate (I1) to high leaching potential (H1). As soil

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information for restored mineral workings and urban areas is based on fewer observations than other areas and as such as worst case vulnerability classification is assumed until proved otherwise.

- Soils of High Leaching Potential (H1) are soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater.

- Soils of Intermediate Leaching Potential (I1) are soils which can possibly transmit a wide range of pollutants.

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 did not record any groundwater abstractions within 1000m of the site.

There were no discharges to land/soakaway recorded on, or in close proximity to the site.

2.4 Hydrology

With reference to the Landmark dataset, the closest surface water feature was located on site, which is likely to be a ditch as referred in Section 2.1. The Landmark maps also indicated an Offline Drainage Feature adjacent to the site in the southeast.

The Envirocheck data indicated the site to be outside an area of Extreme Flooding from Rivers or Sea without Defences. The Landmark flood zone mapping indicated the site to be in area of 'Potential for Groundwater Flooding of Property Situated Below Ground Level'.

Discharge consents to surface water were identified on, and in close proximity to the site, as summarised in Table 1.

Operator	Location	Discharge Type	Distance from site
Enterprising Developments Ltd	New Estate At Belmont Estate, YAPTON	Discharge Of Other Matter-Surface Water	On site
Ambleside Developments Ltd	Residential development, off Cherry Lane, Yapton, West Sussex	Discharge of other matter-surface water	1m N
Ambleside Developments Ltd	Residential development, off Cherry Lane, Yapton, West Sussex	Discharge of other matter-surface water	21m SW
R. Taylor Esq.	Bilsham Road, Yapton, West Sussex	Discharge of other matter-surface water	219m SW
R. Taylor Esq.	Bilsham Road, Yapton, West Sussex	Discharge of other matter-surface water	222m SW
R. Taylor Esq.	Bilsham Road, Yapton, West Sussex	Discharge of other matter-surface water	237m SW

Table 1 Summary of discharge consents

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One pollution incident to controlled waters was identified within a radius of 500m of the site boundary, details of which are provided in Table 2.

Property Type	Location	Pollutant	Distance from site
Agricultural	Rear of Cinders Lane Nursery, Yapton	Oils - Diesel (including agricultural) in a ditch	61m E

Table 2 Summary of pollution incident to controlled waters

2.5 Radon

The Envirocheck report states that the site lies in an area where less than 1% of homes are above the Action Level as defined by the BGS. No radon protective measures are therefore necessary in the construction of the new storage unit or extensions.

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.

Four Local Authority Pollution Prevention and Control (LA PPC) sites were identified within 1km of the site, details of which are provided in Table 3.

Name	Location	Description	Distance from site
Tarmac Topblock Ltd	Hangers 1 & 2, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY	PG3/1 blending, packing, loading and use of bulk cement located	843m NE
Hypablast PlcRockland Clothing Ltd	Unit 3 Block C, Ford Industrial Estate, Yapton, Arundel, BN18 0HY	PG6/46 dry cleaning located	863m NE
Complete Workwear Services Ltd	Unit 1 Block C, Ford Industrial Estate, Yapton, Arundel, BN18 0HY	PG6/46 dry cleaning located	869m NE
N/A	Hanger 1 Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY	N/A	920m E

Table 3 Summary of Local Authority Prevention and Control (LA PPC)

The desk study identified four Contemporary Trade Directory entries within 100m of the site:

- Ayrlect Associates, electrical engineers located 60m west. Active;
- Maison Belles, cleaning services – domestic located 70m north-east. Inactive;
- Mowercare, lawnmowers and garden machinery - sales & service located 95m west. Inactive; and
- K S W Vehicle Inspections, vehicle inspection services located 98m north-east. Inactive.

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Two obsolete fuel station entries were recorded 330m to the northeast and 636m to the northwest.

2.7 Soil Chemistry

Data obtained as part of the desk study provides details on the estimated soil chemistry for the natural soils in the vicinity of the site. The estimated soil quality on the subject site is presented Table 4.

Contaminant	Estimated Concentration
Arsenic	<15 mg/kg
Cadmium	<1.8 mg/kg
Chromium	60-90 mg/kg
Lead	<100 mg/kg
Nickel	15-30 mg/kg

Table 4 Estimated Soil Concentrations on site.

The natural background concentrations 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. Furthermore, some SGVs and GACs are dependent on pH and soil organic matter content. Therefore, concentrations of specific determinants and the utilised SGV/GAC cannot be determined without site specific investigation and analysis.

2.8 Sensitive Land Uses

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

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

In view of the nature of the proposed development it is considered that the site is unlikely to have any significant impact with respect to these environmental sensitivities.

2.9 Geotechnical Data

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

National databases for a number of different geological hazards have been compiled by the BGS, and a summary of the hazard data pertaining to the site itself is presented in Table 5.

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Hazard	Designation
Non-coal mining	No Hazard
Collapsible ground	Low
Compressible ground	No Hazard
Ground dissolution	Very Low
Landslide	Very Low
Running sand	Low
Shrinking and Swelling clay	Low

Table 5 Summary of BGS Geological Hazards.

2.10 Landfill and Waste Management Facilities

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

The desk study identified two historic landfill sites located 433m to the northeast at Yapton, and 845m to the northwest at Barnham.

2.11 Historic Mapping

Historic maps dating back to 1876 were obtained as part of the desk study. A summary of the apparent key features observed on the map extracts both on the site and within the local area is presented within Table 6.

Date	On-site	Off-site
1876	The site comprised open fields with sporadic trees along the site boundaries. A single track was shown running along the central portion of the site.	The area surrounding the site comprised open fields with occasional houses, barns and farms.
1879-1880	No significant changes noted.	The village of Yapton was noted c. 800m to the north.
1898	No significant changes noted.	No significant changes noted.
1899	No significant changes noted.	No significant changes noted.
1912	No significant changes noted.	An allotment gardens was noted c.100m north.
1913	No significant changes noted.	No significant changes noted.
1932	No significant changes noted.	No significant changes noted.
1937 - 1940	No significant changes noted.	Residential development was noted c.100m west of the site.
1940 - 1951	Five small rectangular features were shown located in the south and central portion of the site.	Further residential development to the north and west.
1947	No significant changes noted.	No significant changes noted.
1962	No significant changes noted.	No significant changes noted.
1967	No significant changes noted.	No significant changes noted.
1974 - 1975	Two large rectangular structures were noted in the southwest. An unnamed road was shown parallel to the west boundary.	Further residential and commercial development occurred to the north and west. A

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Date	On-site	Off-site
		drain was noted running adjacent to the east boundary.
1978 - 1982	No significant changes noted.	No significant changes noted.
1980	No significant changes noted.	No significant changes noted.
1982 - 1989	A 'Works' was labelled in the south of the site. A large square feature was show in the north. Cinders Lane Nursery was labelled in the northeast.	No significant changes noted.
1984	No significant changes noted.	No significant changes noted.
1984 - 1989	No significant changes noted.	No significant changes noted.
1991 - 1992	A large rectangular feature was shown in the east, together with several small structures scattered in the central and north portion of the site.	No significant changes noted.
1992	No significant changes noted.	An industrial estate was labelled c.200m southwest.
1994	No significant changes noted.	No significant changes noted.
1994 - 1995	No significant changes noted.	No significant changes noted.
1999	No significant changes noted.	No significant changes noted.
2000	No significant changes noted.	No significant changes noted.
2006	No significant changes noted.	No significant changes noted.
2016	No significant changes noted.	No significant changes noted.

Table 6 Summary of Historic Map extracts.

Historic mapping from 1876 showed the site to comprise an irregularly shaped plot with open fields and sporadic trees along the site boundaries. In 1940–1951, a cluster of rectangular features, likely to be buildings, was shown in the south and central portion of the site. Further building development occurred in the southwest (1974 – 1975), together with a works which was labelled in the south, and Cinders Lane Nursery in the northeast (1982 – 1989) through to the 2016 map.

The land around the site was shown to have been developed throughout the mapping period, with residential, commercial and industrial development all having occurred in the wider area. A drain was located adjacent to the site's eastern boundary from 1974–1975 onwards.

2.12 Asbestos

Whilst no clear evidence of asbestos containing materials was observed during the site visit, it is possible that asbestos containing materials (ACM) could be present within the fabric of the building given its age, or present in areas not readily accessible. In line with current best practice, asbestos and ACM should assumed to be present until proven otherwise.

2.13 Previous Ground Investigations

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

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As stated in Section 2.2, BGS maps and borehole records indicated that the natural ground conditions were likely to comprise gravelly clay and clayey gravel of the River Terrace Deposits overlying the Upper Chalk.

Groundwater is likely to be present in the granular deposits of the River Terrace Deposits. Furthermore, perched water may be encountered within any Made Ground at shallow depths and also overlying more clayey strata/lenses. Borehole records within the site's surroundings indicated groundwater at a depth of 1.9m bgl, although groundwater depths would be likely to vary over time and thus these provide indicative 'snapshots' of the conditions at the time of those investigations. Moreover, it is unclear whether ground levels on the site are similar to those where the borehole was located.

2.14 Potential Contamination

The site's previous uses have been as a nursery, an unspecified works and residential dwellings. These land uses are covered by the National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication '*Guidance for the Safe Development of Housing on Land Affected by Contamination*' (2008), which provides a summary of industrial profiles (1995 - 1996) published by the former Department of the Environment (DoE) (now part of the Department for Environment, Food and Rural Affairs [DEFRA]).

Potential contaminants associated with the site's former uses may include the excessive use or spillage of pesticides, herbicides, fungicides, as well as heavy metals and organic pollutants such as poly-aromatic hydrocarbons (PAH) from ash used as fertiliser, petroleum hydrocarbons/oils and solvents, inorganic compounds, acids and coal tars. In addition, the former and current buildings on site may have been constructed using asbestos containing materials and therefore the potential presence of this contaminant within the near surface soils cannot be discounted.

2.15 Ground Gas and Vapour Summary

The desk study has not identified any significant potential sources of ground gases in the vicinity of the site. However, given the previous development that has occurred on the site there is the potential for Made Ground soils to be present. If Made Ground is present, it may contain a significant amount of organic matter or organic contamination, it could also have the potential to represent a source of ground gases/vapours.

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3.0 PRELIMINARY ASSESSMENT

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

3.1 Geotechnical Risk Assessment

3.1.1 Potential Geotechnical Issues

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

- The possible presence of Made Ground which if encountered may affect the foundation design and construction;
- The presence of trees immediately on the boundaries of the site which may impact upon foundation design and construction where shrinkable soils are present;
- The presence of laterally and vertically variable strata and the impact these could have on construction;
- Consideration of the volume change potential of any cohesive soils and the affect this could have on foundations;
- The possible presence of aggressive ground conditions (sulphates) which may affect the foundation design and construction; and
- The possible presence of perched and shallow groundwater beneath the site.

3.2 Preliminary Environmental Conceptual Site Model & Risk Assessment

3.2.1 Methodology

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

A risk of harm may only exist where a plausible pollutant linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. Under the statutory definition, "Contamination" may only strictly exist where contaminants pose a risk of harm to a receptor. The risk classification has been assessed in accordance with CIRIA C552 (Rudland et al., 2001). A summary of how the risks are derived and their definitions are presented in Tables 7 and 8.

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

Table 7 Risk Ratings Matrix.

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

Table 8 Risk Rating Definitions.

3.2.2 Summary of Plausible Sources

Possible sources of contamination identified from the desk study are summarised in Table 9.

Source	Description	Contaminants
Made Ground and Shallow Soils	The general quality of Made Ground and shallow soils could be impacted by the presence of contamination in view of the site's previous development and former uses.	Possible elevated concentrations of metals, metalloids, TPH and PAH compounds, sulphate, pesticides and asbestos in Made Ground (if present).
Ground Gases/Vapours	In view of the possible presence of Made Ground and the potential for shallow soils to be impacted with hydrocarbons (from presumed historic heating of the green houses) there is the potential for ground gases and vapours to be present.	Methane, carbon dioxide, depleted oxygen, volatile organic compounds.
Above Ground Storage Metal Tanks	Several above ground storage tanks were observed scattered within the perimeter of the site, however, none showed clear signs of their actual current or former	Petroleum Hydrocarbons.

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Source	Description	Contaminants
	use (e.g. there were no signs of material spillage and no odour was present in their vicinity). These tanks could have been for water storage but a conservative presumption of possible oil storage has also been considered.	

Table 9 Possible Sources of Contamination.

3.2.3 Summary of Plausible Pathways

The plausible pathways are summarised in Table 10. These pathways are based on the proposed end use, including communal gardens and soft landscaping.

Pathway	Description
Direct Contact	Ingestion of soil particles, inhalation of soil derived dust (including tracked back dust), dermal contact.
Inhalation	Inhalation of soil dust both inside and outside of buildings.
	Inhalation of ground gas/vapours and radon gas within buildings.
Vertical & Lateral Migration	Contaminant movement both vertically through leaching/gravity and horizontally along preferential pathways, e.g. services trenches, or with groundwater.
Shallow Groundwater	Shallow groundwater or perched water may be present within the Made Ground which could result in the vertical and lateral migration of contaminants.
Chemical Attack	Attack of buried plastics and concrete by aggressive ground conditions.

Table 10 Possible Contamination Pathways.

3.2.4 Summary of Plausible Receptors

Potential receptors associated with the site and its development are summarised in Table 11.

Receptor	Description	Comments
End Users	Residents/occupants of the proposed development.	The development will have private gardens and areas of soft landscaping.
Soft Landscaping	Possible areas of planting including lawns, shrubs, trees, etc.	Soft landscaped areas are likely to comprise private gardens as well as soft landscaped areas.
Built Environment	Buried concrete for foundations and plastics for potable water supply pipes may be laid in contact with contaminated soils.	Aggressive ground conditions and depths of Made Ground may be present beneath the site.
Adjacent Land Users	Sensitive land uses identified within the immediate vicinity.	Adjacent land use is a combination of residential and commercial premises.
Groundwater	Controlled Waters contained within the aquifer(s) beneath the site.	The site overlies a Secondary "A" and a Principal Aquifer, and is outside of any SPZ.

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Receptor	Description	Comments
Surface Water	Controlled Waters within lakes, rivers, and ponds, etc., or coastal waters.	Surface water was identified on site as a ditch.
Ecological Receptors	Sensitive areas of ecological significance.	The site lies within a Nitrate Vulnerable Zone.

Table 11 Possible Receptors of Contamination.

Site workers involved in the preparation and construction of the development have not been considered further in this assessment as the Principal Contractor is duty bound under the current CDM Regulations to undertake their own risk assessments with respect to their employees. With regard to the presence of ACMs within buildings on site, it is recommended that an asbestos survey is commissioned for the site, and pre-demolition removal of ACMs from the site is carried out by a suitably licensed contractor. As a pathway to receptors other than site workers is not considered to be present, the presence of ACM materials within buildings is not considered further in this assessment.

Whilst the above sources and receptors have been identified, Table 12 summarises the identified plausible pollution linkages and a qualitative assessment of the risks based on the desk study research.

ARUN DISTRICT COUNCIL Y/88/[illegible]DC

Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
Contaminants of Concern **(Made Ground and Shallow Soils)**	End users	Direct contact	Likely	Minor	**Low** Future residents are likely to come into contact with soils via direct contact in the garden or home. However, natural soils are not anticipated to represent a significant risk of harm to human health. The consequence is likely to be low.
	Soft Landscaping	Root Uptake	Low	Minor	**Very Low** Soft landscaping is included within the proposed development. However, no evidence of harm to existing vegetation was observed on or around the site. The consequence is likely to be very low.
	Adjacent land users	Direct or indirect contact	Likely	Mild	**Moderate to Low** Minimal and managed communal soft landscaping are proposed. The consequence is likely to be moderate to low.
	Water supply pipes	Direct contact	Likely	Mild	**Moderate to Low** Water supply pipes could come into contact with impacted soils depending upon depth of installation and extent of soil impact. The consequence is likely to be moderate to low.
	Buildings and infrastructure	Direct contact	Likely	Minor	**Low** Foundations and utilities will be placed within potentially aggressive soils (e.g. sulphate). However the consequence is anticipated to be low.
	Groundwater	Vertical migration	Likely	Mild	**Moderate to Low** Shallow groundwater is likely to be present. The stratum beneath the site is classified as a Secondary A Aquifer. The site is located outside of any SPZ. The consequence is likely to be moderate to low.

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
	Ecological Receptors	Lateral migration	Unlikely	Mild	**Very Low** It is considered a low probability that ecological receptors will be impacted by affected soils on site. The consequence is likely to be very low.
Ground Gases and Vapours	End users	Inhalation	Unlikely	Medium	**Low** Ingress of hazardous ground gas into buildings could occur and could result significant harm where ground gases are identified on site, or migrating cross boundary onto the site. Incorporation of gas protection measures could mitigate the risk of harm and thus the consequence would be low.
	Soft Landscaping	Root Uptake	Low	Minor	**Very Low** Soft landscaping is included within the proposed development. The consequence is likely to be very low.
	Adjacent land users	Inhalation	Unlikely	Medium	**Low** It is considered to be unlikely and a low probability that adjacent land users will come into contact with ground gases and vapours originating on site. However, the consequence is considered to be low.
	Water supply pipes	n/a	n/a	n/a	There is no risk to water supply pipes from potential ground gases/vapours
	Buildings and infrastructure	n/a	n/a	n/a	There is no risk to buildings and infrastructure from potential ground gases/vapours
	Groundwater	n/a	n/a	n/a	There is no risk to groundwater from potential ground gases/vapours

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Potential Source/media	Potential Receptors	Potential Pathways	Likelihood	Severity	Risk and Justification
Above Ground Storage Metal Tanks	End users	Inhalation and Ingestion	Low	Minor	**Very Low** Heating oil and hydrocarbons (if ever spilled from these tanks) would become readily adsorbed to organic and clay soils which would inhibit migration. The consequence is likely to be very low.
	Soft Landscaping	Root Uptake	Low	Minor	**Very Low** Heating oil and hydrocarbons (if ever spilled from these tanks) would become readily adsorbed to organic and clay soils which would inhibit migration. The consequence is likely to be very low.
	Adjacent land users	Inhalation	Low	Minor	**Very Low** Heating oil and hydrocarbons (if ever spilled from these tanks) would become readily adsorbed to organic and clay soils which would inhibit migration. The consequence is likely to be very low.
	Water supply pipes	Direct contact	Low	Minor	**Very Low** Heating oil and hydrocarbons (if ever spilled from these tanks) would become readily adsorbed to organic and clay soils which would inhibit migration. The consequence is likely to be very low.
	Buildings and infrastructure	n/a	n/a	n/a	There is no risk to buildings and infrastructure from potential ground gases/vapours
	Groundwater	Migration	Low	Medium	**Moderate to Low** Heating oil and hydrocarbons (if ever spilled from these tanks) could migrate into the River Terrace Deposits posing a high risk to groundwater. The consequence is likely to be moderate to low.

Table 12 Plausible Pollutant Linkages & Qualitative Risk Assessment.

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3.3 Preliminary Risk Assessment Summary

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

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

In order to progress this assessment in line with the National Planning Policy Framework, to provide further characterisation of the site and refinement of the PRA and CSM, it is recommended that intrusive investigation and associated testing is undertaken to confirm the findings of the desk study report and to provide a robust risk assessment for the site and proposed redevelopment. As such it is recommended that geochemical and geotechnical investigation be carried out on the site to include analysis of soil and groundwater (if encountered) samples for the range of potential contaminants identified within the desk study.

3.4 Preliminary Geotechnical Assessment Summary

The site is anticipated to be underlain by the River Terrace Deposits overlying the Upper Chalk. The River Terrace Deposits have the potential to include cohesive soils at shallow depth and account may need to be taken of the potential for shrinkable soils to be present and the influence of shrubs and trees (existing or proposed).

It is possible that conventional strip or pad foundations could be suitable for the proposed development. However it is important to recognise that foundation depths are also likely to be influenced by the existing structures. This could include, for example, foundations and underground services which will need to be removed beneath areas of new construction where they interfere with the new build, in addition to other possible buried structures.

Whilst ground bearing floor slabs may be suitable if non-shrinkable soil and deep Made Ground are not present, suspended floor slabs are recommended at this stage.

It is possible that soakaways may function on this site, although this would be subject to testing to inform design. It may also be necessary (subject to testing) to utilise on-site storage and attenuation of peak storm flow, through systems such as porous paving and cellular storage crates.

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4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

The desk study has shown the site to have been developed by 1940–1951, when a cluster of rectangular features, likely to be buildings, was shown in the south and central portion of the site. Further building development occurred in the southwest (1974 – 1975), together with a 'works' which was labelled in the south. The site was redeveloped by c.1982-1989 with a large building labelled Cinders Lane Nursery to present day.

The land around the site was shown to have been developed throughout the mapping period, with residential, commercial and industrial development all having occurred in the wider area. A drain was located adjacent to the site's eastern boundary from the 1974–1975s onwards.

It is concluded that the potential for contamination to exist at the site is likely to be limited to the presence of underlying Made Ground from historical phases of redevelopment across the site and possible above ground storage of heating oil although no evidence of leaks, or spillages was observed during the site walkover survey. Demolition rubble from previous developments may exist beneath the site. However, no evidence of the presence, or potential presence of gross contamination has been identified.

Anecdotal evidence suggests that hydrocarbons sources of contamination (e.g. above ground storage tanks) may be present within the site. At this stage, the Made Ground is considered likely to pose a risk to human health and possibly to controlled waters. Hotspots of petroleum hydrocarbons and associated contaminants could be present (no visual evidence during the walkover), particularly around the above ground storage tanks areas. However, even if an historic spillage/leak had occurred, based on the anticipated presence of near surface cohesive soils, the impact might be of limited extent. This should be clarified through further investigation and assessment.

The surface water of the ditch running along the site boundary might also acts as a potential pathway for contaminants. In addition, the site is also underlain by a Secondary A Aquifer with a soil cover of intermediate and high leaching potential. Hence there is a potential pathway for leachate from soil pollutants and for mobile liquid contaminants to enter the groundwater. However, as lateral permeability is likely to be substantially greater than vertical permeability within the superficial strata, e.g. River Terrace Deposits, and that a highly weathered upper surface of the Chalk might act as an aquitard, might afford some degree of protection to the underlying Chalk aquifer, thereby reducing the risk of harm to groundwater.

Whilst the individual risk ratings for the potential pollutant linkages identified ranged from moderate to very low, further assessment is likely to be required to better characterise contamination on site as result of current and historical land uses and the associated risk to identified receptors.

It is possible that conventional foundations would be suitable for the proposed development, although this is subject to confirmation following intrusive investigation.

The proposed end use of the site is understood to comprise the construction of a residential development associated infrastructure. Depending on the outcome of the intrusive investigation, it is possible that risk mitigation measures such as localised removal of construction of a soil cover system may be required to protect end users.

4.2 Recommendations

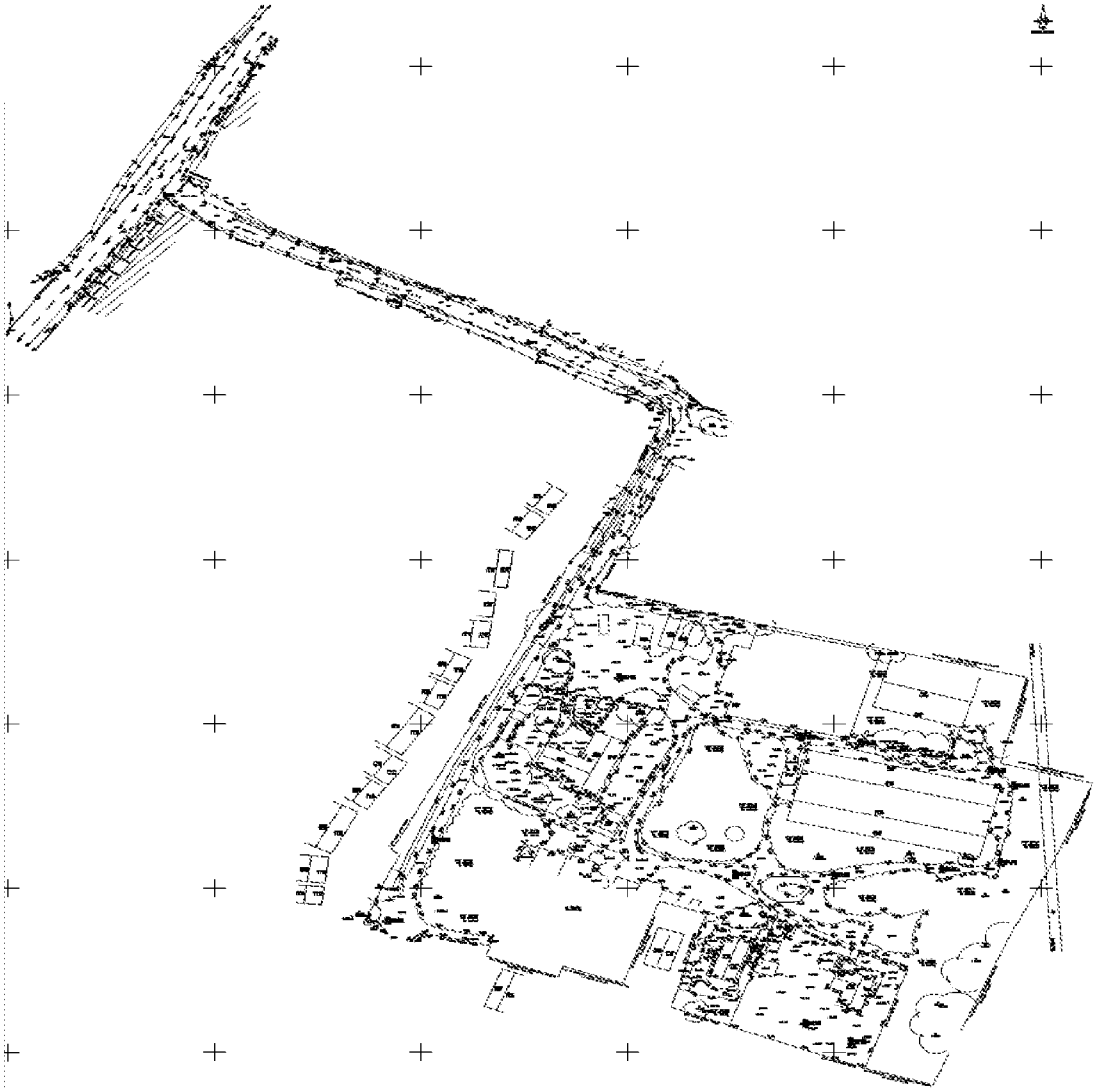
At this stage and based on the findings of the desk study and preliminary risk assessment, the following scope of works is recommended for the intrusive investigation on the site.

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- Intrusive investigation works including targeted investigation of potential contamination sources should be carried out in order to clarify the geotechnical and geo-environmental issues pertaining to redevelopment of the site.
- In-situ testing to assess the potential for the use of soakaways, e.g. trial pit soakage tests.
- In-situ CBR probing for road design.
- Soil and groundwater (if encountered) sampling and analysis should be undertaken to inform subsequent geotechnical and geo-environmental risk assessment.
- Laboratory analysis, on soil samples recovered from the exploratory holes for a range of geotechnical parameters to support foundation design and the like.
- Laboratory analysis, on shallow soil samples and groundwater samples recovered from the exploratory holes, for an analytical suite to include the potential contaminants identified within the desk study and encountered during any intrusive investigation. The suite should include commonly occurring metals, non-metals, asbestos, TPH, and PAH compounds.
- Waste Acceptance Criteria testing may be required if surplus spoil is to be disposed of from the development.

It may be necessary to undertake remediation/risk mitigation measures on this site to break pollutant linkages and thus protect key receptors such as human health, controlled waters, built environment, soft landscaping and the like. The requirement and extent of any such remediation cannot be determined until such time as an intrusive investigation and associated testing has been completed.

ARUN DISTRICT COUNCIL Y/88/[illegible]C



Project:	Cinders Lane, Yapton			**Title**	Site Location
Client:	Sundial Planning			**Geo-Environmental Services Ltd**	
Ref No:	GE16133	**Revision:**	0	**Unit 7 Danworth Farm, Cuckfield Road**	
Drawn:	CA	**Date:**	19/01/2017	**Hurstpierpoint, West Sussex BN6 9GL**	
Figure:	1	**Scale:**	Not To Scale	[redacted]	Geo-Environmental

ARUN DISTRICT COUNCIL Y/[illegible]/OUT

APPENDIX A

Desk Study Information

Geo-Environmental

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
110027317_1_1

Customer Reference:
GE16133

National Grid Reference:
498090, 102670

Slice:
A

Site Area (Ha):
1.68

Search Buffer (m):
1000

Site Details:

Cinders Lane
Yapton
ARUNDEL
West Sussex
BN18 0JJ

Client Details:

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

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Agency & Hydrological	1
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Hazardous Substances	-
Geological	18
Industrial Land Use	20
Sensitive Land Use	30
Data Currency	31
Data Suppliers	36
Useful Contacts	37

Introduction

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

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

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Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1	1	5		4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3				3
Local Authority Pollution Prevention and Control Enforcements	pg 4				1
Nearest Surface Water Feature	pg 4	Yes			
Pollution Incidents to Controlled Waters	pg 4		1		
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*24)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 11			Yes	n/a
Detailed River Network Offline Drainage	pg 12	Yes	Yes	Yes	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 14			1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 14			2	1
Local Authority Landfill Coverage	pg 15	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 15				1
Potentially Infilled Land (Non-Water)	pg 15		1	1	
Potentially Infilled Land (Water)	pg 15		2	4	7
Registered Landfill Sites	pg 16				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 16			2	
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes			
BGS Recorded Mineral Sites	pg 18			2	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 18	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 18	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 19	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 20		5	17	50
Fuel Station Entries	pg 26			1	1
Points of Interest - Commercial Services	pg 26			5	14
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 28	2		2	1
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental	pg 28			3	2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 30	1			
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	A13NW (N)	0	2	498090 102750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	2	498090 102675
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	0	2	498090 102600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	58	2	498000 102675
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	266	2	498450 102750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	305	2	497850 102350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	405	2	498600 102750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	426	2	498550 102900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	433	2	497800 103200
1	**Discharge Consents** Operator: Enterprising Developments Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: New Estate At Belmont Estate, YAPTON Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02741 Permit Version: 1 Effective Date: 1st July 1991 Issued Date: 1st July 1991 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A13NE (N)	0	3	498110 102750
2	**Discharge Consents** Operator: Ambleside Developments Ltd. Property Type: CONSTRUCTION OF BUILDINGS Location: Residential Development, Off Cherry Lane, Yapton West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02208 Permit Version: 1 Effective Date: 21st August 1973 Issued Date: 21st August 1973 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A13NW (N)	1	3	498090 102700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Ambleside Developments Ltd. Property Type: CONSTRUCTION OF BUILDINGS Location: Residential Development, Off Cherry Lane, Yapton West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02208 Permit Version: 1 Effective Date: 21st August 1973 Issued Date: 21st August 1973 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	21	3	498030 102570
4	**Discharge Consents** Operator: R. Taylor Esq. Property Type: Undefined Or Other Location: Bilsham Road, Yapton West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: S01639 Permit Version: 1 Effective Date: 6th October 1967 Issued Date: 6th October 1967 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	A13SW (SW)	219	3	497900 102420
5	**Discharge Consents** Operator: R. Taylor Esq. Property Type: Undefined Or Other Location: Bilsham Road, Yapton West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: S01639 Permit Version: 1 Effective Date: 6th October 1967 Issued Date: 6th October 1967 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	A13SW (SW)	222	3	497860 102460
5	**Discharge Consents** Operator: R. Taylor Esq. Property Type: Undefined Or Other Location: Bilsham Road, Yapton West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: S01639 Permit Version: 1 Effective Date: 6th October 1967 Issued Date: 6th October 1967 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	A13SW (SW)	237	3	497830 102480

ARUN DISTRICT COUNCIL Y/88/16/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: A W Bone Esq Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Bilsham Bar, Bilsham Lane, YAPTON, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P00836 Permit Version: 1 Effective Date: 11th May 1987 Issued Date: 11th May 1987 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company 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	A7NE (SW)	695	3	497440 102240
7	**Discharge Consents** Operator: S.Hyams Esq. Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Little Meadow, Hobbs Farm, Bilsham Road Yapton, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02308 Permit Version: 1 Effective Date: 27th April 1989 Issued Date: 27th April 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: Into Land **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	763	3	497580 101980
8	**Discharge Consents** Operator: B.P.Jarvis Property Type: Undefined Or Other Location: Bilsham Barn, Bilsham Lane, Bilsham , Bognor Regis West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P01118 Permit Version: 1 Effective Date: 8th October 1987 Issued Date: 8th October 1987 Revocation Date: Not Supplied Discharge Type: Non Water Company (Private) Sewage 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	A7NW (SW)	876	3	497320 102090
9	**Discharge Consents** Operator: Mr K Hurdley Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Chapel, Bilsham Lane, Bilsham, Arundel, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P06993 Permit Version: 1 Effective Date: 3rd November 1997 Issued Date: 3rd November 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **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	A7NW (SW)	943	3	497260 102060
10	**Local Authority Pollution Prevention and Controls** Name: Tarmac Topblock Ltd Location: Hangers 1 & 2, Ford Airfield Industrial Estate, Ford, ARUNDEL, West Sussex, BN18 0HY Authority: Arun District Council, Environmental Health Department Permit Reference: Ppc/2/04 Dated: 23rd October 1992 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status:** **Authorisation revokedRevoked** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	843	4	498932 103074

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Local Authority Pollution Prevention and Controls** Name: Hypablast PlcRockland Clothing Ltd Location: Unit 3 Block C, Ford Industrial Estate, Yapton, Arundel, Bn18 0hy Authority: Arun District Council, Environmental Health Department Permit Reference: 13337 Dated: 6th June 2014 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	863	4	498930 103117
11	**Local Authority Pollution Prevention and Controls** Name: Complete Workwear Services Ltd Location: Unit 1 Block C, Ford Industrial Estate, Yapton, Arundel, BN18 0HY Authority: Arun District Council, Environmental Health Department Permit Reference: 10594 Dated: 30th June 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	869	4	498927 103133
12	**Local Authority Pollution Prevention and Control Enforcements** Location: Hanger 1 Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, Bn18 0hy Type: Air Pollution Control Enforcement Notice Reference: EPA/3/92 Date Issued: 1st March 2001 Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Manually positioned within the geographical locality	A19SE (E)	920	4	499040 103033
	Nearest Surface Water Feature	A13SW (SW)	0	-	498040 102590
13	**Pollution Incidents to Controlled Waters** Property Type: Agricultural Location: Rear Of Cinders Lane Nursery, YAPTON Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Red Diesel In Ditch; Horticultural Incident Date: 27th February 1995 Incident Reference: 1232 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	61	3	498250 102690
	Water Abstractions Operator: Mr A Clay Esq Licence Number: 10/41/411007 Permit Version: 100 Location: The Streddles, North End Road, Yapton Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th July 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1030	3	497840 103830

ARUN DISTRICT COUNCIL Y/88/16/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: I R Gibbs Licence Number: 10/41/542011 Permit Version: 100 Location: Points C&D At Ryebank Rife,Middleton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: For Spray Irrigation Within Land Bodly Marked Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NW (S)	1184	3	498000 101370
	Water Abstractions Operator: I R Gibbs Licence Number: 10/41/542011 Permit Version: 100 Location: Points A&B At Ryebank Rife,Middleton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 4550 Details: For Spray Irrigation Within Land Bodly Marked Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1344	3	497800 101250
	Water Abstractions Operator: Keith Langmead Ltd Licence Number: 10/41/412007 Permit Version: 101 Location: Wicks Farm, Ford Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 June Authorised End: 30 September Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1360	3	498790 103930
	Water Abstractions Operator: Mr A C Langmead Esq Licence Number: 10/41/412007 Permit Version: 100 Location: Wicks Farm, Ford Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 June Authorised End: 30 September Permit Start Date: 30th May 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SE (NE)	1360	3	498790 103930

ARUN DISTRICT COUNCIL Y/88/16/OUT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tarmac Ltd Licence Number: 27/198 Permit Version: 1 Location: Ford Industrial Estate, Arundel Authority: Environment Agency, Southern Region Abstraction: Construction: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Outlined In Black On Attached Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NE (NE)	1520	3	499530 103390
	Water Abstractions Operator: Tarmac Heavy Building Materials Ltd Licence Number: 27/196 Permit Version: 1 Location: Ford Industrial Estate, Arundel Authority: Environment Agency, Southern Region Abstraction: Construction: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Outlined On Licence Map Authorised Start: 13 March Authorised End: 31 December Permit Start Date: 13th March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NE (NE)	1520	3	499530 103390
	Water Abstractions Operator: Adviserate T/A Southdown Flowers Licence Number: 412002 Permit Version: Not Supplied Location: Adviserate Limited Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 68 Yearly Rate (m3): 18181 Details: Todhurst Rife (Trib Arun) 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)	1589	3	498000 104400
	Water Abstractions Operator: Mr J L Baird Licence Number: 10/41/542009 Permit Version: 100 Location: Point A At New Barn, Climping 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: Water Abstracted Shall Be Used On Area Outlined In Red On The Said Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5SW (SE)	1656	3	499260 101290

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr A Langmead Licence Number: 10/41/412004 Permit Version: 100 Location: Wicks Farm, Yapton 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 April Authorised End: 31 March Permit Start Date: 2nd April 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1683	3	499330 103910
	Water Abstractions Operator: James D Baird (Home Farm) Ltd Licence Number: 10/41/411016 Permit Version: 101 Location: Elmer Rife Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5SW (SE)	1747	3	499270 101180
	Water Abstractions Operator: Mr R Lonsdale Licence Number: 10/41/542008 Permit Version: 101 Location: Point A At Tile Barn Farm,Barnham Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings In The Occupation Of The Licence Holder At Tile Barn Farm Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 17th January 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1764	3	496460 103690
	Water Abstractions Operator: Mr R Lonsdale Licence Number: 10/41/542008 Permit Version: 100 Location: Point A At Tile Barn Farm,Barnham Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings In The Occupation Of The Licence Holder At Tile Barn Farm Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 14th January 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1764	3	496460 103690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 10/41/541002 Permit Version: 100 Location: Point 3 At Shripney Farm & Flansham Farm 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: Water Abstracted Shall Be Used On Land And Buildings In The Occupation Of The Licence Holder At Shripney And Flansham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NW (SW)	1768	3	496680 101460
	Water Abstractions Operator: Fresh Acres Nurseries Ltd Licence Number: 10/41/412002 Permit Version: 100 Location: Todhurst Rife At Yapton Lane, Walberton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 68 Yearly Rate (m3): 18181.6 Details: See Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1788	3	497730 104580
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 10/41/541002 Permit Version: 100 Location: Point 2 At Shripney Farm & Flansham Farm 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: Water Abstracted Shall Be Used On Land And Buildings In The Occupation Of The Licence Holder At Shripney And Flansham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6SW (SW)	1803	3	496440 101760
	Water Abstractions Operator: Langmead Farms Ltd Licence Number: 27/209 Permit Version: 1 Location: Ryebank Rife, Point A - Bilsham Authority: Environment Agency, Southern Region Abstraction: General Agriculture: 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: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SW)	1817	3	496390 101830

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Langmead Farms Ltd Licence Number: 27/209/R01 Permit Version: 1 Location: Ryebank Rife, Point A - Bilsham Authority: Environment Agency, Southern Region Abstraction: General Agriculture: 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: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SW)	1835	3	496359 101855
	Water Abstractions Operator: Keith Langmead Ltd Licence Number: 27/190 Permit Version: 102 Location: Point A On Binstead Rife, Wicks Farm, Yapton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: 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: Shown Outlined In Red On Licence Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 4th December 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1887	3	498810 104510
	Water Abstractions Operator: Keith Langmead Ltd Licence Number: 27/190 Permit Version: 101 Location: Point A On Binstead Rife, Wicks Farm, Yapton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: 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: Shown Outlined In Black On Licence Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1887	3	498810 104510
	Water Abstractions Operator: A.C. Langmead Ltd Licence Number: 27/190 Permit Version: 100 Location: Point A On Binstead Rife, Wicks Farm, Yapton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: 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: Shown Outlined In Black On Licence Map Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th August 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1887	3	498810 104510

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Star Nurseries Ltd Licence Number: 27/176 Permit Version: 100 Location: Todhurst Rife At Star Nurseries, Barnham Authority: Environment Agency, Southern Region Abstraction: Horticulture and Nurseries: Spray Irrigation - Spray Irrigation Definition Order Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Outlined On Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1911	3	497700 104700
	Water Abstractions Operator: James D Baird (Home Farm) Ltd Licence Number: 10/41/411016 Permit Version: 101 Location: Ryebank Rife - New Reach Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1961	3	496190 101940
	Water Abstractions Operator: Eric Wall Holdings Ltd Licence Number: 10/41/542208 Permit Version: 100 Location: Point B, Lake Lane,Barnham Authority: Environment Agency, Southern Region Abstraction: Horticulture And Nurseries: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Water Abstracted Shall Only Be Used On Land And Buildings On The Occupation Of The Licence Holder At Lake Lane,Barnham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NW)	1976	3	497110 104580
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13SW (W)	0	3	498090 102675
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13NW (N)	0	3	498097 102768
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (W)	0	2	498090 102675
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	2	498090 102675
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
14	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	312	3	497676 102806
15	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: Bilsham Ditch Water Course Reference: N417	A12NE (W)	316	3	497672 102802
16	**Detailed River Network Lines** River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	380	3	497612 102860
17	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: Bilsham Ditch Water Course Reference: N417	A12NE (W)	383	3	497613 102734
18	**Detailed River Network Lines** River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	406	3	497582 102819

ARUN DISTRICT COUNCIL Y/88/16/OUT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	406	3	497582 102819
20	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NW (S)	453	3	497937 102144
21	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: B07 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	485	3	497510 102727
22	**Detailed River Network Lines** River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (W)	485	3	497510 102727
23	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SW (SW)	0	3	498047 102609
24	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SE (E)	3	3	498213 102625
25	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SE (SE)	4	3	498200 102592
26	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SW (SW)	17	3	498034 102573
27	**Detailed River Network Offline Drainage** River Type: Secondary River Hydrographic Area: D007	A13SW (SW)	42	3	498024 102550
28	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SE (SE)	105	3	498209 102442
29	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SW (S)	176	3	497986 102420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A13SW (SW)	216	3	497911 102415
31	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A8NE (S)	231	3	498228 102316
32	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A14SW (E)	251	3	498460 102594
33	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A8NW (SW)	351	3	497836 102303
34	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D007	A18SE (NE)	435	3	498364 103104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**Historical Landfill Sites** Licence Holder: A C Langmead Location: Yapton, Sussex Name: Disused Canal at Yapton Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20084 First Input Date: 31st December 1980 Last Input Date: 26th March 1981 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8018 BGS Ref: Not Supplied Other Ref: WD27/243, WD13/66	A18SE (NE)	433	3	498308 103137
36	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Barnham, Sussex Name: Disused Canal at Barnham Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20083 First Input Date: 31st December 1970 Last Input Date: 31st December 1970 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8225 BGS Ref: Not Supplied Other Ref: WD27/023	A17NW (NW)	845	3	497375 103390
37	**Licensed Waste Management Facilities (Locations)** Licence Number: 19754 Location: Jones And Co, Burndell Road, Yapton, West Sussex, BN18 0HP Operator Name: Jones P H Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Issued** Issued: 31st March 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 100m	A14NW (E)	333	3	498500 102800
38	**Licensed Waste Management Facilities (Locations)** Licence Number: 100156 Location: Northwood Farm (Hanger No8), Burndell Road, Yapton, West Sussex, BN18 0HR Operator Name: T J Waste & Recycling Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Modified** Issued: 28th January 2008 Last Modified: 27th July 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	384	3	498471 102930

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Licensed Waste Management Facilities (Locations)** Licence Number: 401195 Location: The Factory, Ford Airfield Ind Estate, Rollaston Park, Yapton, BN18 0HY Operator Name: H D White Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Metal recycling, vehicle storage, depollution **Licence Status: Issued** Issued: 14th February 2014 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	A19SE (NE)	882	3	498943 103132
	Local Authority Landfill Coverage Name: Arun District Council - Has no landfill data to supply		0	5	498090 102675
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		0	6	498090 102675
40	**Local Authority Recorded Landfill Sites** Location: Old Canal, East Of Downview Road, Yapton Reference: Y/50/79 Authority: West Sussex County Council, Environment & Development **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A18SE (NE)	534	6	498400 103200
41	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SW (N)	218	-	498029 103025
42	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18SE (N)	309	-	498176 103069
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A13NW (NW)	6	-	498072 102684
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A13NW (W)	213	-	497777 102787
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A12NE (W)	289	-	497699 102811
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A12NE (W)	326	-	497664 102775
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A9NW (SE)	357	-	498441 102303
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A14NW (E)	390	-	498583 102750
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A9NW (SE)	578	-	498671 102245
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A9NW (SE)	580	-	498675 102248
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9NW (SE)	594	-	498667 102209

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A17SE (NW)	624	-	497652 103335
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9NE (SE)	779	-	498924 102313
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A14SE (E)	823	-	499016 102454
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1913	A9SW (SE)	954	-	498614 101694
56	**Registered Landfill Sites** Licence Holder: A C Langmead Licence Reference: 5/AP/79 Site Location: Disused Chichester/Arundel Canal, North Of Burndell Road, Yapton, Arundel, West Sussex Licence Easting: 498400 Licence Northing: 103160 Operator Location: Wicks Farm, Yapton, Arundel, West Sussex Authority: Environment Agency - Southern Region, Sussex 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: 10th December 1979 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 $ Prohibited Waste: Contaminated Rubble Contaminated Soil	A18SE (NE)	501	3	498400 103160
57	**Registered Waste Treatment or Disposal Sites** Licence Holder: P Hill Jones Licence Reference: WSX/L1/0052/1 Site Location: Jones & Co, Burndell Road, Yapton, Arundel, West Sussex, Bn18 0hp Operator Location: 148 Barnham Road, BOGNOR REGIS, West Sussex, PO22 0EH Authority: Environment Agency - Southern Region, Sussex Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 31st March 1994 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Elec/Electronic Compts/Fitt/Fixt/Apps Empty Used Containers > 25 L Lead/Acid Batteries Max.Waste Permitted By Licence Scrap Metal Prohibited Waste: Asbestos Metallic Powders Pcb'S And Analogues Percussive/Explosive/Similar Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Sub'S Control. Radioactive Subs Act'60 Waste N.O.S. Waste React.Violently W/ Water Or Air	A13NE (NE)	313	3	498300 103000

ARUN DISTRICT COUNCIL Y/88/2017/C

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Registered Waste Treatment or Disposal Sites				
58	Licence Holder: Landtech International Ltd Licence Reference: 5/BZ/92 Site Location: South West Of Yapton Road, Ford Airfield, Ford, Arundel, West Sussex Operator Location: Landtech House, Farren Court, Cowfold, HORSHAM, West Sussex, RH13 8BP Authority: Environment Agency - Southern Region, Sussex Area Site Category: Composting 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: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Unknown Boundary Quality: Not Supplied Authorised Waste: Any Waste Approved By Licensing Auth. Grass Cuttings,Leaves,Branches,Plants Max.Storage Unprocessed Waste Otheswaste Norm'Y Assoc. Park/Garden Similar From Parks & Gardens	A14SW (E)	405	3	498609 102549

ARUN DISTRICT COUNCIL Y/[illegible]/OUT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13SW (W)	0	2	498090 102675
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	0	2	498090 102675
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (W)	0	2	498000 102675
59	**BGS Recorded Mineral Sites** Site Name: Burndell Brick Yard Location: , Yapton, Arundel, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157582 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	301	2	497877 103090
60	**BGS Recorded Mineral Sites** Site Name: Burndell Brick Field Location: , Yapton, Arundel, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157583 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SE (N)	357	2	498190 103111
	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: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675
	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	A13SW (W)	0	2	498090 102675
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	2	498090 102675

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	**Contemporary Trade Directory Entries** Name: Ayrlect Associates Location: 23, Cherry Avenue, Yapton, Arundel, West Sussex, BN18 0LB Classification: Electrical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	60	-	497998 102649
62	**Contemporary Trade Directory Entries** Name: Maison Belles Location: 8, Fairholme Drive, Yapton, Arundel, West Sussex, BN18 0JH Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	70	-	498161 102798
62	**Contemporary Trade Directory Entries** Name: K S W Vehicle Inspections Location: 21, Fairholme Drive, Yapton, Arundel, West Sussex, BN18 0JH Classification: Vehicle Inspection Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	98	-	498199 102795
63	**Contemporary Trade Directory Entries** Name: Mowercare Location: Unit 14,Bilsham Ind Est, Yapton, Arundel, West Sussex, BN18 0JN Classification: Lawnmowers & Garden Machinery - Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	95	-	497970 102712
64	**Contemporary Trade Directory Entries** Name: P & H Plumbing & Heating Location: 10, Park Road, Yapton, Arundel, West Sussex, BN18 0JE Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	223	-	498146 102983
65	**Contemporary Trade Directory Entries** Name: Klean It Division Ltd Location: 32, Taylors Close, Yapton, Arundel, West Sussex, BN18 0FN Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	263	-	497868 102389
66	**Contemporary Trade Directory Entries** Name: Obsessive Cleaning Divas Location: 6, Cobham Close, Yapton, Arundel, West Sussex, BN18 0LF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	283	-	497718 102892
66	**Contemporary Trade Directory Entries** Name: O C D 2015 Ltd Location: 6, Cobham Close, Yapton, Arundel, West Sussex, BN18 0LF Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	283	-	497718 102892
67	**Contemporary Trade Directory Entries** Name: Sfp Location: 9, Canal Road, Yapton, Arundel, West Sussex, BN18 0HA Classification: Engineering Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	295	-	497801 103037
68	**Contemporary Trade Directory Entries** Name: Diamond Location: 24, Canal Road, Yapton, Arundel, West Sussex, BN18 0HD Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	300	-	497746 102985
68	**Contemporary Trade Directory Entries** Name: Diamond Carpet & Upholstery Cleaning Services Location: 24, Canal Road, Yapton, Arundel, West Sussex, BN18 0HD Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	300	-	497746 102985
69	**Contemporary Trade Directory Entries** Name: Barnly Engineering Location: Kings Close, Yapton, Arundel, West Sussex, BN18 0EX Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	305	-	497990 103116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	**Contemporary Trade Directory Entries** Name: Access Scaffolding Location: 3, Ryebank Walk, Burndell Road, Yapton, Arundel, West Sussex, BN18 0FJ Classification: Scaffolding & Work Platforms **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	313	-	498257 103028
71	**Contemporary Trade Directory Entries** Name: R & D Ayling Location: Unit 13, Bilsham Road, Yapton, Arundel, West Sussex, BN18 0JN Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	325	-	497780 102395
71	**Contemporary Trade Directory Entries** Name: Felpham Mowers Location: Unit 9, Bilsham Road, Yapton, ARUNDEL, West Sussex, BN18 0JN Classification: Lawnmowers & Garden Machinery - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	329	-	497792 102372
71	**Contemporary Trade Directory Entries** Name: Hydro Art Location: Unit 9, Bilsham Road, Yapton, Arundel, West Sussex, BN18 0JN Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	329	-	497792 102372
72	**Contemporary Trade Directory Entries** Name: Yapton Metal Co Location: Wayside, Burndell Road, Yapton, Arundel, West Sussex, BN18 0HP Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	330	-	498331 102996
72	**Contemporary Trade Directory Entries** Name: Burndell Location: Wayside, Burndell Road, Yapton, Arundel, West Sussex, BN18 0HP Classification: Salvage Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	330	-	498331 102996
73	**Contemporary Trade Directory Entries** Name: Southdown Tractors Location: Burndell Road, Yapton, ARUNDEL, West Sussex, BN18 0HR Classification: Agricultural Machinery - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	375	-	498583 102578
73	**Contemporary Trade Directory Entries** Name: T J Waste & Recycling Location: Burndell Road, Yapton, Arundel, BN18 0HR Classification: Tyre Disposal **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	375	-	498583 102578
74	**Contemporary Trade Directory Entries** Name: Ryan Cars Ltd Location: Burndell Rd, Yapton, Arundel, West Sussex, BN18 0HP Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	437	-	498546 102924
75	**Contemporary Trade Directory Entries** Name: Arun Pest Control Service Location: 23, Briar Close, Church Road, Yapton, Arundel, West Sussex, BN18 0ES Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	478	-	497930 103285
76	**Contemporary Trade Directory Entries** Name: Smiths Electrical Location: 54, Fordwater Gardens, Yapton, Arundel, West Sussex, BN18 0HU Classification: Washing Machines - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	515	-	498628 102943
77	**Contemporary Trade Directory Entries** Name: G S Auto Recovery Location: Main Road, Yapton, Arundel, West Sussex, BN18 0EA Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A17SE (NW)	636	-	497581 103297

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Contemporary Trade Directory Entries** Name: Reptune Motors Location: Main Road, Yapton, Arundel, West Sussex, BN18 0EA Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A17SE (NW)	636	-	497581 103297
78	**Contemporary Trade Directory Entries** Name: Bravura Services Ltd Location: Burndell Road, Yapton, Arundel, West Sussex, BN18 0HR Classification: Clay & Clay Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	678	-	498884 102545
79	**Contemporary Trade Directory Entries** Name: John Hyams Location: 18, Johnson Way, Ford, Arundel, West Sussex, BN18 0TD Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	725	-	498904 102850
80	**Contemporary Trade Directory Entries** Name: Arun Forktrucks Ltd Location: Oaktrees, Bilsham Road, Yapton, Arundel, West Sussex, BN18 0JY Classification: Fork Lift Trucks **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	738	-	497677 101945
80	**Contemporary Trade Directory Entries** Name: Hyams Autolift Location: Little Meadow, Bilsham Road, Yapton, Arundel, West Sussex, BN18 0JY Classification: Fork Lift Trucks **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	767	-	497634 101938
80	**Contemporary Trade Directory Entries** Name: Hyams Autolift Location: Little Meadow, Bilsham Road, Yapton, Arundel, West Sussex, BN18 0JY Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	767	-	497634 101938
81	**Contemporary Trade Directory Entries** Name: Southdown Circuits Ltd Location: Unit E1, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Classification: Printed Circuit Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	804	-	498907 103038
81	**Contemporary Trade Directory Entries** Name: J J B Wire Location: Block D1, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Coating Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	831	-	498927 103056
81	**Contemporary Trade Directory Entries** Name: Sussex Jag Centre Location: Unit 4d Ford Airfield Indust Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	832	-	498940 103034
81	**Contemporary Trade Directory Entries** Name: A J P Autos Ltd Location: Unit D3, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	832	-	498937 103042
81	**Contemporary Trade Directory Entries** Name: Sussex Jag Centre Location: D4, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	833	-	498940 103036

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**Contemporary Trade Directory Entries** Name: Airfield Crash Repairs Ltd Location: Ford Airfield Ind Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	837	-	498915 103090
82	**Contemporary Trade Directory Entries** Name: Byjingham Location: Ford Airfield Ind Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	867	-	498960 103072
82	**Contemporary Trade Directory Entries** Name: Antplace Plastics Location: C9, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Plastics - Vacuum Forming **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	869	-	498943 103107
82	**Contemporary Trade Directory Entries** Name: Palletways Location: Ford Airfield Ind Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	873	-	498963 103080
83	**Contemporary Trade Directory Entries** Name: Ocean Clean Location: 20, Sproule Close, Ford, Arundel, West Sussex, BN18 0NX Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	838	-	499017 102865
84	**Contemporary Trade Directory Entries** Name: Southern Drilling Services Ltd Location: C2,Ford Airfield Ind Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Drilling & Boring Equipment & Supplies **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	854	-	498914 103124
84	**Contemporary Trade Directory Entries** Name: Ford Electro Plating Ltd Location: Block B4, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Metal Finishing Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	855	-	498874 103183
84	**Contemporary Trade Directory Entries** Name: Greenhill Finishers Location: Block A4, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Powder Coatings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	855	-	498915 103125
84	**Contemporary Trade Directory Entries** Name: Arun Circuits Ltd Location: Block A4, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Printed Circuit Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	855	-	498915 103125
84	**Contemporary Trade Directory Entries** Name: Tarmac Topblock Ltd Location: Block A4, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Concrete Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	855	-	498915 103125
84	**Contemporary Trade Directory Entries** Name: Classic Mantels Location: Block B2, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	868	-	498902 103167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**Contemporary Trade Directory Entries** Name: Besmoke Ltd Location: Unit B1, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	869	-	498891 103185
84	**Contemporary Trade Directory Entries** Name: Besmoke Location: Unit B1, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	874	-	498888 103197
85	**Contemporary Trade Directory Entries** Name: Murray Equipment Location: Unit C1, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Classification: Medical Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	869	-	498927 103133
85	**Contemporary Trade Directory Entries** Name: C L S Laundry Ltd Location: Unit C1, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	869	-	498927 103133
85	**Contemporary Trade Directory Entries** Name: B D Mantels Ltd Location: Unit B2 Ford Airfield Indust Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	880	-	498943 103128
85	**Contemporary Trade Directory Entries** Name: Adur Ventilation Location: C6, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Ventilators & Ventilation Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	881	-	498944 103129
85	**Contemporary Trade Directory Entries** Name: Arundel Brewery Location: Unit C7, Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Brewers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	896	-	498961 103130
85	**Contemporary Trade Directory Entries** Name: Grundon Waste Management Location: Unit A3 Ford Airfield Industrial Estate,Rollaston Park, Ford, Arundel, West Sussex, BN18 0HY Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	897	-	498968 103119
85	**Contemporary Trade Directory Entries** Name: Euro Louvre Systems Location: Ford Airfield Ind Est, Ford, Arundel, West Sussex, BN18 0HY Classification: Ventilators & Ventilation Systems **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	916	-	498963 103164
85	**Contemporary Trade Directory Entries** Name: H D White Ltd Location: Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Scrap Metal Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	931	-	498991 103148
86	**Contemporary Trade Directory Entries** Name: Equipet Location: North End Rd, Yapton, Arundel, West Sussex, BN18 0DU Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	871	-	497817 103664

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**Contemporary Trade Directory Entries** Name: Express Aftercare Services Location: Unit 5, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	892	-	497980 103703
88	**Contemporary Trade Directory Entries** Name: K T Services Ltd Location: Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	904	-	498995 103087
88	**Contemporary Trade Directory Entries** Name: D R Bailey Transport Ltd Location: Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	943	-	499035 103093
88	**Contemporary Trade Directory Entries** Name: Bleach Of Lavant Location: Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	943	-	499035 103093
89	**Contemporary Trade Directory Entries** Name: Pptek Location: Unit 22, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	921	-	497961 103732
89	**Contemporary Trade Directory Entries** Name: Barnham Car Centre Location: Unit 25, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	928	-	497932 103737
89	**Contemporary Trade Directory Entries** Name: Classic Perfections Location: Unit 25, Orchard Business Park, North End Road, Yapton, Arundel, BN18 0GA Classification: Classic Car Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A23SW (N)	928	-	497932 103737
89	**Contemporary Trade Directory Entries** Name: V & C Auto Sales Location: Unit 11,Orchard Business Park,North End Rd, Yapton, Arundel, West Sussex, BN18 0DS Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	944	-	497978 103755
89	**Contemporary Trade Directory Entries** Name: E M S Animal Feeds Location: Unit 11, Orchard Business Park, North End Road, Yapton, Arundel, BN18 0GA Classification: Pet Foods & Animal Feeds **Status: Active** Positional Accuracy: Automatically positioned to the address	A23SW (N)	946	-	497999 103757
89	**Contemporary Trade Directory Entries** Name: B P S Garden Machinery Ltd Location: Unit 15-16, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Lawnmowers & Garden Machinery - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A23SW (N)	951	-	498002 103762

ARUN DISTRICT COUNCIL Y/88/16/OUT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	**Contemporary Trade Directory Entries** Name: Mailtec Ltd Location: Unit 15, Orchard Business Park, North End Road, Yapton, Arundel, BN18 0GA Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A23SW (N)	956	-	497975 103767
89	**Contemporary Trade Directory Entries** Name: C & W Seals Location: Unit 15-16, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Seal & Joint Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	967	-	497961 103778
89	**Contemporary Trade Directory Entries** Name: Arun Ltd Location: Unit 18, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	967	-	497961 103778
89	**Contemporary Trade Directory Entries** Name: V Dubz R Us Location: Unit 10, Orchard Business Park, North End Road, Yapton, Arundel, West Sussex, BN18 0GA Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A23SW (N)	967	-	497961 103778
90	**Contemporary Trade Directory Entries** Name: Booth Engineering Location: Block A1, Ford Airfield Industrial Estate, Ford, ARUNDEL, West Sussex, BN18 0HY Classification: Sheet Metal Work **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	941	-	498955 103218
91	**Fuel Station Entries** Name: Noble Autos Location: Burndell Road, Yapton, ARUNDEL, West Sussex, BN18 0HP Brand: Proteus Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	330	-	498299 103022
92	**Fuel Station Entries** Name: Central Garage Location: Main Road, Yapton, ARUNDEL, West Sussex, BN18 0EA Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	636	-	497581 103297
93	**Points of Interest - Commercial Services** Name: C K Mobile Mechanics Location: 40 The Millers, Yapton, Arundel, BN18 0LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	269	7	497721 102782
94	**Points of Interest - Commercial Services** Name: Noble Autos Location: Georgedale, Burndell Road, Yapton, Arundel, BN18 0HP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	298	7	498145 103066
95	**Points of Interest - Commercial Services** Name: Yapton Metal Co Location: Wayside, Burndell Road, Yapton, Arundel, BN18 0HP Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13NE (NE)	330	7	498331 102996
96	**Points of Interest - Commercial Services** Name: Arun Pest Control Service Location: 23 Briar Close, Church Road, Yapton, Arundel, BN18 0ES Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A18SW (N)	478	7	497930 103285

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	**Points of Interest - Commercial Services** Name: Arun Pest Control Service Location: 23 Briar Close, Church Road, Yapton, Arundel, BN18 0ES Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A18SW (N)	478	7	497930 103285
97	**Points of Interest - Commercial Services** Name: Ram Westgate Ltd Location: 4 Douglas Close, Ford, Arundel, BN18 0TG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	707	7	498891 102829
98	**Points of Interest - Commercial Services** Name: Hyams Autolift Location: Oaktrees Little Meadow, Bilsham Road, Yapton, Arundel, BN18 0JY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	739	7	497677 101945
98	**Points of Interest - Commercial Services** Name: J Hyams Location: Little Meadow, Bilsham Road, Yapton, Arundel, BN18 0JY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	767	7	497634 101938
98	**Points of Interest - Commercial Services** Name: Premier Car Valeting Location: Little Meadow, Bilsham Road, Yapton, Arundel, BN18 0JY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (SW)	767	7	497634 101938
99	**Points of Interest - Commercial Services** Name: Roberts Transport Location: Unit F5, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SE (NE)	817	7	498894 103088
100	**Points of Interest - Commercial Services** Name: Ajp Autos Ltd Location: D3 Ford Airfield Industrial Estate, Ford, Arundel, West Sussex, BN18 0HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	833	7	498937 103042
100	**Points of Interest - Commercial Services** Name: K T Services Ltd Location: Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	904	7	498995 103087
100	**Points of Interest - Commercial Services** Name: K T Services Ford Ltd Location: Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	904	7	498995 103087
100	**Points of Interest - Commercial Services** Name: Bleach of Lavant Location: Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SE (NE)	943	7	499035 103093
101	**Points of Interest - Commercial Services** Name: Classic Perfections Location: Unit 25 Orchard Business Park, North End Road, Yapton, Arundel, BN18 0GA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SW (N)	928	7	497932 103737

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**Points of Interest - Commercial Services** Name: V Dubz R Us Ltd Location: Unit 10 Orchard Business Park, North End Road, Yapton, Arundel, BN18 0GA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A23SW (N)	967	7	497961 103778
102	**Points of Interest - Commercial Services** Name: H D White Ltd Location: Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A19SE (NE)	931	7	498991 103148
102	**Points of Interest - Commercial Services** Name: John Booth Engineering Ltd Location: Block A1, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A19SE (NE)	941	7	498955 103218
102	**Points of Interest - Commercial Services** Name: Booth Engineering Location: Block A1, Ford Airfield Industrial Estate, Ford, Arundel, BN18 0HY Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A19SE (NE)	941	7	498955 103218
103	**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	A13SW (S)	0	7	498088 102581
103	**Points of Interest - Manufacturing and Production** Name: Works Location: BN18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	0	7	498080 102582
104	**Points of Interest - Manufacturing and Production** Name: Works Location: BN18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	301	7	497974 103111
104	**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	A18SW (N)	302	7	497974 103112
105	**Points of Interest - Manufacturing and Production** Name: Ford Airfield Industrial Estate Location: BN18 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	873	7	498978 103050
106	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Downview Way, BN18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SW (N)	353	7	498089 103150
106	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Main Road, BN18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SW (N)	356	7	498052 103161
106	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	416	7	498088 103215

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	747	7	498920 102869
107	**Points of Interest - Recreational and Environmental** Name: Playground Location: Sproule Close, BN18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NE (E)	747	7	498919 102873

ARUN DISTRICT COUNCIL Y/[illegible]/OUT

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SW (W)	0	9	498090 102675

ARUN DISTRICT COUNCIL Y/[illegible]/DC

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Arun District Council - Environmental Health Department	July 2013	Annual Rolling Update
Chichester District Council - Environmental Health Department	July 2013	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	October 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Southern Region	October 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Arun District Council - Environmental Health Department	December 2014	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Arun District Council - Environmental Health Department	December 2014	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Arun District Council - Environmental Health Department	December 2014	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Southern Region	March 2013	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Southern Region - Solent and South Downs	October 2016	Quarterly
Environment Agency - Southern Region - Sussex Area	October 2016	Quarterly
Water Abstractions		
Environment Agency - Southern Region	October 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	October 2016	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	October 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2016	Quarterly
Flood Defences Environment Agency - Head Office	November 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	September 2014	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

ARUN DISTRICT COUNCIL Y/88/16/OUT

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	January 2017	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Southern Region - Solent and South Downs	August 2016	Quarterly
Environment Agency - Southern Region - Sussex Area	August 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Solent & South Downs Area	October 2016	Quarterly
Environment Agency - Southern Region - Solent and South Downs	October 2016	Quarterly
Environment Agency - Southern Region - Sussex Area	October 2016	Quarterly
Local Authority Landfill Coverage		
Arun District Council - Technical Support Unit	May 2000	Not Applicable
Chichester District Council - Environmental Health Department	May 2000	Not Applicable
West Sussex County Council - Environment & Development	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Arun District Council - Technical Support Unit	May 2000	Not Applicable
Chichester District Council - Environmental Health Department	May 2000	Not Applicable
West Sussex County Council - Environment & Development	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	July 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	September 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Arun District Council - Technical Support Unit	February 2016	Annual Rolling Update
Chichester District Council - Planning Department	February 2016	Annual Rolling Update
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Planning Hazardous Substance Consents		
Arun District Council - Technical Support Unit	February 2016	Annual Rolling Update
Chichester District Council - Planning Department	February 2016	Annual Rolling Update
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update

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

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2016	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	January 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	January 2017	Bi-Annually
Marine Nature Reserves Natural England	January 2017	Bi-Annually
National Nature Reserves Natural England	January 2017	Bi-Annually
National Parks Natural England	August 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	January 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2016	Bi-Annually
Special Areas of Conservation Natural England	January 2017	Bi-Annually
Special Protection Areas Natural England	January 2017	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	[redacted]
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	
4	**Arun District Council - Environmental Health Department** Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	
5	**Arun District Council - Technical Support Unit** Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	
6	**West Sussex County Council - Environment & Development** County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	
7	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	
9	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	
10	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	

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

ARUN DISTRICT COUNCIL Y/[illegible]/DC

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
Sloping Masonry
Electricity Transmission Line
Pole
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

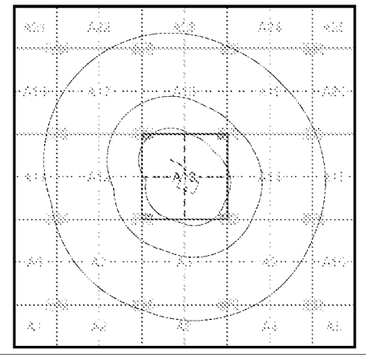
1:10,000 Raster Mapping

Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
Mean high water (springs)
Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
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
Sussex	1:10,560	1879 - 1880	2
Sussex	1:10,560	1899	3
Sussex	1:10,560	1913	4
Sussex	1:10,560	1913	5
Sussex	1:10,560	1913	6
Sussex	1:10,560	1932	7
Sussex	1:10,560	1940 - 1951	8
Historical Aerial Photography	1:10,560	1947	9
Ordnance Survey Plan	1:10,000	1962	10
Ordnance Survey Plan	1:10,000	1967	11
Ordnance Survey Plan	1:10,000	1980	12
Ordnance Survey Plan	1:10,000	1992	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2016	16

Historical Map - Slice A



Order Details

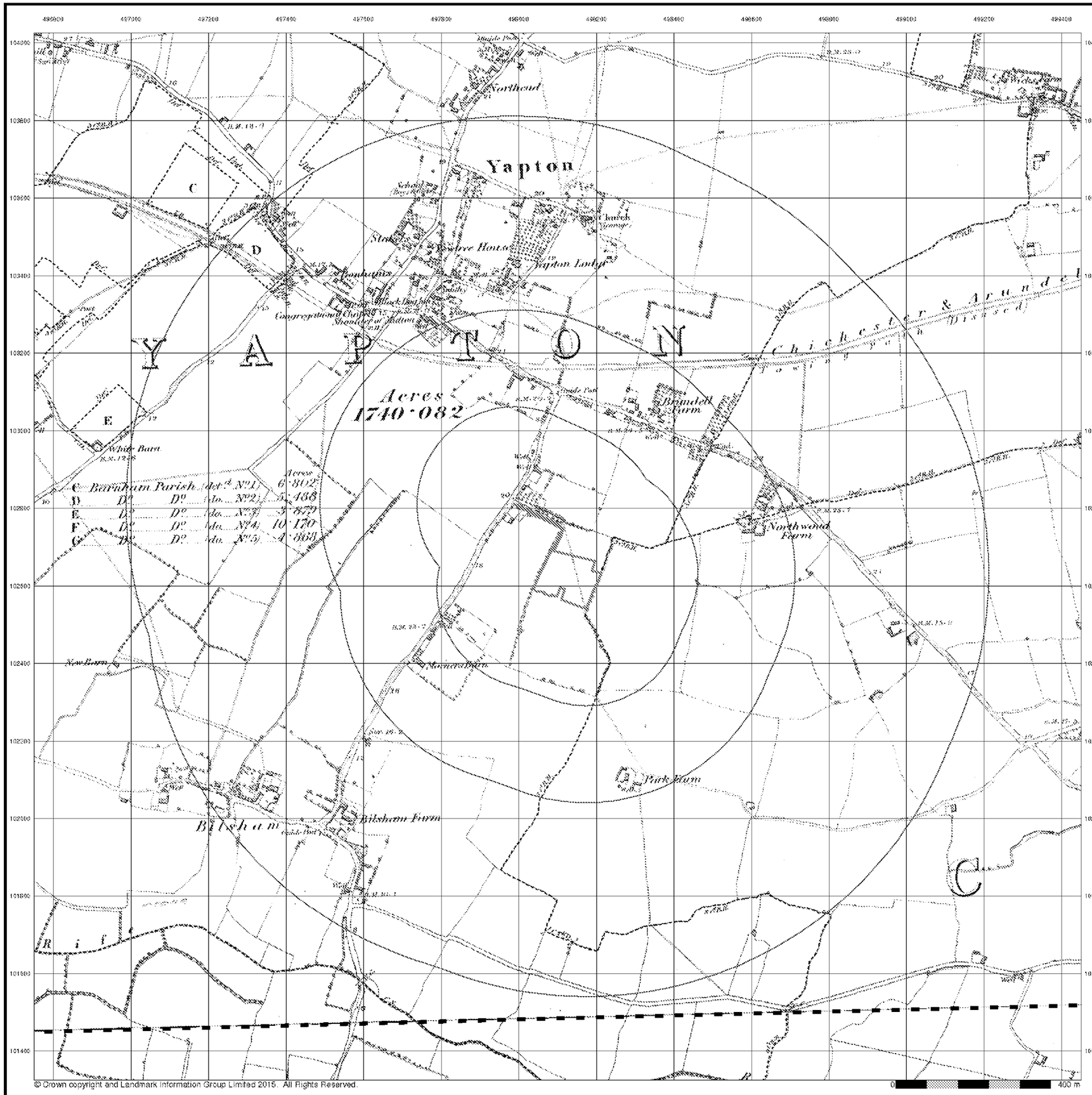
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Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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ARUN DISTRICT COUNCIL Y/55/79/OUT



Geo-Environmental
Sussex
Published 1879 - 1880
Source map scale - 1:10,560

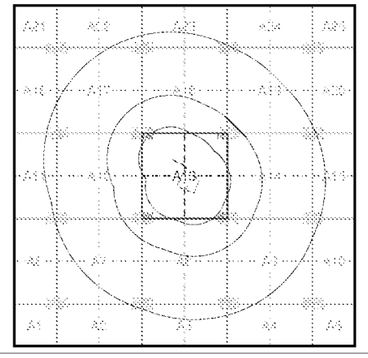
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Map Name(s) and Date(s)

06200
1880
1:10,560

07400
1879
1:10,560

Historical Map - Slice A



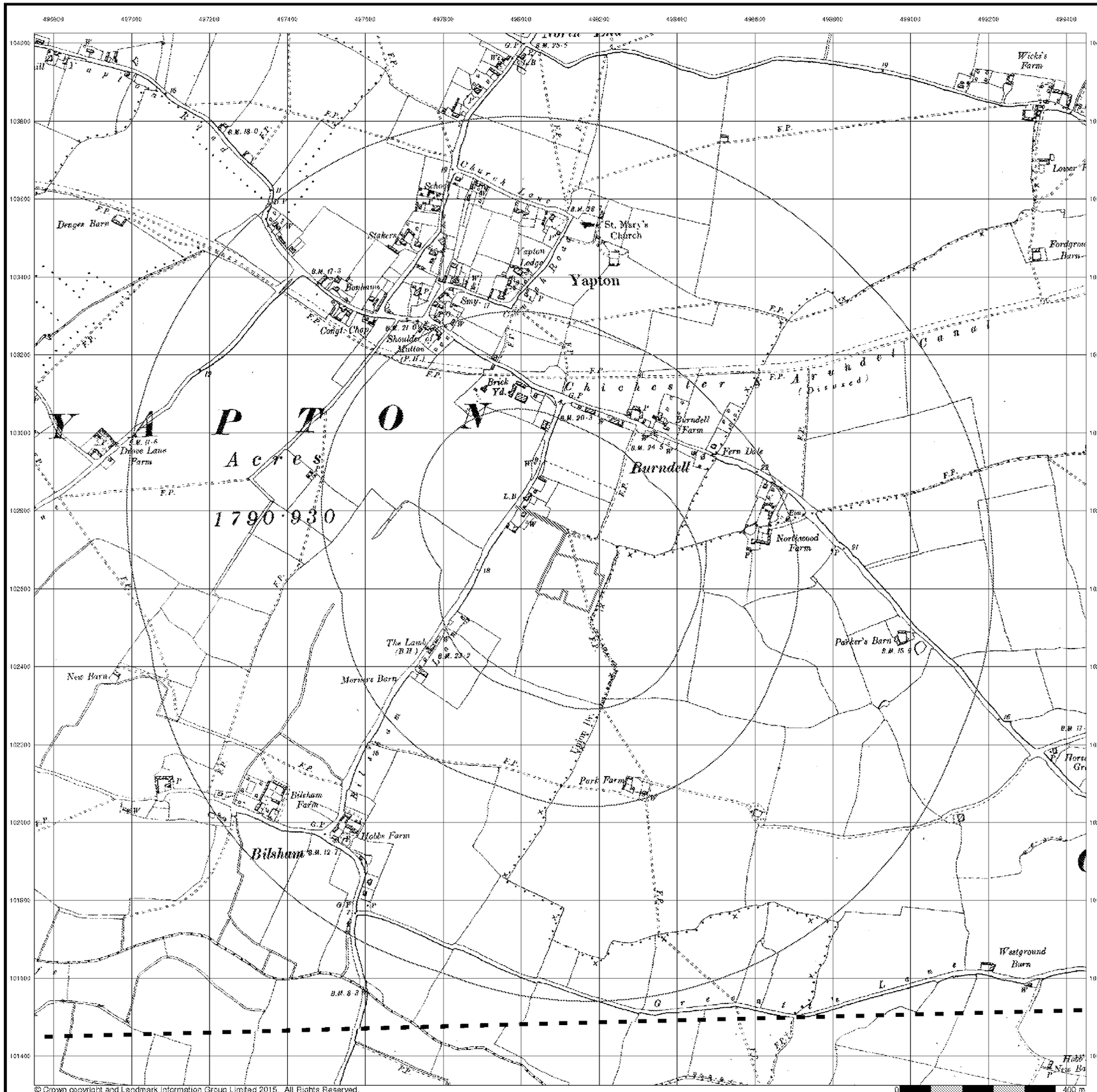
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

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Geo-Environmental

Sussex

Published 1899

Source map scale - 1:10,560

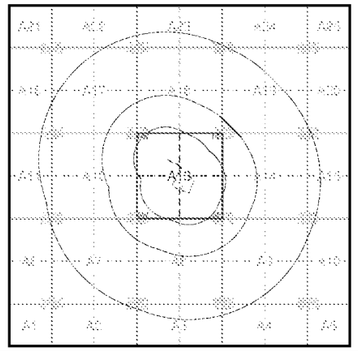
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Map Name(s) and Date(s)

062SE
1899
1:10,560

074NE
1899
1:10,560

Historical Map - Slice A



Order Details

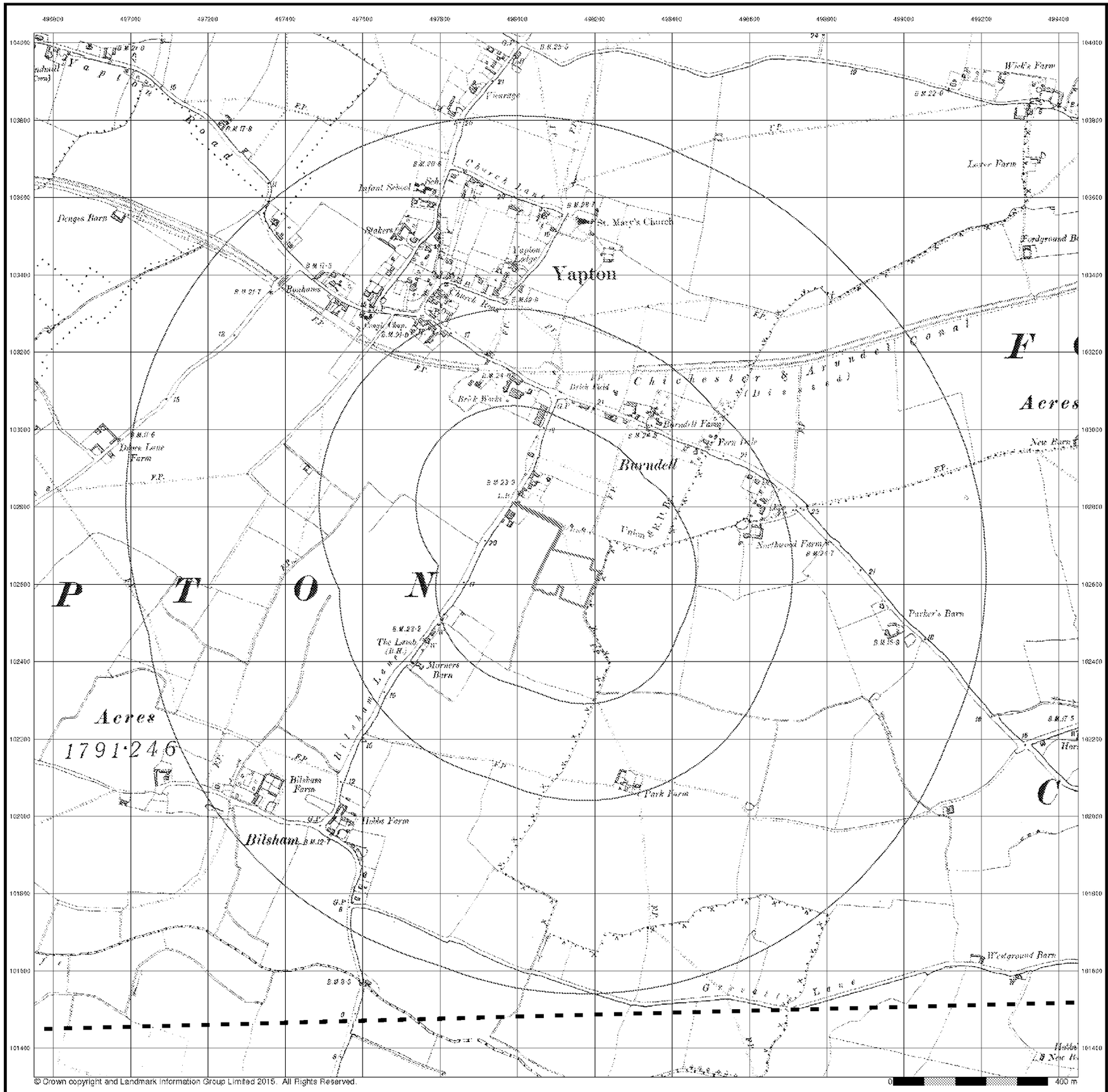
Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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

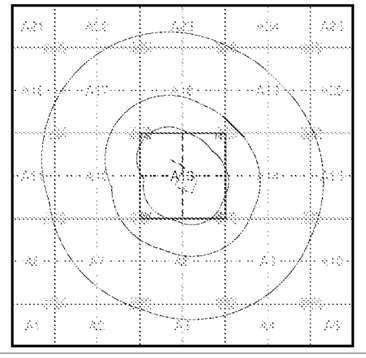
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Map Name(s) and Date(s)

062SE
1913
1:10,560

074NE
1913
1:10,560

Historical Map - Slice A



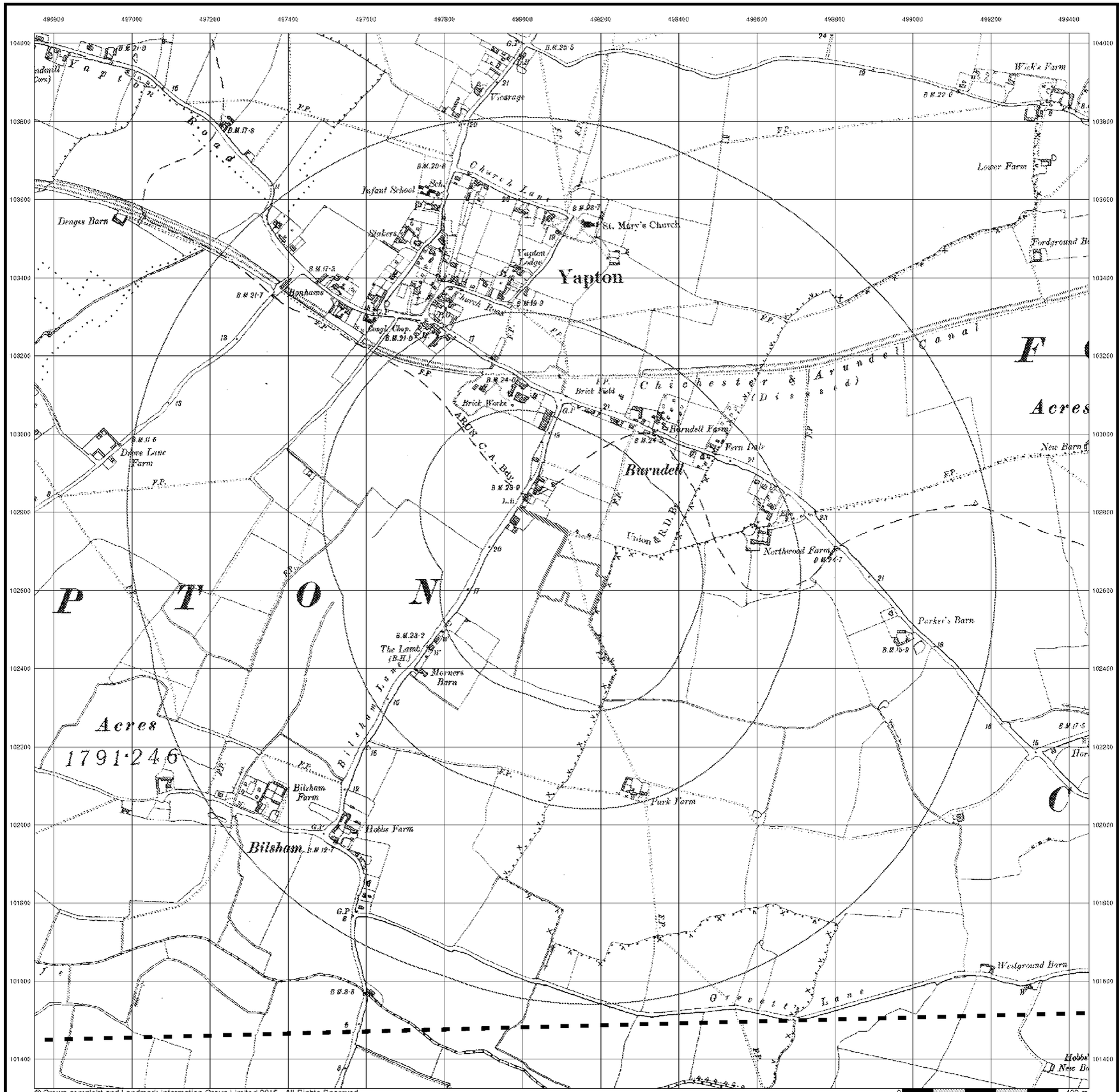
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National Grid Reference:	498090, 102670
Slice:	A
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Search Buffer (m):	1000

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

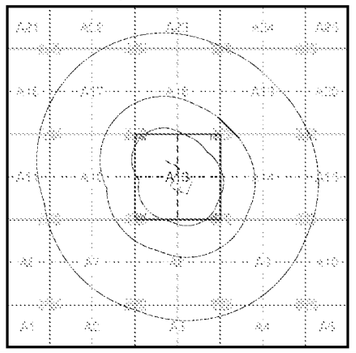
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Map Name(s) and Date(s)

062SE
1913
1:10,560

074NE
1913
1:10,560

Historical Map - Slice A



N

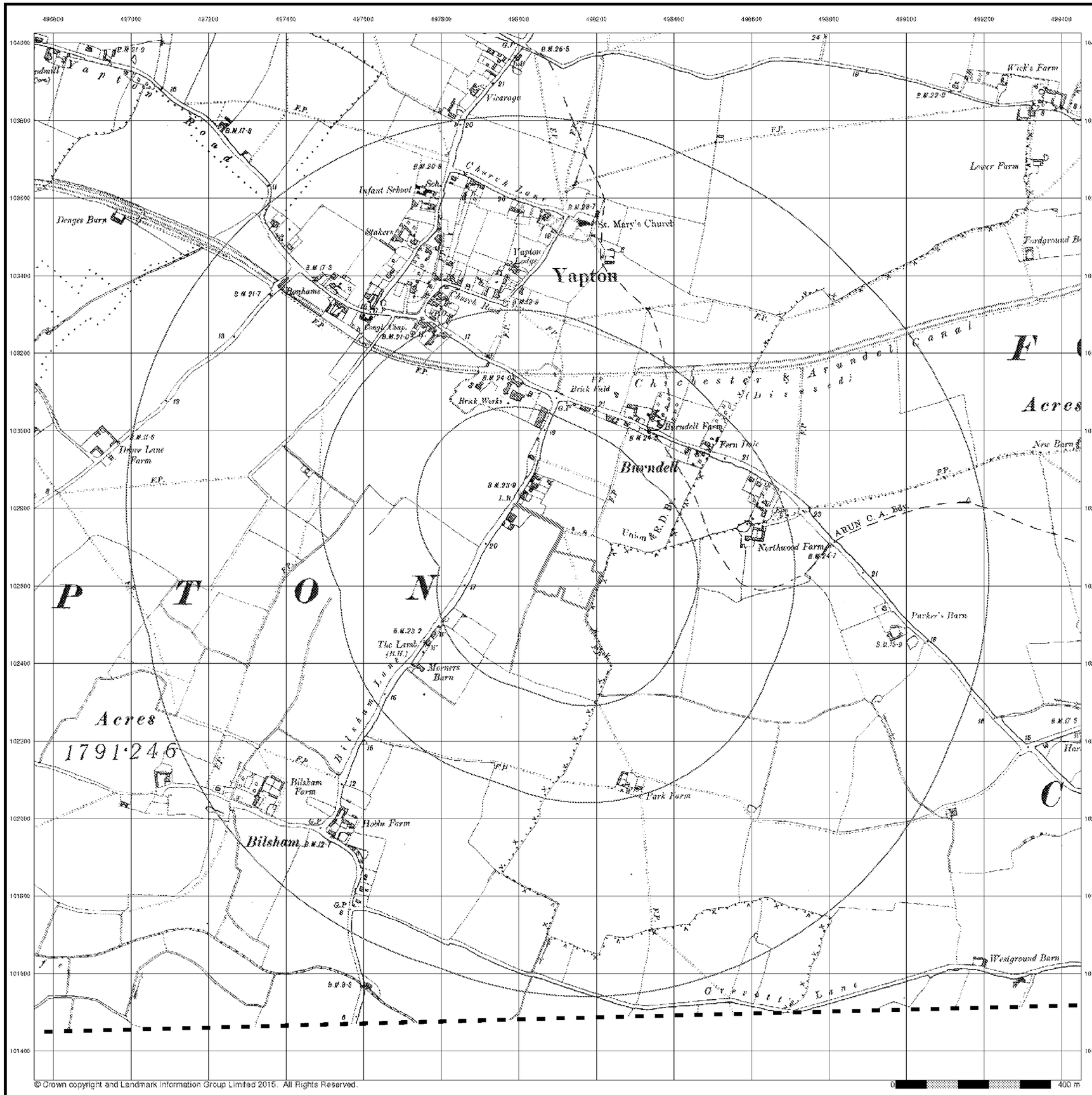
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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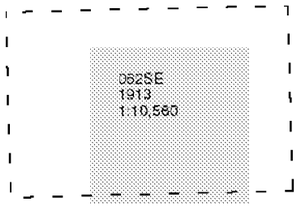
Sussex

Published 1913

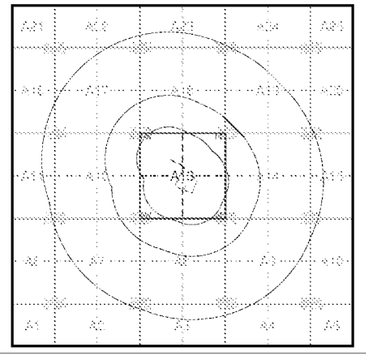
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

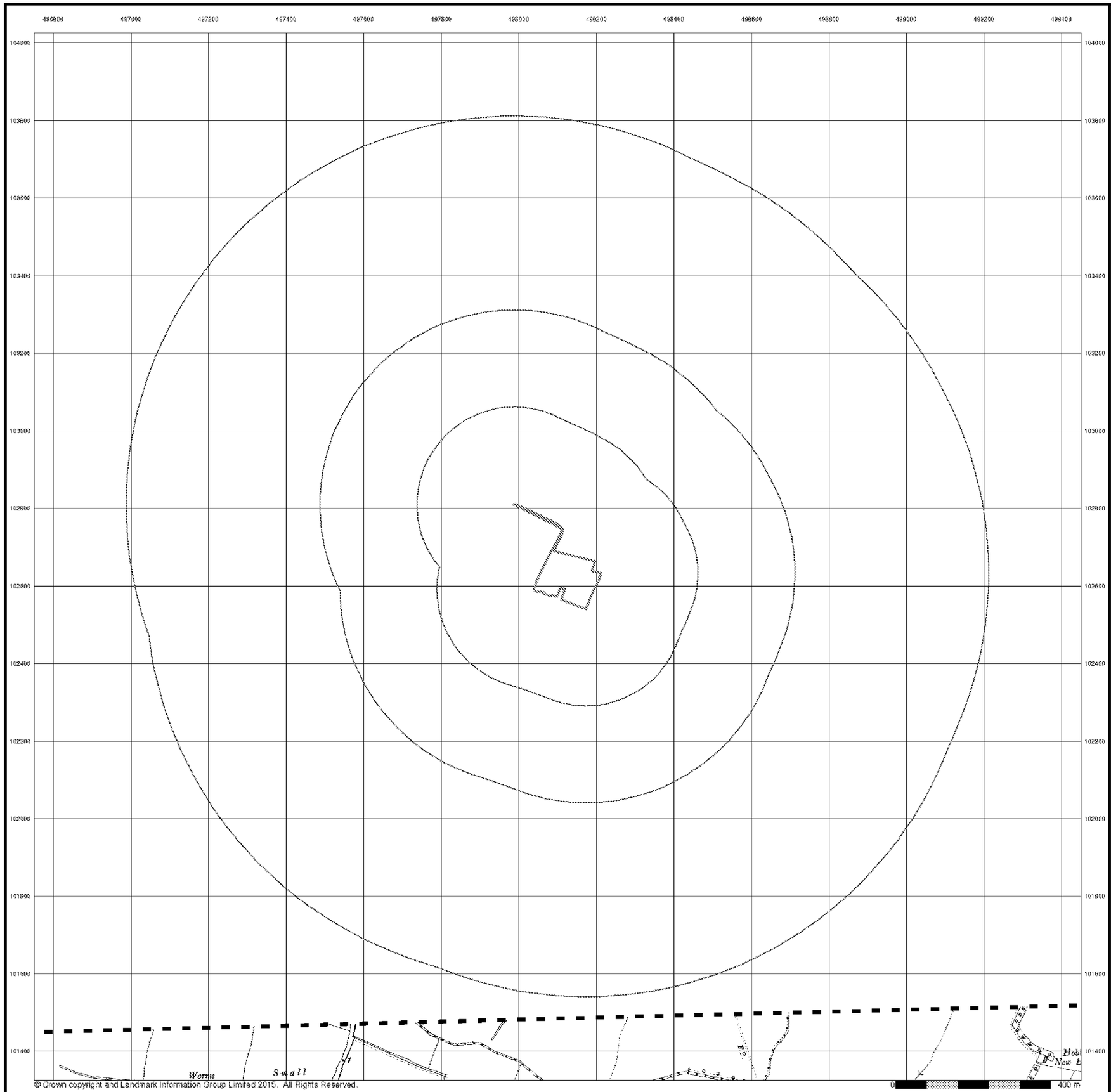
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Search Buffer (m):	1000

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ARUN DISTRICT COUNCIL Y/55/19/OUT



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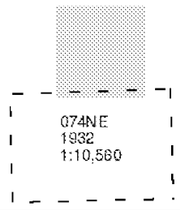
Geo-Environmental
Sussex

Published 1932

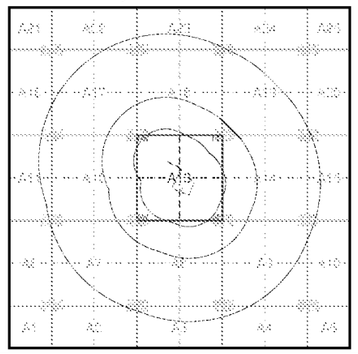
Source map scale - 1:10,560

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



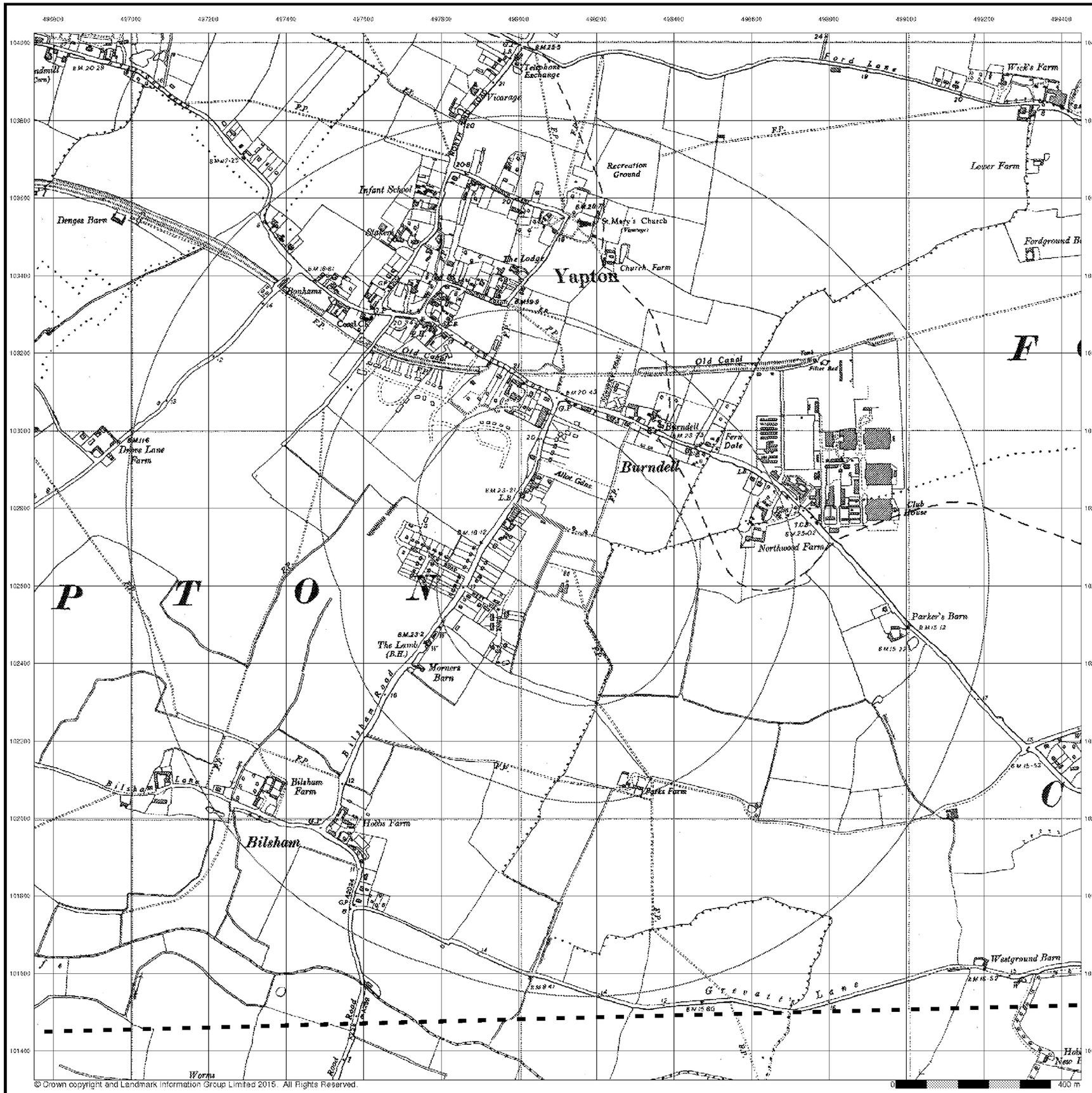
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Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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Geo-Environmental
Sussex

Published 1940 - 1951

Source map scale - 1:10,560

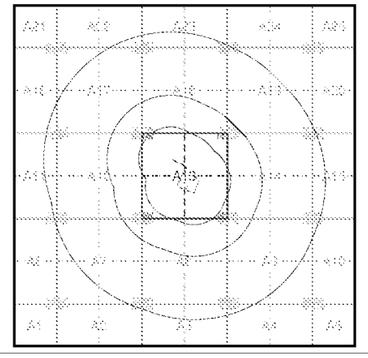
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Map Name(s) and Date(s)

062SE
1951
1:10,560

074NE
1940
1:10,560

Historical Map - Slice A



N

Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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400 m

Geo-Environmental
Historical Aerial Photography
Published 1947
Source map scale - 1:10,560

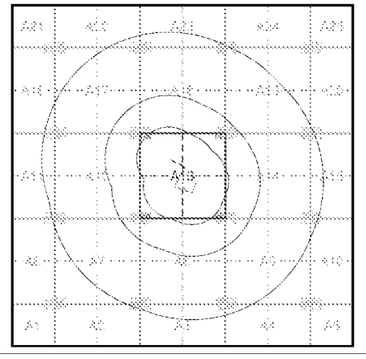
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

SU90SE
1947
1:10,560

Historical Aerial Photography - Slice A



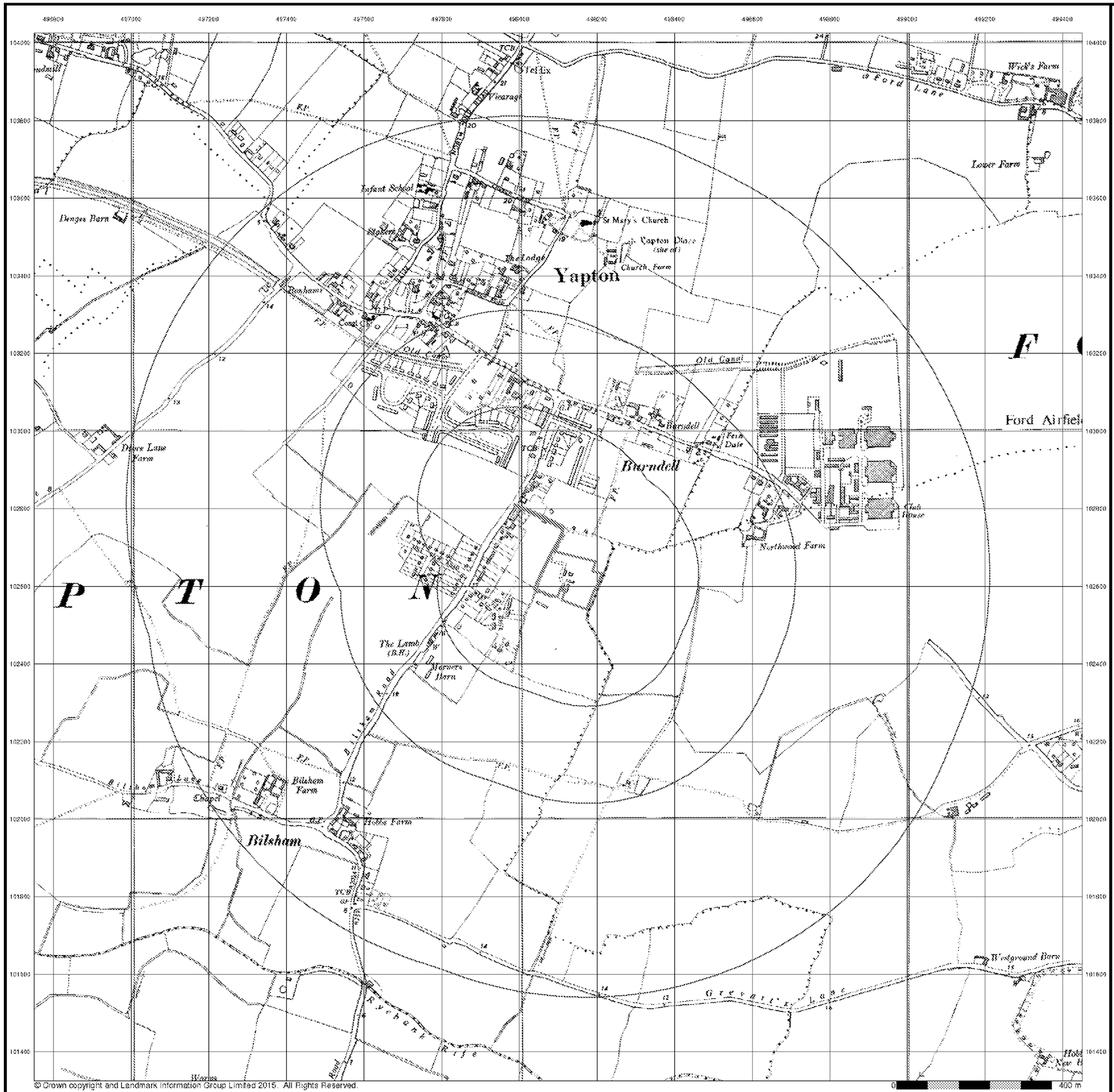
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Search Buffer (m):	1000

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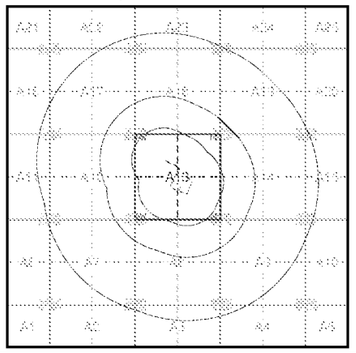
Geo-Environmental
Ordnance Survey Plan
Published 1962
Source map scale - 1:10,000

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)

SU90SE
1962
1:10,560

Historical Map - Slice A



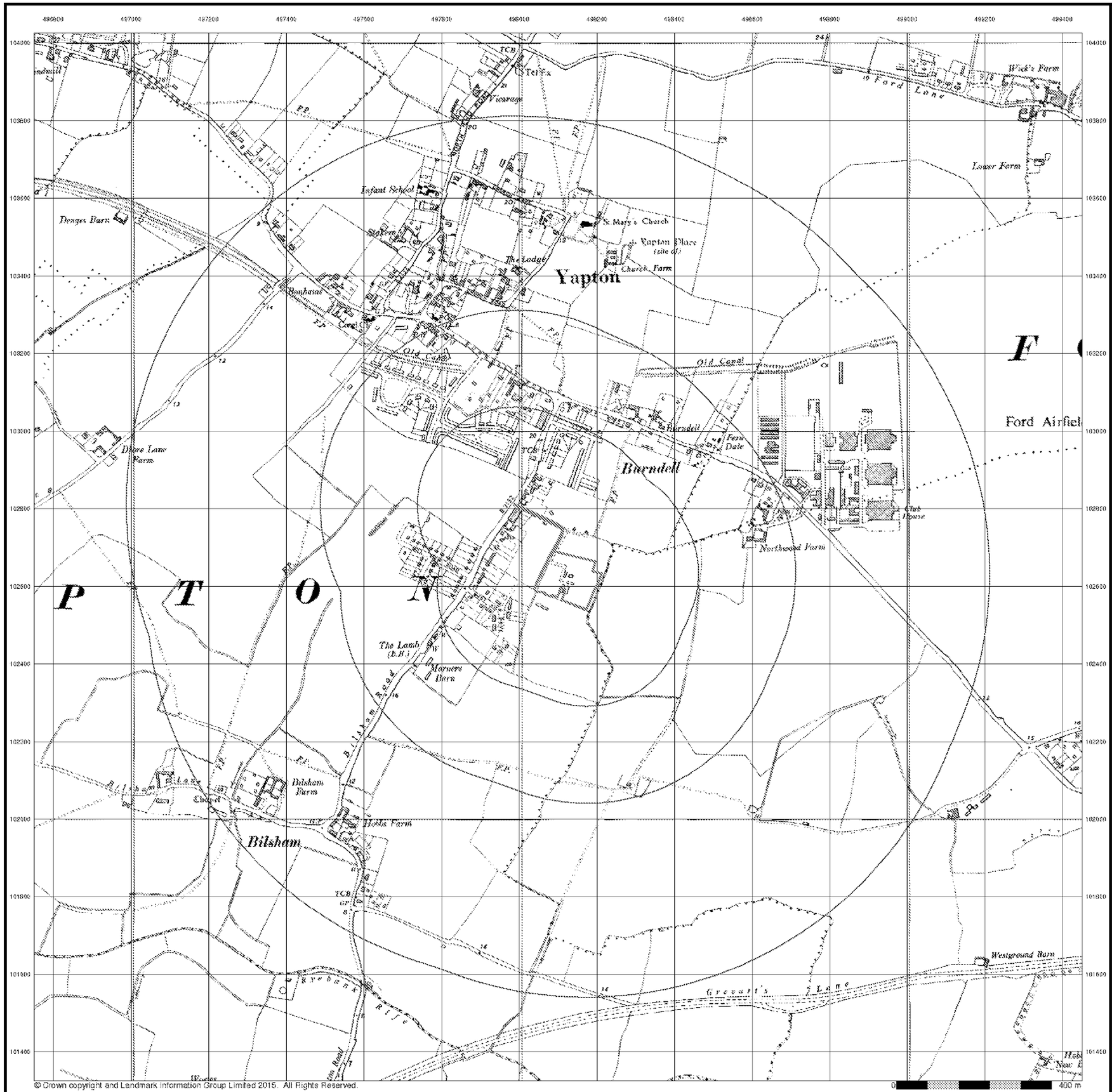
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Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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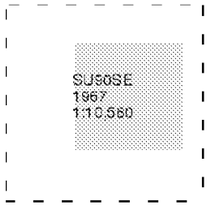


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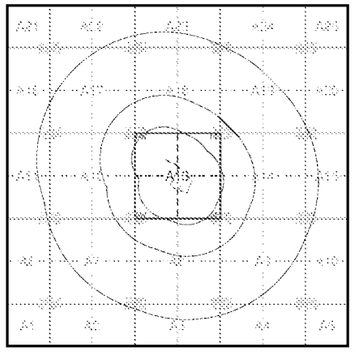
Geo-Environmental
Ordnance Survey Plan
Published 1967
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	110027317_1_1
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Site Area (Ha):	1.68
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Geo-Environmental

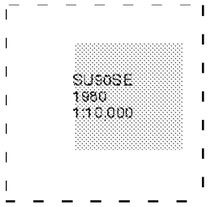
Ordnance Survey Plan

Published 1980

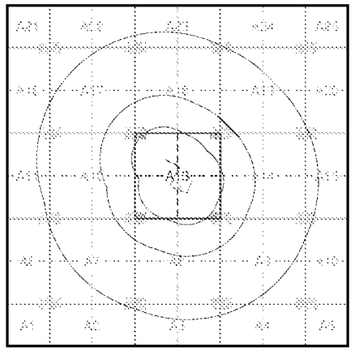
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



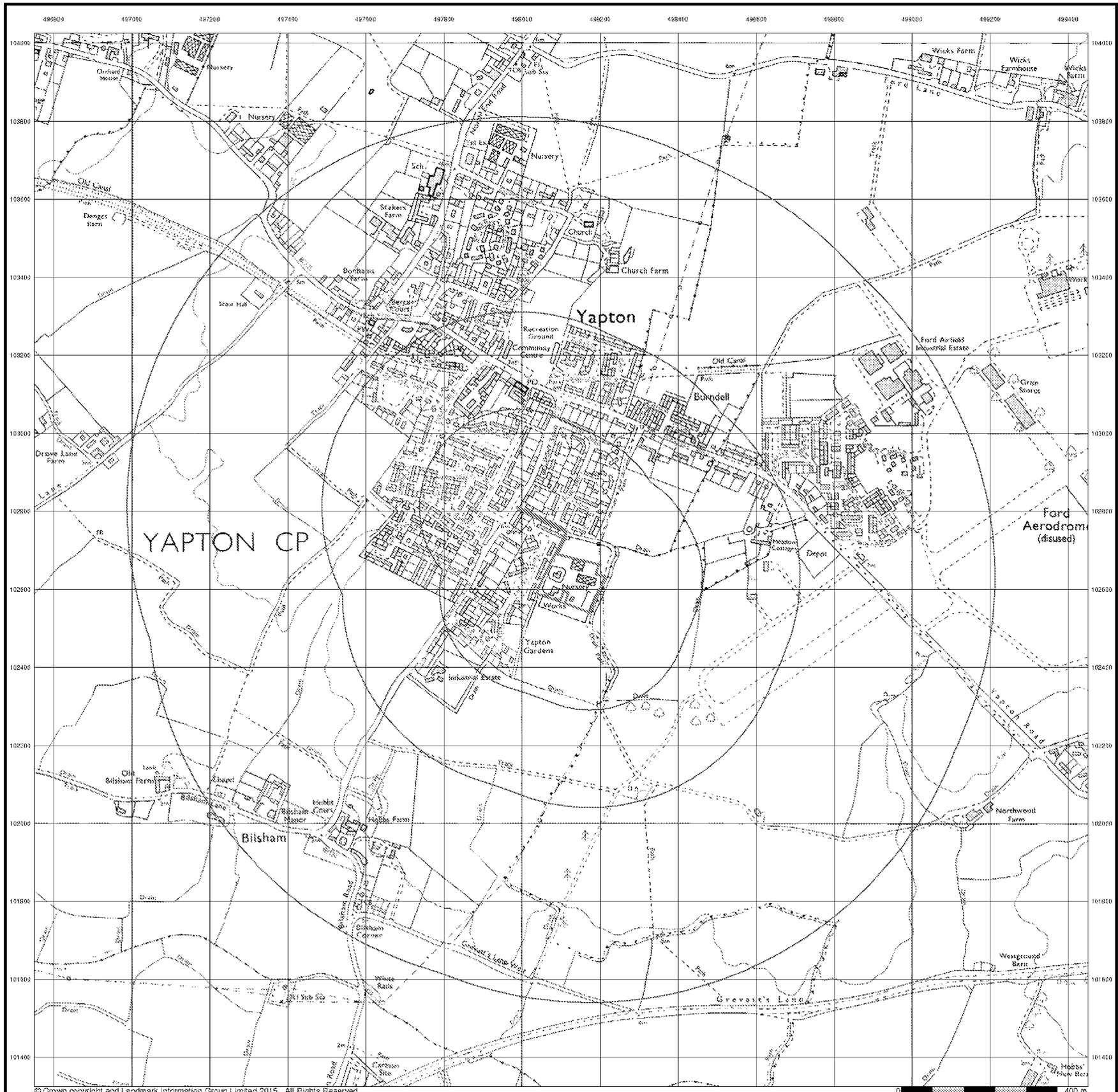
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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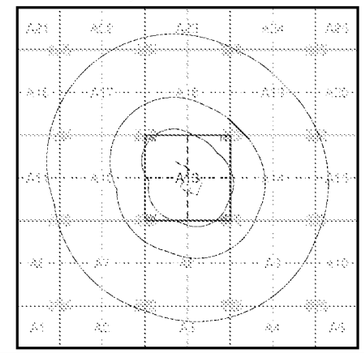
Geo-Environmental
Ordnance Survey Plan
Published 1992
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU80SE
1992
1:10,000

Historical Map - Slice A



Order Details

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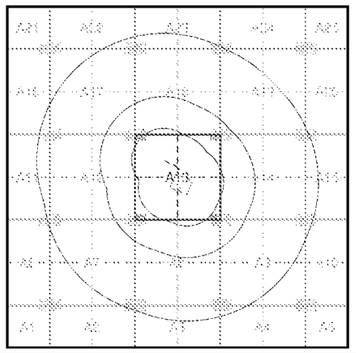
Geo-Environmental
10k Raster Mapping
Published 2000
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU90SE
2000
1:10,000

Historical Map - Slice A



Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
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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)

SU90SE
2006
1:10,000

Historical Map - Slice A

N

Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

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Geo-Environmental

VectorMap Local

Published 2016

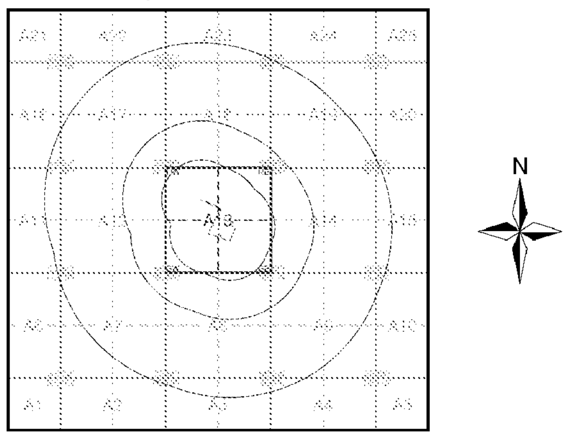
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU90SE
2016
Variable

Historical Map - Slice A



Order Details

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Customer Ref:	GE16133
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Slice:	A
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Search Buffer (m):	1000

Site Details

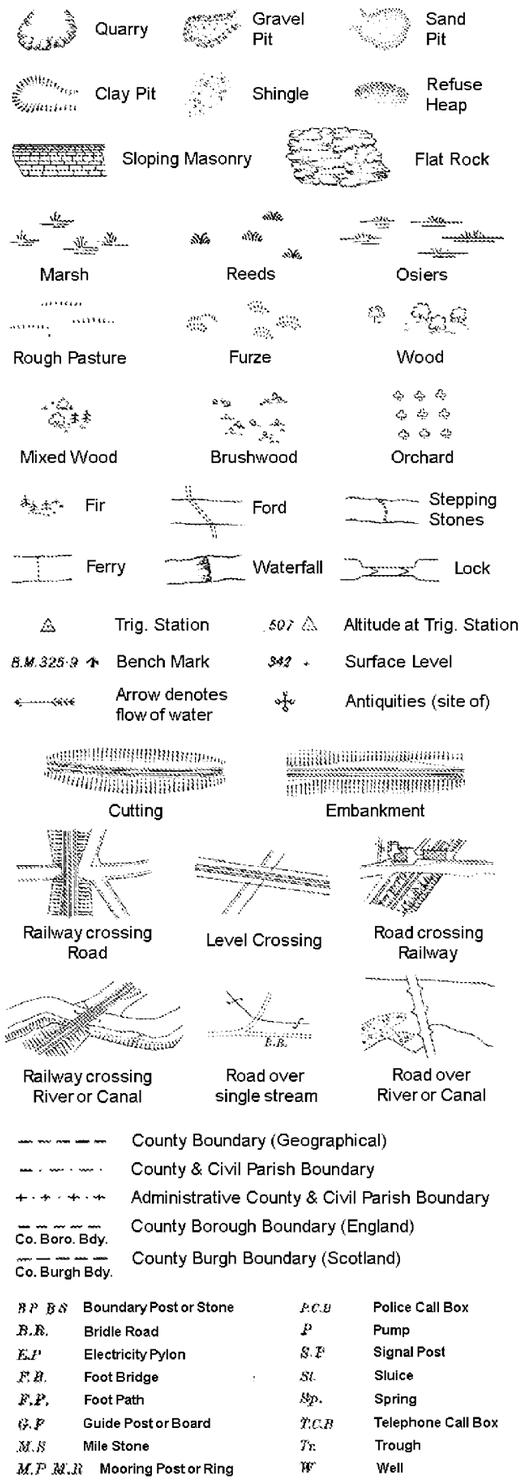
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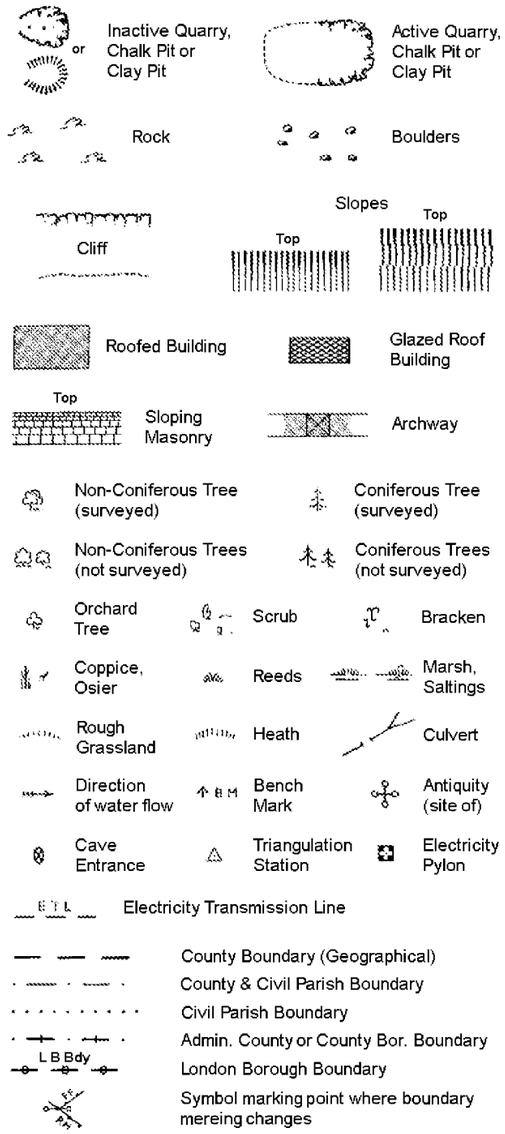
Historical Mapping Legends

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



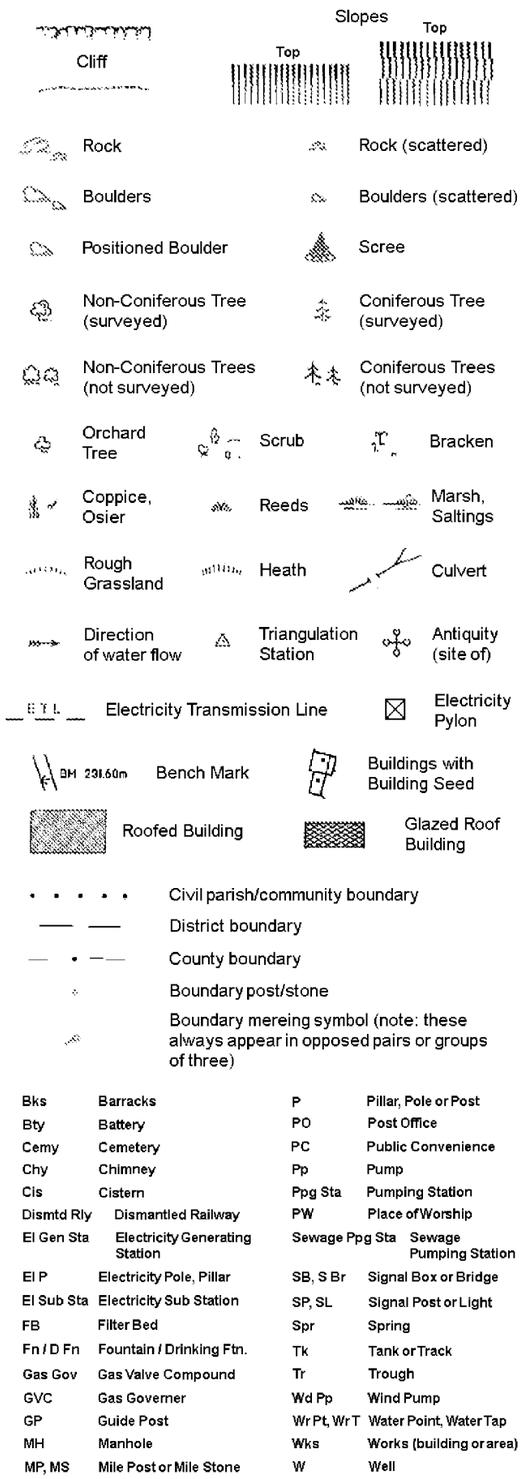
B.P. B.S.	Boundary Post or Stone	P.C.B.	Police Call Box
B.R.	Bridle Road	P.	Pump
E.P.	Electricity Pylon	S.P.	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P.	Guide Post or Board	T.C.B.	Telephone Call Box
M.S.	Mile Stone	Tr.	Trough
M.P. M.R.	Mooring Post or Ring	W.	Well

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

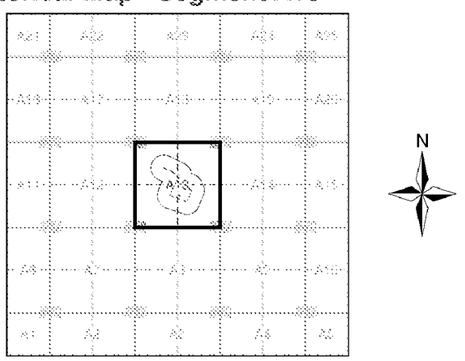


Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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
Sussex	1:2,500	1876	2
Sussex	1:2,500	1898	3
Sussex	1:2,500	1912	4
Sussex	1:2,500	1937 - 1940	5
Ordnance Survey Plan	1:2,500	1974 - 1975	6
Additional SIMs	1:2,500	1978 - 1982	7
Additional SIMs	1:2,500	1982 - 1989	8
Ordnance Survey Plan	1:2,500	1984	9
Additional SIMs	1:2,500	1984 - 1989	10
Additional SIMs	1:2,500	1991 - 1992	11
Large-Scale National Grid Data	1:2,500	1994	12
Large-Scale National Grid Data	1:2,500	1994 - 1995	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A13



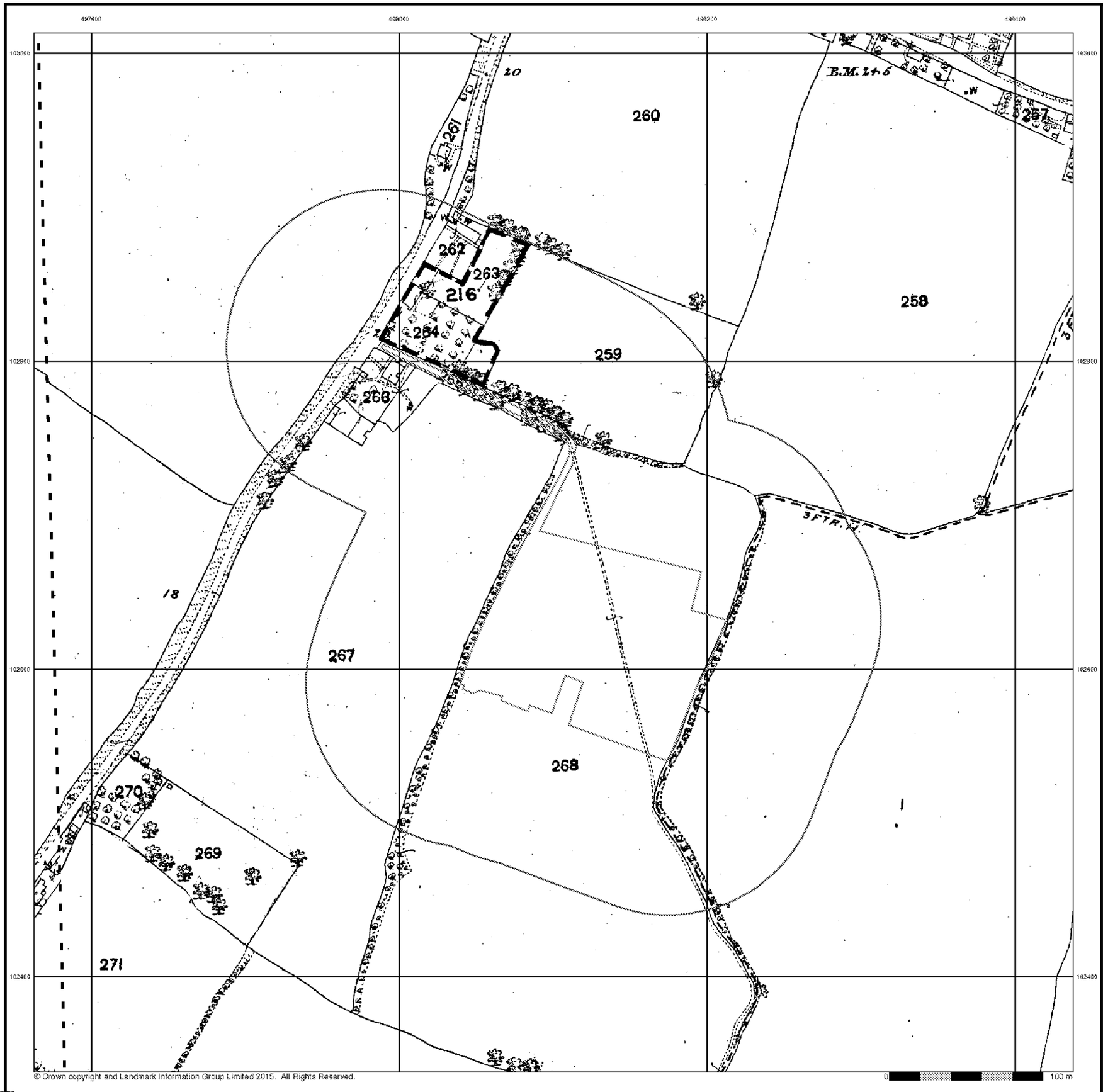
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	100

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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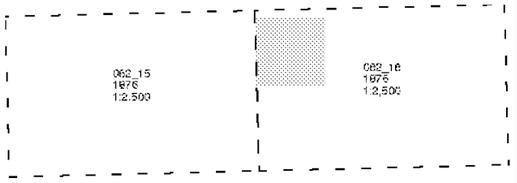
Geo-Environmental
Sussex

Published 1876

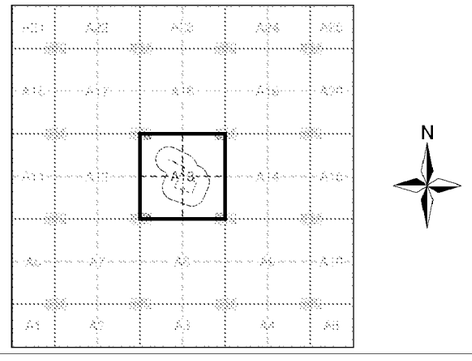
Source map scale - 1:2,500

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

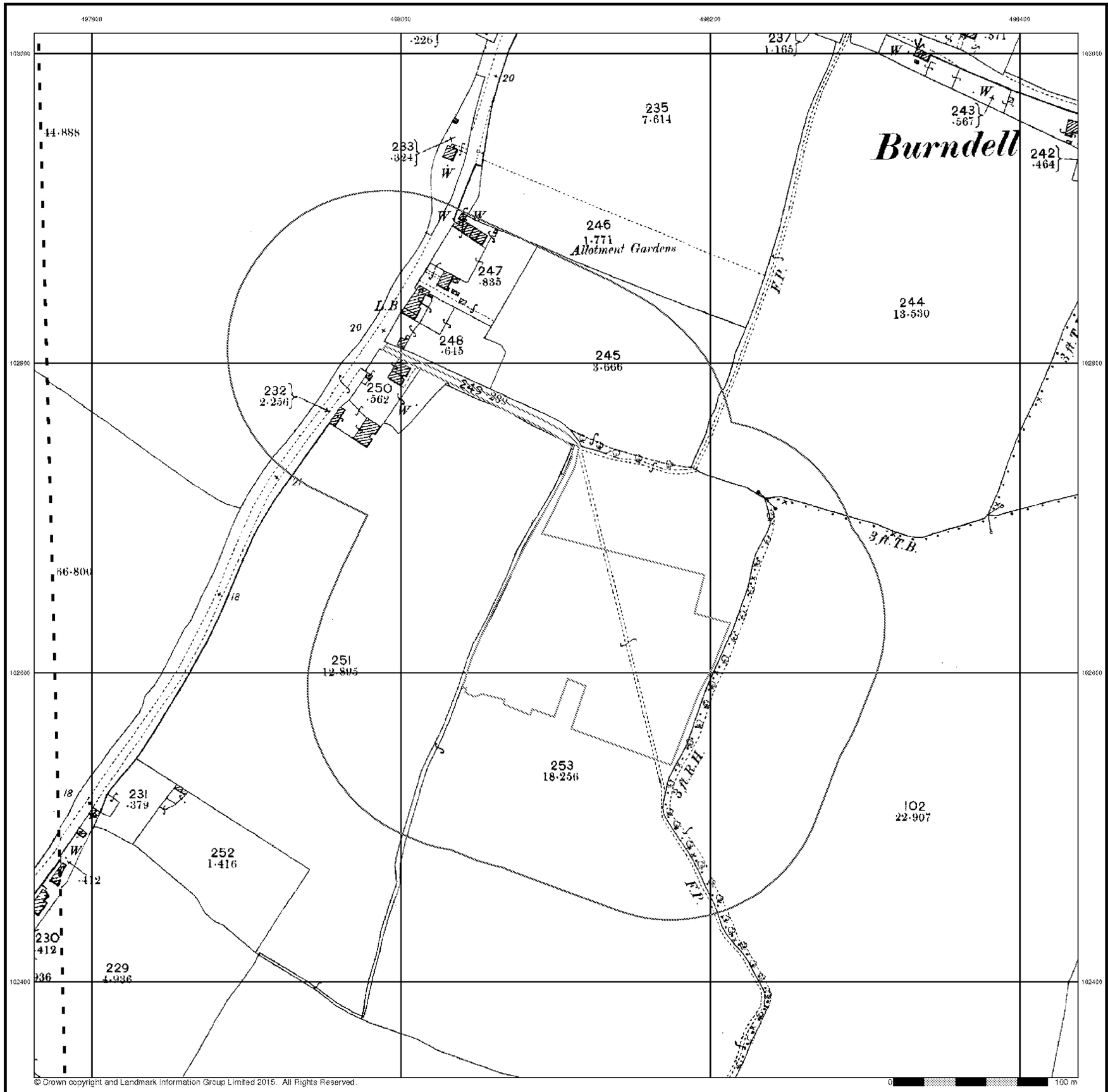
Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
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0 100 m

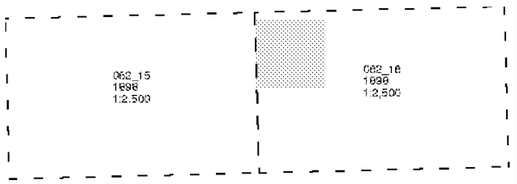
Geo-Environmental
Sussex

Published 1898

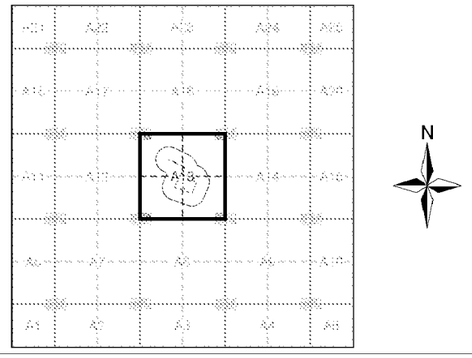
Source map scale - 1:2,500

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

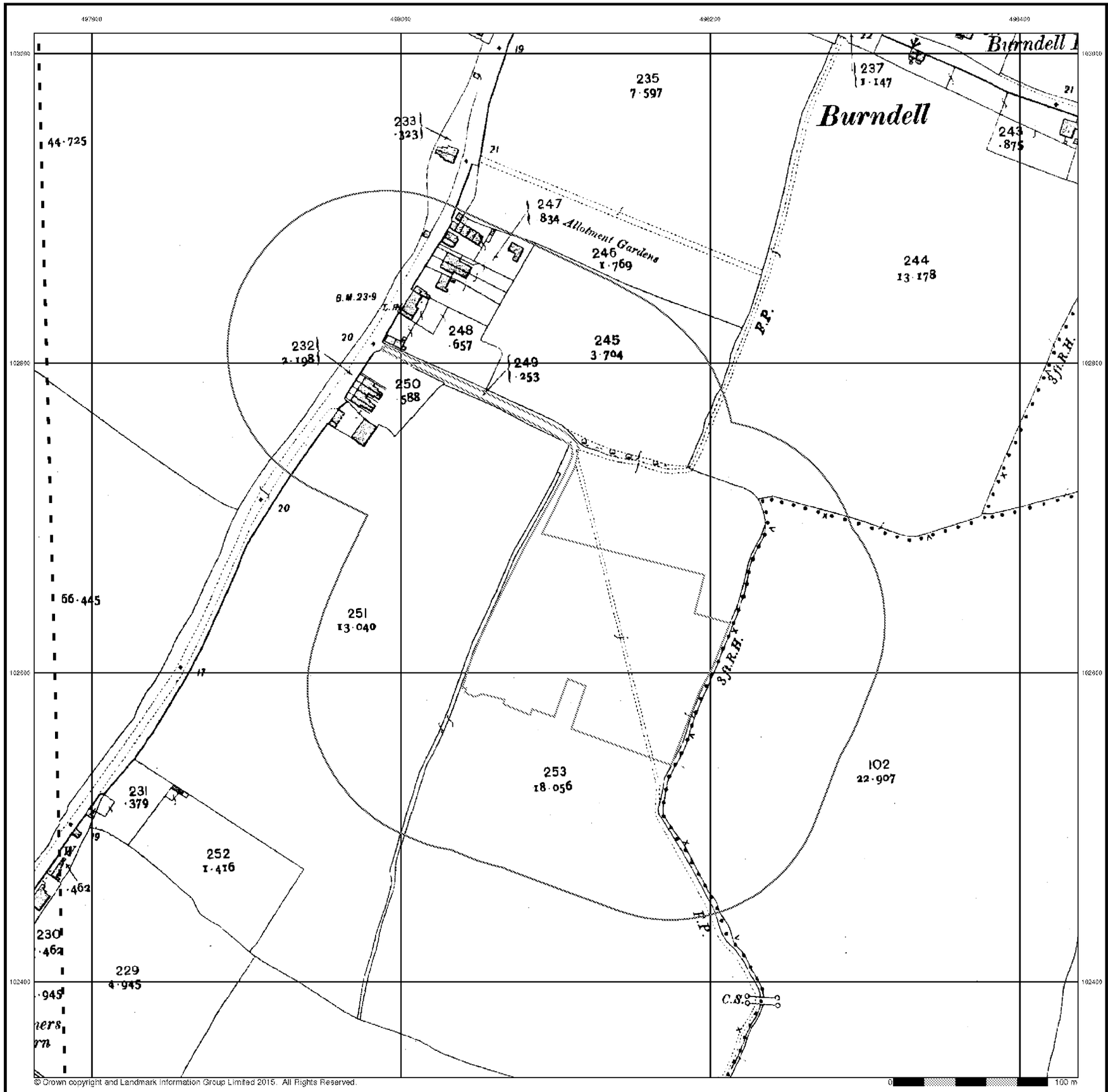
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National Grid Reference:	498090, 102670
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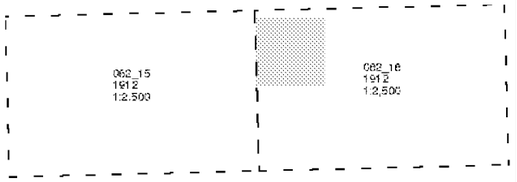
Geo-Environmental
Sussex

Published 1912

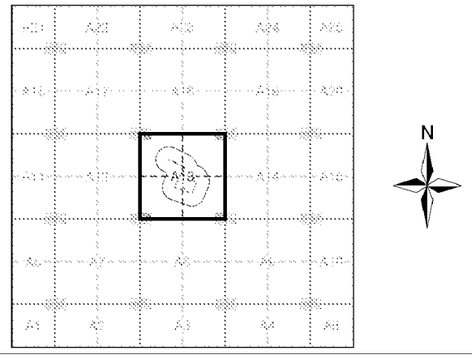
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



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Geo-Environmental

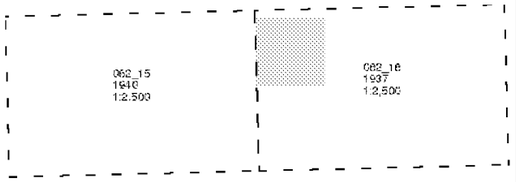
Sussex

Published 1937 - 1940

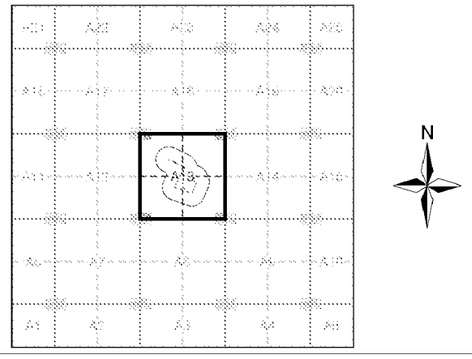
Source map scale - 1:2,500

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)



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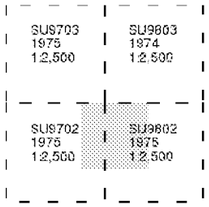
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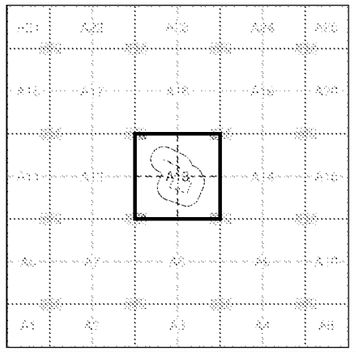
Geo-Environmental
Ordnance Survey Plan
Published 1974 - 1975
Source map scale - 1:2,500

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

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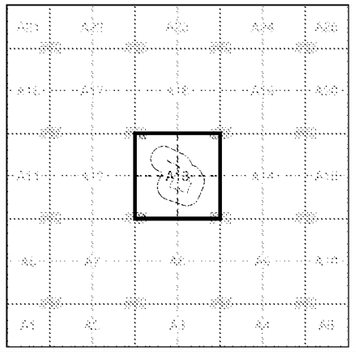
Geo-Environmental
Additional SIMs
Published 1978 - 1982
Source map scale - 1:2,500

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)

SU9703 1982 1:2,500	SU9803 1978 1:2,500
SU9702 1978 1:2,500	SU9802 1978 1:2,500

Historical Map - Segment A13



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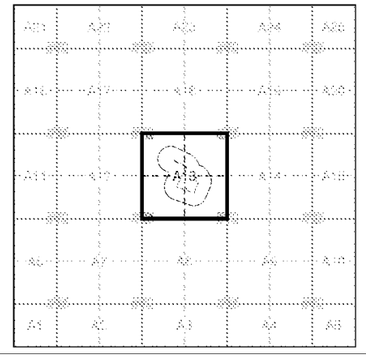
Geo-Environmental
Additional SIMs
Published 1982 - 1989
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SU9703 1983 1:2,500	SU9803 1982 1:2,500
SU9702 1983 1:2,500	SU9802 1984 1:2,500

Historical Map - Segment A13



Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	100

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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

ARUN DISTRICT COUNCIL Y/55/79/OUT



Geo-Environmental

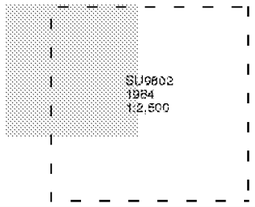
Ordnance Survey Plan

Published 1984

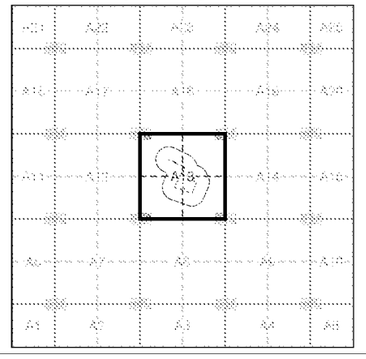
Source map scale - 1:2,500

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:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	100

Site Details

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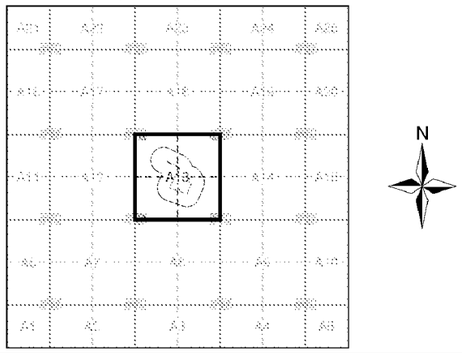
Geo-Environmental
Additional SIMs
Published 1984 - 1989
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SU9703 1989 1:2,500	SU9803 1987 1:2,500
	SU9802 1984 1:2,500

Historical Map - Segment A13



Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	100

Site Details

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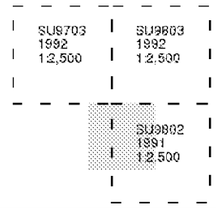
ARUN DISTRICT COUNCIL Y/[illegible]/DC



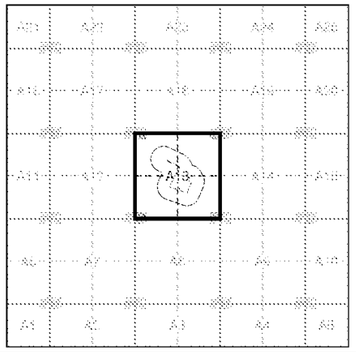
Geo-Environmental
Additional SIMs
Published 1991 - 1992
Source map scale - 1:2,500

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:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	100

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ARUN DISTRICT COUNCIL Y/88/79/20/DC

Geo-Environmental

Large-Scale National Grid Data

Published 1994

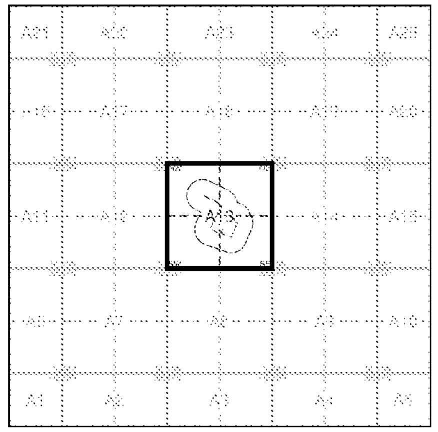
Source map scale - 1:2,500

'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)

SU9703 1994 1:2,500	SU9803 1994 1:2,500
SU9702 1994 1:2,500	SU9802 1994 1:2,500

Historical Map - Segment A13



N

Order Details

Order Number: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 100

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

Landmark INFORMATION GROUP

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Web: www.envirocheck.co.uk



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Geo-Environmental

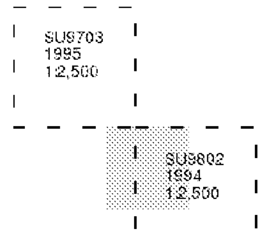
Large-Scale National Grid Data

Published 1994 - 1995

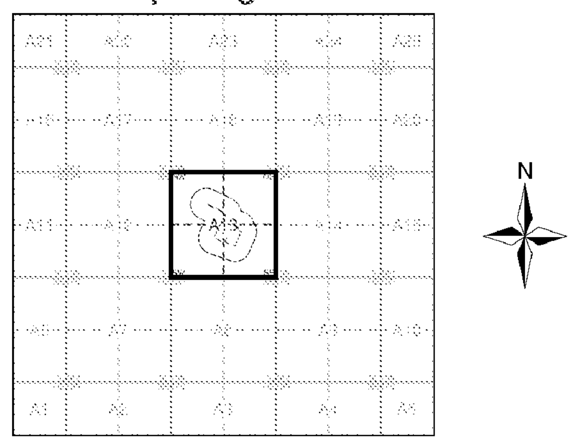
Source map scale - 1:2,500

'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: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 100

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

Landmark INFORMATION GROUP

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

ARUN DISTRICT COUNCIL Y/58/79DC

497800 498000 498200 498400

103000 102800 102600 102400



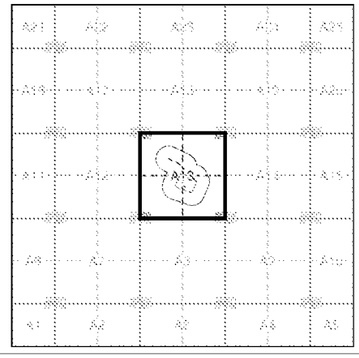
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0 100 m

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



N

Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	100

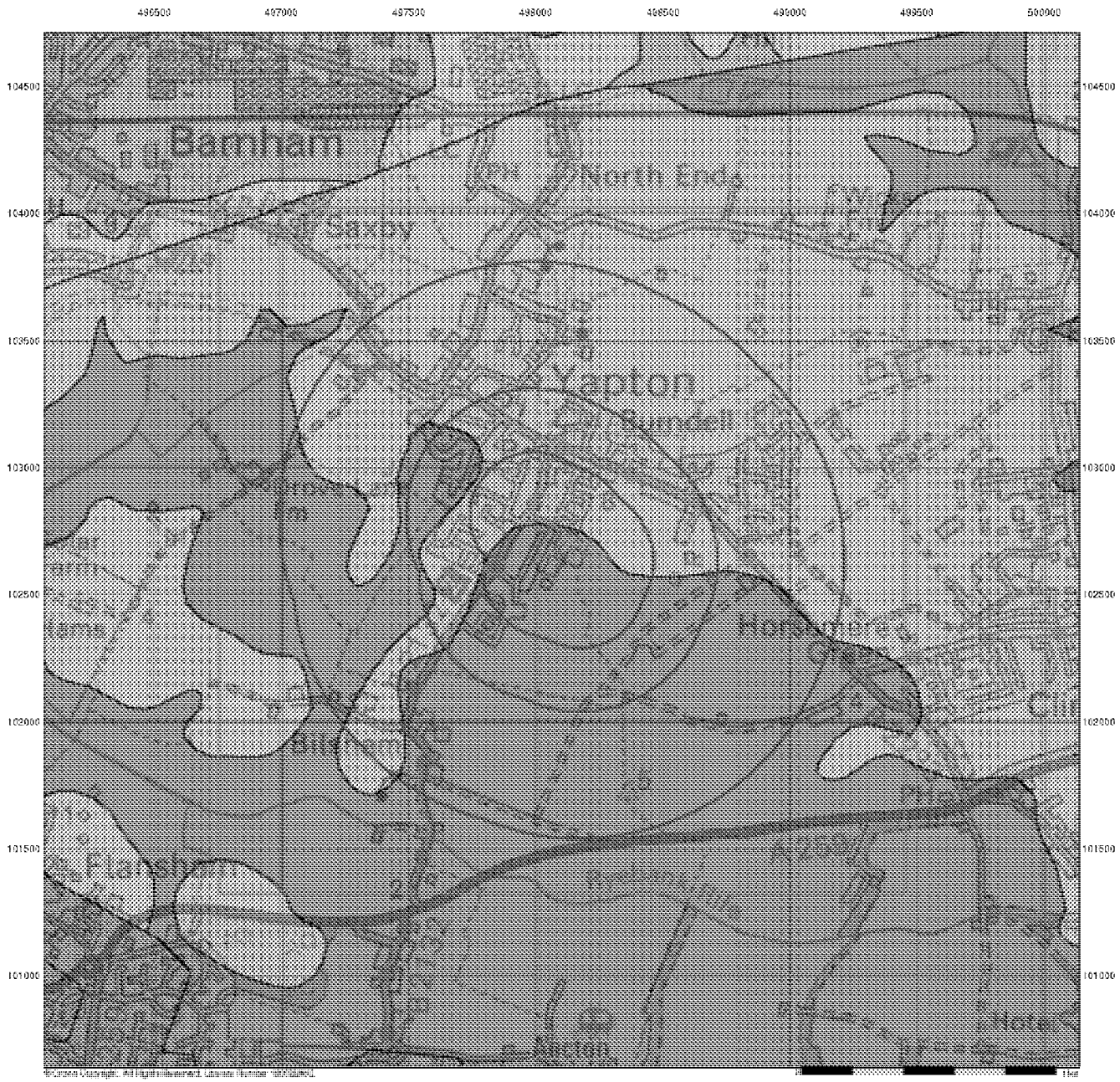
Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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Web: www.environcheck.co.uk

ARUN DISTRICT COUNCIL Y/[illegible]/C



Geo-Environmental Groundwater Vulnerability

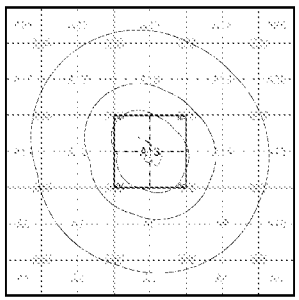
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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

ARUN DISTRICT COUNCIL Y/58/17/OUT



Geo-Environmental
Bedrock Aquifer Designation

General

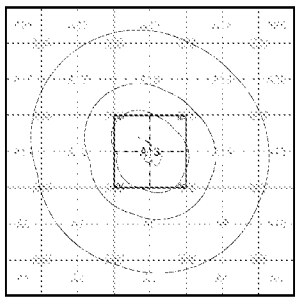
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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



Geo-Environmental
Superficial Aquifer Designation

General

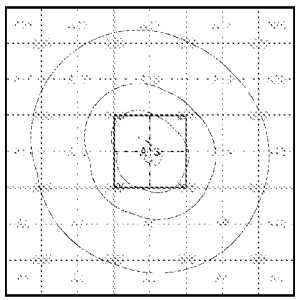
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



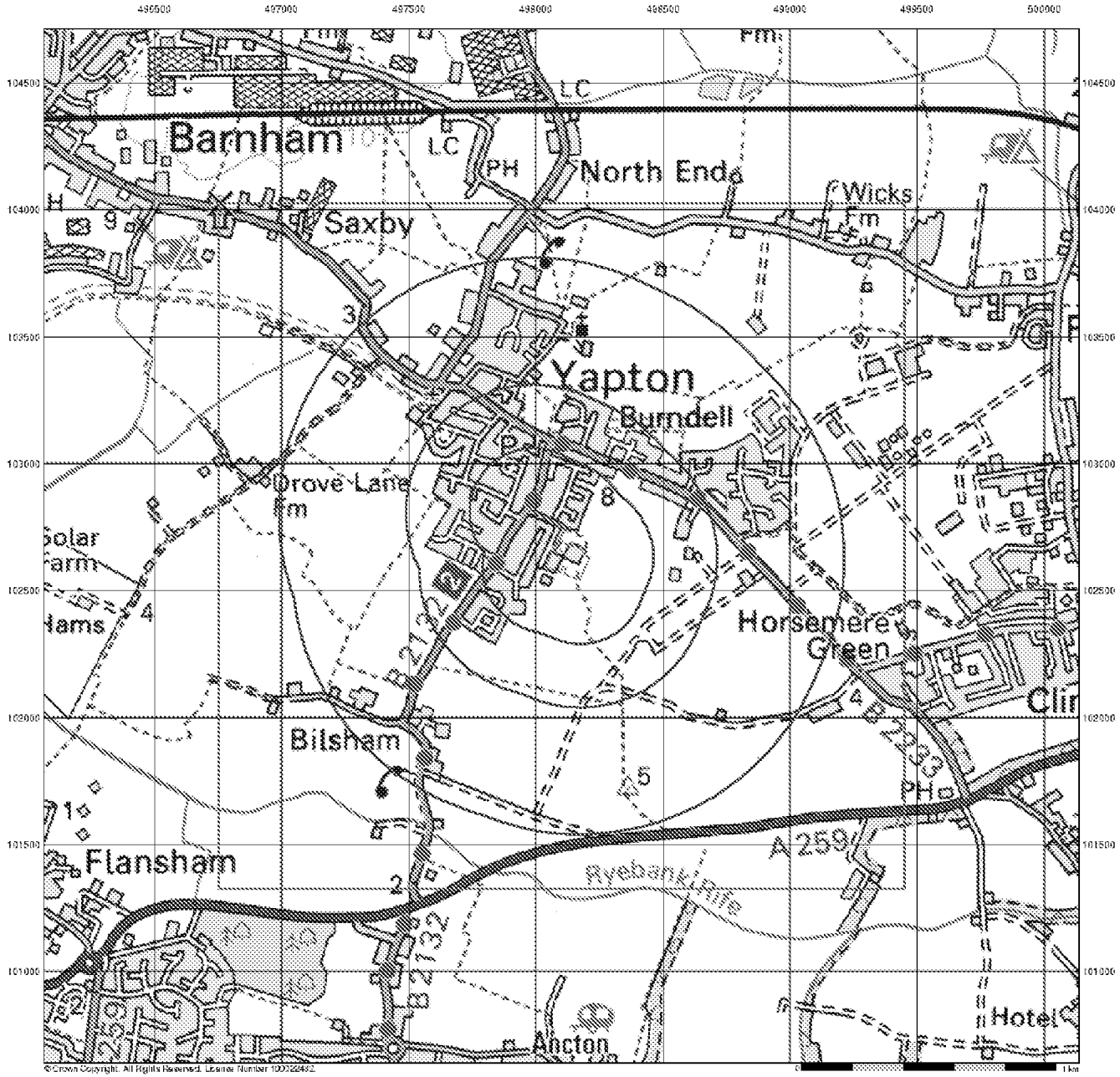
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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Geo-Environmental
Source Protection Zones

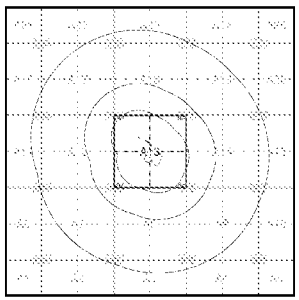
General

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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



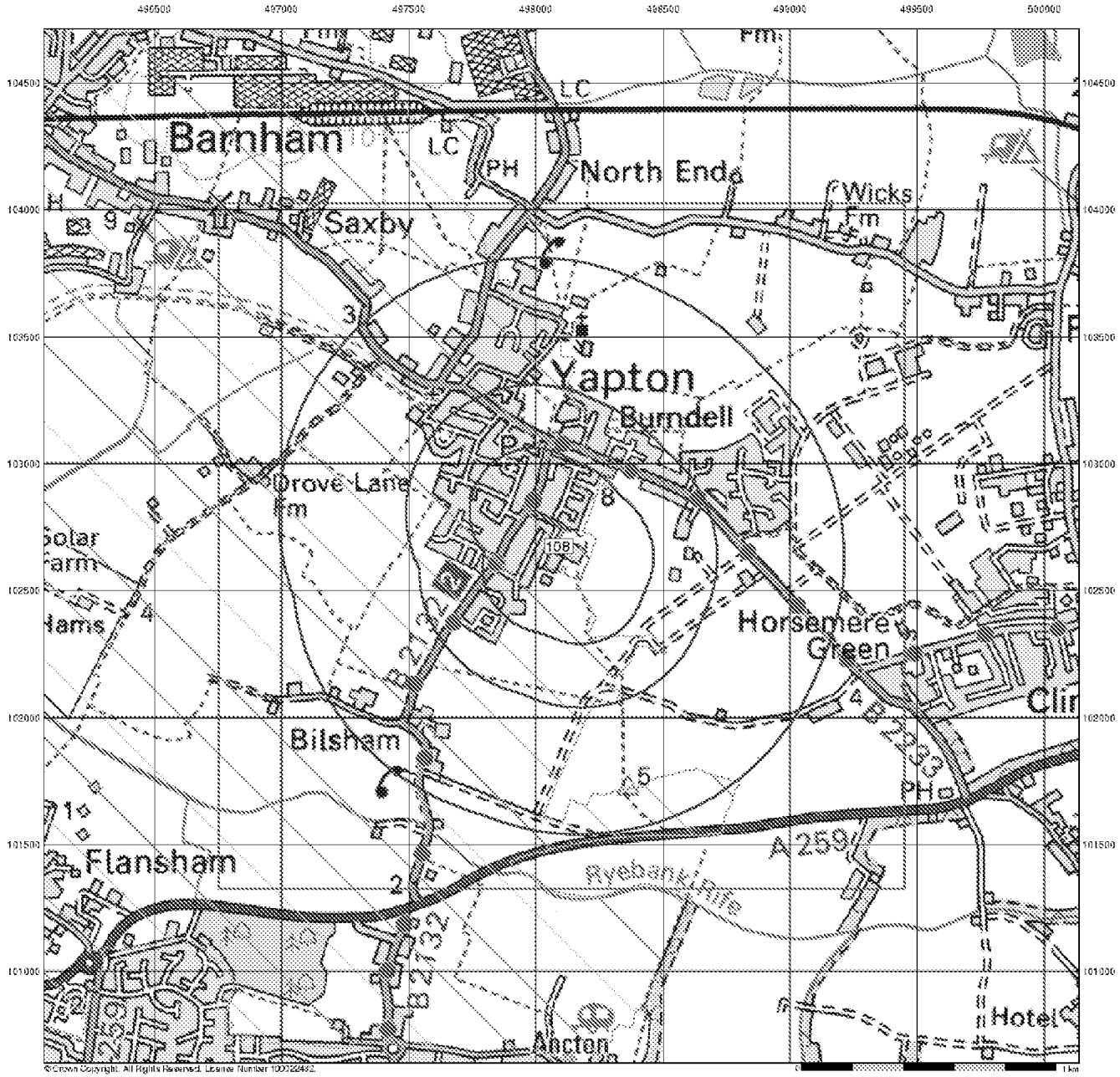
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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0 1 km

Geo-Environmental Sensitive Land Uses

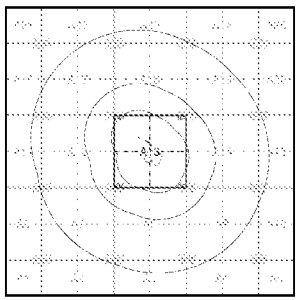
General

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



N

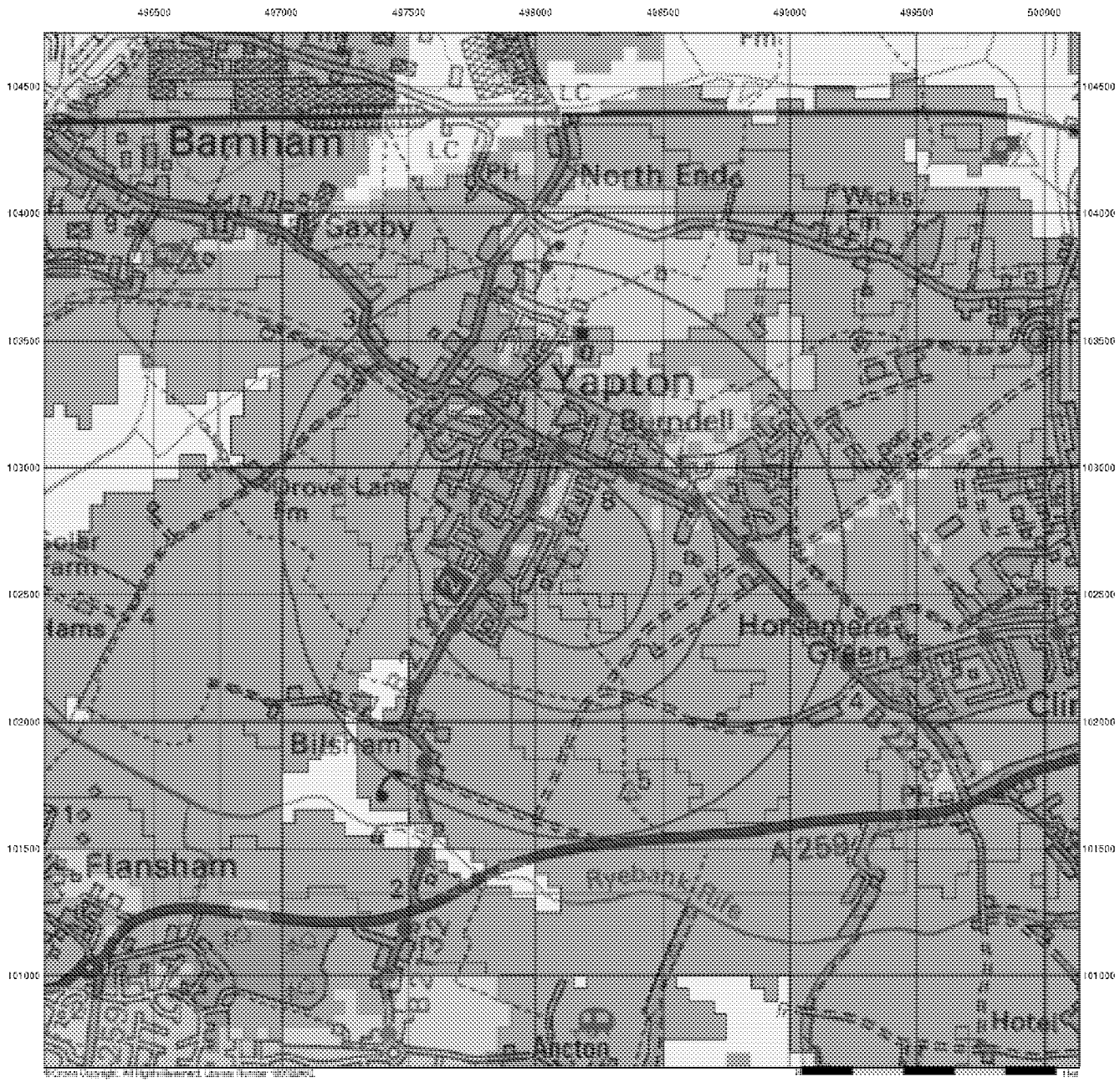
Order Details

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Geo-Environmental

BGS Flood GFS Data

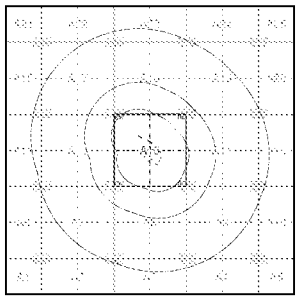
General

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:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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Web: www.envirocheck.co.uk



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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

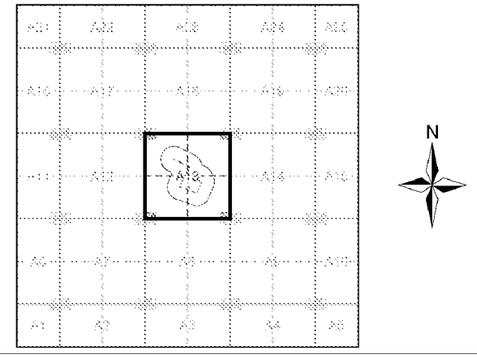
Geological

- 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

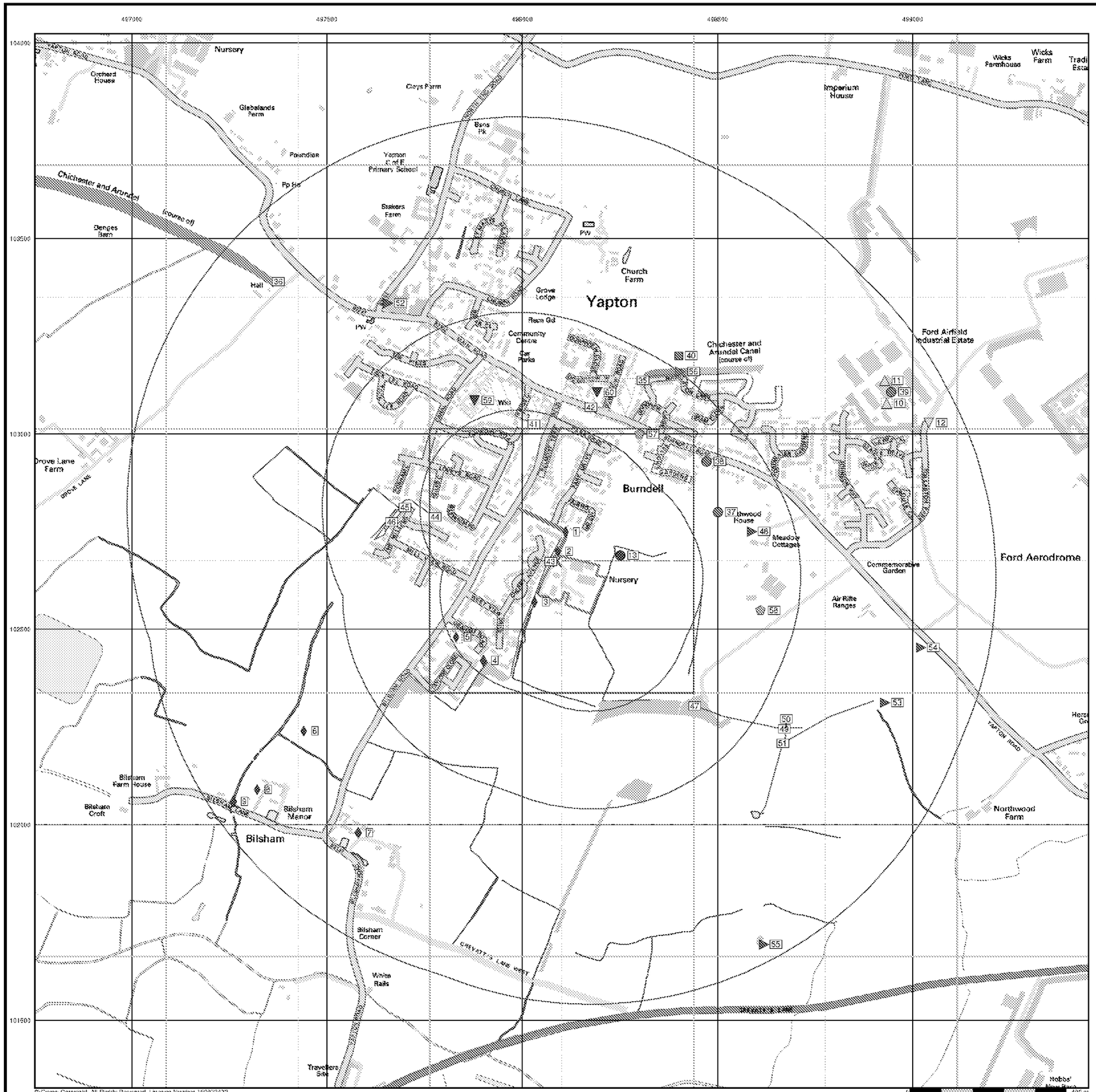
Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Plot Buffer (m):	100

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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

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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

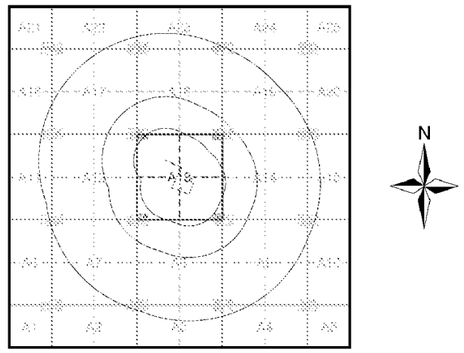
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
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- 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



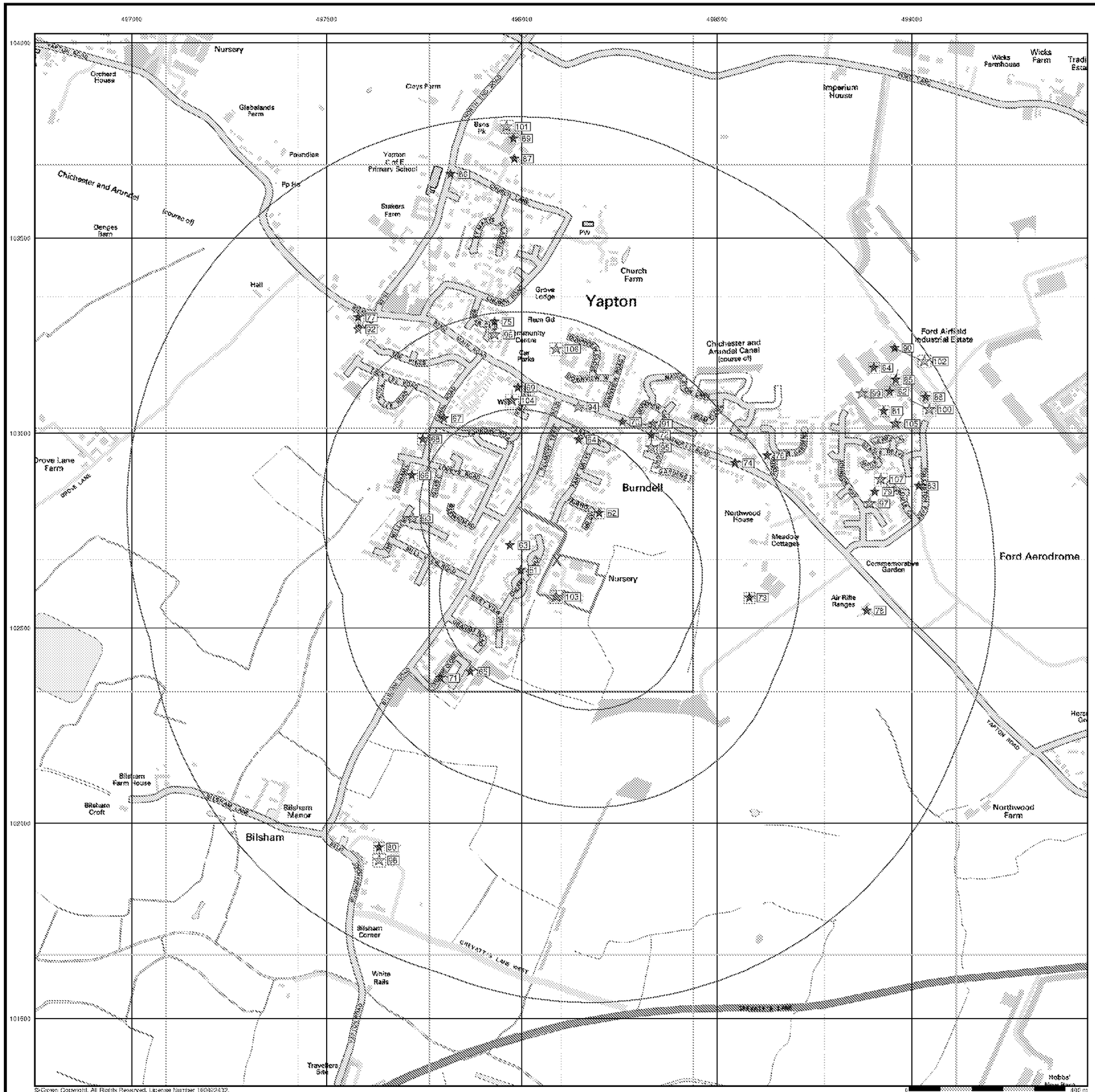
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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



Geo-Environmental
Industrial Land Use Map

General

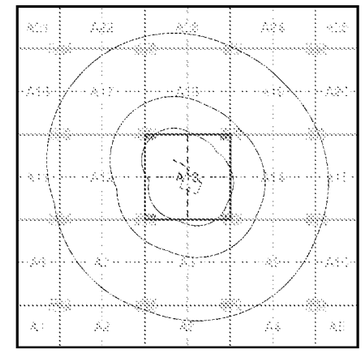
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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

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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)

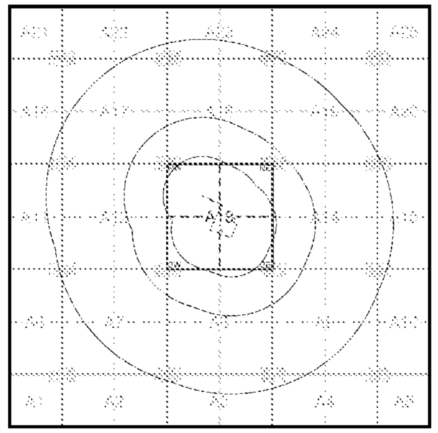
Flooding from Rivers or Sea without Defences (Zone 3)

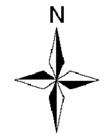
Area Benefiting from Flood Defence

Flood Water Storage Areas

Flood Defence

Flood Map - Slice A





Order Details

Order Number: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 1000

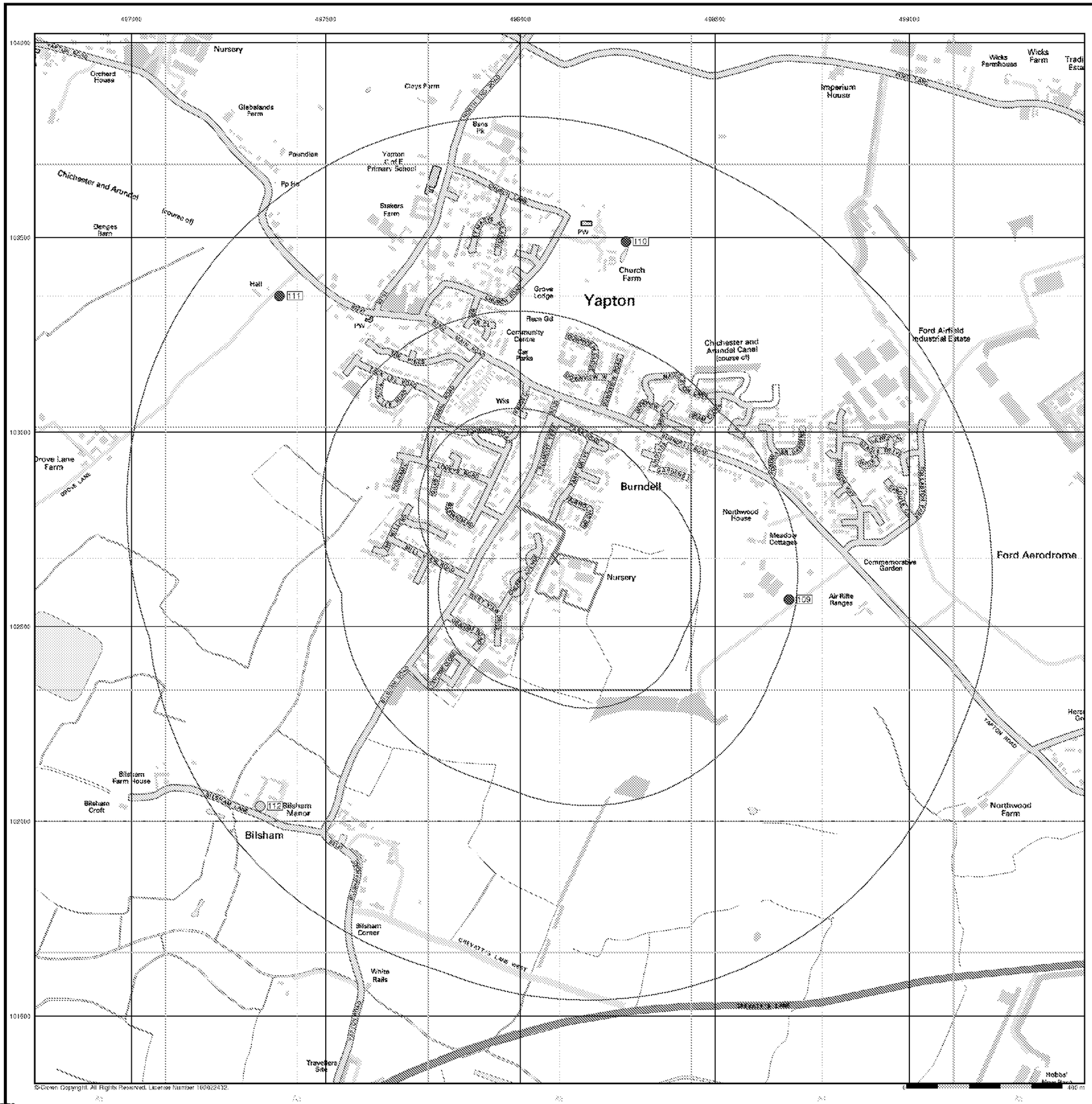
Site Details

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Geo-Environmental

General

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

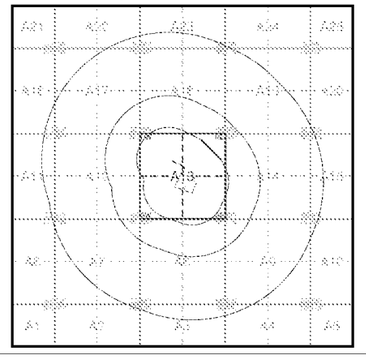
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



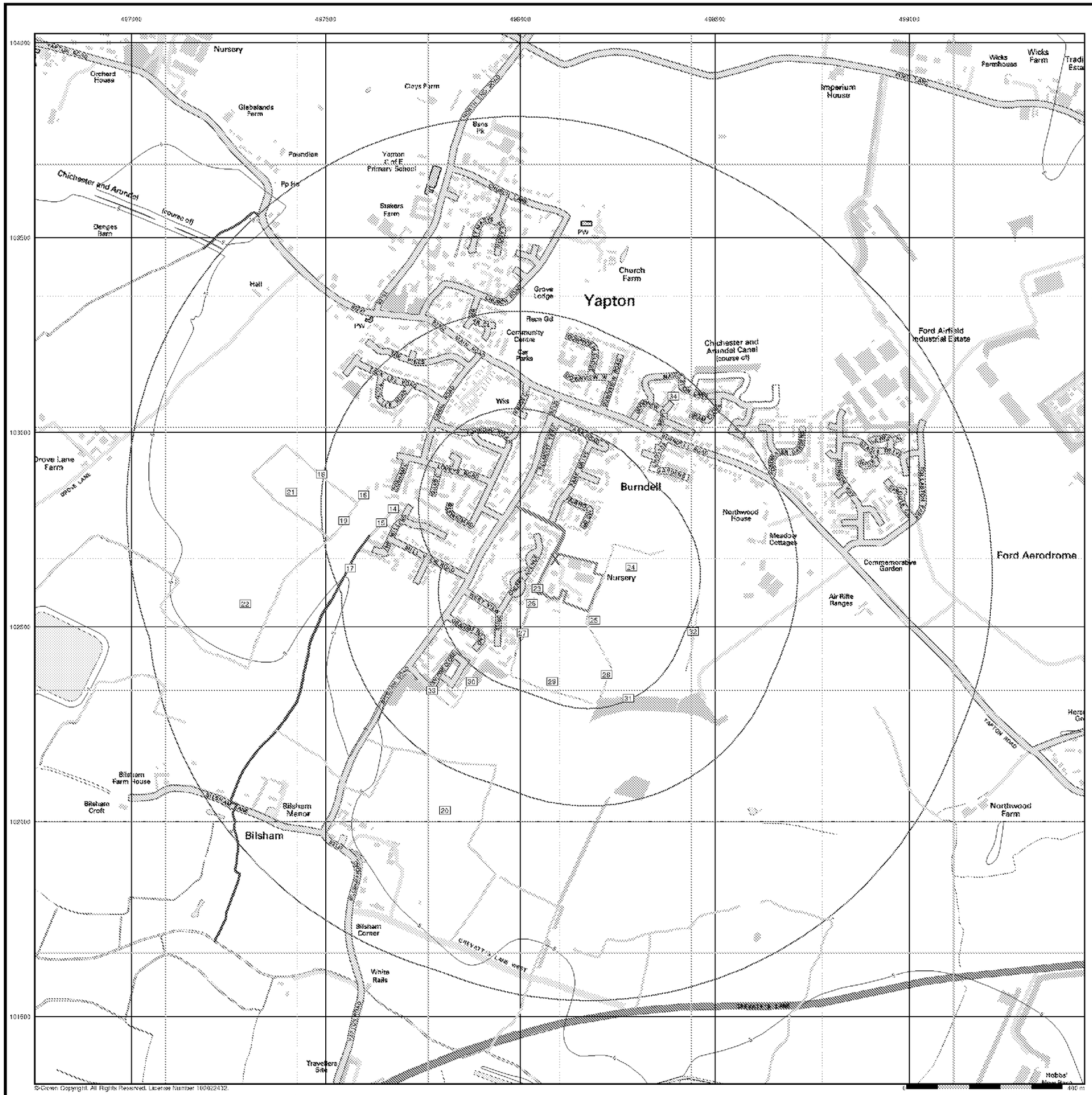
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

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Geo-Environmental

General

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

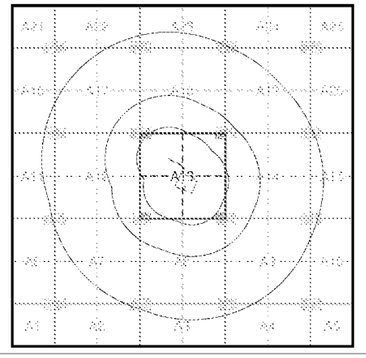
Detailed River Network Data

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

Contours (height in metres)

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

EA/NRW Detailed River Network Map - Slice A



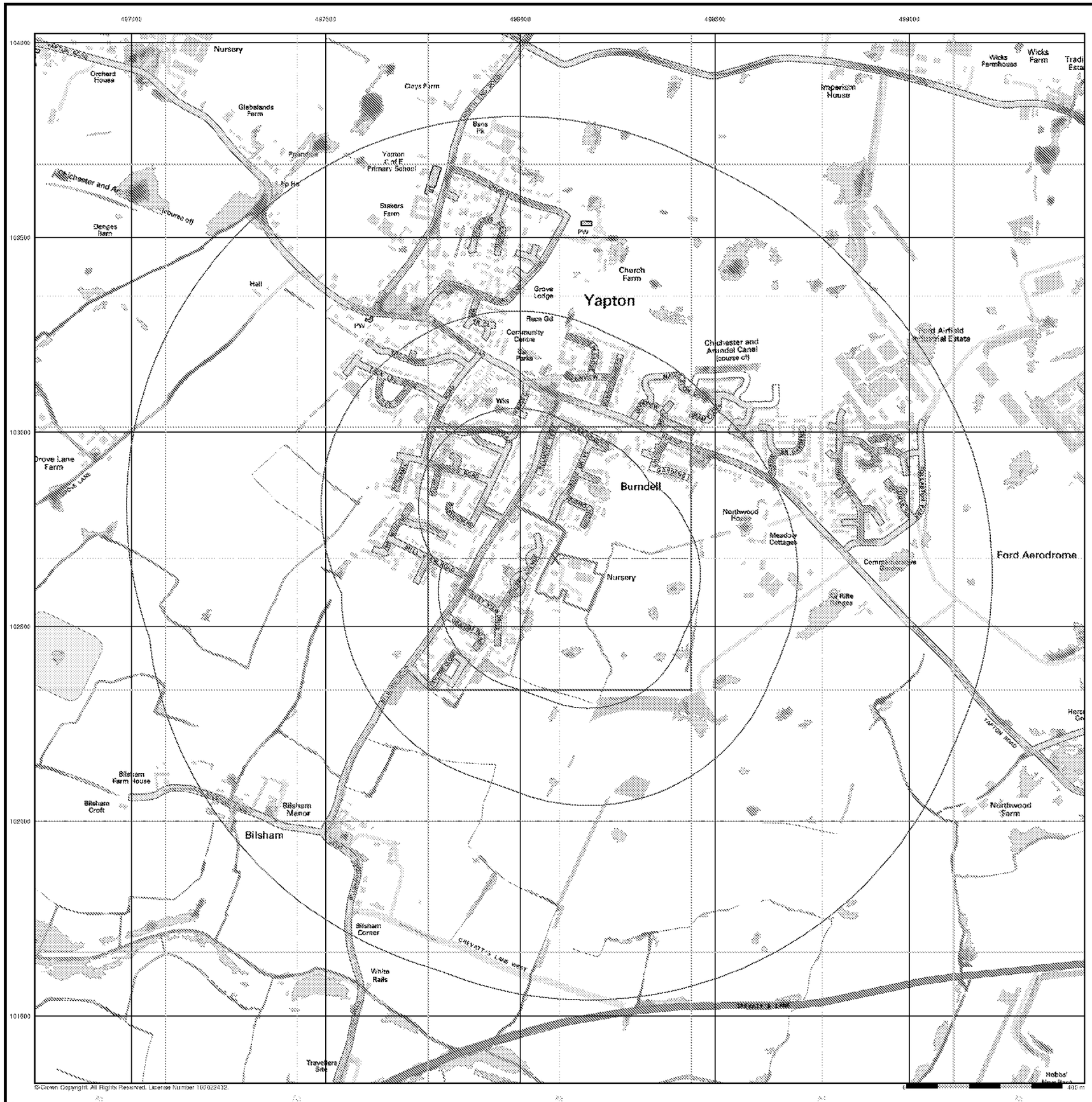
Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
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Geo-Environmental

General

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

Risk of Flooding from Surface Water

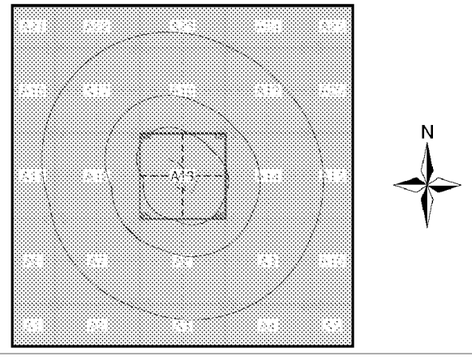
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

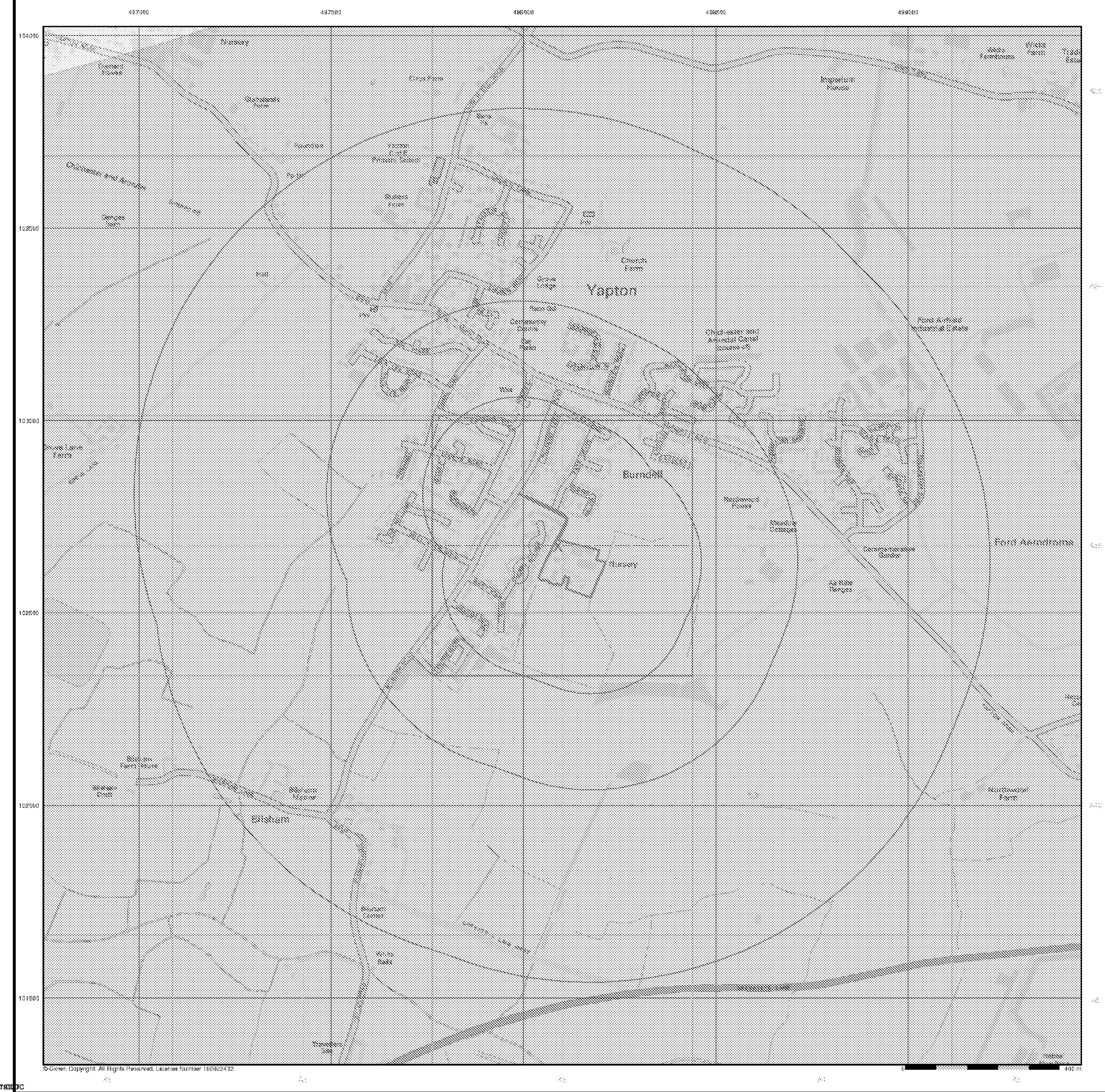
Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
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Site Details

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Geo-Environmental

General

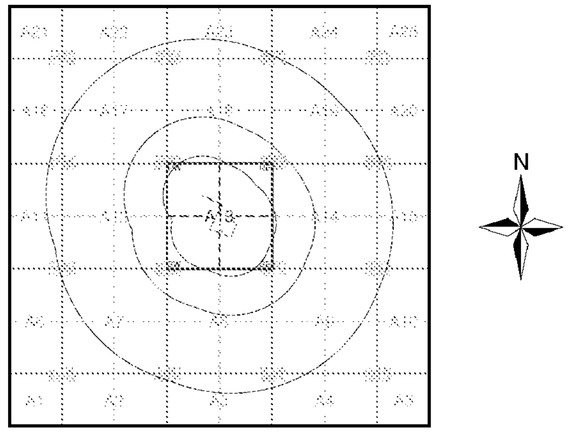
Specified Site   Specified Buffer(s)   X Bearing Reference Point

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: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 1000

Site Details

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Geo-Environmental

General

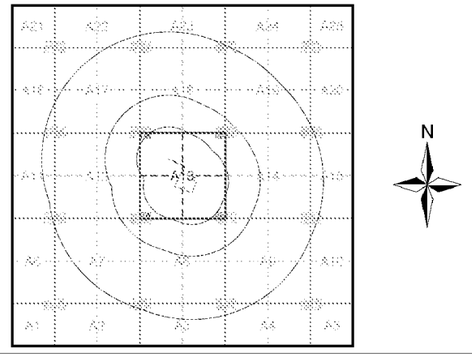
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



Order Details

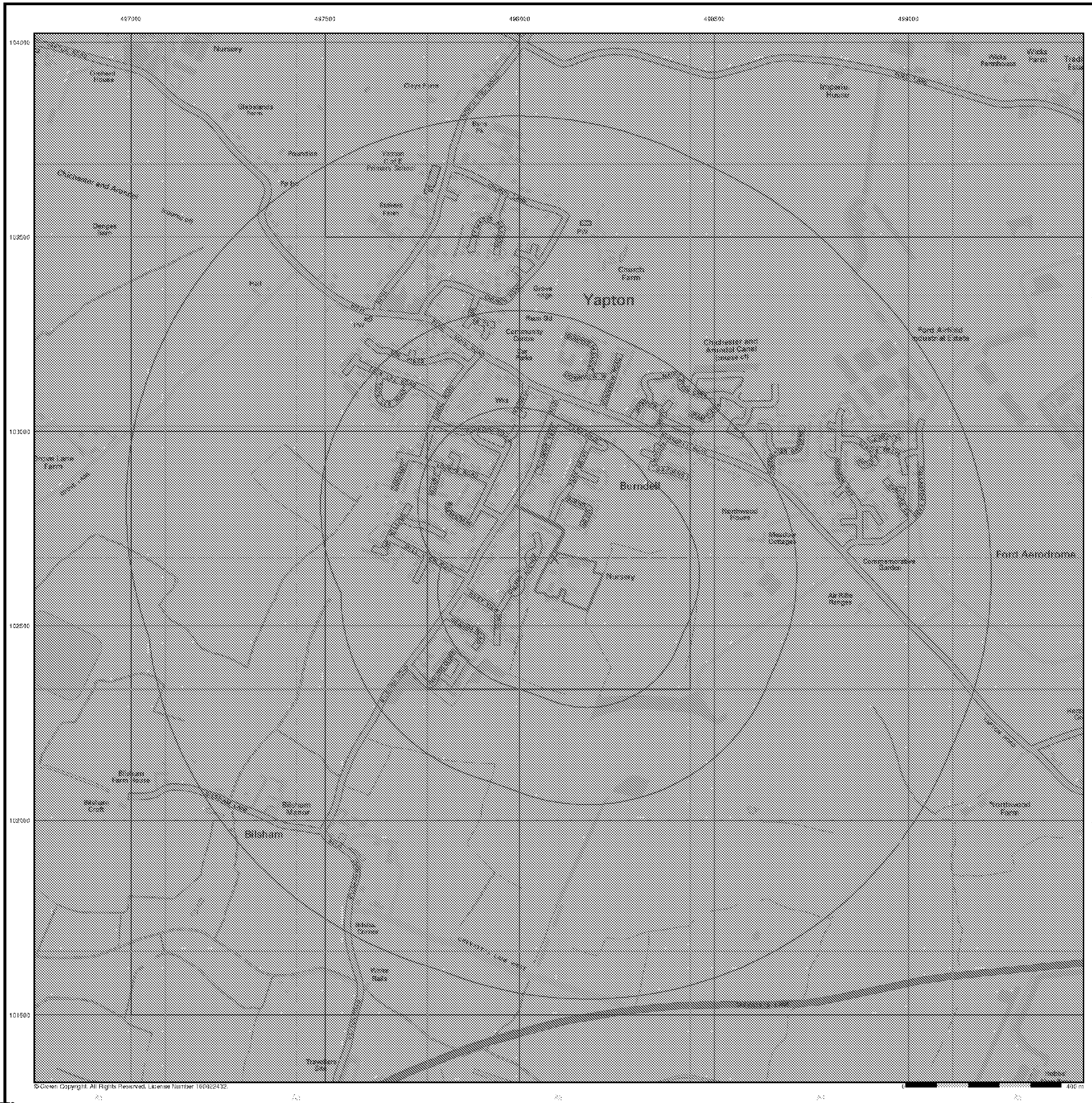
Order Details:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498090, 102670
Slice:	A
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details

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Geo-Environmental

General

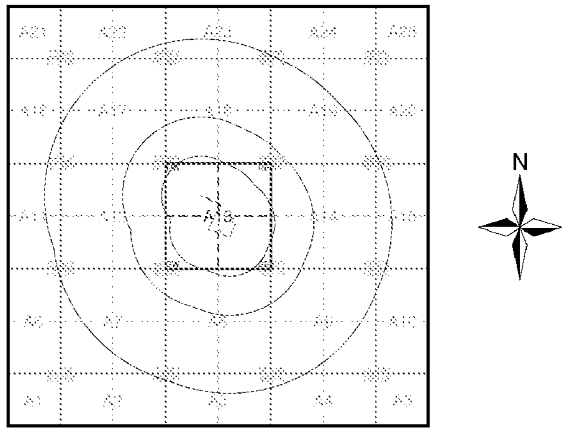
Specified Site   Specified Buffer(s)   X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



Order Details

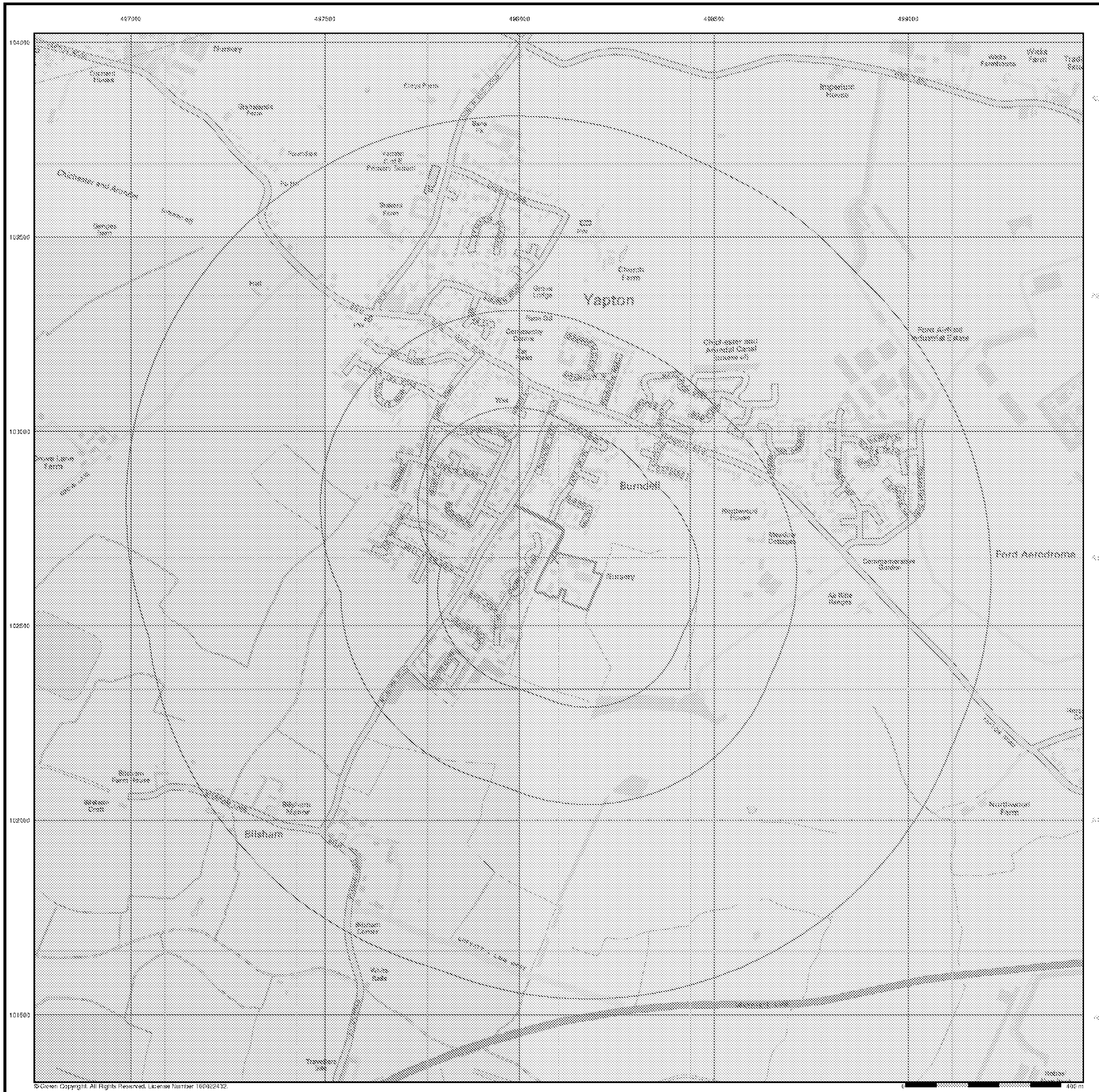
Order Details: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 1000

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Geo-Environmental

General

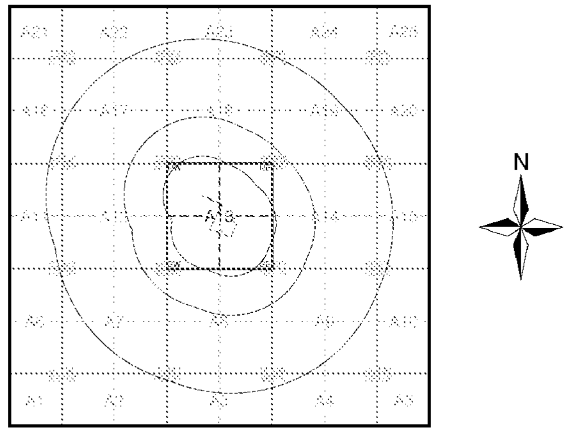
Specified Site   Specified Buffer(s)   X Bearing Reference Point

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: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 1000

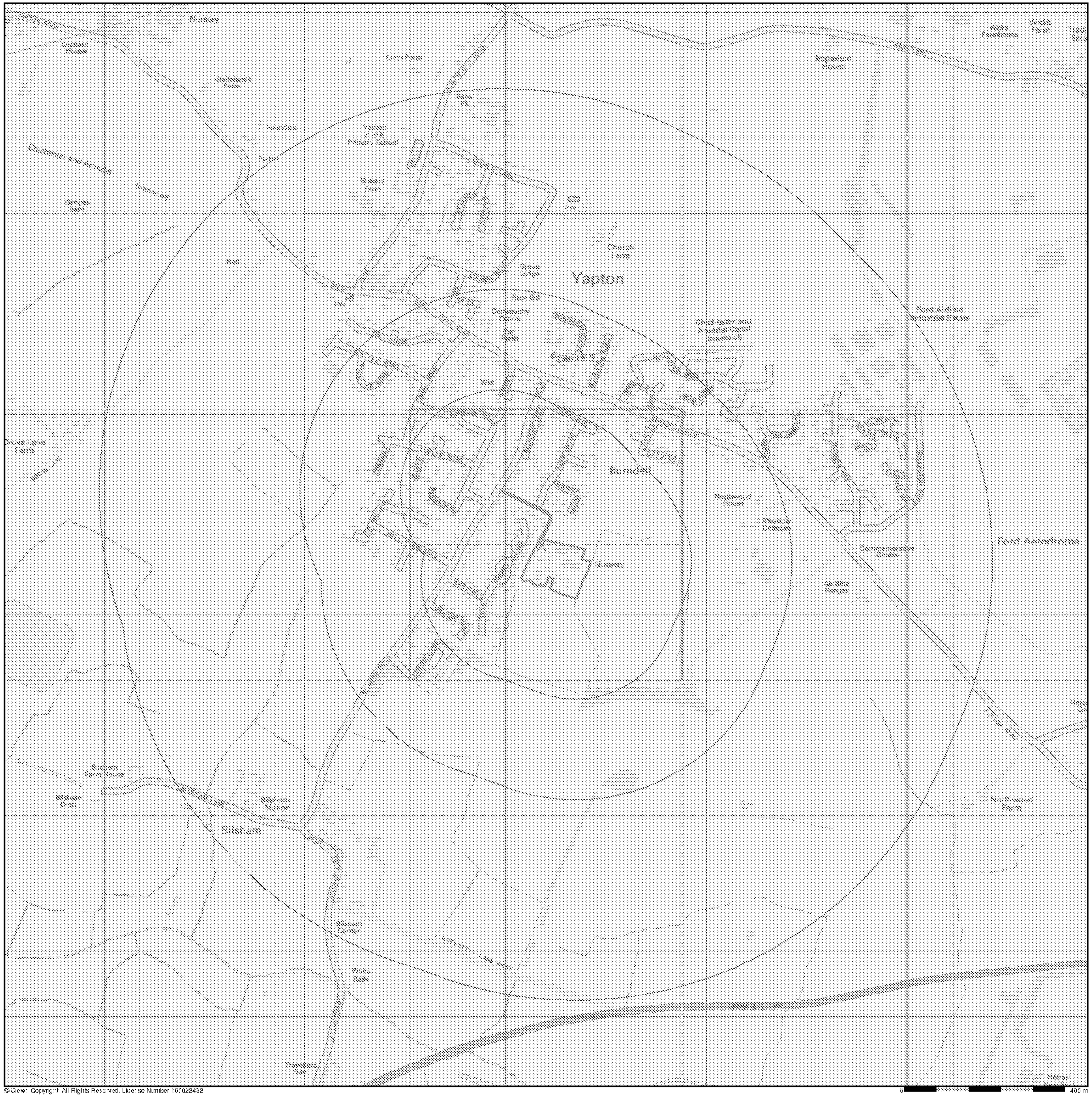
Site Details

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Geo-Environmental

General

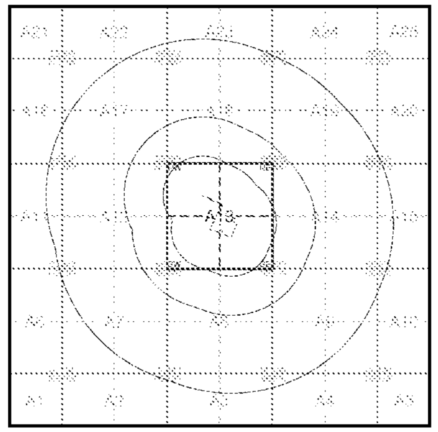
Specified Site | Specified Buffer(s) | Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



N

Order Details

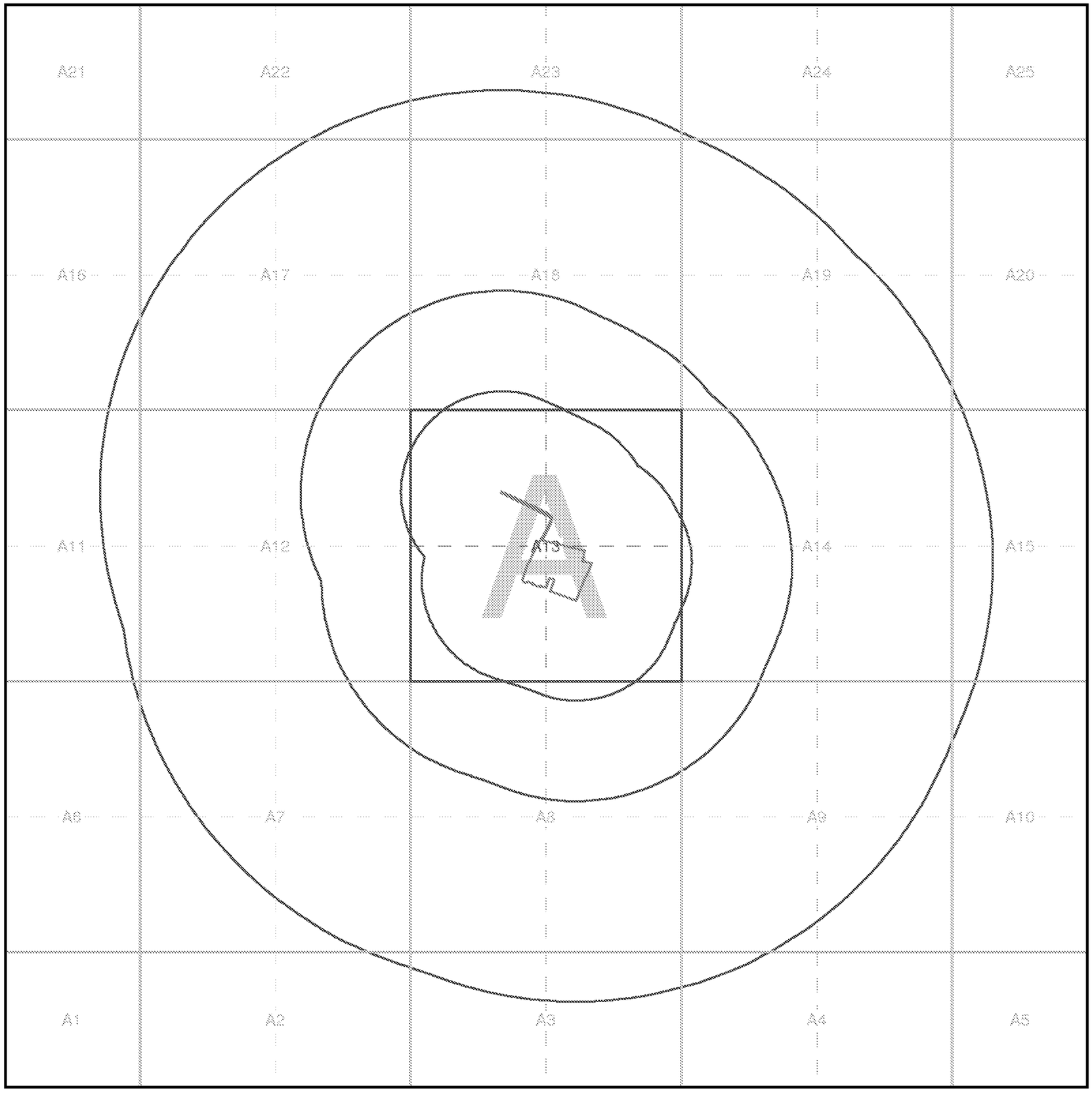
Order Details: 110027317_1_1
Customer Ref: GE16133
National Grid Reference: 498090, 102670
Slice: A
Site Area (Ha): 1.68
Search Buffer (m): 1000

Site Details

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

Order Details

Order Number:	110027317_1_1
Customer Ref:	GE16133
National Grid Reference:	498130, 102630
Site Area (Ha):	1.68
Search Buffer (m):	1000

Site Details
Cinders Lane, Yapton, ARUNDEL, West Sussex, BN18 0JJ

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

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APPENDIX B

BGS Logs

SU 90 SE 28 9728 9335 **North-east end of Drove Lane, Yapton** **Block B**

Surface level +6.6 m
Water struck at +1.9 m
October 1981

Overburden 2.9 m
Mineral 1.0 m
Bedrock 2.3 m+

LOG

Geological classification	Lithology	Thickness m	Depth m
	Soil	0.8	0.8
Brickearth	Clay, brown, silty	1.8	1.0
Raised Beach Deposits (younger)	Silt, chalky, with chalk pebbles	1.0	2.9
	'Very clayey' sandy gravel Gravel: coarse with flint dominant, and fine with chalk dominant; some cobbles Sand: fine with some medium and coarse; coarse mostly chalk Fines: silt and clay, chalky	1.0	3.9
Upper Chalk	Chalk, cobbly, soft, silty and sandy to 6.0 m	2.3+	6.2

GRADING

Mean for deposit percentages			Depth below surface (m)	Percentages							
Fines	Sand	Gravel		Fines	Sand			Gravel			
				-¼	+¼-3	+3-1	+1-4	+4-16	+16-64	+64	mm
35	38	27	2.9-3.9	35	28	4	6	20	14	3	

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SU 96 SE 24 9669 9297 **Northwood Farm** **Block B**

Surface level +8.8 m
Water not struck
August 1981

Overburden	2.8 m
Mineral	1.3 m
Waste	0.9 m
Mineral	2.8 m
Waste	0.6 m
Bedrock	0.5 m+

LOG

Geological classification	Lithology	Thickness m	Depth m
	Soil	0.2	0.2
Brickearth	Clay, silty, mottled grey-brown and reddish brown, with some large angular flints in lower part	1.8	2.0
Raised Beach Deposits (younger)	a 'Very clayey' pebbly sand Gravel: coarse and fine, angular to subrounded; flint (some white and porous) with some chalk and sandstone and traces of other rock fragments Sand: fine with medium and some coarse Fines: silt, brown	1.3	3.3
	Silt, sandy, very chalky, pale olive, with abundant pebbles of chalk and some nodular flint	0.6	3.9
	b 'Very clayey' pebbly sand Gravel: fine and coarse with some cobbles, angular to subrounded; flint with chalk and some limestone, sandstone and traces of other rock fragments Sand: fine with medium and some coarse; some chalk Fines: silt and clay, chalky, brown	1.0	4.9
	c 'Clayey' pebbly sand Gravel: fine and coarse, composition as 'b' Sand: fine and medium with coarse; some chalk Fines: silt, chalky, brown	1.0	5.9
	Silt, sandy, very chalky, with chalk and flint pebbles	0.6	6.5
Upper Chalk	Chalk, hard, white, with nodular flint, brecciated, sandy near top	0.5+	7.0

GRADING

	Mean for deposit percentages			Depth below surface (m)	Percentages						
	Fines	Sand	Gravel		Fines	Sand			Gravel		
					-¼	¼ -1	1 -4	4 -16	16 -64	64 mm	
a	38	54	8	2.0-3.0	38	40	10	4	4	0	
				3.0-3.3	38	37	10	3	6	4	2
				Mean	**38**	**40**	**10**	**4**	**4**	**trace**	
b	36	53	11	3.9-4.9	36	37	11	5	6	3	2
c	18	63	19	4.9-5.9	18	27	23	13	13	7	0
a+b+c	31	57	12	**Mean**	**31**	**36**	**14**	**7**	**7**	**4**	**1**

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