



**PHASE I DESKTOP STUDY AND
PRELIMINARY RISK ASSESSMENT
REPORT
AT
WORTHING ROAD, HORSHAM
FOR
STARBUILD LIMITED**

Report Reference: 4444-23 PI

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1	November 2023	First Issue	-	-	-
2	November 2023	Additional of Walkover	JD	ADD	ADD
3	March 2024	Additional Information Provided	JD	ADD	ADD
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LIST OF ACRONYMS

Acronym	Meaning
BGS	British Geological Survey
BH	Borehole
CDM	Construction Design and Management
CL:AIRE	Contaminated Land: Applications In Real Environments
CLR	Contaminated Land Report
COSHH	Control Of Substances Hazardous to Health
CSM	Conceptual Site Model
DCP	Dynamic Cone Penetrometer
DEFRA	Department for Environment Foods and Rural Affairs
DoE	Department of Environment
DP	Dynamic Probe
DWS	Drinking Water Standard
EA	Environment Agency
EQS	Environmental Quality Standard
GAC	Generic Acceptance Criteria
HA	Hand Auger
HP	Hand Pit
LPA	Local Planning Authority
LQM	Land Quality Management
mbgl	Metres Below Ground Level
MP	Mackintosh Probe
NGR	National Grid Reference
NPPF	National Planning Policy Framework
OS	Ordnance Survey
SGV	Soil Guideline Value
SPOSH	Significant Possibility of Significant Harm
SPZ	Source Protection Zone
SSSI	Site of Special Scientific Interest
SSV	Soil Screening Value
TP	Trial Pit
TT	Trial Trench
WS	Windowless Sample / Window Sample
WSV	Water Screening Value

1. INTRODUCTION

1.1 BACKGROUND AND INSTRUCTION

GeoEnviro Solutions Limited (GES) were instructed by Starbuild Ltd (the Client) to produce a Phase I: Desktop Study and Preliminary Risk Assessment Report for the site located at The Copse, Worthing Road, Horsham, RH13 9AT.

A site location plan is presented as Drawing 4444-23/01 in **Appendix 1**.

This report is written in accordance with the guidance set out in Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3, and the National Planning Policy Framework (NPPF), BS10175:2022+A2:2017 and YALPAG Technical Guidance for Developers, Landowners & Consultants (v11.2 – June 2020).

1.2 PROPOSED DEVELOPMENT

It is currently proposed to demolish the existing property and construct a new 70 bed care home.

A proposed development plan, as provided to GES, drawn by Fluid London, referenced FL24-2145-055E and dated February 2024 is provided within **Appendix 1**.

This proposed development plan has been utilised in the preparation of this risk assessment, based upon a 'Residential without Home Grown Produce' end-use. If an alternative development is subsequently proposed this assessment may need revising and should not be relied upon in its present outcome.

1.3 OBJECTIVES

The objectives of this Phase I report are to:

- To gain an understanding of any concerns of the regulatory authorities (Local Authority Planning, Building Control and Environmental Health departments and the Environment Agency) regarding local land filling, flooding, mining, quarrying and other concerns.
- Establish the environmental setting, including sensitivity in relation to human health, surface water, groundwater, and ecological receptors.
- Review historical and recent uses to assess the potential for contamination to be present from past and current land-use.
- Assess by qualitative means the potential nature and extent of contamination from those uses and the environmental risk and liabilities which may affect the site redevelopment.
- Identify the prevalent source-pathway-receptor linkages present on site by means of a Tier 1 contamination risk assessment which incorporates the formulation of a Conceptual Site Model.

1.4 INFORMATION SOURCES

During the production of this report the following primary information sources have been utilised:

- Envirocheck Report data obtained from Landmark Information Group Ltd.

- Historical Ordnance Survey mapping at scales ranging from 1:1,250 to 1:10,560, obtained from Landmark.
- BGS Open Geoscience online geological mapping tool.
- OS Open Data online mapping tool.
- Coal Authority Online interactive map.

1.5 PREVIOUS INVESTIGATIONS

As of 29th February 2024, GES has been provided with a water supply feasibility study and update post drilling testing of borehole report compiled by Carbon Zero Consulting in August 2023 and a hybrid planning application compiled by Parker Dann Chartered Town Planning Consultants in July 2023.

Upon review of the reports aforementioned the information contained within does not provide any further insights that would be relevant to this report.

2. SITE LOCATION AND DESCRIPTION

2.1 SITE LOCATION

The site is located at The Copse, Worthing Road, Horsham, at approximate National Grid Reference (NGR): 515962:128161 (centre of the site).

2.2 SITE DESCRIPTION

A site walkover was carried out on the 22nd November 2023 and is summarise below.

The site comprises an irregular shaped piece of land with an approximate area of 2.62 Ha.

The topography of the site is generally flat, with the exception of the western part of the site, across the watercourse, that is sloping downwards towards the east.

The site is currently occupied by a single residential property adjacent to Worthing Road with the balance of the site being occupied by undeveloped scrubland with trees and an inland river providing the primary boundary demarcation. Several large stockpiles of demolition debris and wood can be found across the site.

The predominant site coverage consists of grass over soil soft standing, with small sections of grass over tarmac and concrete hardstanding near the residential property to the east of the site.

It should be noted that during the walkover, local fauna comprising of deer and fawns were spotted on site.

An approximate distribution of the surface covering is given below in Table 2.1.

Table 2.1: Site Surface Covering

Type of Surface Cover	Distribution (%)
Soft Ground (grassed and landscaped areas)	95
Hardstanding	4
Roadways	0
Buildings	1
Water (ponds, streams)	0

The site is bounded by Worthing Road to the east and generally agricultural land to the north and west , with further undeveloped land and residential properties to the south.

Access to the site is via Worthing Road to the east.

A selection of photographs from the site walkover are presented in [Appendix 2](#).

Surrounding Area

The current surrounding land use to the site is generally residential to the south and east with open farmland to the north and west.

The topography of the surrounding area is generally flat.

3. ENVIRONMENTAL AND GEOLOGICAL SETTING

Information on the environmental and geological setting of the site is presented in a Envirocheck Report prepared for the site; a copy of this report is presented in [Appendix 3](#).

3.1 SITE GEOLOGY

The site geology has been assessed by reference to information from British Geological Survey (BGS) mapping summarised in the Envirocheck data. Information from these sources referenced in this report has been predominantly limited to that identified within 50 m of the site (underlying geology) or 250 m of the site (structural features, borehole records), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Artificial / Made Ground

There are no records of artificial deposits underlying or within 250 m of the site.

Superficial Ground and Drift Deposits

There are no records of superficial deposits underlying or within 250 m of the site.

Bedrock Geology

Underlying the superficial deposits is bedrock comprises of Weald Clay Formation (Mudstone) in the north and centre of the site and Horsham Stone Member (Calcareous Sandstone) in the south, east and west of the site. (BGS Lexicon Description).

Landslips

There are no records within 500 m.

Linear Features

There are no records of linear features directly under the site.

Natural Ground Subsidence

The following hazard ratings applicable to the site and land within 50 m are presented in the Enviro + Geo Insight Report:

- | | |
|--|-------------|
| • Shrink / swell clays: | Low. |
| • Running sands: | Negligible |
| • Compressible deposits: | Negligible. |
| • Collapsible deposits: | Very low. |
| • Landslides: | Very low. |
| • Ground dissolution of soluble rocks: | Negligible. |

3.2 BOREHOLE RECORDS

There are two boreholes recorded within 50 m of the site, located 12 m northeast and 22 m east of the northern boundary of the site. Both are associated with the nearby Horsham bypass. Both are very shallow (3.0 m and 2.3 m respectively) and therefore do not provide any substantive information.

3.3 HYDROGEOLOGY

These records are derived by Landmark from Environment Agency and British Geological Survey data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report. Information from these sources referenced in this report have been predominantly limited to those identified within 250 m of the site (or 1000 m of the site for abstractions), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

The Environment Agency aquifer designations used within the following sections are summarised in Table 3.1, below.

Table 3.1: Aquifer Designations

Definition	Description
Principal Aquifer	Layers with high intergranular and/or secondary permeability capable of supporting water supplies at strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as Major Aquifers.
Secondary (A) Aquifer	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.
Secondary (B) Aquifer	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water bearing parts of former non-Aquifers.
Secondary Undifferentiated Aquifer	Layers that cannot be attributed to a category A or B rock type. These layers could have previously been described as a minor or a non-aquifer due to their variable characteristics.
Unproductive strata	Rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

Aquifer within Superficial Deposits

There are no superficial deposits recorded underlying the site.

Aquifer within Bedrock Geology

The Weald Clay Formation is designated as being Unproductive. The Horsham Stone Member is designated as a Secondary A Aquifer.

Permeability of Bedrock Deposits

The minimum and maximum permeability of the Weald Clay Formation are recorded as being very low and low respectively and the flow type is recorded as fractured. The minimum and maximum permeability of the Horsham Stone Formation are recorded as being moderate and high respectively and the flow type is recorded as mixed.

Groundwater Vulnerability

The site is recorded to be located within an area where the EA considers the groundwater within the Weald Clay Formation to be an unproductive Aquifer. The Horsham Stone Member is considered to have a high vulnerability to mobile pollutants, as summarised in Table 3.2 overleaf.

Table 3.2: Groundwater Vulnerability Definitions

Definition	Description
High Vulnerability	Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
Medium Vulnerability	Intermediate between high and low vulnerability.
Low Vulnerability	Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Groundwater Abstraction Licences

There are no licensed ground water abstractions within 500 m of the site.

Potable Water Abstraction Licences

There are no potable abstractions within 2000 m of the site.

Source Protection Zones

There are no Source Protection Zones (SPZ) within 500 m of the site.

3.4 HYDROLOGY

These records are derived by Landmark from Environment Agency and British Geological Survey data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report. Information from these sources referenced in this report have been predominantly limited to that identified within 250 m of the site (aquifers, surface water) or 1000 m of the site (abstractions), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Ordnance Survey Water Network

There are 14 records within 250 m, the closest of which is in respect of four entries on site related to an un-named watercourse, three as surface entries, one as an underground entry. Nine of the remaining 10 all refer to the same watercourse, three of which are underground and the remaining seven are above ground. The remaining entry is located 208 m southwest of the site refers to a lake, loch or reservoir.

Surface Water Features

There are twelve surface water courses within 250 m of the site, all of which are un-named.

Water Framework Directive Surface Water Bodies and Catchments

There is one entry reported on site, recorded as a river within the Arun Horsham water body catchment of the Arun Upper operational catchment.

Surface Water Abstraction Licences

There are no licensed surface water abstractions within 250 m of site.

3.5 ENVIRONMENTALLY SENSITIVE AREAS

These records are derived by Landmark from EA, Natural England, Historic England, English Heritage, Forestry Commission and UK Government data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report.

Information from these sources referenced in this report have been predominantly limited to that identified within 500 m of the site (environmental designations) or 250 m of the site (habitat, visual and cultural designations), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Sensitive Land Uses

There is one designated ancient woodland recorded within 500 m of the site, recorded 17 m east of the site with respect to Newlane Wood.

The site lies with a Nitrate Vulnerable Zone, with respect to surface water in respect of the river Arun.

4. PAST LAND USE AND POTENTIAL CONTAMINANT SOURCES

Information on past land use and potential contaminant sources is presented in an Envirocheck Report prepared for the site; a copy of this report is reproduced in [Appendix 3](#).

4.1 LAND USE RECORDS

These records are derived by Landmark from historical mapping and each record corresponds to a particular map revision date. Thus, several records may refer to the same feature where it is present over time. Differences in distances quoted from the study site may be due to expansion of the feature over time or geolocation errors.

Information from these sources referenced in this report have been predominantly limited to that identified within 250 m of the site, in order to focus on the information directly relevant to the site. Information from outside this radius will be referenced when deemed relevant.

Contemporary Trade Directory

There is no historical land uses recorded within 250 m of the site.

Fuel Stations

There are no records of historical petrol stations within 250 m of the site.

Commercial Services

There are no records of commercial services within 250 m of the site.

Education and Health

There are no records of education and health land uses within 500 m of the site.

Manufacturing and Production

There are no records of manufacturing services land uses within 250 m of the site.

Public Infrastructure

There are no records of public infrastructure land uses within 250 m of the site.

Recreational and Environmental

There are no records of recreational and environmental land uses within 500 m of the site.

Underground Electricity Cables

There are no records of high voltage (HV) underground electricity cables within 500 m of the site.

Gas and / or Oil Pipelines

There are no records of medium- or high-pressure underground gas or oil supply pipelines within 500 m of the site.

4.2 ENVIRONMENTAL PERMITS, INCIDENTS AND REGISTERS

These records are derived by Landmark from local authority, Health and Safety Executive and Environment Agency data. Details of the source and coverage of specific records are provided in the Envirocheck Report. Information from these sources referenced in this report have been predominantly limited to that identified within 250 m of the site, in order to focus on the

information directly relevant to the site. Information from outside this radius will be referenced when deemed relevant.

Sites Determined as Contaminated Land

There are no records of sites determined as contaminated land under Part 2A of the Environmental Protection Act 1990 within 500 m of the site.

Control of Major Accident Hazards (COMAH)

There are no records within 250 m of the site.

Regulated Explosive Sites

There are no records within 250 m of the site.

Notification of Installations Handling Hazardous Substances (NIHHS)

There are no records within 250 m of the site.

Planning Hazardous Substances Consents

There are no records within 250 m of the site.

Planning Hazardous Substances Enforcements

There are no records within 250 m of the site.

Prosecutions Relating to Controlled Waters

There are no records within 250 m of the site.

Enforcement and Prohibition Notices

There are no records within 250 m of the site.

Integrated Pollution Controls

There are no records within 250 m of the site.

Integrated Pollution Prevention and Control

There are no records within 250 m of the site.

Local Authority Pollution Preventions

There are no records within 250 m of the site.

Pollution Incidents to Controlled Water

There is one record noted within 250 m of the site. This record refers to an incident that occurred on the 25th January 1994 and was recorded as a category 3 minor incident involving a domestic/residential oil pollutant within the tributary of the river Arun.

Prosecutions Relating to Authorised Processes

There are no records within 250 m of the site.

Substantiated Pollution Incident Register

There are no records within 250 m of the site.

Water Industry Act Referrals

There are no records within 250 m of the site.

4.3 WASTE AND LANDFILL

These records are derived by Landmark from Environment Agency, British Geological Survey, Ordnance Survey (interpreted by Landmark) and local authority data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report.

Information from these sources referenced in this report have been predominantly limited to that identified within 500 m of the site (landfills) or 250 m of the site (non-landfill waste operations), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

BGS Recorded Landfill Sites

There are no records within 500 m of the site.

Historical Landfill Sites

There is one record within 500 m of the site. This relates to an inert landfill located 85 m northeast of the site, recorded as being active between 1987 and 1988.

IPC Registered Landfill Sites

There are no records within 500 m of the site.

Licensed Waste Management Facilities

There is one record within 500 m of the site. This record refers to the Syracuse Waste Ltd facility located 459 m north from the site, which primarily manages household waste.

Local Authority Landfill Records

There are two records of local authority landfills within 500 m of the site. The closest of which is an unknown status located 327 m northwest from the site, with the furthest record noted 437 m north and refers to an inert landfill.

The site lies within the Horsham District Council and West Sussex County Council local authority landfill coverage.

Potentially Infilled Land

There is one record of potentially infilled land within 500 m of the site. This is noted 347 m north with an unknown water filled ground category dated 1961.

Registered Landfill Sites

There is one record within 500 m of the site. This record is noted 374 m northwest from the site and refer to a surrendered landfill that primarily contained broken tarmac, concrete, hardcore, stone, clay and soil.

Registered Waste Transfer Sites

There are three records within 500 m of the site. All records are noted 472 m north from the site. Two of the licence holders are labelled as West Sussex County Council, whilst the remaining site is overseen by Wyvern Waste Services Ltd.

Registered Waste Treatment or Disposal Sites

There are no records within 500 m of the site.

4.4 MINING, GROUND WORKINGS AND NATURAL CAVITIES

These records are derived by from British Geological Survey, Ordnance Survey (interpreted by Landmark), Coal Authority, Peter Brett Associates, Johnson Poole and Bloomer, Cheshire

Brine Subsidence Compensation Board, British Gypsum, Mining Searches UK, Kaolin and Ball Clay Association and local authority data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report.

Information from these sources referenced in this report have been predominantly limited to that identified within 250 m of the site, in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Cavities – Natural or Man-Made

There are no records within 500 m of the site.

BGS Recorded Mineral Sites

There are no records within 500 m for brine extraction, gypsum, tin or clay mining.

Coal Mining

There are no records within 500 m for coal mining.

Non-Coal Mining

There is one entry relating to the site, where Iron Ore mining may have occurred in the past. The potential for difficult ground conditions is unlikely.

4.5 RADON

These records are derived from the UK Health Security Agency. Information from these sources referenced in this report have been predominantly limited to that identified within a 1 km grid containing the site.

The study site is not located within a Radon Affected Area, as less than 1% of properties are above the Radon Action Level. No radon protection measures are required.

4.6 BACKGROUND SOIL CHEMISTRY

Values estimated by BGS for background concentrations of six potentially harmful elements are provided as follows:

- Arsenic: 15 - 25 mg/kg.
- Lead: 100 mg/kg.
- Bioaccessible lead: 60 mg/kg.
- Cadmium: 1.8 mg/kg.
- Chromium: 60-90 mg/kg.
- Nickel: 15-30 mg/kg.

These values are not considered to be elevated with respect to guideline values for residential end-uses.

5. HISTORICAL MAPPING STUDY

5.1 HISTORICAL MAPPING

The object of this search was to report on the evidence of site history and redevelopment of the site and its environs from available County Series and Ordnance Survey Maps at scales ranging from 1:1,250 to 1:10,560 dating from 1875 to the present day, and Getmapping PLC aerial photography dating from 1999 to the recent past, as provided by Envirocheck.

Information in the historical mapping study has been predominantly limited to that identified on the site or within 100m of the site, in order to focus on the information directly relevant to the site. Information from outside this radius will be referenced when deemed relevant.

Each map or photographs only represents a “snap-shot” of the site and its environs at the date of the survey. Changes that had occurred at other times may not have been recorded on the maps and could represent an unidentified hazard to the site.

The information reported might not represent all pertinent information that could be obtained. The interpretation of the maps and/or other data commented on in this report is subjective.

The Historical Ordnance Survey Maps were obtained from Envirocheck and are available for review within [Appendix 4](#) and are summarised in Table 5.1 below.

Table 5.1: Historical Mapping Review

Date	Scale	On-Site	Offsite
1875	1:10,560	The site is occupied by agricultural land with a water course passing through the site running in an approximately north / south alignment.	The wider area is agricultural land with a road running in an approximately north / south alignment.
1879 - 80	1:10,560	There is no significant variation to the previous map.	There is no significant variation to the previous map.
1897	1:2,500	There is no significant variation to the previous map.	There is no significant variation to the previous map.
1911	1:2,500	There is no significant variation to the previous map.	There is no significant variation to the previous map.
1933	1:2,500	A building is located in the eastern part of the site, adjacent to the road. A smaller building is located just north of the main one.	The area to the south of the site is occupied by residential properties.
1938	1:10,560	There is no significant variation to the previous map.	There is no significant variation to the previous map.
1976 - 77	1:2,500	The main building in site is now identified as Copse.	There is no significant variation to the previous map.
1982 - 83	1:2,500	There is no significant variation to the previous map.	There is no significant variation to the previous map.
1993	1:2,500	There is no significant variation to the previous map.	There is no significant variation to the previous map.
2000	1:10,000	There is no significant variation to the previous map.	There is no significant variation to the previous map.
2006	1:10,000	There is no significant variation to the previous map.	There is no significant variation to the previous map.
2024	1:10,000	Western outbuilding is no longer present.	There is no significant variation to the previous map.

5.2 AERIAL PHOTOGRAPHY

1947 Aerial Photo

The 1947 aerial photo is generally unclear; however, the site appears to be occupied by the main building to the east of the site. The outbuilding to the north cannot be seen as the area is heavily wooded. The surrounding area developed to the south with residential properties.

1999 Aerial Photo

The 1999 aerial photo is generally unclear; however, the site appears to be occupied by the existing residential property, with visible outbuildings to the west. The outbuilding to the north cannot be seen as the area is heavily wooded. The surrounding area has developed from the southwest to the southeast with residential properties.

Recent Aerial Photograph:

Recent aerial photography shows the area of un-grassed land are now grassed.

The aerial photographs are included in the Envirocheck Report and are available for review within [Appendix 3](#).

5.3 SUMMARY

Review of available historical ordinance surveys maps indicated no discernible changes to the site area between the years 1876 and 1933, at which time the current residential property was built. Several outhouses have been built and removed since that date, but the majority of the site remains undeveloped to present day.

The surrounding area appears to have undergone minor develop to the south of the site with further residential properties, with a nursery being recorded in 1975 and no longer present on present day imagery.

6. FRAMEWORK FOR ASSESSMENT OF CONTAMINATION

Environmental risks are assessed within the risk management framework established in Part IIA of the Environmental Protection Act (EPA) 1990 introduced by Section 57 of the Environment Act 1995 which provides a statutory definition of contaminated land. To fall within this definition it is necessary that, as a result of the condition of the land, substances may be present on or under the land such that:

(a) Significant harm is being caused or there is a significant possibility of such harm being caused.

or

(b) Pollution of controlled water is being, or is likely to be, caused.

Risk from contamination is assessed by consideration of possible linkages between contaminant sources and potential receptors which could be harmed or polluted.

The key aspect of the framework is the development of a Conceptual Site Model (CSM) which illustrates the spatial interaction between the potential sources and receptors on site.

The information presented in this report was collated and evaluated to develop an initial CSM to assess ground contamination issues at the site.

For a risk of pollution or environmental harm to occur as a result of ground contamination, **all** of the following elements must be present:

- A source, i.e., a substance that is capable of causing pollution or harm.
- A receptor, i.e., something which could be adversely affected by the contaminant.
- A pathway, i.e., a route by which the contaminant can reach the receptor.

If one of these elements is absent there can be no significant risk. If all are present then the magnitude of the risk is a function of the magnitude and mobility of the source, the sensitivity of the receptor and the nature of the migration pathway.

Potential sources, pathways and receptors are identified in the sections below and the risks associated with possible pollutant linkages outlined.

6.1 SOURCES

On-Site Sources

With limited, small scale construction and demolition between 1933 and 2024, whilst the majority of the site remains undeveloped to present day, it is considered that no on-site sources exist.

Offsite Sources

The only potential off site source related to the presence of a pond or series of ponds, in excess of 100 m north of the site, last reported in 1961. Ponds, by their nature, are shallow in depth and relatively small in surface area. As such these are not considered a potential source.

6.2 PATHWAYS

For contaminants to reach potential receptors, there must be a viable **pathway** for the contaminant. Potential pathways that may affect the migration of contaminants are listed in Table 6.1, below.

Table 6.1: Pathways

Pathway	Medium	Properties
Direct Contact	Dust, solid and liquid phase	There may be direct contact with potentially impacted soil and Made Ground across the site. There is a possibility of dust fumes being produced during earthworks in the construction phase. Dermal contact and ingestion of potentially contaminated soils during construction or operational phase of the site.
Leaching through Made Ground	Unsaturated flow	Potential for leaching and migration of potential contaminants along preferential flow paths in the ground.
Foundations and Underground Infrastructure and Obstructions	Preferential flow	Contaminants will flow the path of least resistance which can be gaps around foundations, services, and floor construction
Migration of Ground Gas and Radon	Gaseous flow	Infilled land material is likely to be variable in composition. Migration through granular material within superficial deposits is possible.

6.3 RECEPTORS

The site-specific **receptors** that could be potentially affected by the contamination hazards identified during this preliminary appraisal are summarised in Table 6.2, below:

Table 6.2: Receptors

Category	Receptor	Properties
Humans	End users (such as residents and visitors)	Potential contact with contaminated soils is unlikely.
	Construction workers	Reworking of contaminant impacted materials in underlying soil during construction works can expose workers to contamination.
Property	Materials and site structures	Foundations and site services may be damaged by potentially aggressive compounds present in soils.
Controlled Waters	Underlying superficial / bedrock Aquifer and surface water	The site is recorded as having a Secondary (A) Aquifer within the bedrock underlying the southern part of the site.
Plant (species and uptake) and Wildlife	Various	Attributes will be influenced by factors such as relative quality, scale, rarity and substitutability.

7. QUALITATIVE RISK ASSESSMENT

Potential pollutant linkages are identified using the source-pathway-receptor framework detailed above. An assessment of the potential significance of each linkage is then made by consideration of the likely magnitude and mobility of the source, the sensitivity of the receptor and nature of the migration/exposure pathways.

This qualitative risk assessment has been undertaken in accordance with Annex 4 of the National House Building Council/Environment Agency/Chartered Institute of Environmental Health R&D publication 66, Guidance for the Safe Development of Housing on Land Affected by Contamination (NHBC/EA/CIEH, 2008) which updates and supersedes CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001).

A summary of the risk assessment protocols, and subsequent risk assessment matrix is provided in **Appendix 5**.

An assessment of the likelihood of the risk being realised and the magnitude of potential risk is presented below to give an estimation of the significance of each potential pollutant linkage identified. Where it is considered that there is no credible linkage, this is indicated in the table. In accordance with the R&D66 guidance, if there is no pollution linkage then there is no need to apply tests for probability and consequence.

The assessment is undertaken based on the current proposals for the site, at the time of issuing this report, which would be classed as a generic end land use of 'Residential with home grown produce'. Any change in the development proposals for the site involving a change in end use class may result in a requirement for this assessment to be revised.

7.1 DISCUSSION

Based on the significant lack of recent developments that have occurred on-site there is a near negligible potential of on-site sources from made ground containing elevated levels of possibly contaminants or asbestos. The absence of made ground across the site further removes the possibility for ground gas generation to occur.

Probable contamination sources within the off-site pond record noted in excess of 100 m from the site can be considered near negligible as ponds are comparatively shallow depth and relatively small in surface area.

8. PRELIMINARY CONCEPTUAL SITE MODEL

Contaminant Source	Pathways	Receptor	Pollutant Linkage	Classification of Probability	Classification of Consequence	Level of Risk	Justification
On Site: Made Ground soils on site possibly containing elevated metals, other inorganics, organics such as TPH, PAH, phenols, VOC and SVOCs.	Ingestion, dermal contact, inhalation of dusts/vapours	Future end users and site visitors	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
		Construction Workers	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
	Leaching through soils and migration via groundwater or soil pore moisture	Controlled Waters	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
	Permeation of water pipes	Construction materials, future end users and site visitors	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
	Uptake	Plant and Wildlife	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
On Site: Asbestos at/near ground surface in Made Ground soils.	Inhalation of fibres in airborne dust	Future end users and site visitors	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
		Construction Workers	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.

Contaminant Source	Pathways	Receptor	Pollutant Linkage	Classification of Probability	Classification of Consequence	Level of Risk	Justification
On Site: Ground Gases (CH ₄ , CO ₂ , CO, H ₂ S) from on-site sources.	Gas migration and build up within buildings (explosion/asphyxiation risk)	Future end users and building structures.	Considered inactive	-	-	Very Low ●	No onsite sources of contamination identified.
Off Site: Historical land uses and activities, Made Ground/infilled material possibly containing elevated metals, other inorganics, organics such as TPH, PAH, phenols, PCBs, VOC and SVOCs.	Leaching through soils and migration via groundwater or soil pore moisture	Future end users and site visitors	Considered inactive	-	-	Very Low ●	No offsite sources of contamination identified.
	Ingestion, dermal contact, inhalation of dusts/vapours	Future end users and site visitors	Considered inactive	-	-	Very Low ●	No offsite sources of contamination identified.
Off Site: Ground Gases (CH ₄ , CO ₂ , CO, H ₂ S) from off-site sources.	Gas migration and build up within buildings (explosion/asphyxiation risk)	Future end users and building structures.	Considered inactive	-	-	Very Low ●	No offsite sources of contamination identified.

9. RECOMMENDATIONS

Based on the preliminary CSM above, no on- or off- site sources have been identified as being sufficient significant to present a viable pollutant linkage. As such no further action is required with respect of contamination.

However, it is recommended that a suitable geotechnical site investigation is undertaken with respect to supporting foundation design. This is especially important as the site is underlain by two different bedrock strata.

9.1 CONSULTEES

It is highly recommended that this report be forwarded to the relevant Local Authority Environmental Health and Planning Departments to seek their comments and subsequent approval, otherwise further works may be required.

9.2 FLOOD RISK ASSESSMENT

This report does not replace a full hydrogeological survey and specialist studies may need to be undertaken to ascertain the risks posed from flooding. Further details on site flood information can be found within the appendices.

9.3 INVASIVE PLANT SURVEY

Any concerns relating to the possible presence of invasive plants should be undertaken by an appropriately qualified surveyor.

9.4 ASBESTOS SURVEY

Any concerns relating to the possible presence of Asbestos or Asbestos Containing Material (ACM) should be undertaken by an appropriately qualified surveyor.

10. RELIANCE AND LIMITATIONS

This report has been prepared by GES with all reasonable skill, care and diligence. The work undertaken to provide the basis of this report comprised a study of available documented information from a variety of sources, together with a site walkover inspection of the site, if undertaken.

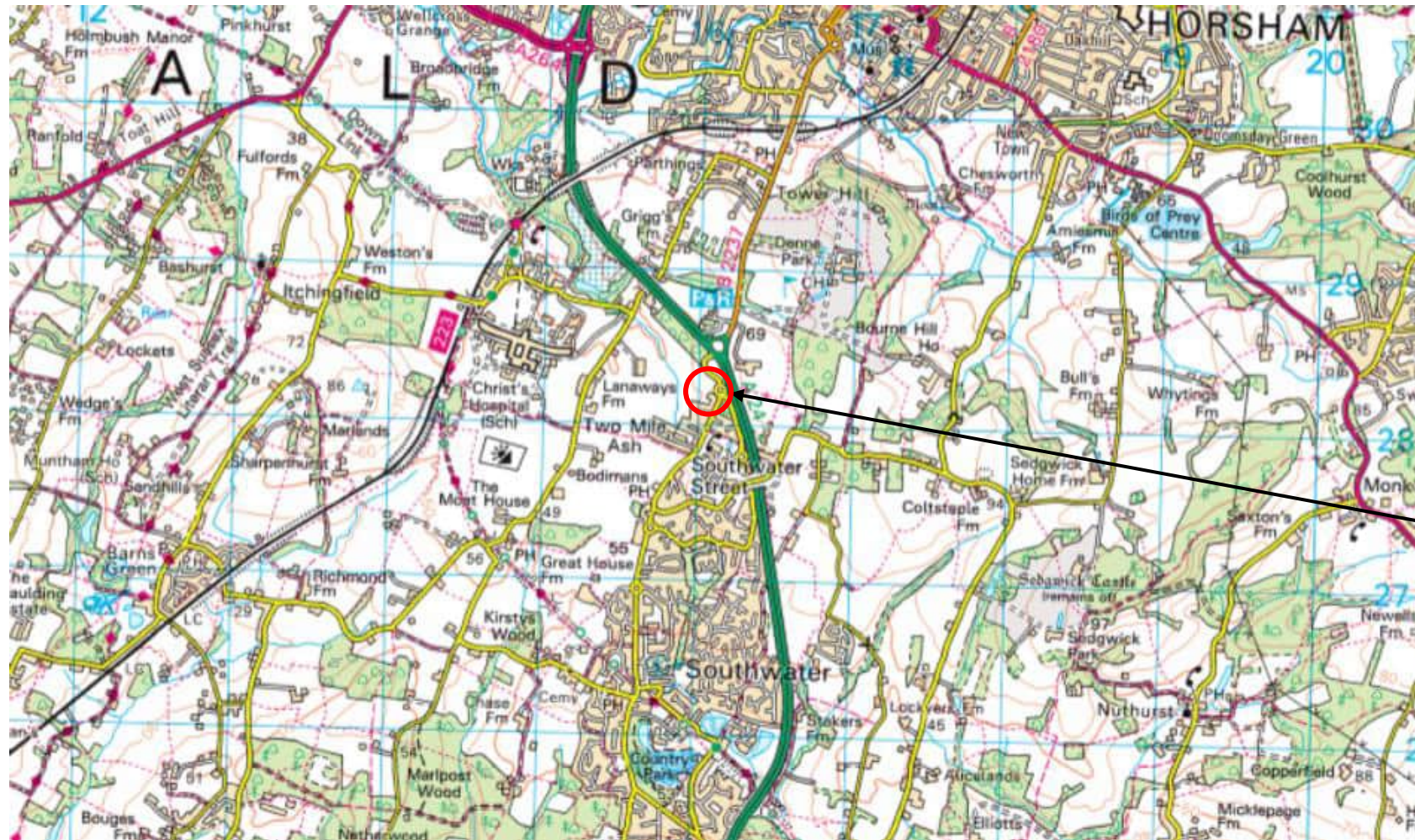
The opinions given in this report have been dictated by the finite data on which are they based and are relevant only to the purpose for which the report was commissioned.

Information reviewed should not be considered exhaustive and accepted in good faith as providing true and representative data with respect to site conditions. Should additional information become available which may influence the opinion expressed in this report, GES reserves the right to review such information and, if warranted, to alter the opinions accordingly.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site. This is an environmental Phase 1 report and does not consider the geotechnical implications for the site, its redevelopment and proposed future use. Further advice should be sought on geotechnical investigation requirements for the proposed development.

A green rounded rectangle with a thin black border, centered on the page. It contains the text 'APPENDIX 1' and 'DRAWINGS AND PLANS' in black, uppercase letters.

APPENDIX 1
DRAWINGS AND PLANS



General
Site
Location



GeoEnviro Solutions Ltd
Unit 7 Springvale Works
Brighouse
West Yorkshire
HD6 2RA
Tel: 01484 986010
Email: info@geoenvirosolutions.com
Web: www.geoenvirosolutions.com



PROJECT NAME

Worthing Road, Horsham

PROJECT NUMBER

4444-23

TITLE

Site Location Plan

DRAWING NO.

4444-23/01

SCALE

N.T.S

DATE

November 2023

DRAWN BY

ADD



This drawing is a preliminary design and is not to be used for construction. It is the property of the client and is not to be reproduced without the client's written consent. The client acknowledges that the design is preliminary and is not to be used for construction. The client acknowledges that the design is preliminary and is not to be used for construction.

Revision:	Description:	Date:
A	Layout amended following drainage and planning consultants feedback.	19/02/2024
B	Layout amended following drainage engineers feedback.	20/02/2024
C	50m Sorehole buffer zone added	20/06/2024
D	Red line amended	26/06/2024
E	Pond amendment	01/07/2024

- Site Boundary Line
- Site Under Same Ownership
- 3m Watercourse Easement



THE COPSE
WORTHING ROAD
SOUTHWATER

STARBUILD

Drg No	FL24-2145-055
Title	Proposed Site Layout
Revision	E
Scale at A1	1:500
Status	PLANNING
Date	Feb 2024



THE ACADEMY
OF URBANISM

APPENDIX 2
SITE PHOTOGRAPHS

Site: Worthing Road, Horsham

Client: Starbuild Limited

Job Reference: 4444-23



A.



B.



C.



D.



A. Entrance to site from Worthing Road.
Photo taken facing west.

B. Derelict residential building located to
the east of the site with surrounding
heras fencing.

C. Small pile of demolition material
located to the northeast of the site.

D. Overgrown derelict storage sheds.

Site: Worthing Road, Horsham
Client: Starbuild Limited
Job Reference: 4444-23



E.



F.



G.



H.



E. Corrugated metal roof panels pile located to the rear of the storage sheds.

F. Inland river trench with vitrified clay outlet pipe. Photo taken upstream, facing east.

G. Northern boundary of site with boundary trees and inland river trench. Photo taken facing west.

H. Stockpiled demolition material consisting primarily of bricks and concrete. Stockpile is located adjacent to western face of residential property to the east of the site.

Site: Worthing Road, Horsham
Client: Starbuild Limited
Job Reference: 4444-23



I.



J.



K.



L.



I. Southern perimeter fence bordering the residential properties to the south of the site.

J. Additional stockpile of demolition material and old wood.

K. Additional stockpile of wood located to the west of the site.

L. Photo of local fauna on site. Appeared to be two does and two fawns during walkover.

Site: Worthing Road, Horsham

Client: Starbuild Limited

Job Reference: 4444-23

M.



N.



O.



M. Secondary inland river. Photo taken facing south and upstream.

N. Photo of inland river facing west. Due to large gap of banks on either side, unable to cross safely during walkover.

O. Photo of western section of site with two visible stockpiles of wood.

APPENDIX 3
ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

358878196_1_1

Customer Reference:

4444-23

National Grid Reference:

516060, 128180

Slice:

A

Site Area (Ha):

0.9

Search Buffer (m):

1000

Site Details:

The Entertainer, Unit 2
Bishops Weald House
Albion Way
HORSHAM
RH12 1AH

Client Details:

Mr J Dickinson
GeoEnviro Solutions Ltd
Unit 7 Springvale Works
Brookfoot Lane
Brighouse
HD6 2RA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	21
Hazardous Substances	-
Geological	24
Industrial Land Use	28
Sensitive Land Use	33
Data Currency	34
Data Suppliers	40
Useful Contacts	41

Introduction

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

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Report Version v53.0

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	2	10
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 5			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5		1		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	pg 5				2
Water Abstractions	pg 5				1 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				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
OS Water Network Lines	pg 7		14	23	82

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 21		1		1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 21			1	1
Local Authority Landfill Coverage	pg 21	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 22			2	
Potentially Infilled Land (Non-Water)	pg 22				2
Potentially Infilled Land (Water)	pg 22			1	4
Registered Landfill Sites	pg 22			1	
Registered Waste Transfer Sites	pg 23			3	
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 24	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 24	Yes			
BGS Recorded Mineral Sites	pg 24				15
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 26	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 27	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 27	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 27	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 28			21	7
Fuel Station Entries	pg 30			1	
Points of Interest - Commercial Services	pg 30			10	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 31			1	1
Points of Interest - Public Infrastructure	pg 31			6	2
Points of Interest - Recreational and Environmental	pg 32				3
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	pg 33		1		10
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 33	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	A13SW (SW)	0	1	516000 128150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NE)	0	1	516056 128178
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	190	1	516300 128050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	348	1	516400 128450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	348	1	516350 128500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	352	1	515650 128350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	376	1	515600 128300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	406	1	516300 128600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (NW)	410	1	515800 128550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	416	1	515550 128050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	421	1	515600 128400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	451	1	515600 128450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	458	1	516550 127950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	498	1	515500 127950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	499	1	516300 128700
1	Discharge Consents Operator: Mrs M Calvert Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Picts House, Tower Hill, Horsham, West Sussex, Rh13 0ae Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02746 Permit Version: 1 Effective Date: 23rd March 1983 Issued Date: 23rd March 1983 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	A13NE (NE)	216	2	516340 128300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: The Chief Technical Officer Property Type: OFFICES ADMIN + SUPPORT Location: Hop Oast, Southwater, West Sussex Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: P02290 Permit Version: 1 Effective Date: 14th June 1989 Issued Date: 14th June 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater Stream Or River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SE (N)	376	2	516200 128600
2	Discharge Consents Operator: R.E. Skeet (District Engineer) Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Proposed New Depot, Hop Oast, Southwater West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02291 Permit Version: 1 Effective Date: 2nd May 1989 Issued Date: 2nd May 1989 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SE (N)	376	2	516200 128600
3	Discharge Consents Operator: Biffa Waste Services Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Horsham Household Waste Recycling Hop Oast, Worthing Road, Horsham, West Sussex, RH13 7ar Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: Npswqd004518 Permit Version: 1 Effective Date: 5th January 2009 Issued Date: 5th January 2009 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Land Drain Leading River Arun 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	A18SE (N)	527	2	516078 128755
4	Discharge Consents Operator: Phillip Middleton & Julian Middleton Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Kings Farm, Coltstaple Lane, Horsham, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P06338 Permit Version: 1 Effective Date: 3rd September 1996 Issued Date: 3rd September 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: 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 100m	A14SW (E)	596	2	516700 127950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Mr C A Devonshire Property Type: Undefined Or Other Location: Lanaways Barn, Two Mile Ash Road, Horsham, West Sussex, Rh13 0la Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P03856 Permit Version: 1 Effective Date: 21st October 1991 Issued Date: 21st October 1991 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	653	2	515300 128200
6	Discharge Consents Operator: Mr Micheal Roberts Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Bodiams, Two Mile Ash Road, Horsham, West Sussex, Rh13 0la Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P07032 Permit Version: 1 Effective Date: 16th January 1998 Issued Date: 16th January 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: 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 100m	A7NE (SW)	658	2	515400 127800
7	Discharge Consents Operator: Mr & Mrs Langtree Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Barn At Kings Farm, Coltstaple Lane, Southwater, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P04032 Permit Version: 1 Effective Date: 16th December 1991 Issued Date: 16th December 1991 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14SE (E)	707	2	516800 127900
8	Discharge Consents Operator: MRS V FARJEON Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Newfound Out Bungalow, Reeds Lane, Southwater, Horsham, West Sussex, Rh13 9dq Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P07741 Permit Version: 1 Effective Date: 12th August 1999 Issued Date: 12th August 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: 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	A9NE (SE)	784	2	516800 127730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Mr K Pearce Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Oaklands Farm Newfoundout Oaklands Farm, Coltstaple Lane, Newfoundout, Southwater, West Sussex, Rh13 9bb Authority: Environment Agency, Southern Region Catchment Area: The River Arun Reference: P12992 Permit Version: 1 Effective Date: 16th February 2007 Issued Date: 16th February 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of The River Adur 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	A14SE (E)	871	2	516990 127960
10	Discharge Consents Operator: Mr Robin Green Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Runnymede Farm, Southwater Runnymede Farm, Reeds Lane, Southwater, West Sussex, Rh13 9dq Authority: Environment Agency, Southern Region Catchment Area: Adur Reference: P12083 Permit Version: 1 Effective Date: 4th May 2004 Issued Date: 4th May 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land/Into Watercourse Environment: Receiving Water: Ditch To Unnamed Trib.R.Adur Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	871	2	516600 127410
11	Discharge Consents Operator: Mr N Pearce Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Gate Cottage, Denne Park, Worthing Rd, Horsham, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P09015 Permit Version: 1 Effective Date: 17th March 2000 Issued Date: 17th March 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A18NE (N)	925	2	516300 129140
12	Discharge Consents Operator: Mr G A Knox Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Bungalow, Reeds Lane, Southwater, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P10357 Permit Version: 1 Effective Date: 30th May 2002 Issued Date: 30th May 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	935	2	516670 127380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Local Authority Pollution Prevention and Controls Name: Shell Uk Ltd Location: Hop Oast, A24 Horsham By Pass, Southwater, HORSHAM, West Sussex, RH13 Authority: Horsham District Council, Environmental Health Department Permit Reference: Pss/7 Dated: 21st December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18SE (N)	345	3	516066 128570
	Nearest Surface Water Feature	A13NE (NE)	1	-	516130 128232
14	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Tributary Of River Arun Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil; Domestic/Residential Incident Date: 25th January 1994 Incident Reference: 850 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	232	2	515850 127950
15	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Pond By Caravan Site At, SOUTHWATER Authority: Environment Agency, Southern Region Pollutant: Crude Sewage Note: Suspected Crude Sewage in Pond Incident Date: 14th February 1997 Incident Reference: 2037 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Sewage - Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	951	2	515900 127200
16	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 7th June 2005 Incident Reference: 318420 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils	A18NE (N)	703	2	516342 128901
17	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 18th August 2002 Incident Reference: 101191 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A8SW (S)	964	2	515928 127184
18	Water Abstractions Operator: Horsham Leisure Limited Licence Number: So/041/0025/003 Permit Version: 1 Location: Borehole At Horsham Leisure 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: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 18th May 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	796	2	516687 128799

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: M Ford, Esq Licence Number: 332503 Permit Version: Not Supplied Location: Butlers Gill, Tributary Of The Adur, SOUTHWATER Authority: Environment Agency, Southern Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Tributary Blakes Gill 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	(S)	1836	2	516700 126400
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SW (W)	0	4	516000 128156
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (NE)	0	4	516056 128178
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SW (W)	0	4	516000 128178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Unproductive Aquifer (may have productive aquifer beneath) Classification: Combined Unproductive Vulnerability: Unproductive Bedrock Aquifer, No Superficial Aquifer Combined Aquifer: Low Pollutant Speed: Well Connected Fractures Bedrock Flow: 300-550 mm/year Dilution: 40-70% Baseflow Index: <90% Superficial Patchiness: <3m Superficial Thickness: No Data Superficial Recharge:	A13SW (W)	0	4	516021 128181
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	4	516056 128178
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (W)	0	4	516021 128181
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 320.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NE (N)	1	5	516051 128205
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NE (NE)	7	5	516135 128235
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NE (NE)	36	5	516162 128248
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (W)	82	5	515870 128155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (W)	96	5	515858 128181
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (W)	98	5	515860 128214
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (W)	102	5	515860 128214
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	173	5	515860 128012
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	175	5	515863 128008
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	198	5	515874 127976
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	200	5	515876 127974
30	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	208	5	515879 127964
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	211	5	515824 128337

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	244	5	515873 127928
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SE (S)	251	5	516101 127899
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	273	5	515780 128381
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SW (SW)	283	5	515851 127894
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A8NW (SW)	324	5	515894 127838
37	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A8NE (S)	326	5	516155 127822
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A8NW (S)	330	5	515912 127829
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	333	5	515746 128430
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A8NW (S)	337	5	515933 127818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	348	5	515746 128449
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SW (N)	386	5	516006 128597
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	401	5	515729 128502
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 343.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SW (N)	441	5	515957 128639
45	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	451	5	515707 128548
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SW (N)	453	5	516024 128672
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SW (N)	454	5	516025 128673
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	459	5	515702 128554
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 225.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	489	5	515462 128160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	490	5	515465 128107
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	490	5	515465 128107
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	491	5	515465 128094
53	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	491	5	515464 128103
54	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	491	5	515464 128101
55	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 41.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	491	5	515464 128101
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (E)	511	5	516625 128382
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (E)	521	5	516636 128382
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (E)	527	5	516643 128381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	531	5	515423 128106
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	532	5	515644 128603
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8NE (S)	546	5	516224 127609
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (NE)	549	5	516619 128486
63	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	549	5	515631 128614
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (NE)	551	5	516618 128489
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 377.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	560	5	515414 128321
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 199.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (NE)	567	5	516344 128756
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (N)	572	5	516269 128785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (E)	573	5	516700 128351
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (E)	578	5	516705 128351
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (N)	581	5	516275 128794
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	583	5	516456 128713
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	584	5	516451 128718
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	588	5	515620 128654
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	589	5	516474 128709
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	589	5	516474 128709
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	589	5	516545 128649

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	600	5	516561 128648
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	600	5	516561 128648
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	611	5	516738 128355
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (N)	613	5	516106 128844
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	617	5	516498 128725
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	621	5	516630 128598
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	621	5	516749 128353
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	622	5	516630 128601
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	623	5	516503 128730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	639	5	516627 128633
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	641	5	516631 128631
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	641	5	516773 128337
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	646	5	516778 128339
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	655	5	516115 128886
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 279.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	660	5	516098 128891
92	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	660	5	515553 128695
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	664	5	515551 128698
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	668	5	516149 128899

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	668	5	516149 128899
96	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 37.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	674	5	516576 128736
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	676	5	516674 128633
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	679	5	516641 128677
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	681	5	516318 128886
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	681	5	516267 128899
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	682	5	516229 128907
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NE (N)	683	5	516224 128907
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	694	5	516830 128327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	696	5	516839 128288
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	697	5	516664 128679
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	698	5	516831 128342
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	703	5	516846 128284
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	705	5	516835 128359
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	705	5	516835 128359
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A14SE (E)	728	5	516815 127883
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17NE (NW)	746	5	515709 128874
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NW (N)	756	5	515838 128930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NW (N)	758	5	515862 128941
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	765	5	515401 128699
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8SE (S)	767	5	516151 127381
116	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NW (N)	773	5	515869 128960
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	786	5	515398 128727
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NW (N)	790	5	515770 128945
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	799	5	515393 128740
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18NW (NW)	808	5	515732 128950
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	809	5	515429 128787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	813	5	515387 128754
123	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 96.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	819	5	515465 128830
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	821	5	515432 128805
125	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	825	5	515382 128765
126	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	825	5	515397 128779
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17NE (NW)	826	5	515502 128862
128	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	836	5	515379 128778
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	844	5	515348 128759
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8SE (S)	845	5	516156 127303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8SE (S)	848	5	516155 127300
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17NE (NW)	855	5	515636 128963
133	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	859	5	515345 128777
134	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 170.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	873	5	515343 128794
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8SE (S)	905	5	516134 127243
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8SE (S)	915	5	516130 127232
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Adur and Teville Primacy: 1	A8SW (S)	966	5	515929 127181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Historical Landfill Sites Licence Holder: Wimpey Construction UK Limited Location: Southwater, Sussex Name: Hop Oast Roundabout Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19927 First Input Date: 21st October 1987 Last Input Date: 30th September 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8048 BGS Ref: Not Supplied Other Ref: 3/BU/87, WD13/102, WD27/204	A13NW (N)	85	2	516047 128290
139	Historical Landfill Sites Licence Holder: Not Supplied Location: Southwater, Sussex Name: Reeds Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19951 First Input Date: 31st December 1968 Last Input Date: 31st December 1975 Specified Waste: Deposited Waste included Industrial Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8004 BGS Ref: Not Supplied Other Ref: WD27/257	A8SE (S)	883	2	516363 127294
140	Licensed Waste Management Facilities (Locations) Licence Number: 19682 Location: Horsham H W R C, Worthing Road, Horsham, West Sussex, RH13 7AR Operator Name: SYRACUSE WASTE LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Household Waste Amenity Sites Licence Status: Issued Issued: 1st September 1995 Last Modified: 1st September 1995 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	459	2	516072 128686
141	Licensed Waste Management Facilities (Locations) Licence Number: 103085 Location: Horsham Golf Park, Worthing Road, Denne Park, Horsham, West Sussex, RH13 0AX Operator Name: PEPPERACRE LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Use of waste in a deposit for recovery op Licence Status: Surrendered Issued: 21st December 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 21st December 2011 IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	813	2	516669 128840
	Local Authority Landfill Coverage Name: Horsham District Council - Has supplied landfill data		0	3	516056 128178
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		0	6	516056 128178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	Local Authority Recorded Landfill Sites Location: Hop Oast Roundabout A24, Southwater Reference: SQ/34/87 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	A13NW (NW)	327	6	515900 128500
143	Local Authority Recorded Landfill Sites Location: Hop Roast Roundabout, Southwater Reference: 27/204 Authority: Horsham District Council, Environmental Health Department Last Reported Status: Not Supplied Types of Waste: Inert Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18SE (N)	437	3	516098 128667
144	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A17SE (NW)	772	-	515387 128695
145	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A8SE (S)	801	-	516216 127350
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A18SW (N)	347	-	515991 128551
147	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A18SE (N)	579	-	516154 128812
148	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A19SW (NE)	684	-	516705 128601
149	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A17SE (NW)	796	-	515460 128795
150	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A17NE (NW)	851	-	515628 128956
151	Registered Landfill Sites Licence Holder: Wimpey Construction Uk Ltd Licence Reference: 3/BU/87 Site Location: Northwest Of Hop Oast Roundabout, Southwater, Horsham, West Sussex Licence Easting: 515900 Licence Northing: 128550 Operator Location: High Street, West End, SOUTHAMPTON, Hampshire, SO3 3JJ Authority: Environment Agency - Southern Region, Sussex Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Only waste produced on site Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1987 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Broken Tarmac. Concrete,Hardcore,Stone Clay,Soil Prohibited Waste: Greater Water Poll.Pot'L Than Topsoil Hazardous Wastes (In Wda'S Opinion)	A18SW (NW)	374	2	515900 128550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	Registered Waste Transfer Sites Licence Holder: Wyvern Waste Services Ltd Licence Reference: WSX/L1/0147/1 Site Location: Horsham C.A.Site, Worthing Road, Hopoast, Horsham, West Sussex, Rh13 7ar Operator Location: Chiltern House, 15-17 Silver Street, TAUNTON, Somerset, TA1 3DH Authority: Environment Agency - Southern Region, Sussex Area Site Category: Civic Amenity Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st September 1995 Preceded By: 3/CF/90 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Household Waste Max.Storage In Licence Max.Waste Permitted By Licence Sanitary Towels, Nappies, Bandages Prohibited Waste: Asbestos Clinical Wastes - Except Explosive Waste Motor Vehicles Radioactive Waste W.Excav/Redev. Tips/Gaswks/Chem.Premis Waste From Businesses Waste From Gulley Emptiers Waste From Refuse Coll'N Vehicles Waste From Road Sweepers Waste From Skips Waste From Tankers	A18SE (N)	472	2	516080 128700
152	Registered Waste Transfer Sites Licence Holder: West Sussex C.C. Licence Reference: 3/CF/90 Site Location: Hopoast, Worthing Road, Horsham, West Sussex Operator Location: County Hall, CHICHESTER, West Sussex, PO19 1RH Authority: Environment Agency - Southern Region, Sussex Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st March 1991 Preceded By: . Licence: Superseded By: WSX/L1/0147/1 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Batteries Civic Amenity / Household Waste Incl. Fridges/Freezers Paper/Cardboard Waste Scrap Metal Waste Oil	A18SE (N)	472	2	516080 128700
152	Registered Waste Transfer Sites Licence Holder: West Sussex C.C. Licence Reference: . Site Location: C.A. Site At Hopoast, Southwater, Horsham, West Sussex Operator Location: County Hall, CHICHESTER, West Sussex, PO19 1RH Authority: Environment Agency - Southern Region, Sussex Area Site Category: Civic Amenity Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st June 1988 Preceded By: Not Given Licence: Superseded By: 3/CF/90 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Civic Amenity/Refuse Amenity Waste	A18SE (N)	472	2	516080 128700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Wealden Group	A13SE (NE)	0	1	516056 128178
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (NE)	0	1	516056 128178
153	BGS Recorded Mineral Sites Site Name: Alder Copse Pit Location: Horsham, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 150593 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	693	1	516715 128603
154	BGS Recorded Mineral Sites Site Name: Home Wood Pits Location: Horsham, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 150594 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	741	1	516852 128431
154	BGS Recorded Mineral Sites Site Name: Home Wood Pits Location: Horsham, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 150595 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	761	1	516881 128402
155	BGS Recorded Mineral Sites Site Name: Blake'S Farm Pits Location: Southwater Street, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 126755 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8SE (S)	770	1	516179 127379

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	BGS Recorded Mineral Sites Site Name: Blake'S Farm Pits Location: Southwater Street, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 126755 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	770	1	516179 127379
155	BGS Recorded Mineral Sites Site Name: Blake'S Farm Pits Location: Southwater Street, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 126756 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	790	1	516180 127359
155	BGS Recorded Mineral Sites Site Name: Blake'S Farm Pits Location: Southwater Street, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 126756 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8SE (S)	790	1	516180 127359
156	BGS Recorded Mineral Sites Site Name: Alder Copse Stone Pits Location: Southwater, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 106149 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	787	1	516846 128564
156	BGS Recorded Mineral Sites Site Name: Alder Copse Stone Pits Location: Southwater, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 106150 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	822	1	516885 128564
157	BGS Recorded Mineral Sites Site Name: Christ'S Hospital School Location: Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 126504 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	793	1	515369 128706

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	BGS Recorded Mineral Sites Site Name: Christ'S Hospital School Location: Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 126504 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	793	1	515369 128706
158	BGS Recorded Mineral Sites Site Name: Bourne Hill Stone Pits Location: Southwater, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 106145 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Weald Clay Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	843	1	516984 128069
159	BGS Recorded Mineral Sites Site Name: Alder Copse Stone Pits Location: Southwater, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 106151 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	844	1	516913 128556
160	BGS Recorded Mineral Sites Site Name: Bourne Hill Stone Pits Location: Southwater, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 106146 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Weald Clay Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	899	1	517039 128060
161	BGS Recorded Mineral Sites Site Name: Stonepit Copse Location: Southwater, Horsham, Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 106143 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Horsham Stone Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A15NW (E)	990	1	517112 128424
	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 Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	516021 128181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	516021 128181
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	516056 128178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Contemporary Trade Directory Entries Name: Neville & More Location: Unit 15, Oakhurst Business Park, Wilberforce Way, Southwater, HORSHAM, West Sussex, RH13 9RT Classification: Bottle Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	275	-	516098 127875
163	Contemporary Trade Directory Entries Name: Penton Uk Location: OAKHURST BUSINESS PARK, 31, WILBERFORCE WAY, SOUTHWATER, RH13 9AE Classification: Sound Equipment Systems Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	300	-	516213 127858
164	Contemporary Trade Directory Entries Name: J B Precision Systems Ltd Location: Unit 9, Oakhurst Business Park, Wilberforce Way, Southwater, HORSHAM, West Sussex, RH13 9RT Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	341	-	516071 127806
164	Contemporary Trade Directory Entries Name: Gibson Fibreglass Services Ltd Location: UNIT 9, OAKHURST BUSINESS PARK, WILBERFORCE WAY, SOUTHWATER, HORSHAM, RH13 9RT Classification: Glass Fibre Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	342	-	516071 127805
164	Contemporary Trade Directory Entries Name: Rx-Heaven Location: Unit 14, Oakhurst Business Park, Wilberforce Way, Southwater, HORSHAM, West Sussex, RH13 9RT Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	360	-	516103 127790
164	Contemporary Trade Directory Entries Name: Super 7 Location: Unit 14, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RT Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (S)	360	-	516103 127790
165	Contemporary Trade Directory Entries Name: Shell Location: Worthing Road, Horsham, West Sussex, RH13 0AR Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	346	-	516067 128571
165	Contemporary Trade Directory Entries Name: Shell Location: Worthing Road, Horsham, RH13 0AR Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	347	-	516066 128572
166	Contemporary Trade Directory Entries Name: Fixings Location: Unit 8, Oakhurst Business Pk, Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RT Classification: Tool Sharpening, Repairing & Servicing Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (S)	385	-	516102 127764
166	Contemporary Trade Directory Entries Name: Southeast Panels Location: Unit 8, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RT Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	385	-	516103 127765

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	Contemporary Trade Directory Entries Name: P B S Group Location: Unit 7, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	395	-	516099 127755
166	Contemporary Trade Directory Entries Name: Pipes Direct Ltd Location: Unit 7, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RT Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	395	-	516098 127754
166	Contemporary Trade Directory Entries Name: P B S Group Location: UNIT 7, OAKHURST BUSINESS PARK, WILBERFORCE WAY, SOUTHWATER, RH13 9RT Classification: Copying & Duplicating Machines & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	395	-	516099 127755
166	Contemporary Trade Directory Entries Name: P B S Location: Unit 7, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Office Equipment Servicing & Maintenance Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	395	-	516099 127755
166	Contemporary Trade Directory Entries Name: The Horsham Cabinet Company Location: Unit 3, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	403	-	516051 127741
166	Contemporary Trade Directory Entries Name: Macfarlane Group Location: Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	403	-	516051 127741
166	Contemporary Trade Directory Entries Name: Macfarlane Packaging Location: Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Packaging & Wrapping Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	403	-	516051 127741
166	Contemporary Trade Directory Entries Name: Tanbury Ltd Location: Unit 5, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	423	-	516083 127725
167	Contemporary Trade Directory Entries Name: Macfarlane Group Location: Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RT Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	392	-	516176 127758
168	Contemporary Trade Directory Entries Name: Wyvern Waste Services Ltd Location: Amenity Tip, Worthing Road, Horsham, West Sussex, RH13 0AR Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	460	-	516070 128687

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	Contemporary Trade Directory Entries Name: Prestige Distribution Location: Unit 1, Oakhurst Business Park, Wilberforce Way, Southwater, HORSHAM, West Sussex, RH13 9RT Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	471	-	516047 127673
170	Contemporary Trade Directory Entries Name: Blueleaf Location: Charwood House, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	508	-	516102 127641
170	Contemporary Trade Directory Entries Name: Nursing Hygene Location: Charwood House, Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RT Classification: Hygiene & Cleansing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	531	-	516083 127616
171	Contemporary Trade Directory Entries Name: Southeast Panels (Supplies) Ltd Location: Wilberforce Way, Southwater, Horsham, West Sussex, RH13 9RS Classification: Door Manufacturers - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	518	-	516231 127638
172	Contemporary Trade Directory Entries Name: Services Machinery & Trucks Location: Oakhurst Business Park, Wilberforce Way, Southwater, HORSHAM, West Sussex, RH13 9RT Classification: Plant & Machinery Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	603	-	516157 127545
173	Contemporary Trade Directory Entries Name: Paula Location: West Pilfolds, Tower Hill, Horsham, West Sussex, RH13 0JZ Classification: Knitwear Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	640	-	515680 128749
174	Contemporary Trade Directory Entries Name: Ezzi International Location: Oakside, Southwater Street, Southwater, Horsham, West Sussex, RH13 9BN Classification: Cash Registers & Check-Out Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	710	-	516019 127433
175	Contemporary Trade Directory Entries Name: Pulsedata Electronics Location: 11, Poppy Close, Southwater, Horsham, West Sussex, RH13 9GW Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	863	-	516235 127290
176	Fuel Station Entries Name: Shell Hop Oast Location: Hop Oast Field, Horsham Bypass, Horsham, West Sussex, RH13 0AR Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A18SE (N)	337	-	516071 128563
177	Points of Interest - Commercial Services Name: Shell Hop Oast Location: Hop Oast Field, Horsham Bypass, Horsham, RH13 0AR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (N)	347	7	516065 128572
177	Points of Interest - Commercial Services Name: Shell Car Wash Location: Worthing Road, Horsham, RH13 0AR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (N)	347	7	516066 128572

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Points of Interest - Commercial Services Name: Car Wash Location: Hop Oast Field, Horsham Bypass, Horsham, West Sussex, RH13 0AR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (N)	347	7	516065 128572
177	Points of Interest - Commercial Services Name: Viridor Ltd Location: Hop Oast Depot, Worthing Road, Horsham, RH13 0AR Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A18SE (N)	399	7	516063 128625
178	Points of Interest - Commercial Services Name: Rx-Heaven Location: Unit 14 Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	360	7	516103 127790
178	Points of Interest - Commercial Services Name: Super 7 Location: Unit 14 Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	360	7	516103 127790
178	Points of Interest - Commercial Services Name: Tanbury Ltd Location: Unit 5 Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	420	7	516081 127728
178	Points of Interest - Commercial Services Name: Tanbury Ltd Location: Unit 5 Oakhurst Business Park, Wilberforce Way, Southwater, RH13 9RT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	423	7	516083 127725
178	Points of Interest - Commercial Services Name: Prestige Distribution Location: Unit 1 Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	471	7	516047 127673
178	Points of Interest - Commercial Services Name: Prestige Distribution Location: Unit 1 Oakhurst Business Park, Wilberforce Way, Southwater, Horsham, RH13 9RT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	471	7	516047 127673
179	Points of Interest - Manufacturing and Production Name: Oakhurst Business Park Location: RH13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	425	7	516113 127723
180	Points of Interest - Manufacturing and Production Name: Tanks Location: RH13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	821	7	516728 128793
181	Points of Interest - Public Infrastructure Name: Shell Little Waitrose Hop Oast Location: Worthing Road, Horsham, RH13 0AR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (N)	339	7	516068 128564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
181	Points of Interest - Public Infrastructure Name: Shell Hop Oast Location: Worthing Road, Horsham, RH13 0AR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (N)	346	7	516067 128571
181	Points of Interest - Public Infrastructure Name: Shell Hop Oast Location: Hop Oast Field, Horsham Bypass, Horsham, West Sussex, RH13 0AR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (N)	347	7	516065 128572
182	Points of Interest - Public Infrastructure Name: Horsham District Council Operation Services Location: Hop Oast Depot, Worthing Road, Horsham, RH13 0AR Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18SE (N)	399	7	516063 128625
182	Points of Interest - Public Infrastructure Name: Refuse Tip Location: RH13 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	487	7	516069 128714
182	Points of Interest - Public Infrastructure Name: Amenity Tip Location: RH13 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	489	7	516061 128715
183	Points of Interest - Public Infrastructure Name: Sluice Location: RH13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	813	7	515434 128795
183	Points of Interest - Public Infrastructure Name: Sluice Location: RH13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	814	7	515430 128794
184	Points of Interest - Recreational and Environmental Name: Play Area Location: RH13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	829	7	516139 127319
185	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	A8SE (S)	838	7	516268 127320
185	Points of Interest - Recreational and Environmental Name: Playground Location: Thistle Way, RH13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	851	7	516269 127307

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	Ancient Woodland Name: Newlane Wood Reference: 1478064 Area(m ²): 9989.44 Type: Ancient and Semi-Natural Woodland	A13SE (E)	17	8	516157 128150
187	Ancient Woodland Name: Denne Park Reference: 1478484 Area(m ²): 10873.87 Type: Ancient and Semi-Natural Woodland	A18SE (N)	536	8	516274 128747
188	Ancient Woodland Name: Smiths Copse / Coppice Reference: 1478069 Area(m ²): 10014.7 Type: Ancient and Semi-Natural Woodland	A7SE (SW)	729	8	515710 127465
189	Ancient Woodland Name: Not Supplied Reference: 1478483 Area(m ²): 2095.47 Type: Ancient and Semi-Natural Woodland	A17SE (NW)	730	8	515408 128655
190	Ancient Woodland Name: Not Supplied Reference: 1478974 Area(m ²): 20696.51 Type: Ancient and Semi-Natural Woodland	A14SE (E)	730	8	516817 127881
191	Ancient Woodland Name: Blunts Wood Reference: 1478695 Area(m ²): 33686.84 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	854	8	516797 127606
192	Ancient Woodland Name: Not Supplied Reference: 1478171 Area(m ²): 9049.96 Type: Ancient and Semi-Natural Woodland	A14SE (E)	873	8	516974 127892
193	Ancient Woodland Name: Not Supplied Reference: 1478172 Area(m ²): 18258.1 Type: Ancient and Semi-Natural Woodland	A9NE (E)	891	8	516960 127806
194	Ancient Woodland Name: Not Supplied Reference: 1478725 Area(m ²): 24253.65 Type: Ancient and Semi-Natural Woodland	A8SE (S)	930	8	516115 127218
195	Ancient Woodland Name: Eight Acres Southwater Copse Reference: 1478070 Area(m ²): 3312.79 Type: Ancient and Semi-Natural Woodland	A8SE (S)	943	8	516151 127205
196	Ancient Woodland Name: Not Supplied Reference: 1478071 Area(m ²): 8417.28 Type: Ancient and Semi-Natural Woodland	A8SE (S)	944	8	516345 127227
197	Nitrate Vulnerable Zones Name: River Arun (U/S Pallingham) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (NE)	0	4	516056 128178

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Horsham District Council - Environmental Health Department Environment Agency - Head Office	February 2015 November 2023	Annual Rolling Update Annually
Discharge Consents Environment Agency - Southern Region	July 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	
Integrated Pollution Controls Environment Agency - Southern Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region	July 2024 July 2024	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Horsham District Council - Environmental Health Department	June 2015	Variable
Local Authority Pollution Prevention and Controls Horsham District Council - Environmental Health Department	June 2015	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Horsham District Council - Environmental Health Department	June 2015	Variable
Nearest Surface Water Feature Ordnance Survey	July 2024	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - Southern Region	May 2023 May 2023	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	April 2024 April 2024 April 2024	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	July 2024	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	July 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	August 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	August 2024 August 2024 August 2024	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Horsham District Council - Environmental Health Department West Sussex County Council - Environment & Development	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Horsham District Council - Environmental Health Department West Sussex County Council - Environment & Development	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Horsham District Council - Planning Department West Sussex County Council - Environment & Development	July 2023 October 2006	Variable Annual Rolling Update
Planning Hazardous Substance Consents Horsham District Council - Planning Department West Sussex County Council - Environment & Development	August 2015 October 2006	Variable Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	
Points of Interest - Commercial Services PointX	September 2024	Quarterly
Points of Interest - Education and Health PointX	September 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2024	Quarterly
Points of Interest - Public Infrastructure PointX	September 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt Horsham District Council - Planning Department	July 2024	Quarterly
Areas of Unadopted Green Belt Horsham District Council - Planning Department	July 2024	Quarterly
Areas of Outstanding Natural Beauty Natural England	May 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2024	Bi-Annually
Marine Nature Reserves Natural England	August 2024	Bi-Annually
National Nature Reserves Natural England	August 2024	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 April 2024	Bi-Annually
Ramsar Sites Natural England	August 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2024	Bi-Annually
Special Areas of Conservation Natural England	April 2024	Bi-Annually
Special Protection Areas Natural England	April 2024	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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Horsham District Council - Environmental Health Department Park House, North Street, Horsham, Sussex, RH12 1RL	Telephone: 01403 215100 Fax: 01403 732790 Website: www.horsham.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	West Sussex County Council - Environment & Development County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	Telephone: 01243 777100 Website: www.westsussex.gov.uk
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Pathogenic Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

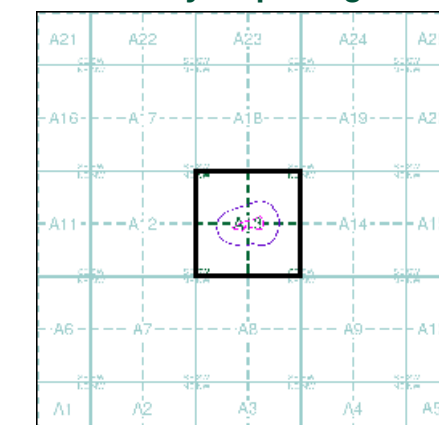
Hazardous Substances

- COMAH Site
- Explosive Site
- NHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BCS Recorded Mineral Site

Geological

- BCS Recorded Mineral Site

Site Sensitivity Map - Segment A13

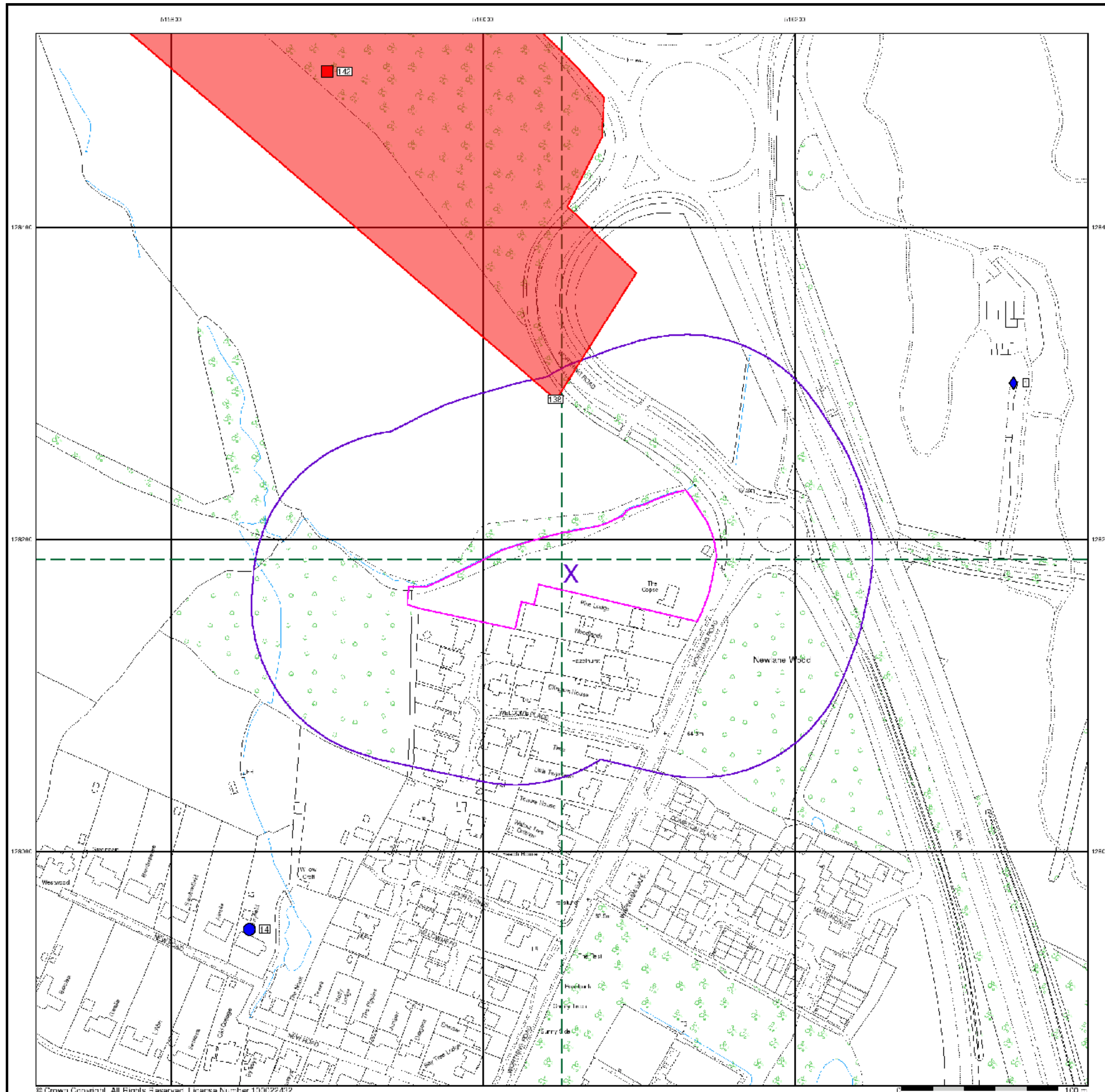


Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Plot Buffer (m): 100

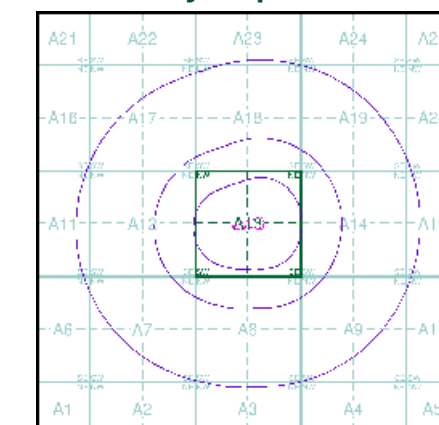
Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH



- General**
- Specific Site
 - Specific 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 and Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Enforcement Relating to Authorised Processes
 - Enforcement Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Aid Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BOE Recorded Mineral Site
- Waste**
- BOE Recorded Landfill Site (Location)
 - BOE Recorded Landfill Site
 - CA Historic Landfill (Buried Part)
 - EA Historic Landfill (Flyash)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Number)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site
 - Local Authority Recorded Landfill Site
 - Potentially Infiltrated Land (Non-water)
 - Potentially Infiltrated Land (Non-water)
 - Potentially Infiltrated Land (Non-water)
 - Potentially Infiltrated Land (Water)
 - Potentially Infiltrated Land (Water)
 - Potentially Infiltrated Land (Water)
 - Potentially Infiltrated Land (Water)
 - 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: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

Industrial Land Use Map

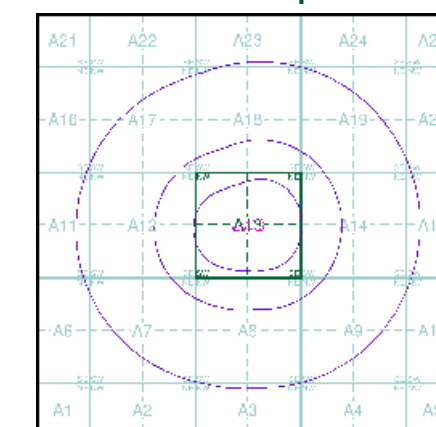
General

- Specified Site
- Specified Buffer(s)
- Heating Reference Point
- Site ID
- Mcp ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Storage 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 - Recreation and Environment
- Underground Electrical Cables

Industrial Land Use Map - Slice A

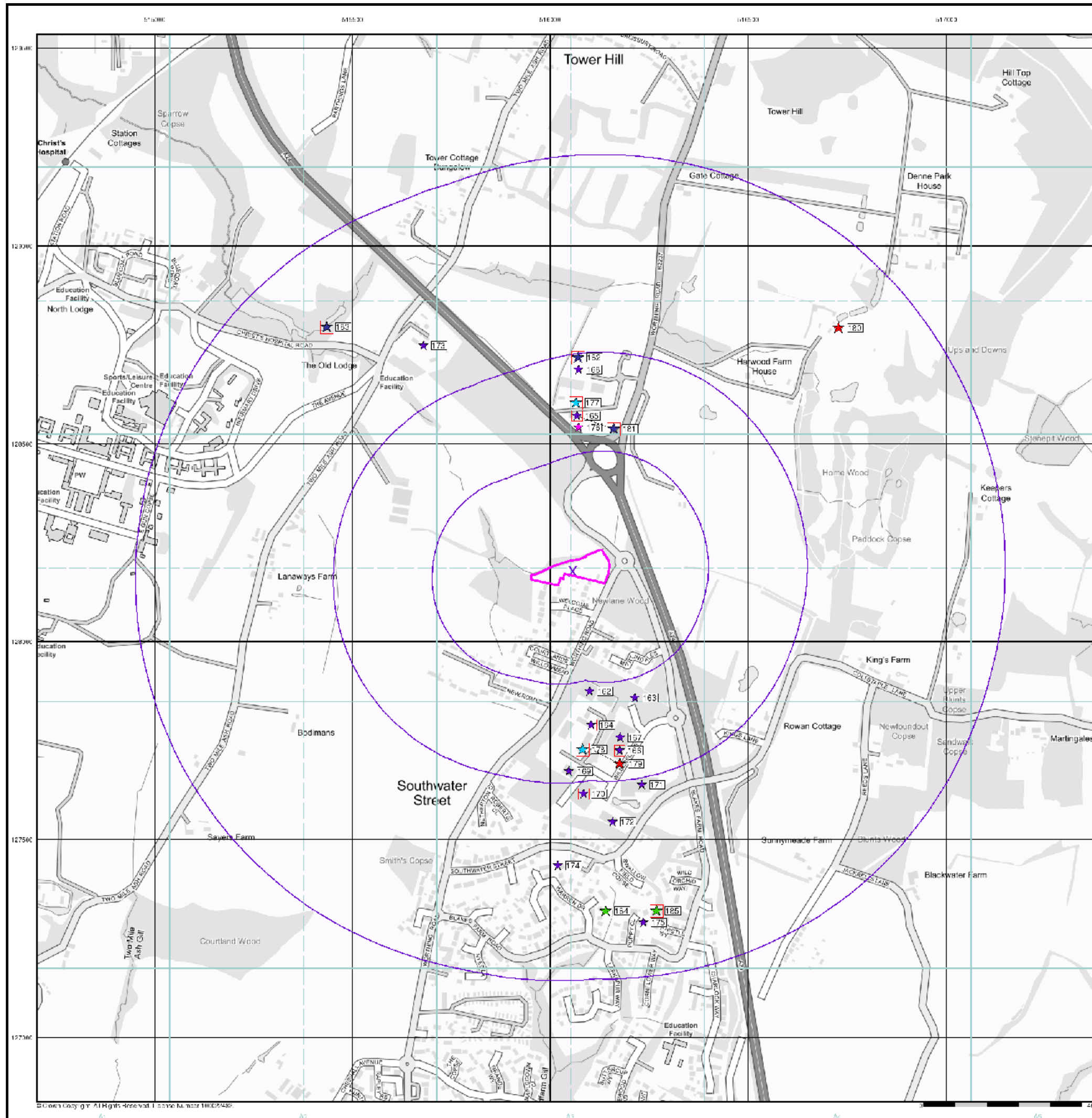


Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH



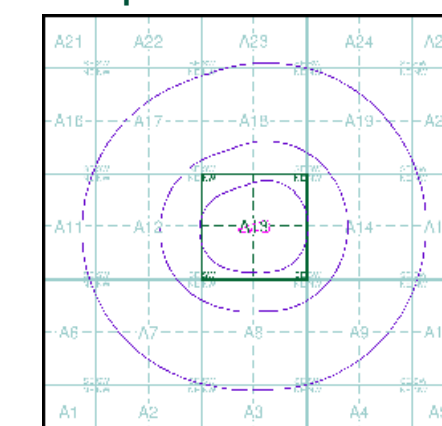
General

-  Specified Site
-  Specified Buffer(s)
-  Dearing 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)
-  Areas Benefiting from Flood Defence
-  Flood Water Storage Areas
-  Flood Defence

Flood Map - Slice A

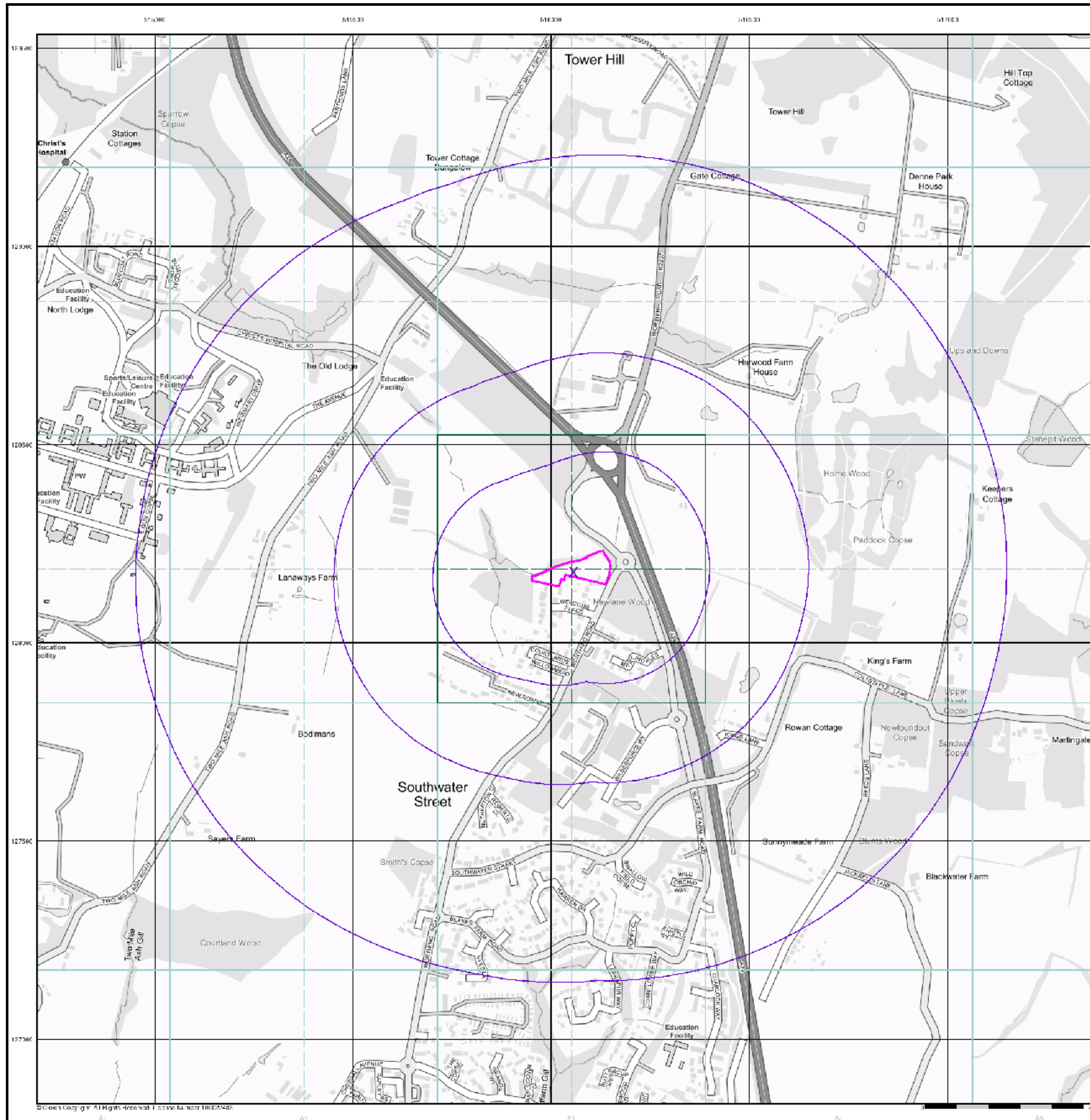


Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH



General

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

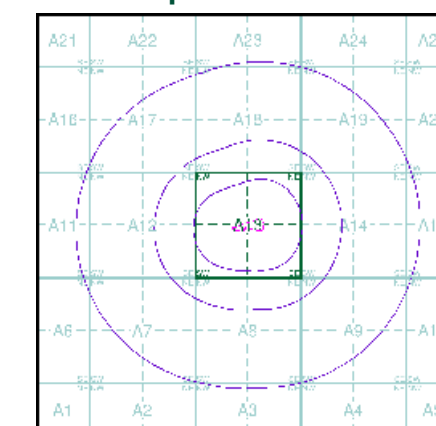
Agency and Hydrological (Boreholes)

- BGS Borehole Depth C - 10m
- BGS Borehole Depth 1C - 30m
- BGS Borehole Depth 3Cm +
- 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

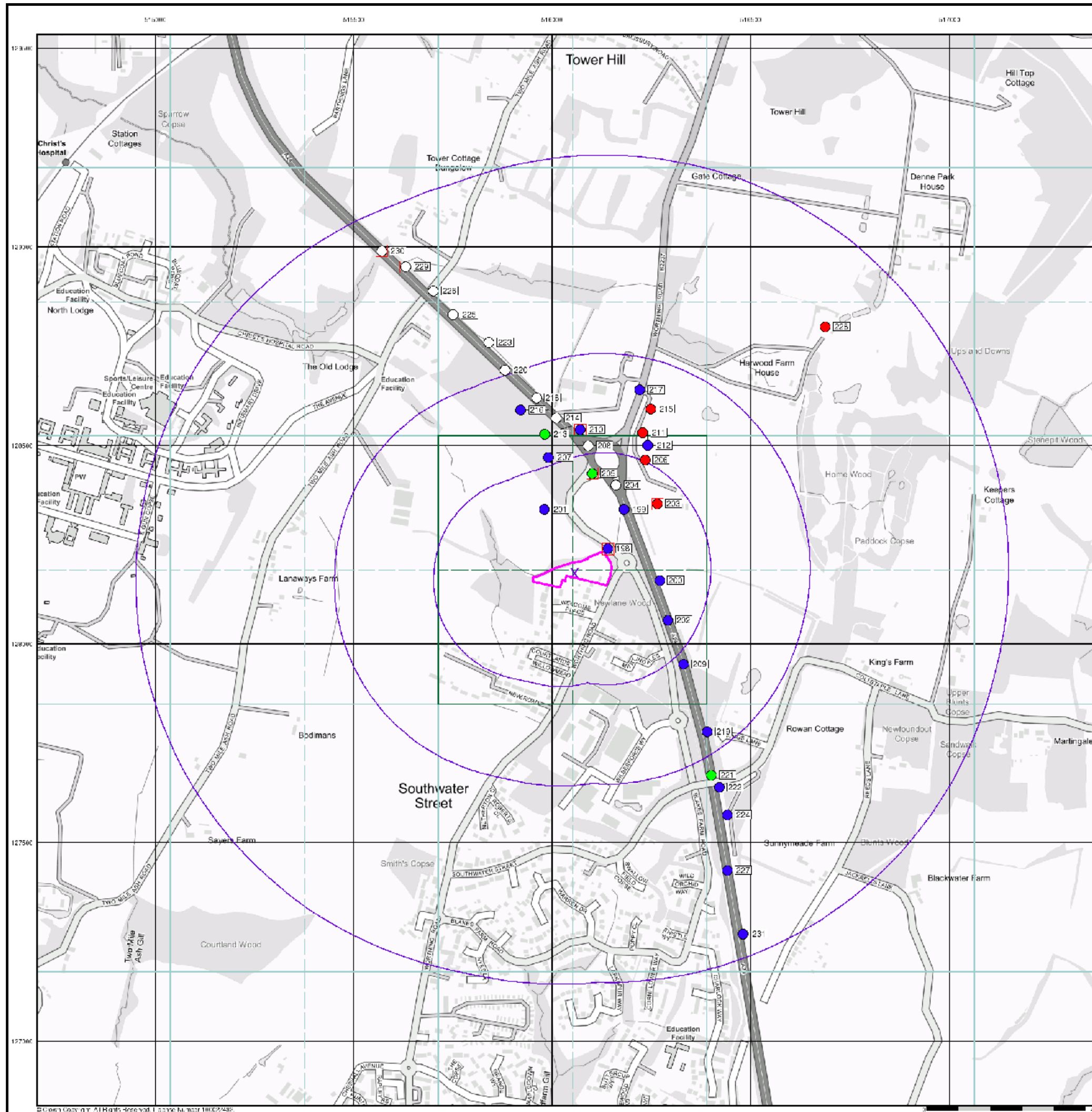


Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH



General

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

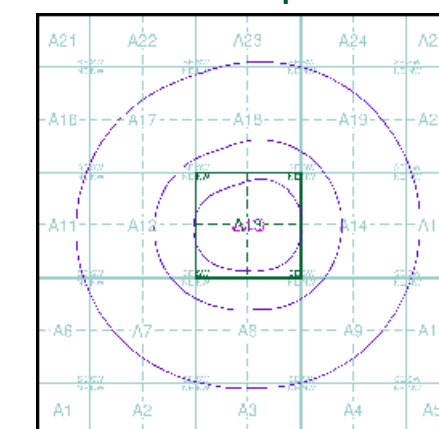
OS Water Network Data

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

Contours (height in meters)

- Standard Contour  105  Mean Low Water
- Master Contour  100  Mean High Water
- Spot Height  167.3

OS Water Network Map - Slice A

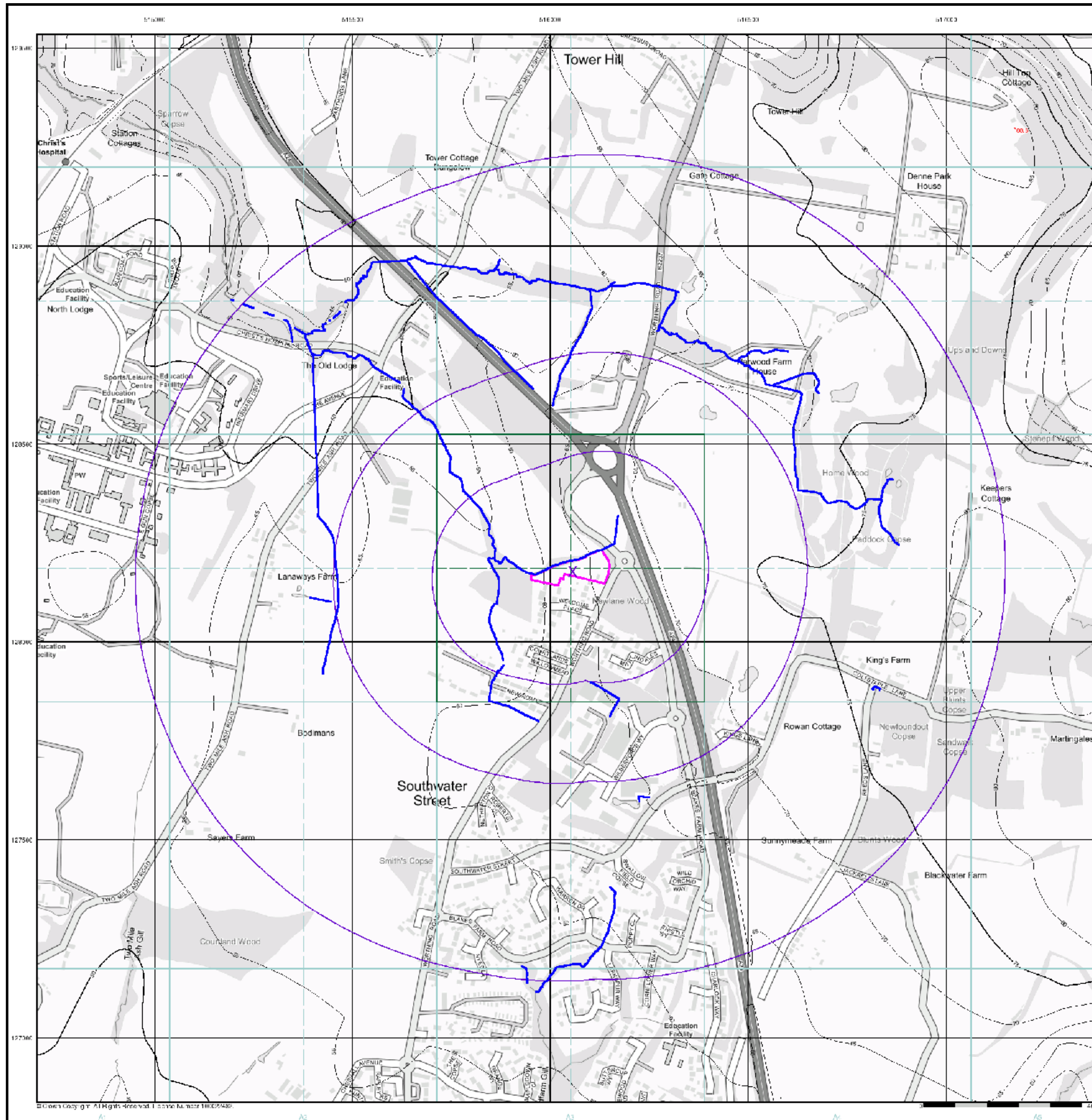


Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way,
 HORSHAM, RH12 1AH



General

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

Risk of Flooding from Surface Water

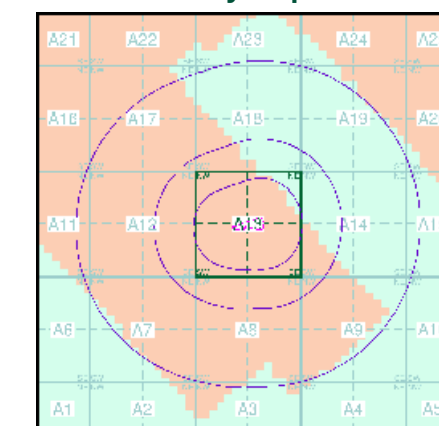
- High - 50 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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

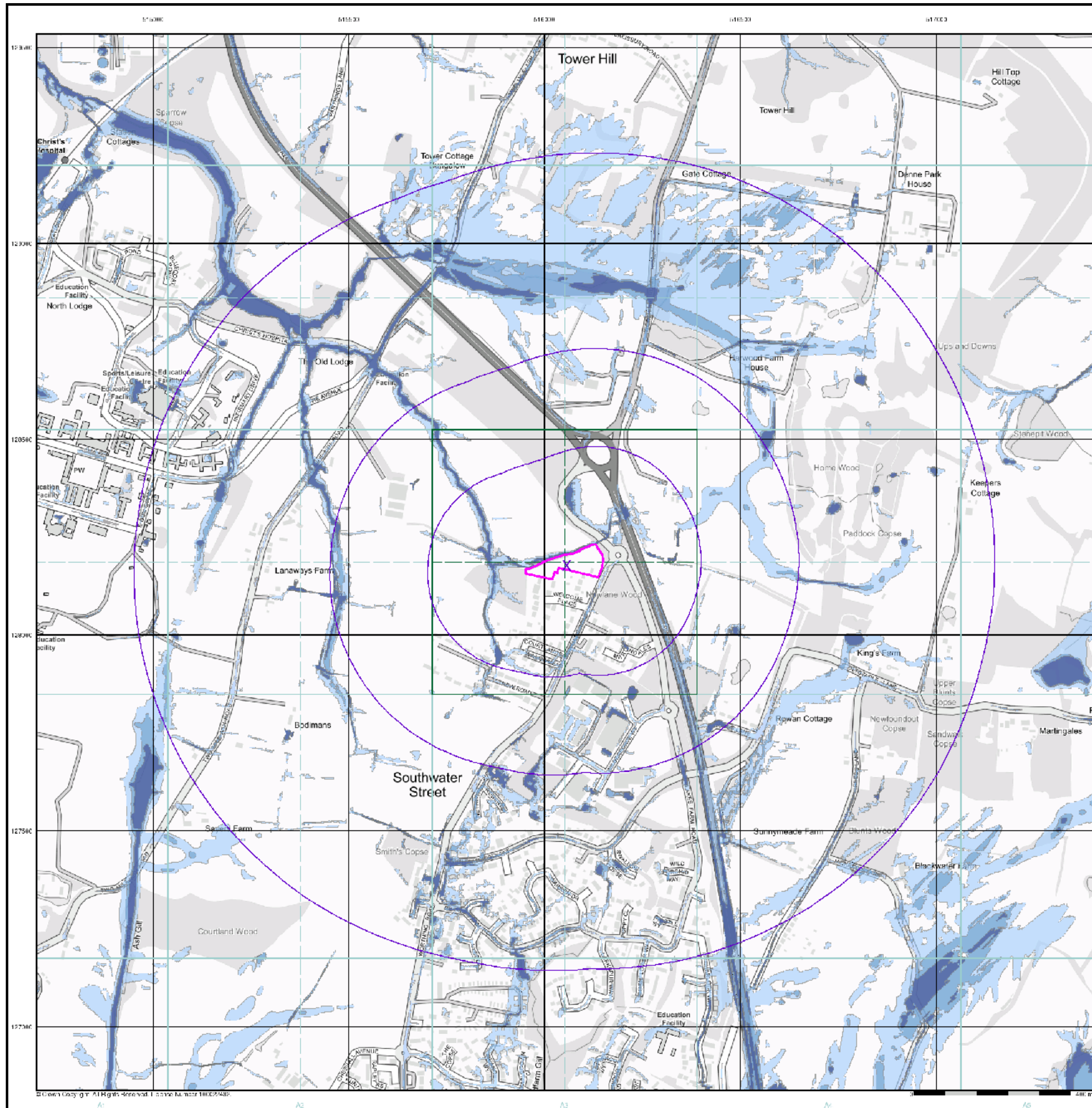


Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

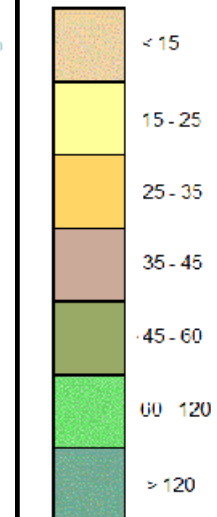


General

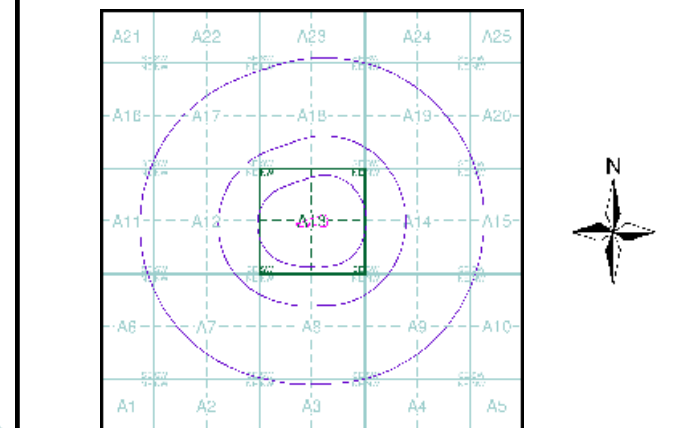
○ Specified Site
 ○ Specified Buffer(s)
 X Drawing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

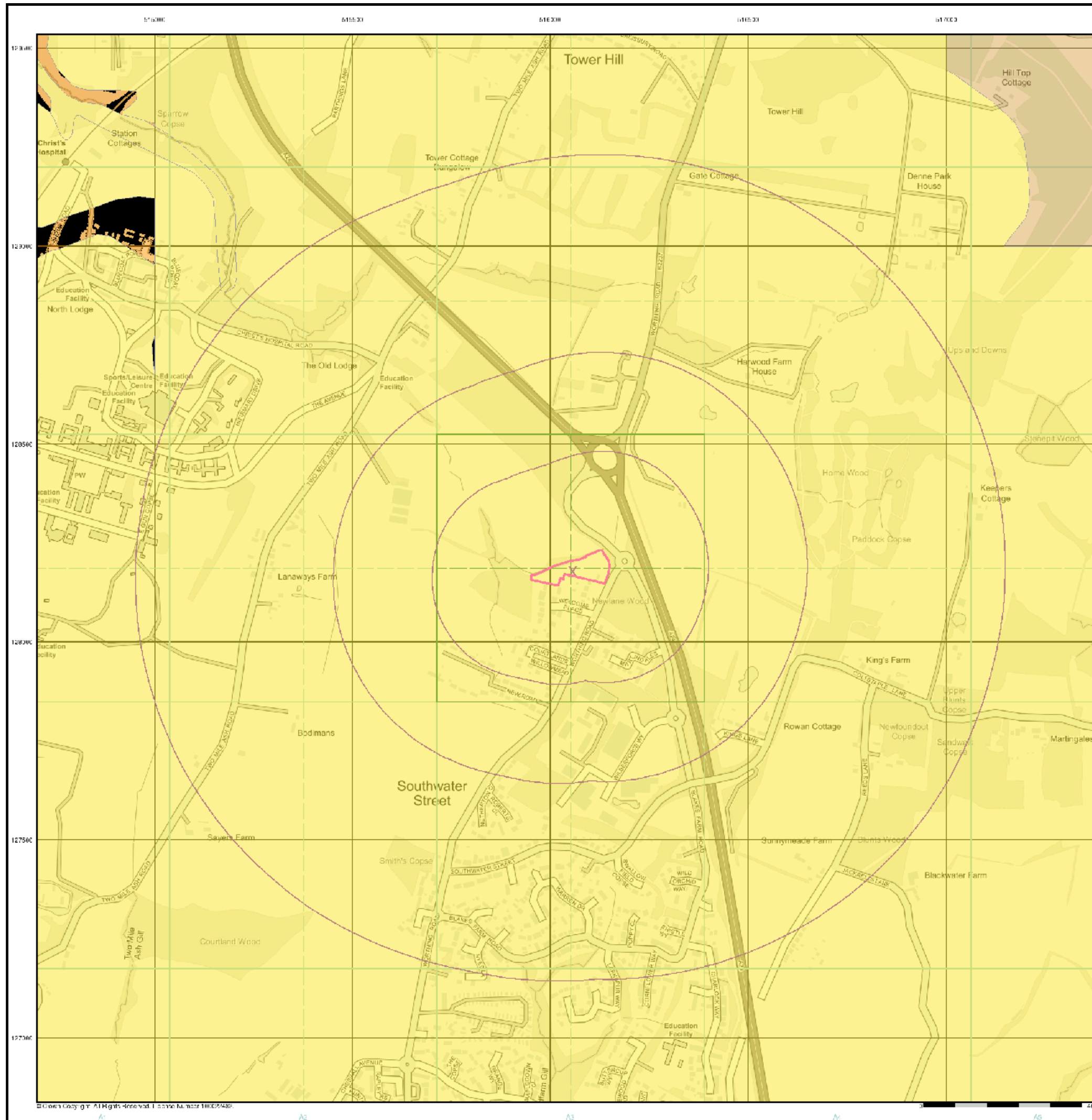


Order Details

Order Details: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

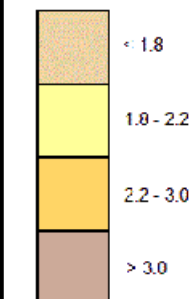


General

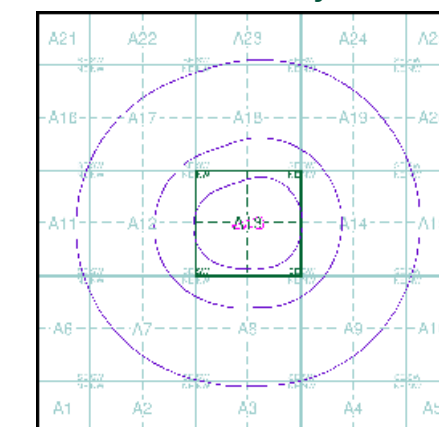
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

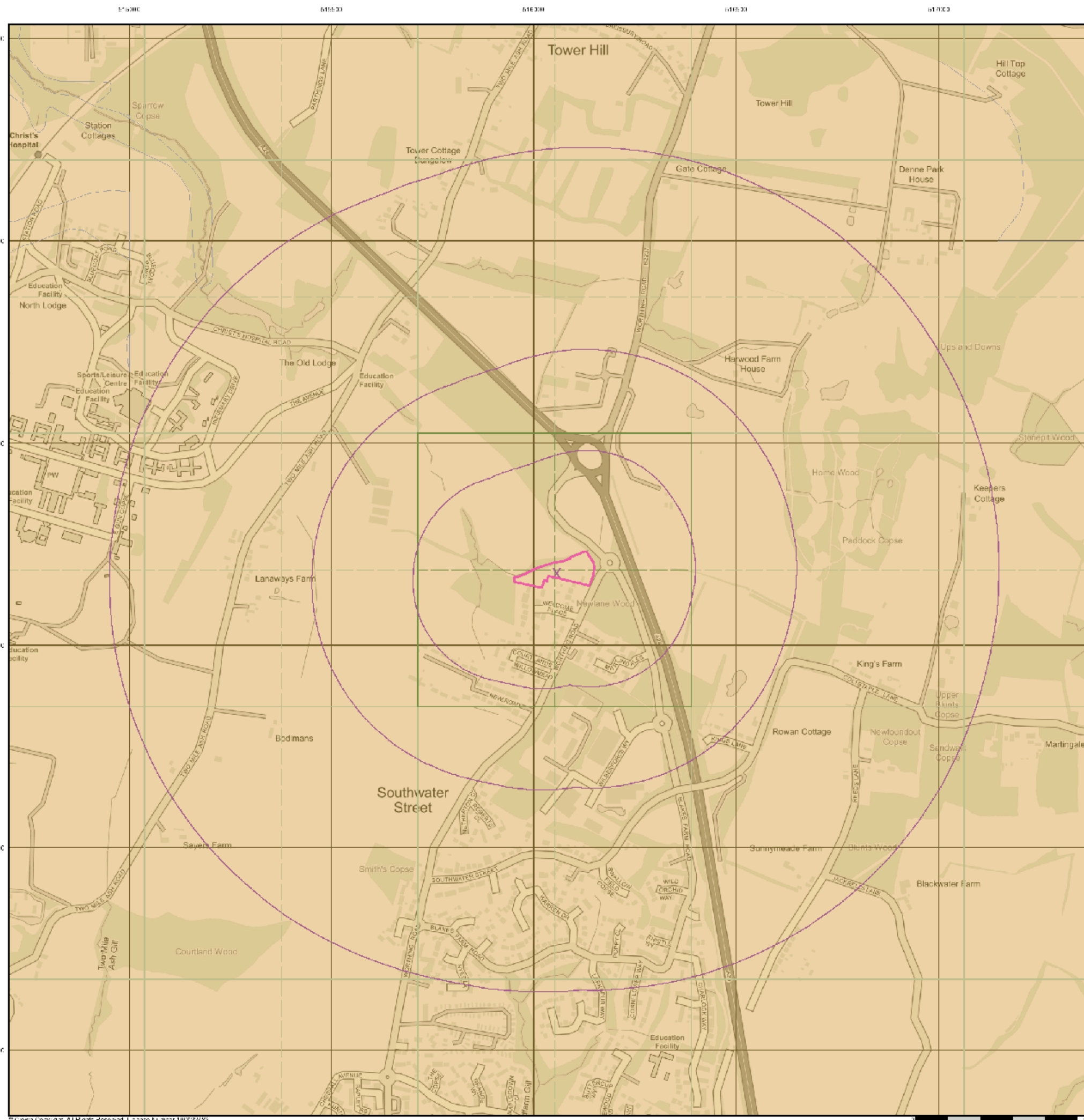


Order Details

Order Details: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

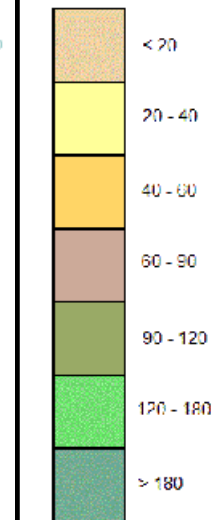


General

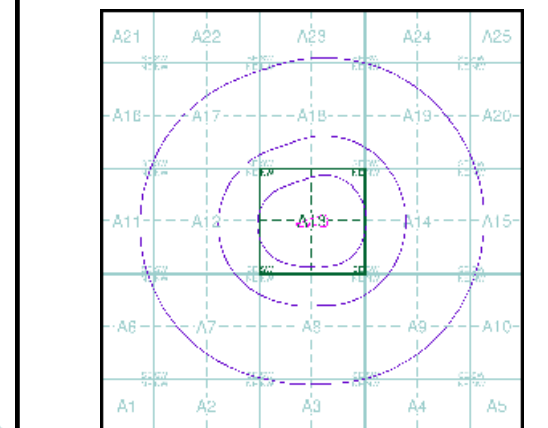
○ Specified Site
 ○ Specified Boundary
 X Design Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

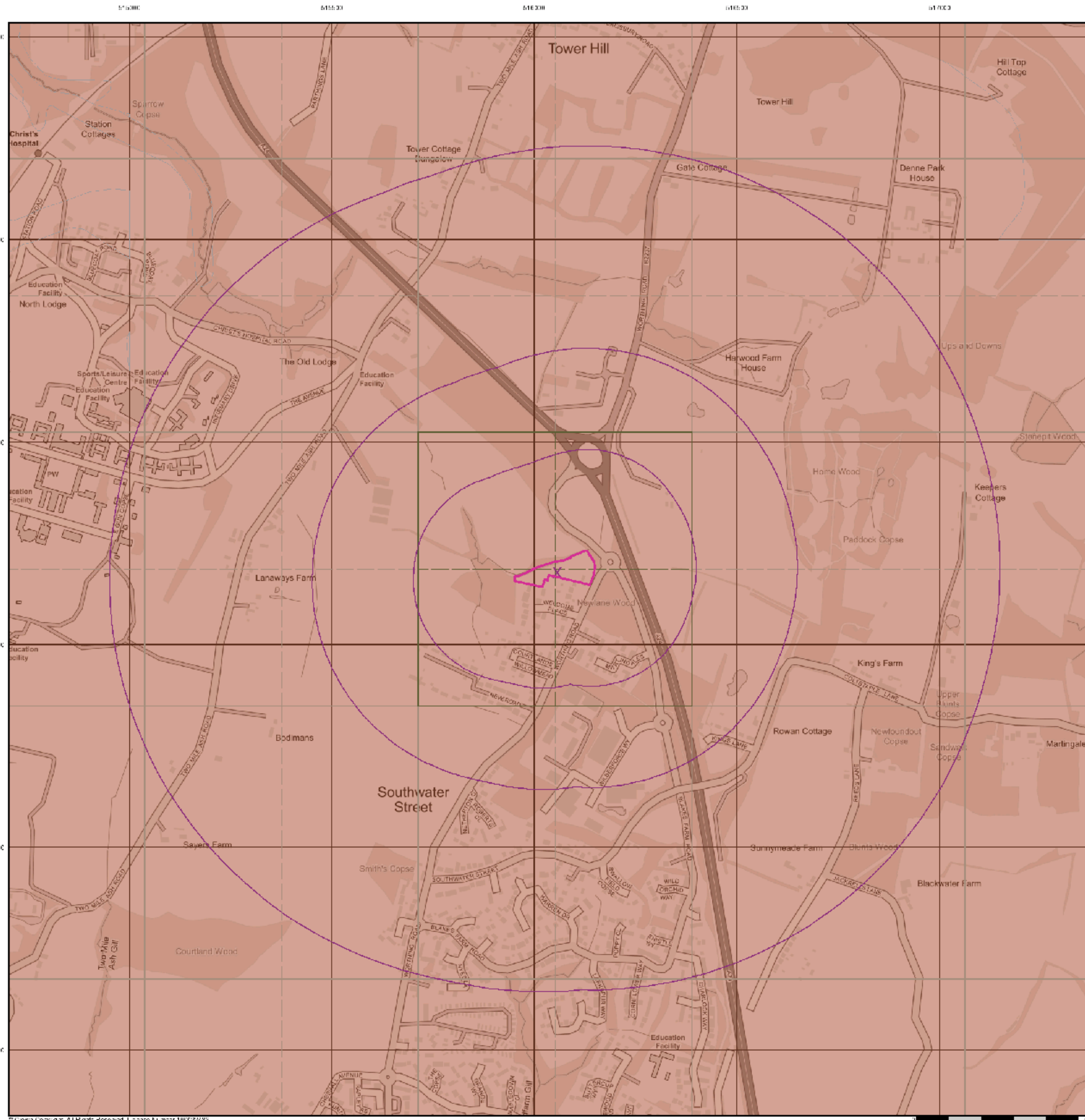


Order Details

Order Details: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

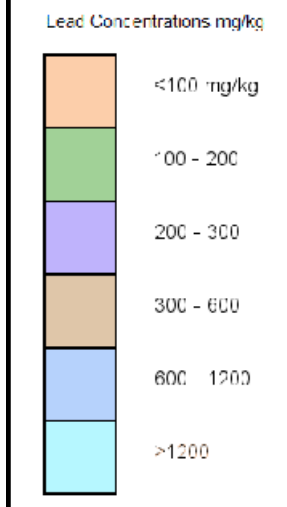




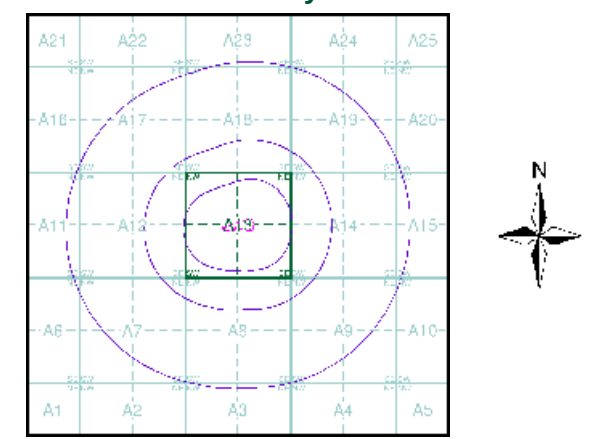
General

 Specified Site Specified Buyer(s) Bearing Reference Point

Estimated Soil Chemistry Lead



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details:	358878196_1_1
Customer Ref:	4444-23
National Grid Reference:	516060, 128180
Slice:	A
Site Area (Ha):	0.9
Search Buffer (m):	1000

Site Details

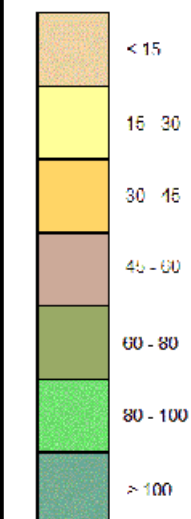
Site Details
The Entertainer, Unit 2, Bishops Weald House, Albion Way,
HORSHAM, RH12 1AH

General

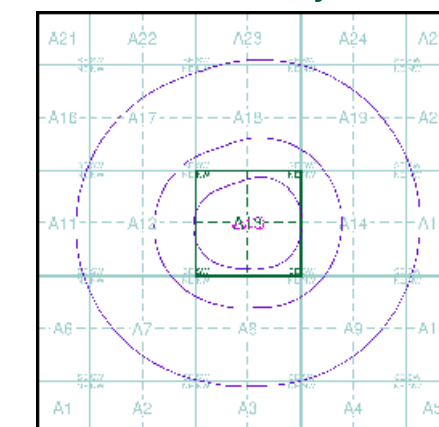
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

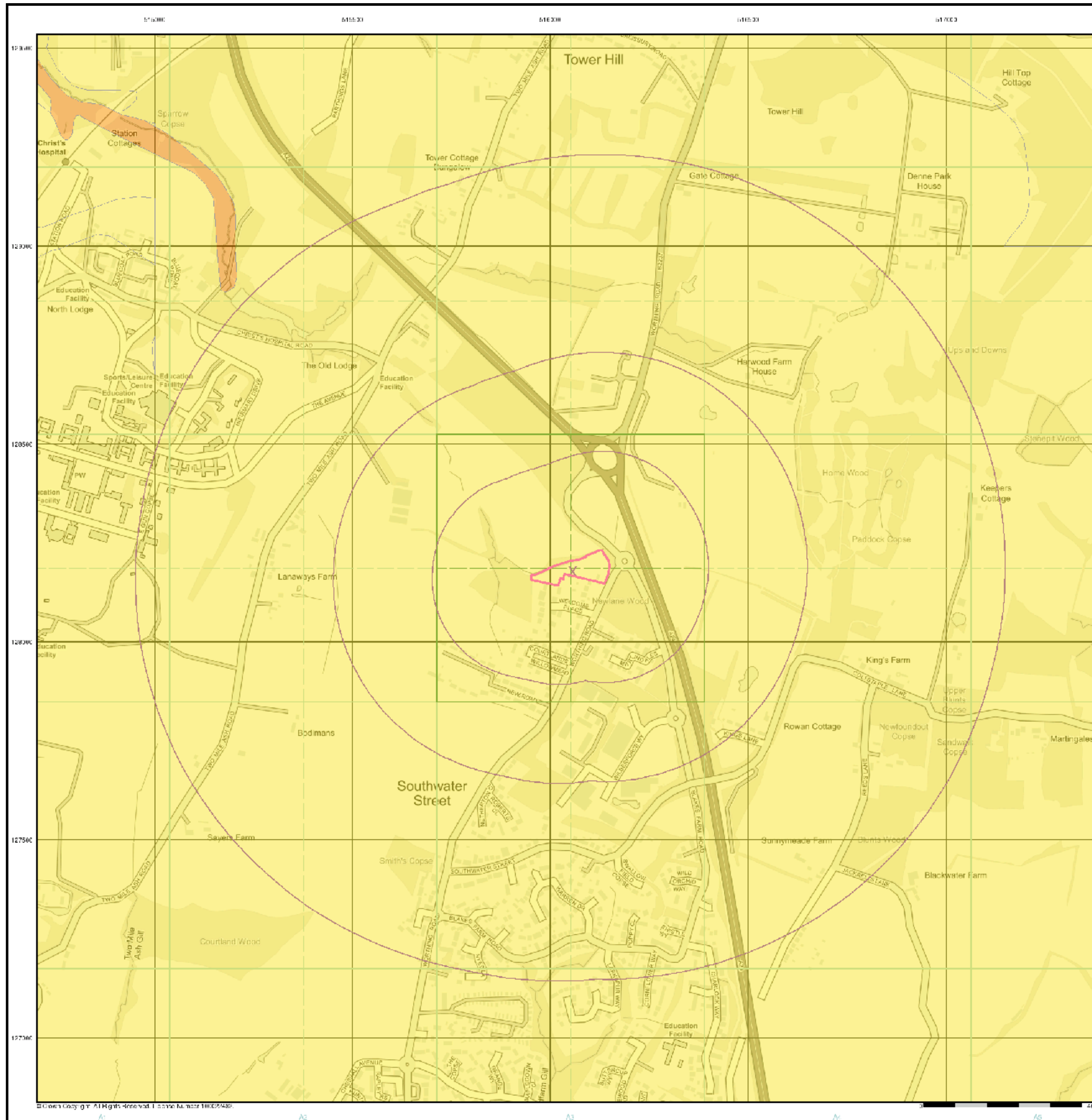


Order Details

Order Details: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 1000

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH



APPENDIX 4
HISTORICAL ORDNANCE
SURVEY MAPS

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Braeken
	Heath		Rough Grassland
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency		
	Civil Parish		
	Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

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

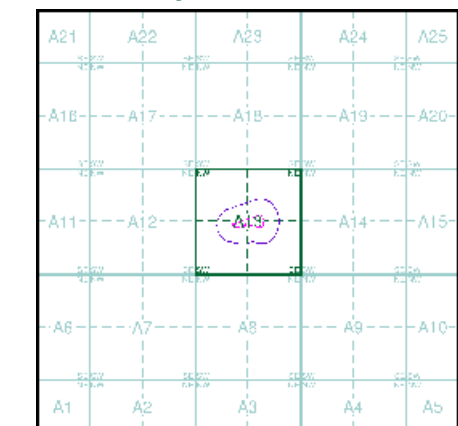
Envirocheck[®]

LANDMARK INFORMATION GROUP[™]

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Sussex	1:10,560	1879 - 1880	2
Sussex	1:10,560	1898	3
Sussex	1:10,560	1912	4
Sussex	1:10,560	1912	5
Sussex	1:10,560	1933	6
Sussex	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1947	8
Ordnance Survey Plan	1:10,000	1961	9
Ordnance Survey Plan	1:10,000	1967	10
Ordnance Survey Plan	1:10,000	1982 - 1983	11
Ordnance Survey Plan	1:10,000	1993	12
10K Raster Mapping	1:10,000	2000	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2024	15

Historical Map - Slice A



Order Details

Order Number: 358878196_1_1
Customer Ref: 4444-23
National Grid Reference: 516060, 128180
Slice: A
Site Area (Ha): 0.9
Search Buffer (m): 1000

Site Details

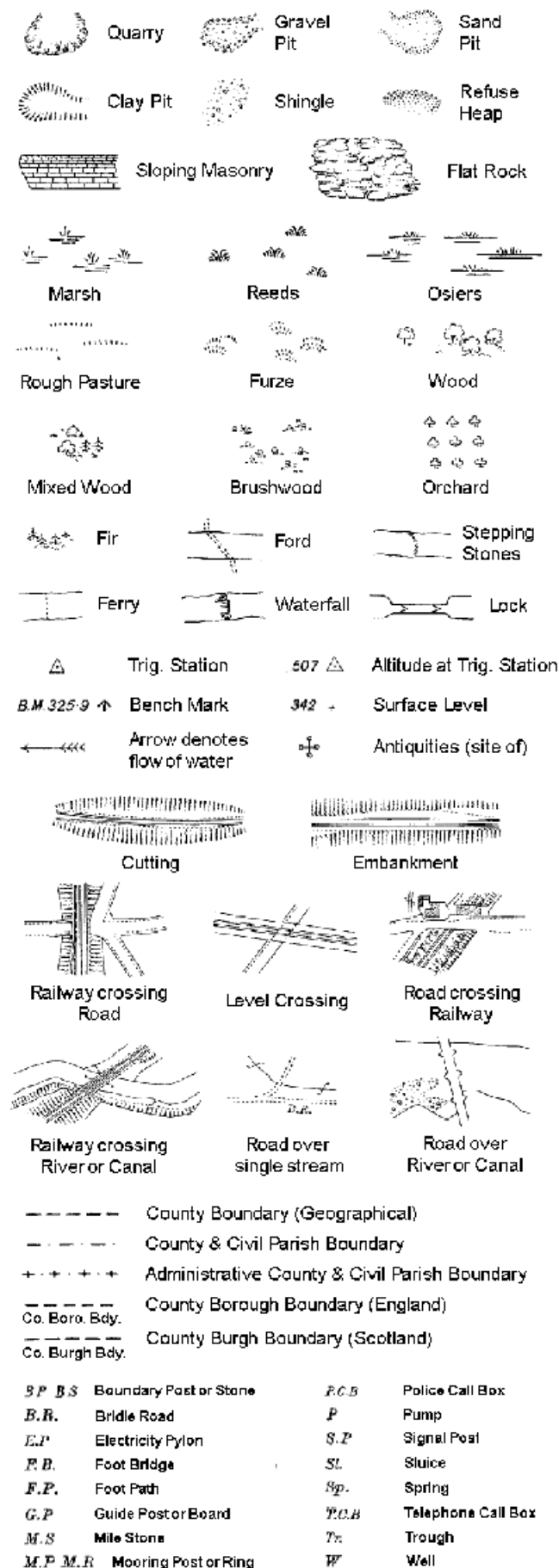
The Entertainer, Unit 2, Bishops Weald House, Albion Way,
HORSHAM, RH12 1AH

Landmark
LANDMARK INFORMATION GROUP

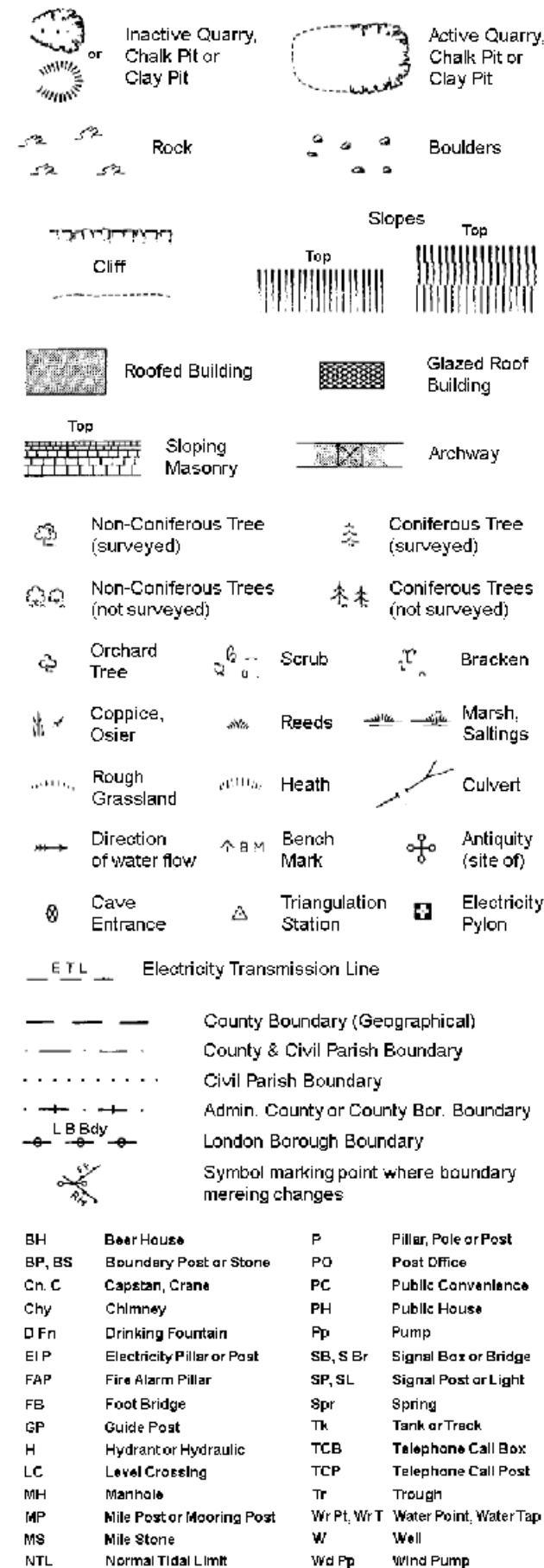
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

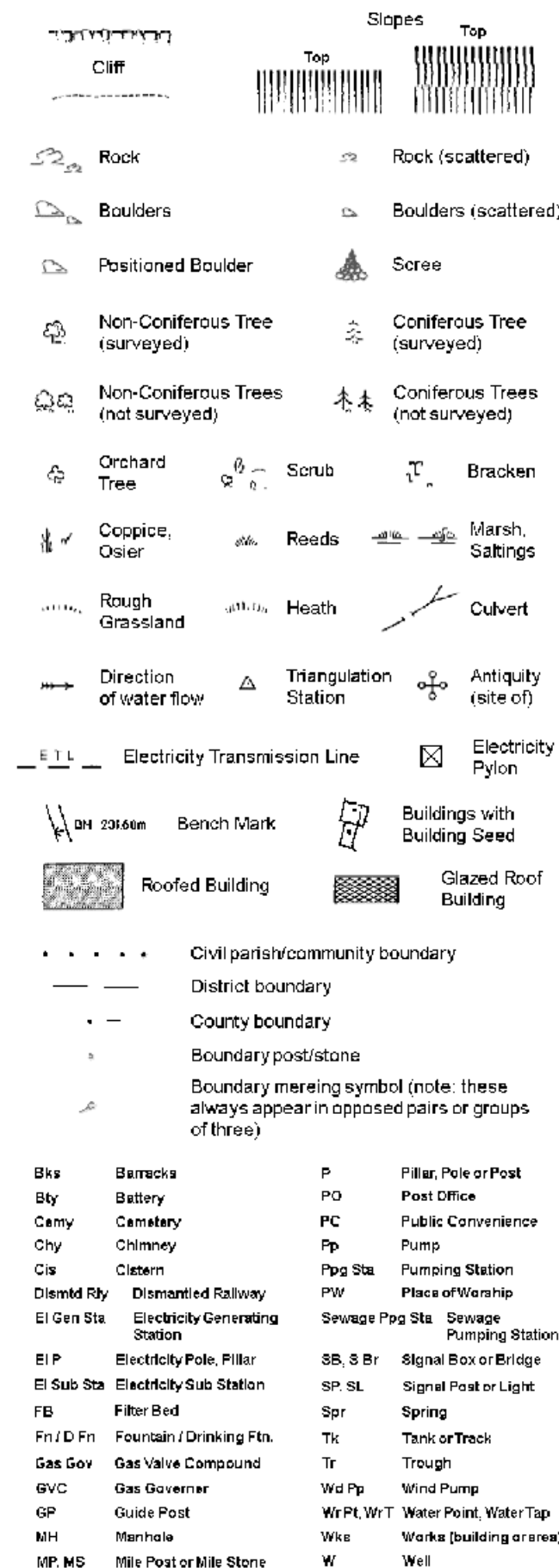
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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



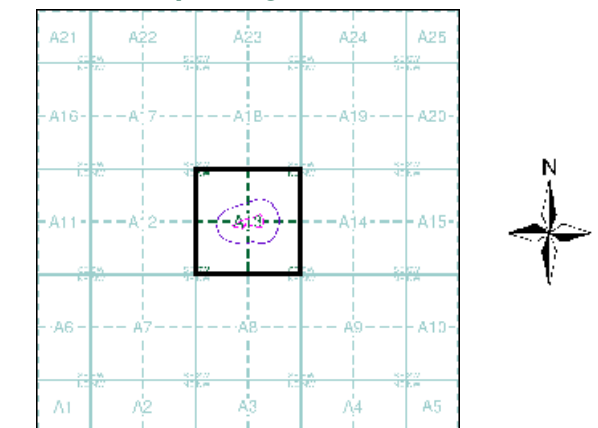
Envirocheck

LANDMARK INFORMATION GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Sussex	1:2,500	1875	2
Sussex	1:2,500	1897	3
Sussex	1:2,500	1911	4
Sussex	1:2,500	1933	5
Ordnance Survey Plan	1:2,500	1976 - 1977	6
Additional SIMs	1:2,500	1984 - 1991	7
Large-Scale National Grid Data	1:2,500	1993	8
Large-Scale National Grid Data	1:2,500	1995	9
Large-Scale National Grid Data	1:2,500	1995	10
Large-Scale National Grid Data	1:2,500	1996	11
Large-Scale National Grid Data	1:2,500	1996	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14
Historical Aerial Photography	1:2,500	1999	15

Historical Map - Segment A13



Order Details

Order Number: 358878196_1_1
Customer Ref: 4444-23
National Grid Reference: 516060, 128180
Slice: A
Site Area (Ha): 0.9
Search Buffer (m): 100

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

Landmark
LANDMARK INFORMATION GROUP

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

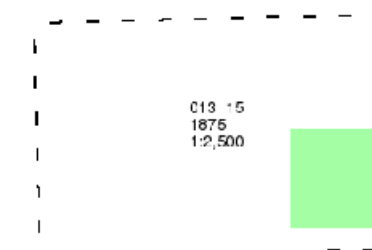
Sussex

Published 1875

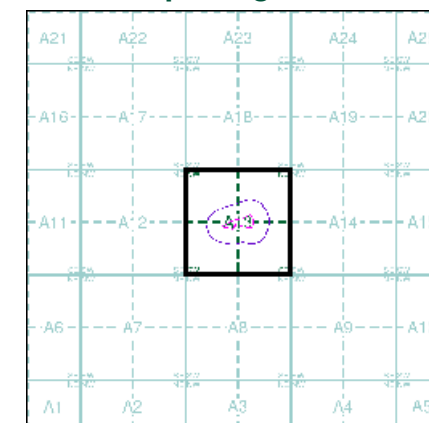
Source map scale - 1:2,500

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

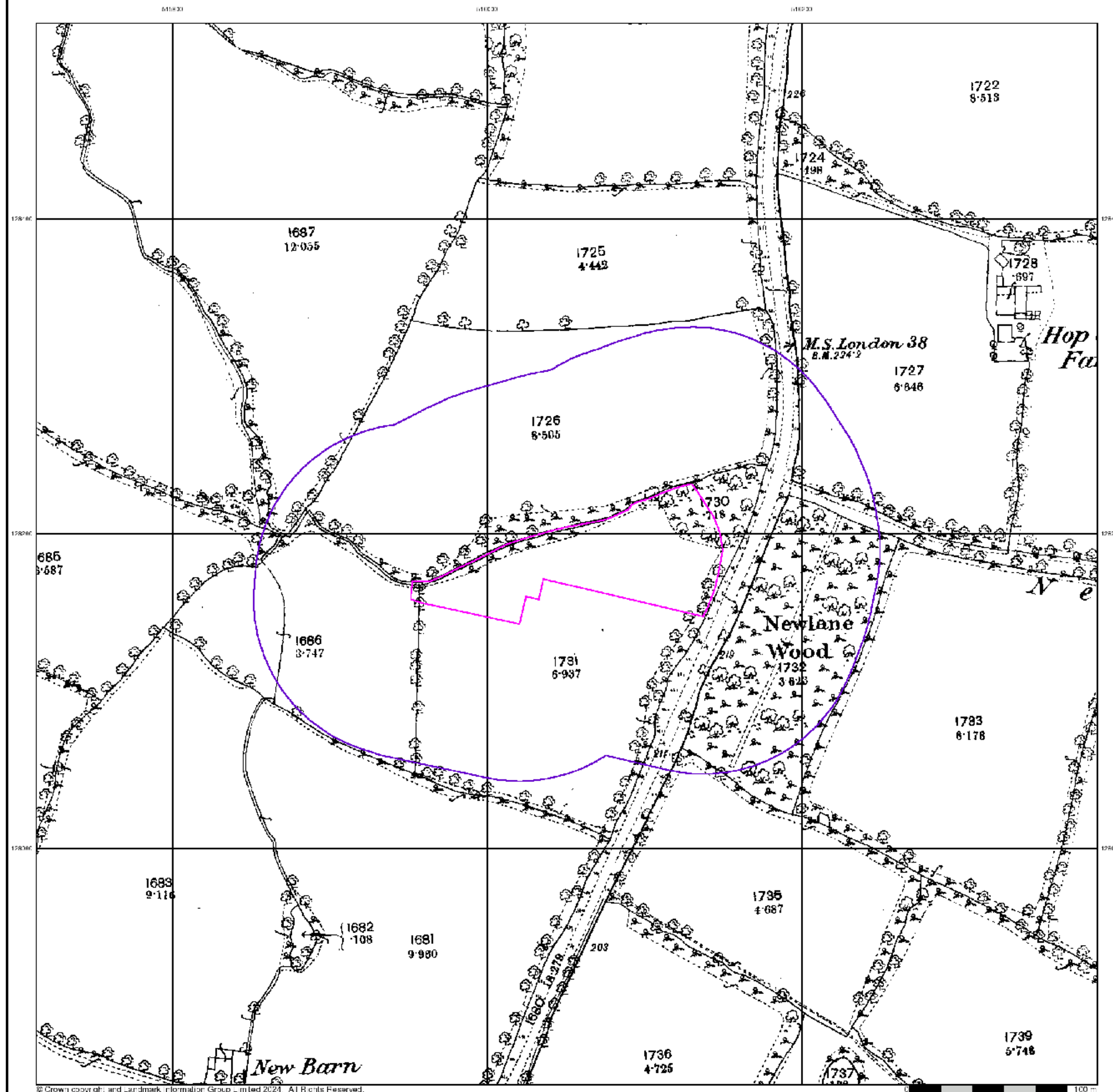


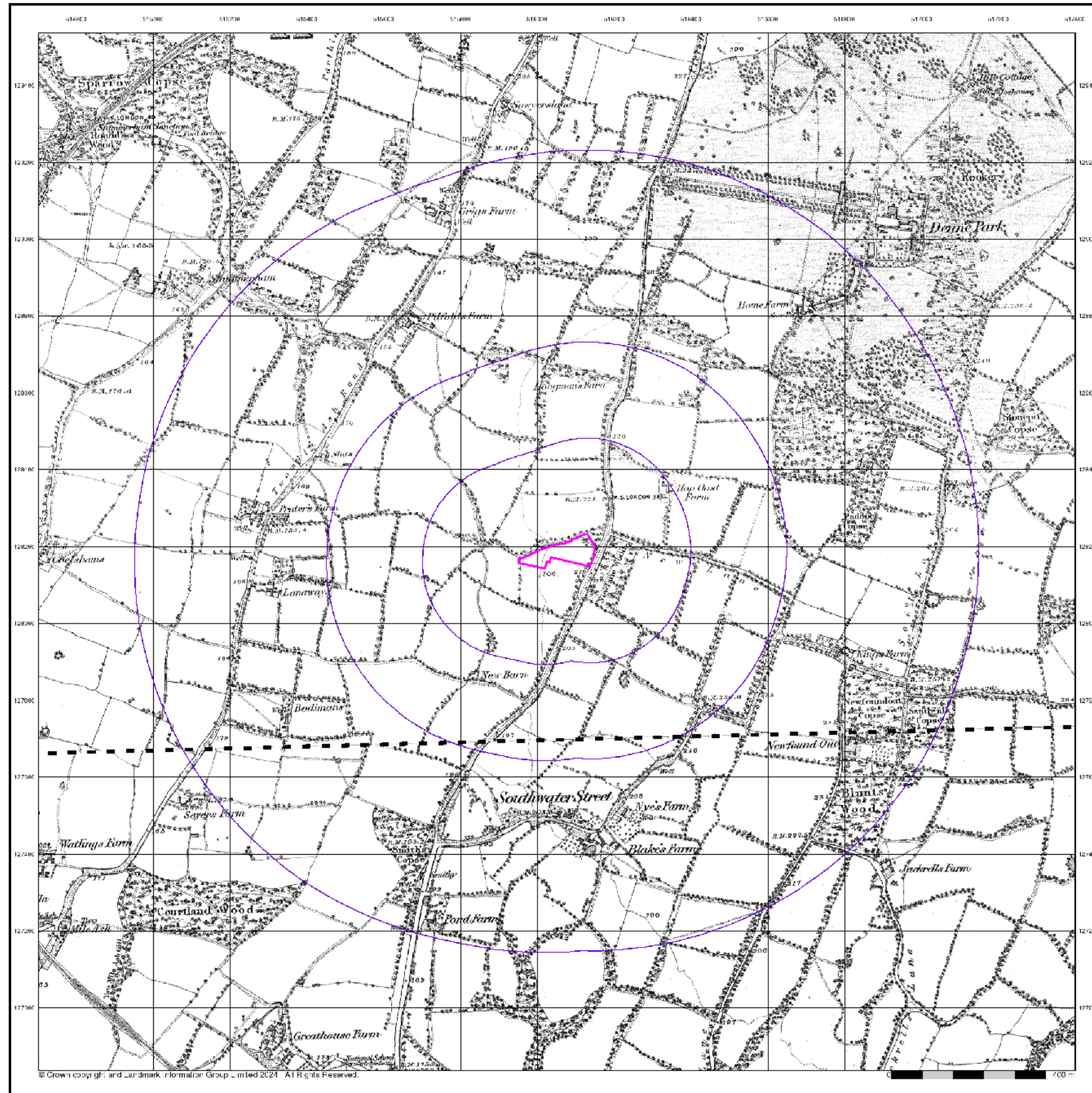
Order Details

Order Number: 358878196_1_1
 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 100

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH





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Sussex

Published 1879 - 1880

Source map scale - 1:10,560

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

Map Name(s) and Date(s)

01300
1880
1:10,560

02400
1879
1:10,560

Historical Map - Slice A

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A16A17A18A19A20

A11A12A13A14A15

A6A7A8A9A10

A1A2A3A4A5

Order Details

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National Grid Reference:	516060, 128180
Slice:	A
Site Area (Ha):	0.9
Search Buffer (m):	1000

Site Details

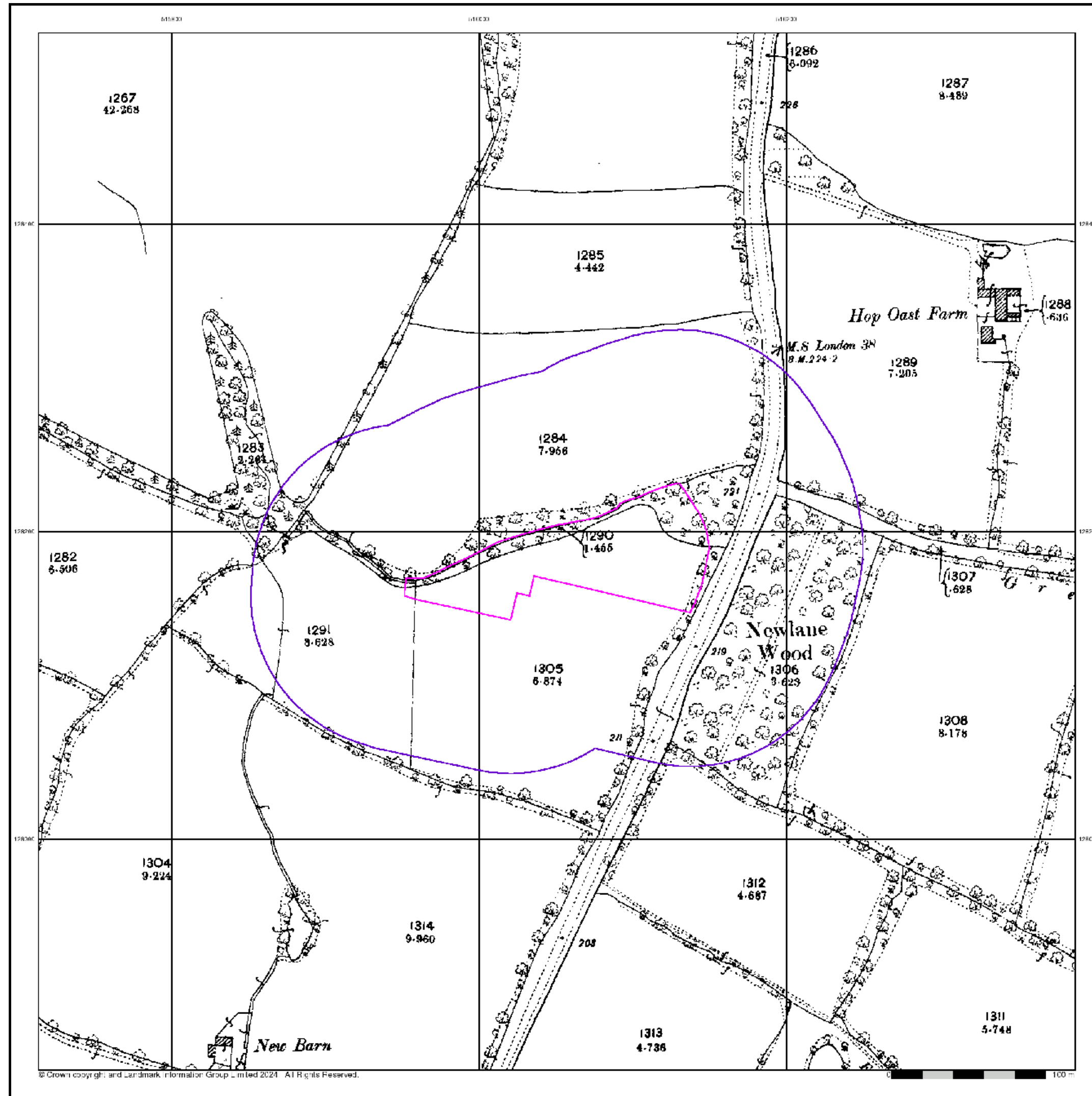
The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH

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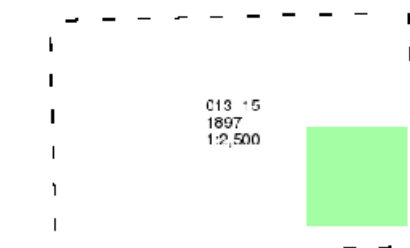
Sussex

Published 1897

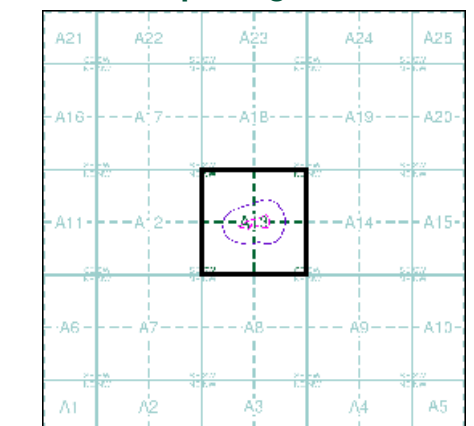
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 358878196_1_1
Customer Ref: 4444-23
National Grid Reference: 516060, 128180
Slice: A
Site Area (Ha): 0.9
Search Buffer (m): 100

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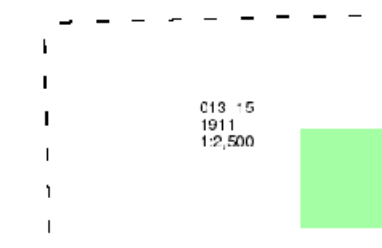
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Published 1911

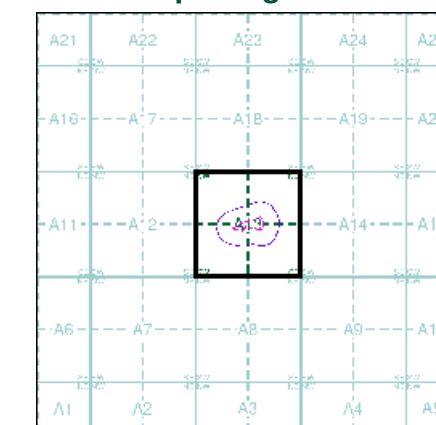
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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

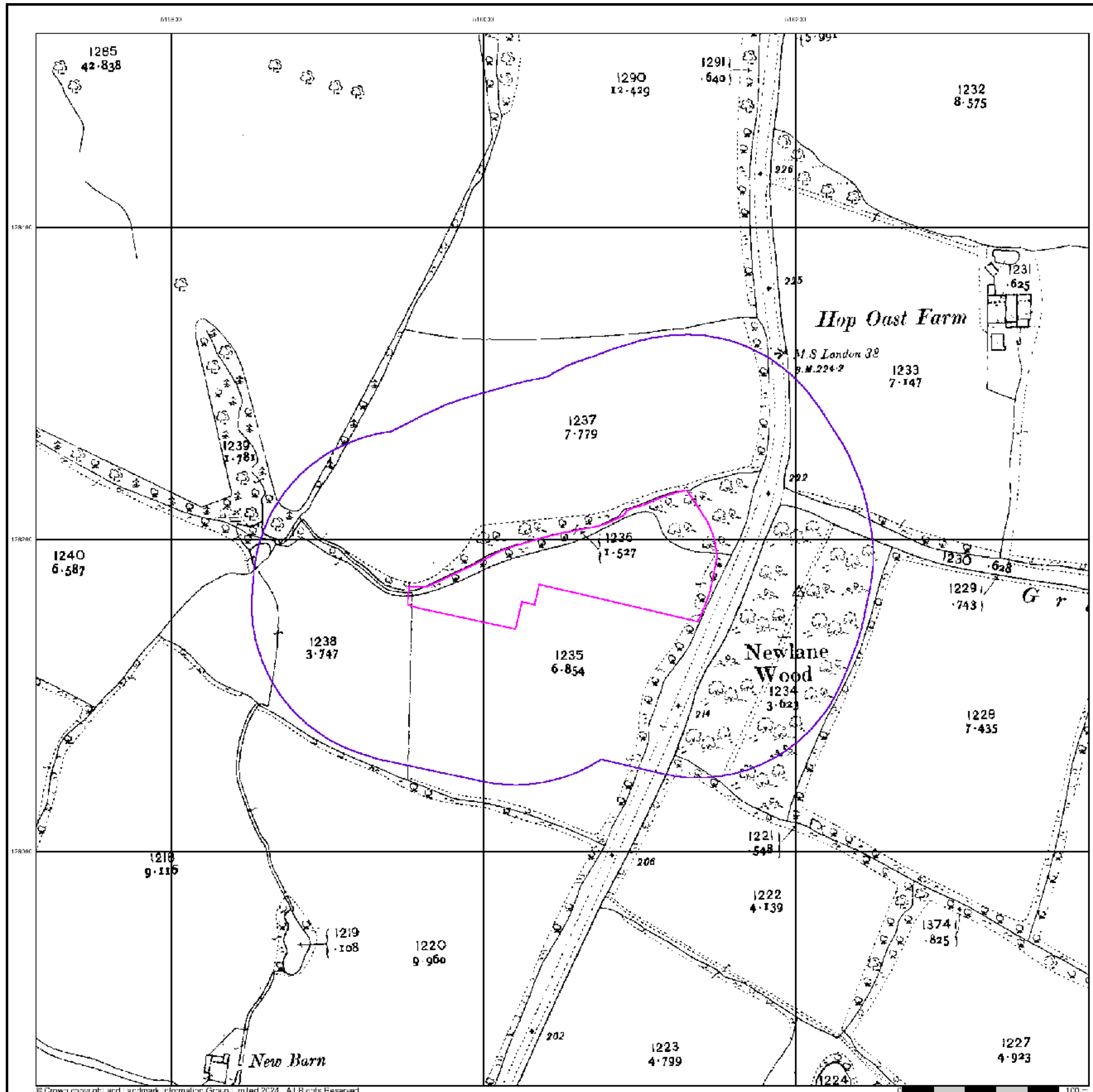


Order Details

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 Search Buffer (m): 100

Site Details

The Entertainer, Unit 2, Bishops Weald House, Albion Way, HORSHAM, RH12 1AH



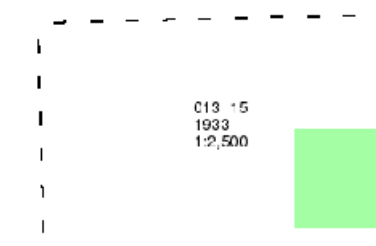
Sussex

Published 1933

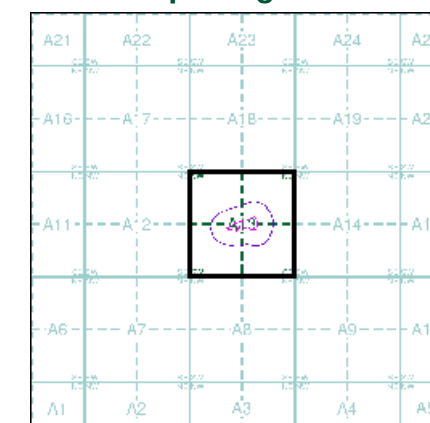
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

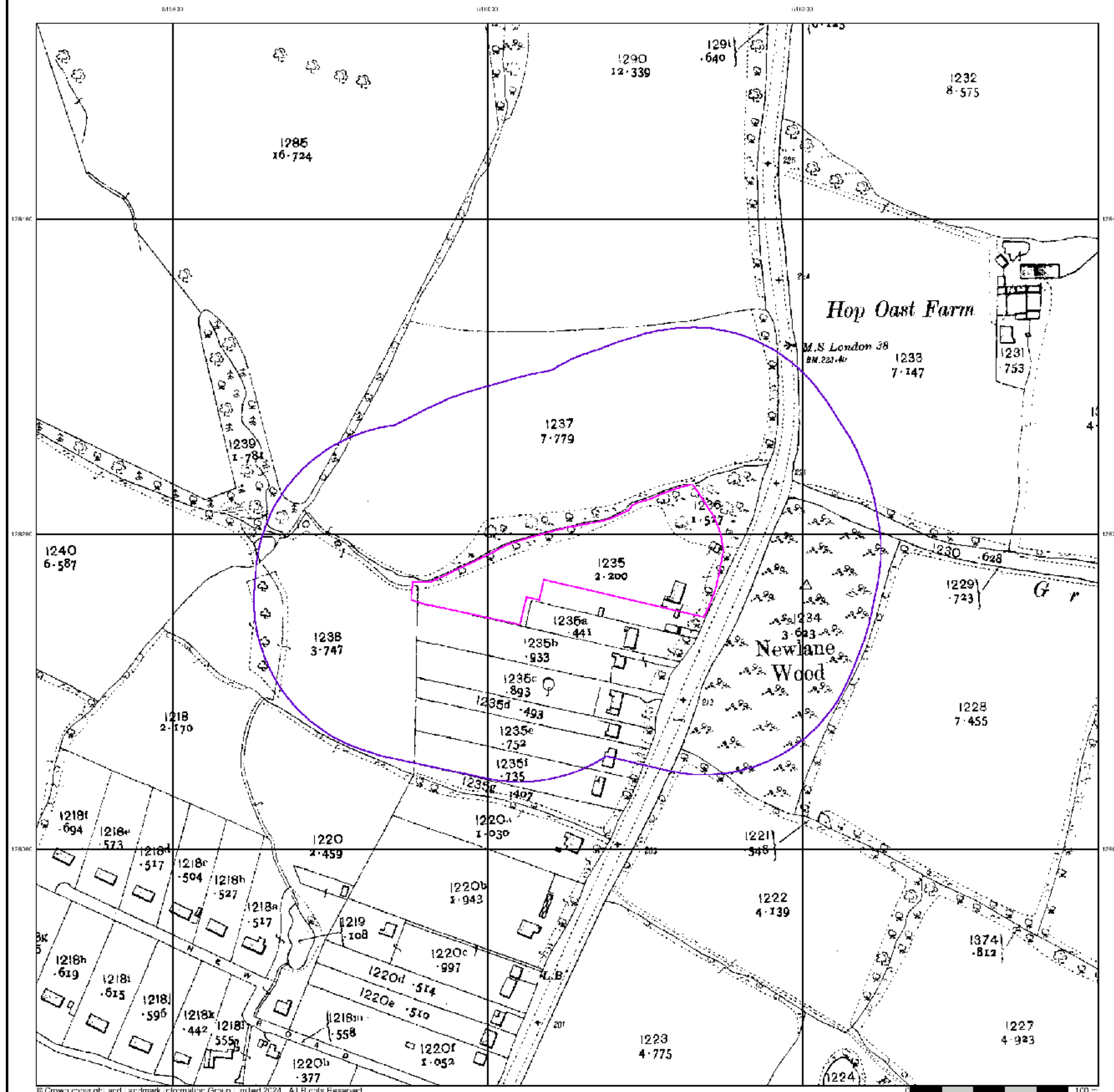


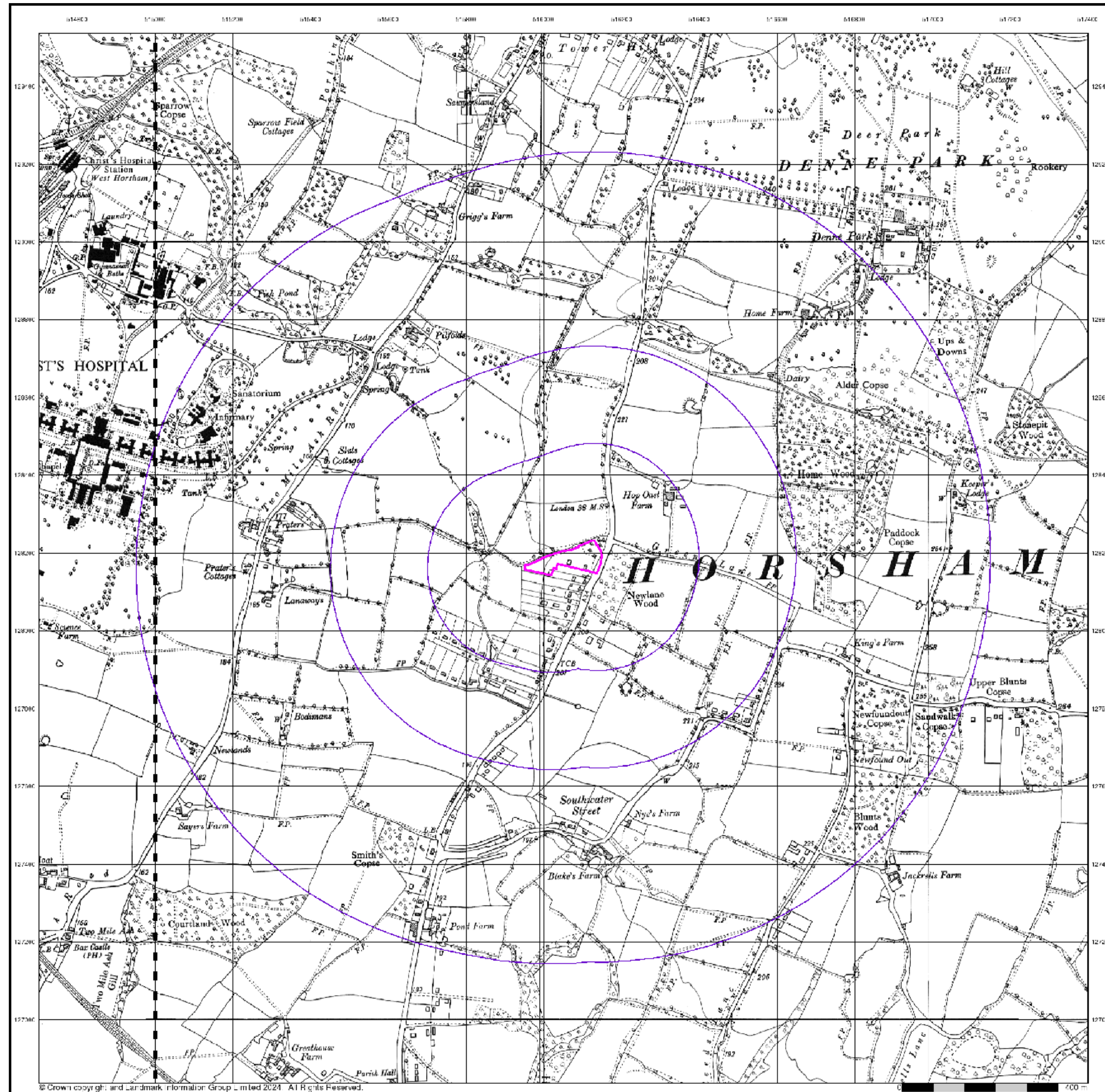
Order Details

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 Customer Ref: 4444-23
 National Grid Reference: 516060, 128180
 Slice: A
 Site Area (Ha): 0.9
 Search Buffer (m): 100

Site Details

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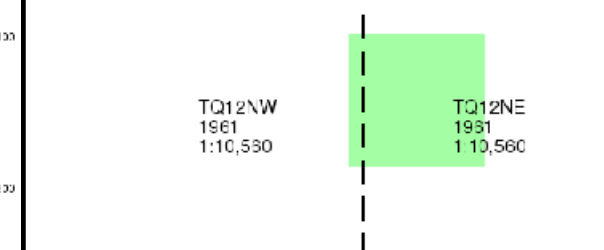
Ordnance Survey Plan

Published 1961

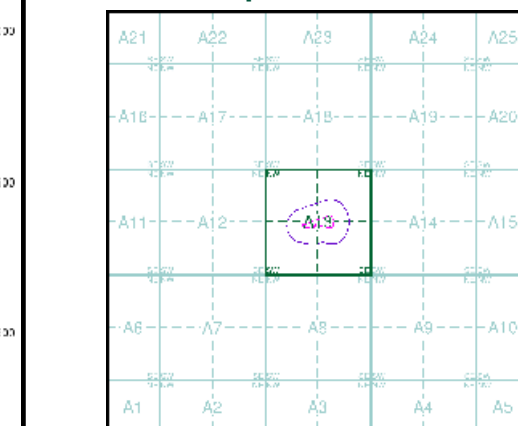
Source map scale - 1:10,000

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

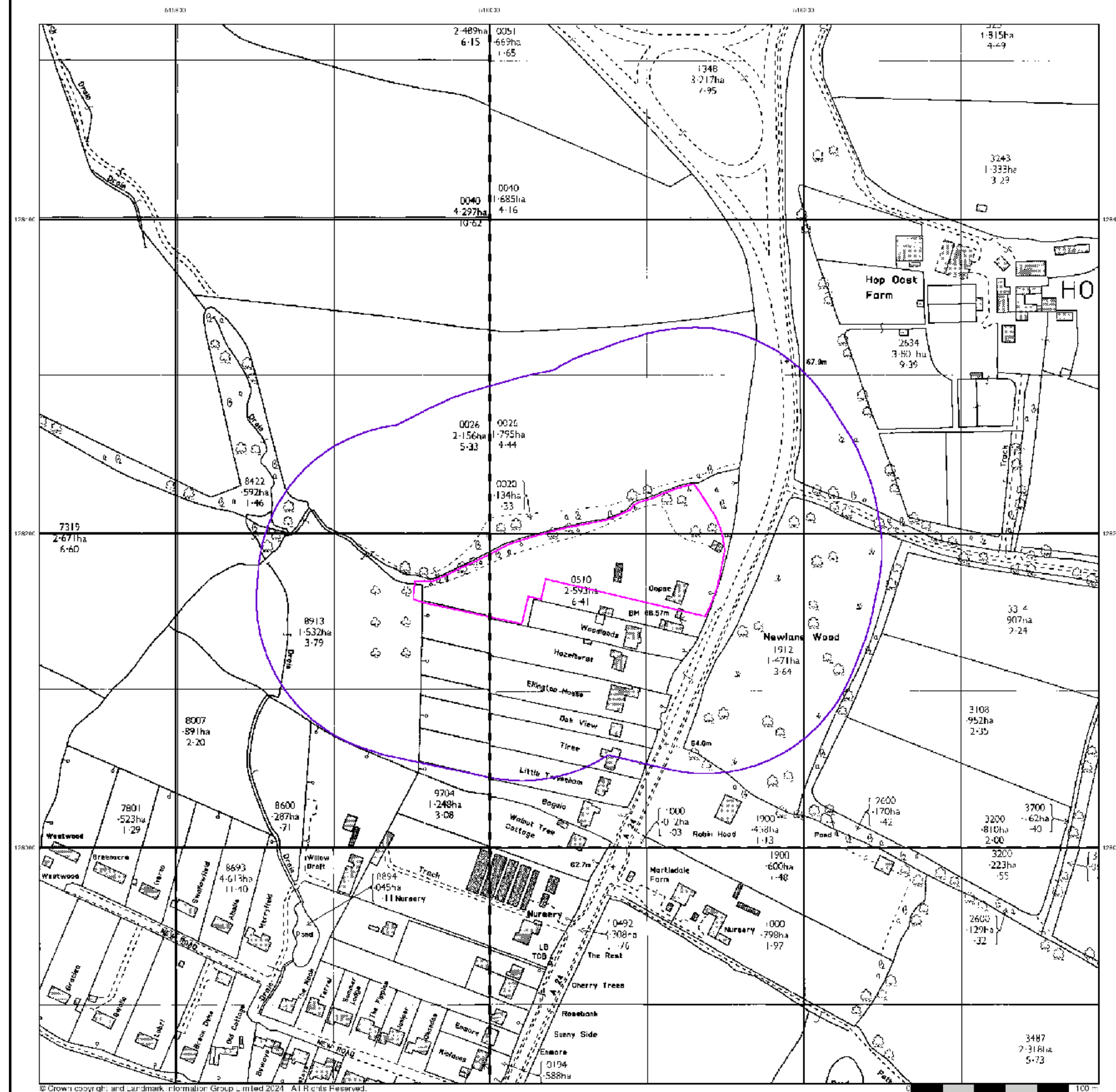
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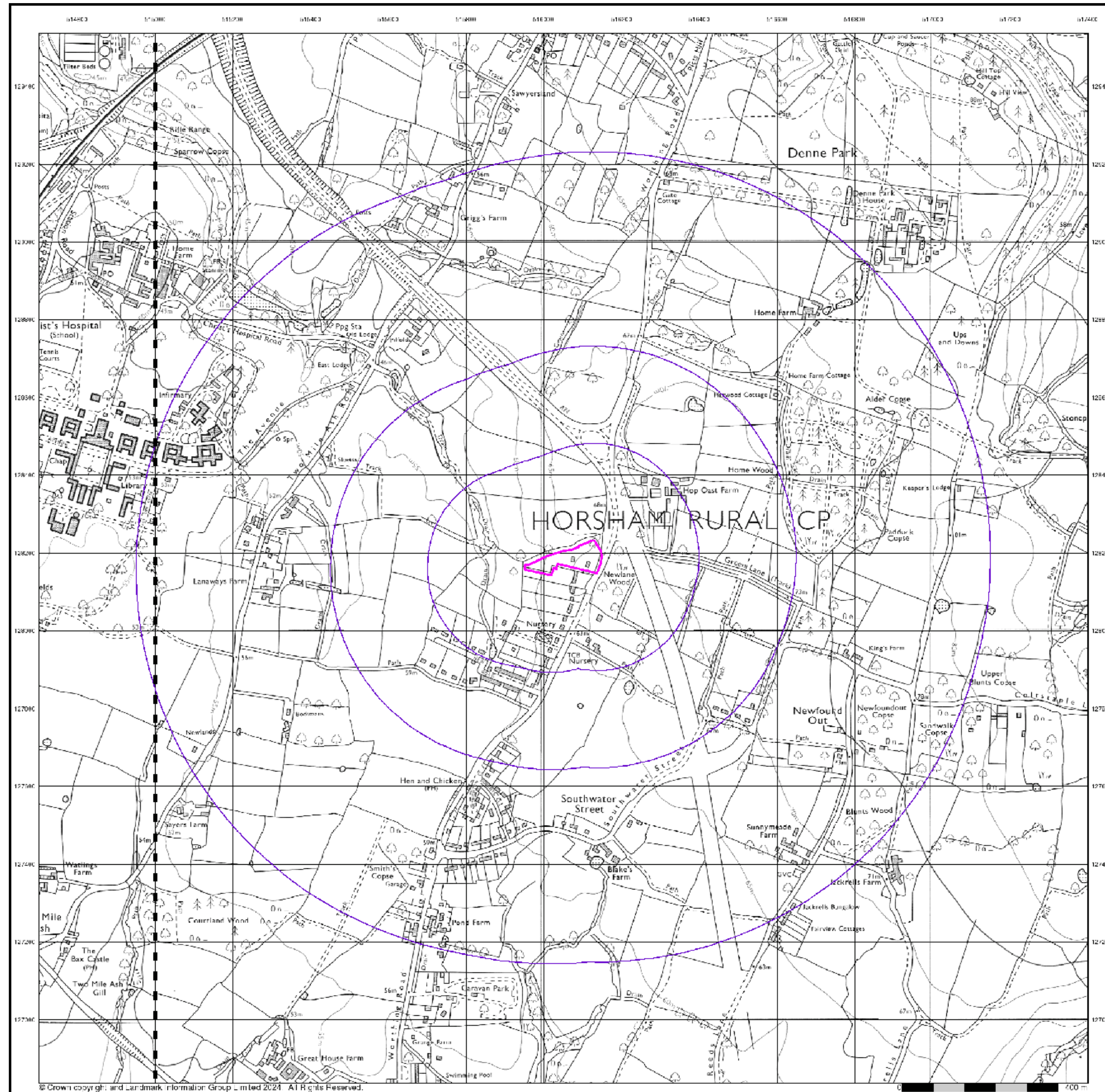
Site Details

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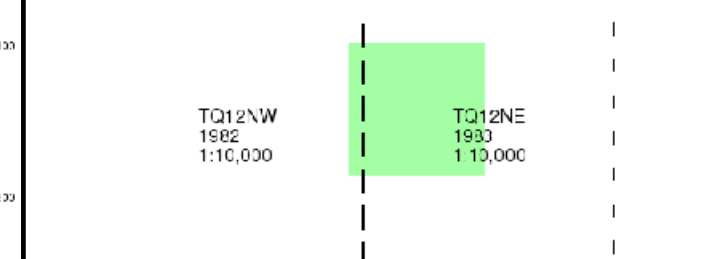
Ordnance Survey Plan

Published 1982 - 1983

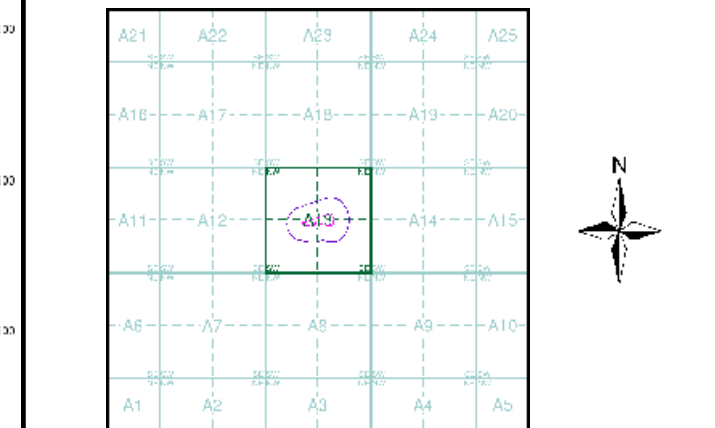
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Map Name(s) and Date(s)



Historical Map - Slice A

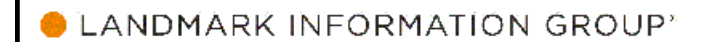


Order Details

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National Grid Reference: 516060, 128180
Slice: A
Site Area (Ha): 0.9
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Published 1993

'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.

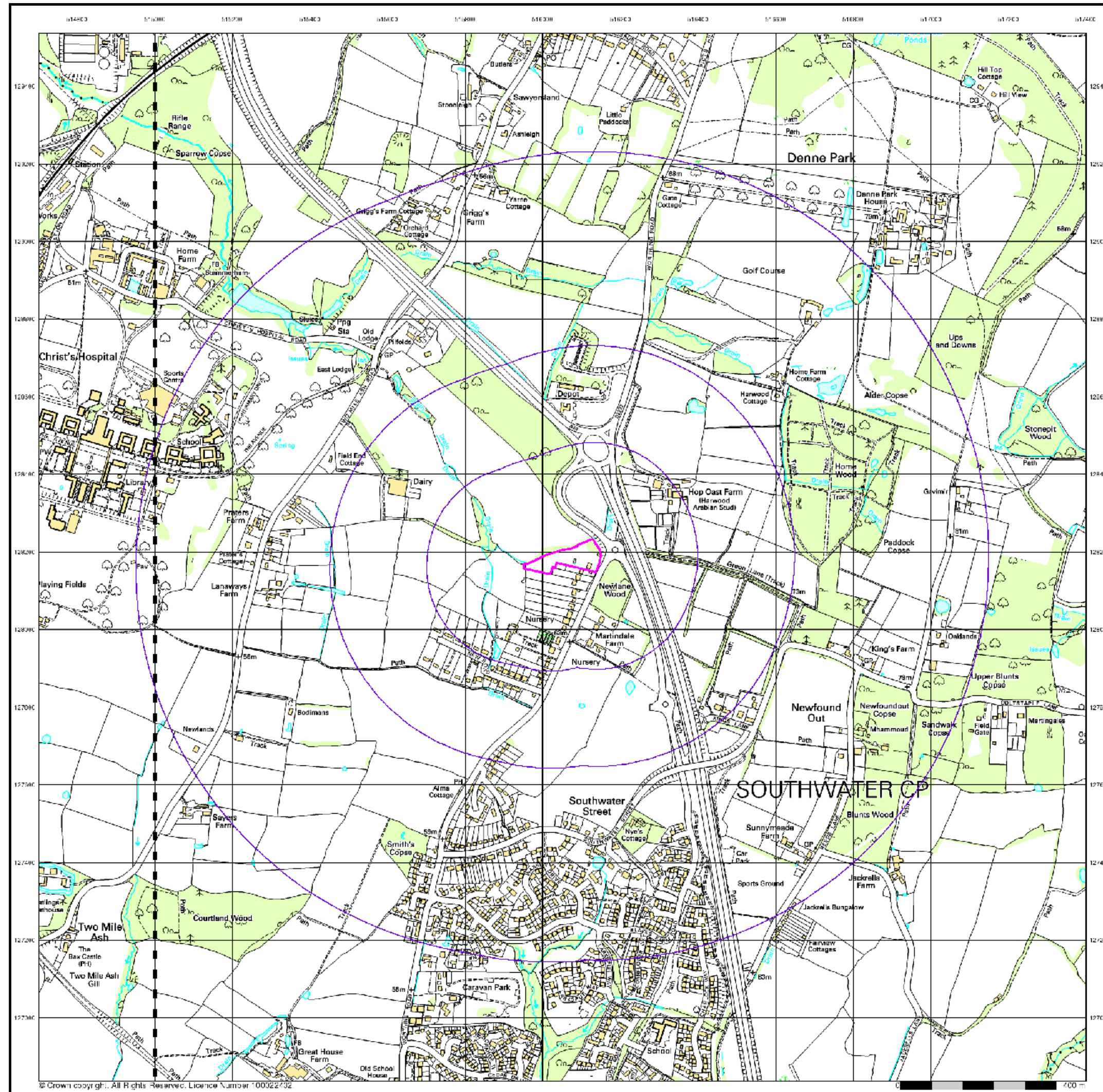
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1983	1993
12,500	12,500
TQ1527	TQ1627
1993	1993
12,500	12,500



Order Number: 358878196_1_1
Customer Ref: 4444-23
National Grid Reference: 516060, 128180
Slice: A
Site Area (Ha): 0.9
Search Buffer (m): 100

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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)

TQ12NW 2000 1:10,000	TQ12NE 2000 1:10,000
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Historical Map - Slice A

Order Details

Order Number:	358878196_1_1
Customer Ref:	4444-23
National Grid Reference:	516060, 128180
Slice:	A
Site Area (Ha):	0.9
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Site Details

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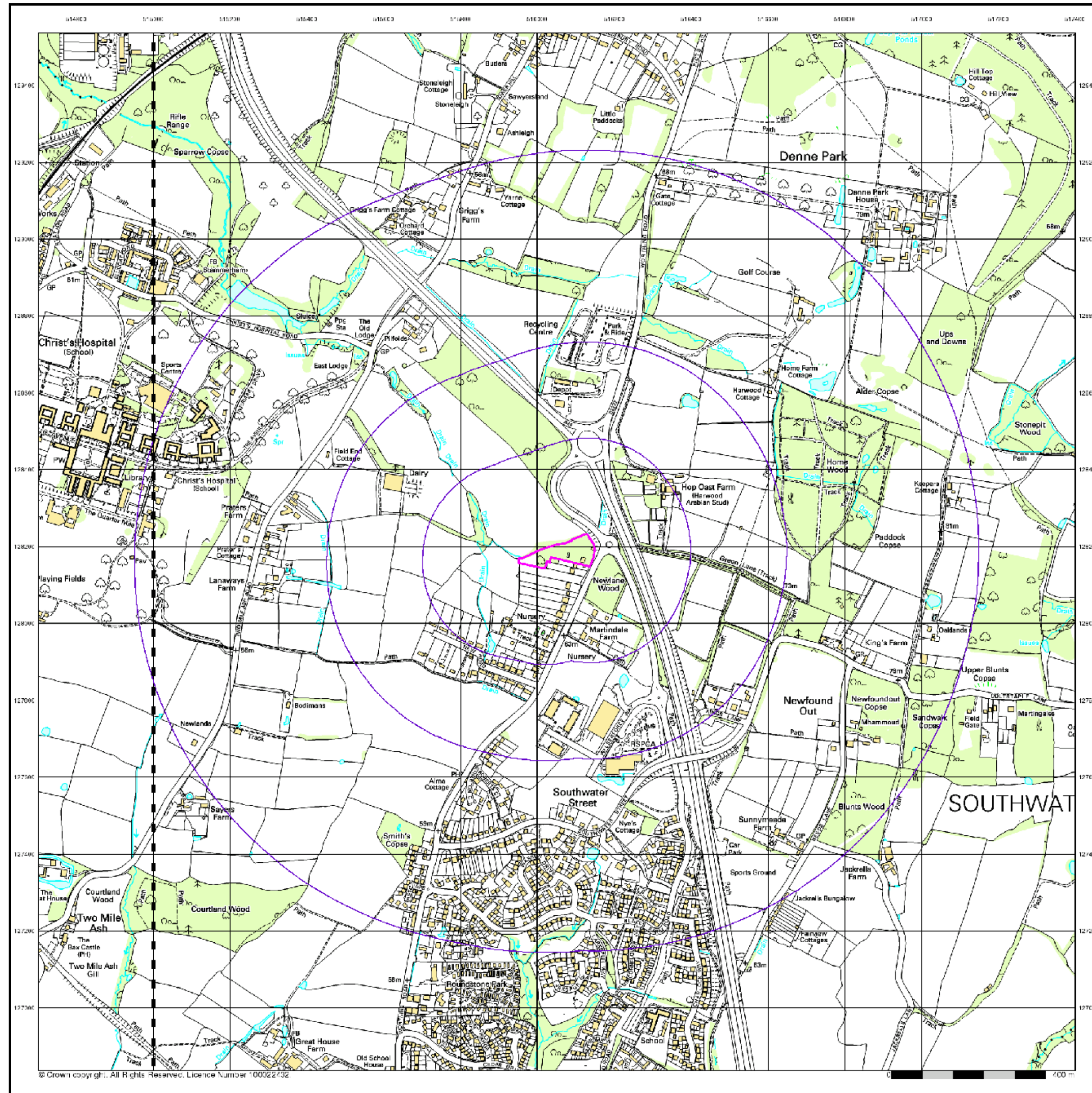
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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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Map Name(s) and Date(s)

TQ12NW 2006 1:10,000	TQ12NE 2003 1:10,000
----------------------------	----------------------------

Historical Map - Slice A

Order Details

Order Number:	358878196_1_1
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Site Details

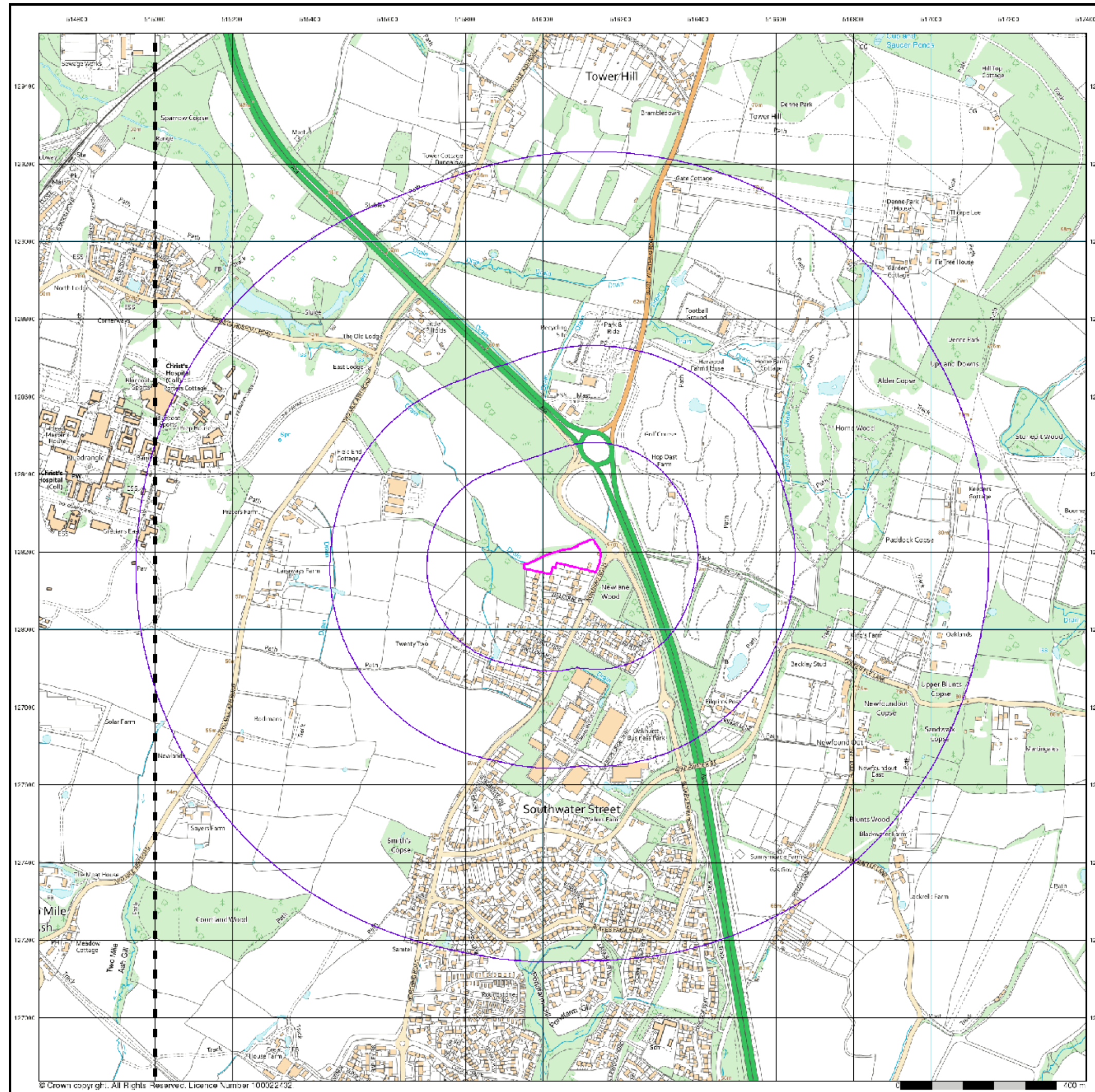
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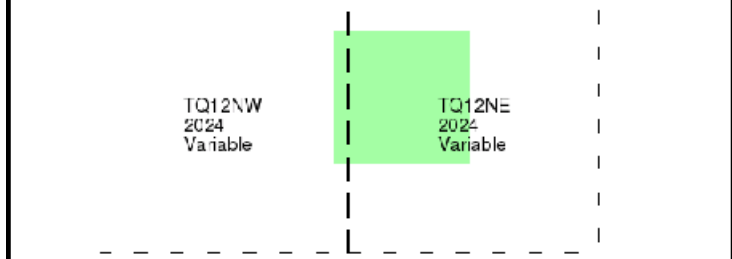
VectorMap Local

Published 2024

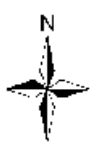
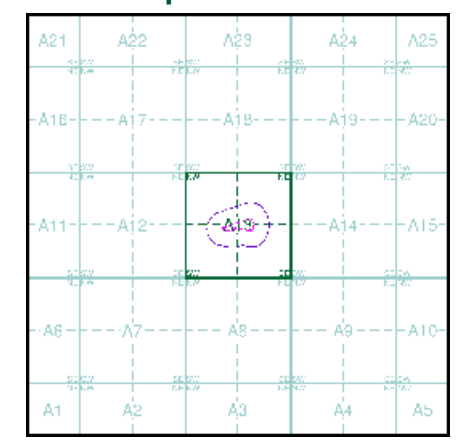
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

Order Number: 358878196_1_1
Customer Ref: 4444-23
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Slice: A
Site Area (Ha): 0.9
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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)

TO12NW 1947 1:10,560	TO12NE 1947 1:10,560
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Historical Aerial Photography - Slice A

Order Details

Order Number:	358878196_1_1
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Slice:	A
Site Area (Ha):	0.9
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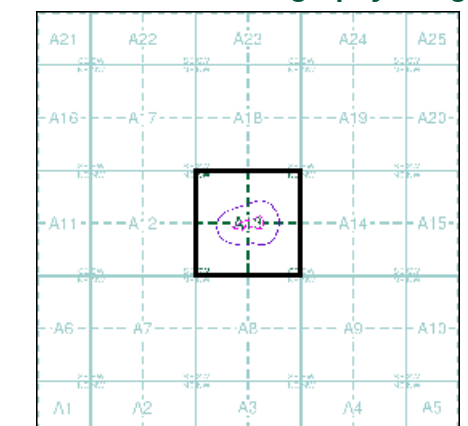
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13

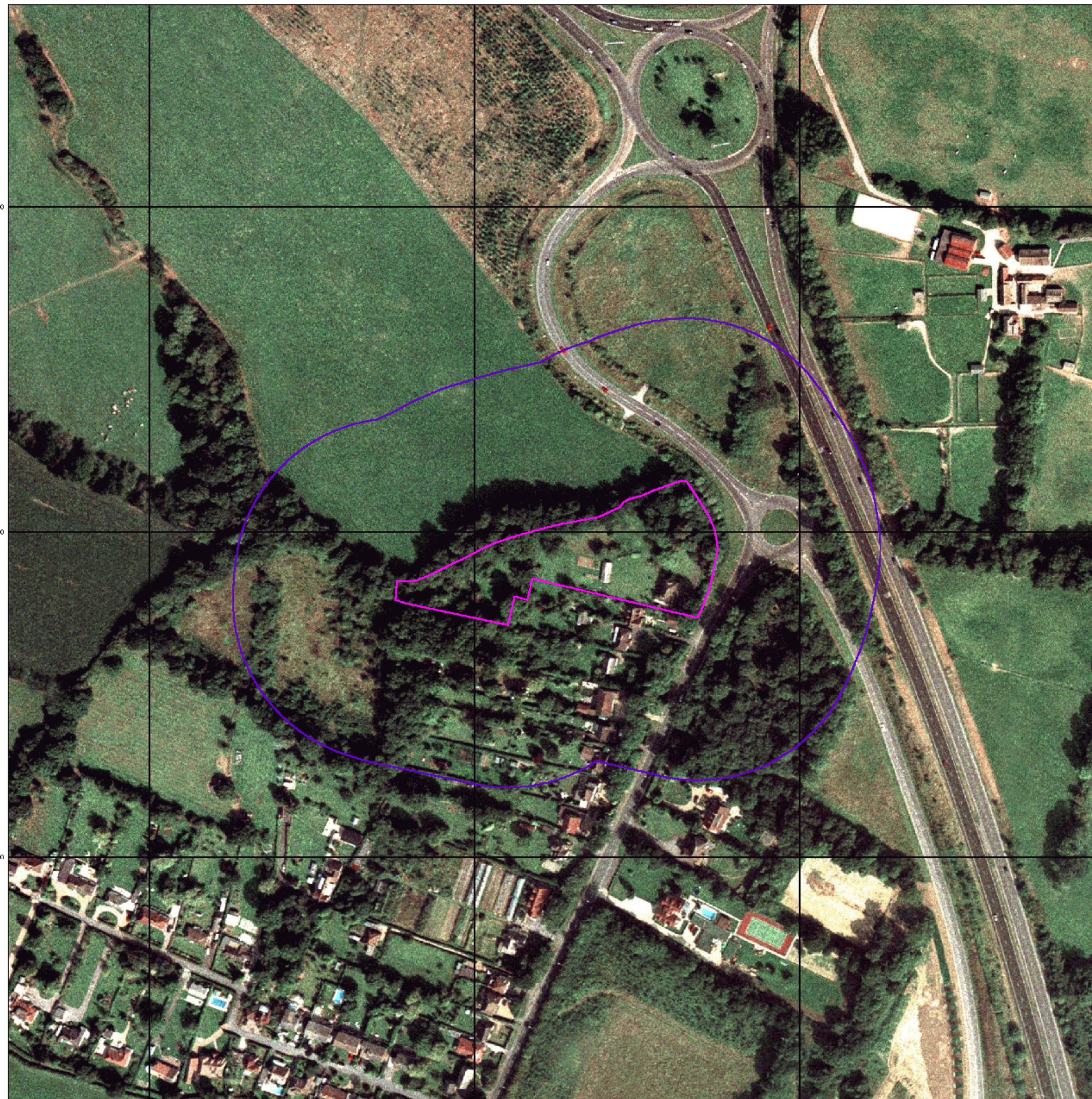


Order Details

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 Site Area (Ha): 0.9
 Search Buffer (m): 100

Site Details

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APPENDIX 5

RISK ASSESSMENT MATRIX

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008) sets out a methodology for the estimation of risk.

At Phase I the risk estimation will take the form of a qualitative risk assessment, which will be entirely based on the conceptual model for each potential end-use of the site. Comments on level of uncertainty will also need to be included for each source-pathway-target linkage to allow the confidence in the assessed risks to be understood. The results of the qualitative risk assessment will allow the risk evaluation to be concisely described in the following chapters.

The methodology for risk evaluation is a qualitative method for interpreting the output for the risk estimation stage of the assessment. It involves the classification of the:

The magnitude of probability (i.e. likelihood).

[takes into account both the presence of the hazard and receptor and the integrity of the pathway]

The magnitude of the potential consequence (i.e. severity).

[takes into account both the potential severity of the hazard and the sensitivity of the receptor]

Classification of Probability

Classification	Definition	Examples
High likelihood (Hi)	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor of harm or pollution.	A) <i>Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden.</i> B) <i>Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50 years</i>
Likely (Li)	There is a pollutant linkage, and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	A) <i>Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space.</i> B) <i>Ground/groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.</i>
Low likelihood (Lw)	There is a pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the short term.	A) <i>Elevated concentrations of toxic contaminants are present in soils at depths >1m in a residential garden, or 0.5-1.0m in public open space.</i> B) <i>Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.</i>
Unlikely (UI)	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.	A) <i>Elevated concentrations of toxic contaminants are present below hardstanding.</i> B) <i>Light industrial unit <10 yrs old containing a double skinned UST with annual integrity testing results available.</i>

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

Classification of Consequence

	Definition	Examples
Severe (Sv)	Highly elevated concentrations likely to result in “significant harm” to human health as defined by the EPA 1990, Part 2A, if exposure occurs. A Category 1: Human Health risk is present. Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long - term maintenance of the population. Catastrophic damage to crops, buildings or property.	<i>Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</i> <i>Major fish kill in surface water from large spillage of contaminants from site.</i> <i>Highly elevated concentrations of List 1 and substances present in groundwater close to small potable abstraction (high sensitivity).</i> <i>Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).</i>
Medium (Md)	Elevated concentrations which could result in “significant harm” to human health as defined by the EPA 1990, Part 2A if exposure occurs. A Category 2: Human Health risk is present. Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.	<i>Significant harm to humans is defined in circular 01/2006 as death, disease* serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</i> <i>Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability.</i> <i>Ingress of contaminants through plastic potable water pipes.</i>
Mild (MI)	Exposure to human health unlikely to lead to “significant harm”. A Category 3 Human Health risk is present. Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population Minor damage to crops, buildings or property.	<i>Exposure could lead to slight short - term effects (e.g. mild skin rash).</i> <i>Surface spalling of concrete.</i>
Minor (Mr)	No measurable effect on humans. A Category 4: Human Health risk is present. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.	<i>The presence of contaminants at such concentrations that protective equipment is required during site works.</i> <i>The loss of plants in a landscaping scheme.</i> <i>Discoloration of concrete.</i>

* For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned.

The classification of consequence does not take into account the probability of the consequence being realized. Therefore, there may be more than one consequence for a particular pollutant linkage. Both a severe and medium classification can result in death. Severe relates to short term (acute) risk while medium relates to long

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

term (chronic) risk. Mild relates to significant harm but to less sensitive receptors. Minor classification relates to harm which is not significant but could have a financial cost.

The classification gives a guide as to the severity and consequence of identified risk when compared with other risk presented on the site. It should be noted that if a risk is identified it cannot be classified as “no risk” but as “very low risk”. Differing stakeholders may have a different view on the acceptability of a risk.

Risk Evaluation Matrix

		Consequence			
		Severe (Sv)	Medium (Md)	Mild (Mi)	Minor (Mr)
Probability	High likelihood (Hi)	Very high risk (VH)	High Risk (H)	Moderate Risk (M)	Mod/low risk (M/L)
	Likely (Li)	High risk (H)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)
	Low likelihood (Lw)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)
	Unlikely (UI)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)	Very low risk (VL)

Risk Categorizations

Very high risk (VH)	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 realized, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High risk (H)	Harm is likely to arise to a designated receptor from an identified hazard. Realization of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate risk (M)	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. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.
Low risk (L)	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realized, would at worst normally be mild.
Very low risk (VL)	There is a low possibility that harm could arise to a receptor. In the event of such harm being realized it is not likely to be severe.

Reference

Rudland, D J, Lancefield, R M, Mayell, P N; 2001; Contaminated land Risk Assessment. A guide to Good Practice; CIRIA Report C552.

The NHBC (National House-Building Council) the Environment Agency and the Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66.