Preliminary Investigation Report

at
Littlefold Family Resource Centre, Linnet Close
Waterlooville, Hampshire PO8 9UY

for
PDP Architecture Limited

Reference: 21511/PIRRev1.0
July 2024

Control Document

Project
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This is not a valid document for use in the design of the project unless it is titled Final in the document status box.

Current regulations and good practice were used in the preparation of this report. The recommendations given in this report must be reviewed by an appropriately qualified person at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.

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Commission

This document comprises the Preliminary Investigation Report (PIR) and incorporates the results, discussion, and conclusions to this intrusive works. General site data is recorded below:

Commission Record	
Client	PDP Architecture Limited
Site Name	LittlefoldFamily Resource Centre, Linnet Close, Waterlooville, Hampshire PO8 9UY
Grid Reference	SU 68148 11812
Soils Limited Quotation Ref	Q28943 dated 29/05/24
Clients Purchase Order	Q28943dated 18/06/24

The record of revision is presented below:

Record Of Revisions		
Revision	**Date**	**Reason**
1.0	July 2024	Final

Note: The latest revised document supersedes all previous revisions of the PIR produced by Soils Limited.

Documents associated with this development that must be referred to are given below.

Record Of Associated Documents			
Reference	**Type**	**Date**	**Creator**
21511_1	Change Request Form	09/07/24	Soils Limited
18177-SK101A	Proposed site plan	June 2024	PDP Architecture Limited
28179-PD001	Existing site plan	June 2024	

Caveats

Whilst reasonable skill and care has been taken to determine the site history and the environmental setting within the time constraints applied by the project, it should be appreciated that uncertainties may occur owing to the natural variability of soil material within a defined area or as a result of unknowns that are associated with contaminated land assessment in general. The site conditions may be different from that indicated by this Preliminary Investigation, particularly on a site with a history of past development. No responsibility can be accepted should such conditions alter the recommendations made in this report.

Without a drainage survey it is not possible to establish if the surface water drainage is to the main drainage system or soakaways. If there are soakaways on-site, they could act as a potential source. The geology on-site to an extent may determine if soakaways were likely to have been adopted.

Ordinary watercourses (OWs) are defined as rivers (which are not designated as main rivers), streams, ditches, drains, culverts, cuts and sewers (other than public sewers). This includes all OWs that are not mapped. Ordinary watercourse consent (OWC) is required from the Lead Local Flood Authority (LLFA) when changing/adapting/adding to the cross sections of OWs. Installations of any structure or obstruction into an OW that

impedes the flow without consent is prohibited by the Land Drainage Act 1991 Section 23.

Failure to remove obstructions may result in legal action by the LLFA with powers under Section 25 of the Land Drainage Act 1991.

Soils Limited suggest surveying the site for OW usually seen in rural areas as boundary ditches in order to avoid potential impacts to residents downstream and prosecution. OWC can be applied for from your LLFA.

This Preliminary Investigation does not include a detailed UXO risk assessment, it does however contain a basic assessment in accordance with CIRIA C681 and C785. In preparing a Preliminary Investigation reference is made to historical maps and web based sources to assess the risk of the site potentially having been impacted by bombing during the World Wars. The data readily available is not necessarily definitive. Certain areas were bombed heavily such as centres of industrial manufacture, airfields, shipyards, docklands, railways sidings and junctions. The assessment is based on the likely area risk, bomb patterns (i.e. lines of recorded bomb impacts with gaps where an impact would be anticipated) and the age of structures on and in close proximity to the site.

Explanations

The Preliminary Investigation Report was undertaken to advise the client on the risk pertaining to the site, with special reference to historic and current potential contaminative activities and processes. This also included the assessment of their impact on current and future sensitive receptors such as human health, controlled waters, ecological features, building structures and services.

During the site walkover observations were made in relation to current activities, evidence of historical activities, sources of potential contamination such as fuel storage tanks, oil drums and chemical storage and evidence of contamination. The walkover also looked for evidence of soil contamination in the form of staining odours and stressed or discoloured vegetation.

To assess the vulnerability of groundwater to contamination, consideration must be given to the leaching characteristics of the overlying soils and the characteristics of the strata in the unsaturated zone. Information on the geological strata such as lithological type and permeability characteristics has been combined with the physical properties of the soil to produce varying degrees of vulnerability.

The object of the historic map study 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 dating from the mid to late 19th Century to the present day as downloaded from Landmark Environmental.

The published maps only represent a “snap shot” of the site and its environs at the date of the survey. The detail of the information recorded can vary between epochs, map scale and county areas. It should be noted that changes in land uses, processes or

activities may have occurred outside of published epochs and these may not have been recorded on subsequent epochs. Also note that as methods of projection, production and recording have changed over time, this can result in geo-reference errors that may indicate the established site boundary is off-centre from its true location on older historical maps. Where this is potentially significant it will be noted.

Any distances quoted for features remote from the site have been scaled from the maps and are only approximate. Where dates have been noted in brackets, these are the actual dates applicable to the map editions and may not reflect the date of the original survey it is based on. 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.

As part of the review of the historical plans, only features considered to have or to have had a potential contaminative impact on the site and usually within a notional 250m radius are discussed. The north point and approximate extent of the site are indicated on each figure.

Dataset survey is undertaken, and the extent of the search has initially been limited to a radius of 250m as it is considered that sources of contamination beyond 250m are unlikely to impact on the site.

The BGS soil chemistry for environmental assessments dataset coverage, was developed from BGS G-BASE and Imperial College Wolfson Atlas data. It contains estimated ambient As, Cd, Cr, Ni and Pb background concentrations for rural topsoils across Great Britain. It also contains the locations and measured concentrations (mg kg-1) of As, Cd, Cr, Cu, Ni, Pb, Sn and Zn in urban topsoil samples, collected from geochemical surveys in 23 major urban centres.

Legislation and Liability

The primary legislative mechanism for contaminated land management in the UK is Part 2A of the Environmental Protection Act, 2021 (EPA). Part 2A was introduced into the EPA under Section 57 of the Environment Act 1995 to help deal with the substantial legacy of land contamination. The legislation provides powers in relation to the identification, remediation and apportionment of liability for contaminated land. Part 2A applies where there is unacceptable risk, assessed on the basis of the current use and the relevant circumstances of the land. It is not directed to assessing risks in relation to a future use of the land that would require a specific grant of planning permission.

Under Part IIA of the Environment Act 2021, Local Authorities are required to identify contaminated land and serve on every person who is an appropriate person a remediation notice setting out what is to be done by way of remediation and the period within which it must be done.

If the person who caused, or knowingly permitted, the contaminating substance cannot be found, the owner and/or, occupier for the time being, of the property can be the appropriate person.

Under the legislation, Contaminated Land is defined as: -

"Land which is in such a condition by reason of substances in, on or under the land that significant harm is being caused or that there is a significant possibility of such harm being caused or that pollution of controlled waters is being or is likely to be caused."

Where the Act defines harm as:

"harm to the health of living organisms or other interference with the ecological systems of which they form a part and, in the case of man, includes harm to his property."

and pollution of controlled waters is defined as: -

"the entry into controlled waters of any poisonous, noxious or polluting matter or any solid waste matter."

In addition, The Radioactive Contaminated Land (Modification of Enactments) (England) Regulations 2006 introduced the supplementary definition of harm to include: lasting exposure to any person resulting from the after-effects of a radiological emergency, past practice or past work activity.

With regard to contaminated waters, the Environment Act 1995 amends the Water Resources Act 1991 and provides the Environment Agency with the power to force clean-up of historical contamination by issuing a Works Notice, with remediation paid for by the responsible parties.

The Groundwater Regulations (1998) stated that entry of List 1 substances into groundwater must be prevented, and List II substances must be controlled.

Limitations and Disclaimers

This Preliminary Investigation Report relates to the site located at Littlefold Family Resource Centre, Linnet Close, Waterlooville, Hampshire, PO8 9UY and was prepared for the sole benefit of the Client for the brief described in the Commission of this report.

The contents, recommendations and advice given in the report are subject to the Terms and Conditions given in the Soils Limited Quotation and the subsequent Clients Purchase Order.

Soils Limited disclaims any responsibility to the Client and others in respect of any matters outside the scope of the above.

This report has been prepared by Soils Limited, with all reasonable skill, care and diligence within the terms of the contract with the Client, incorporation of our General Conditions of Contract of Business and taking into account the resources devoted to us by agreement with the Client.

The report is personal and confidential to the Client and Soils Limited accept no responsibility of whatever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report wholly at its own risk.

The Client may not assign the benefit of the report or any part to any third party without the written consent of Soils Limited.

The ground is a product of continuing natural and artificial processes. As a result, the ground will exhibit a variety of characteristics that vary from place to place across a site, and also with time. Whilst a ground investigation will mitigate to a greater or lesser degree against the resulting risk from variation, the risks cannot be eliminated.

The investigation, interpretations, and recommendations given in this report were prepared for the sole benefit of the client in accordance with their brief. As such these do not necessarily address all aspects of ground behaviour at the site.

Current regulations and good practice were used in the preparation of this report. An appropriately qualified person must review the recommendations given in this report at the time of preparation of the scheme design to ensure that any recommendations given remain valid in light of changes in regulation and practice, or additional information obtained regarding the site.

There may be other sources of information not included in those listed that hold data relevant to the Preliminary Investigation Report undertaken at the site that could materially affect the conclusions made in this report.

It should be noted that a detailed survey of the possible presence or absence of invasive species, such as Japanese Knotweed, is outside of the scope of investigation.

Ownership of land brings with it onerous legal liabilities in respect of harm to the environment. “Contaminated Land” is defined in Section 57 of the Environment Act 2021.

Where a contaminative use is identified in the Preliminary Investigation Report this does not determine whether contamination has actually occurred, or if it has the degree to which it may have taken place. An intrusive investigation(s) and analysis is required to establish the nature and degree of any contamination present.

All works are undertaken in the context of, and in compliance with, BS10175+A2 2017 and LCRM (EA 2021) and all other pertinent planning, standards, documentation and guidance appropriate to the site at the time of production which may include, but are not necessarily limited to, documents provided by BS/CEN/ISO, NHBC, AGS, CIEH, CIRIA, SoBRA and CLAIRE.

Ownership of copyright of all printed material including reports, survey data, drawings, laboratory test results, trial pit and borehole log sheets, including drillers log sheets remains with Soils Limited. License is for the sole use of the client and may not be assigned, transferred or given to a third party. This license is only valid once we have been paid in full for this engagement. In the event of non-payment for our services, we

reserve the right to retract the license for all project data, preventing their use and any reliance upon such data by the client or any other third party. We may also contact parties other than the client to notify them of this retraction.

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Section 1 Site Conditionsand Proposed Development

1.1 Site Walkover

A site walkover was undertaken in July 2024, by Soils Limited. The notes of the site walkover are presented in Table 1.1 and Table 1.2.

Table 1.1 Site Walkover Record (On-site)

Use of Site	The site was a former children's care home, entrance through a residential car park into the home's car park in the northern section. The perimeter of the site was fenced off with green fencing and the car park was overgrown and mossy. Small outdoor seating in the car park area, towards the south of the site there was a large garden areawhichwas overgrown.
Structures	Children's home, small outside seating area
Site Topography	Dipping 2˚ to the south
Site Covering	Concrete ground withpathways and car park. There werealso areas of overgrown grass and concrete slabs towards the south of the site
Vegetation	Overgrown grass, moss and weeds. Large trees.
Potential Contamination Sources	Roofing and insulation materialsmay potentiallycontain asbestos
Odour	None noted
Drainage	Drains observed on site

Table 1.2Site Walkover Record (Off-site)

Use of Land	**North:** inaccessible large trees which fence offthenew residential development **South:** residential terrace houses, communal carpark and a main road leading into the cul-de-sac where the site islocated **W est:** Residential terrace houses with communal parking and a small playground **East:** large inaccessible trees 1mwest ofsite
Area Topography	Dipping 3˚ towards the south
Vegetation	Grass adjacent to the paths,abundance of maturetrees to the north and east as well as other large trees around the residential areas
Potential Contamination Sources	Residential garages

1.2 Site Drainage

Via surface drainage, which are anticipated to be connected to the mains system as drains were observed. Confirmation of the site drainage would be needed via a drainage survey.

1.3 Site Photographs

The site photographs have been included within Appendix F.

1.4 Proposed Development

The proposed development involves the refurbishment of the existing children's care home into 10 residential dwellings. This refurbishment will involve the removal of a porch and a chimney. The proposal also includes 14 communal parking spaces, soft landscaping and well as 20 cycle spaces.

The recommendations provided within this report are made exclusively in relation to the scheme outlined above and must not be applied to any other scheme without further consultation with Soils Limited. Soils Limited must be notified about any change or deviation from the scheme outlined.

The proposed development plans have been provided in Appendix A.

Section 2 Geology, Hydrogeology, Hydrology and Radon

2.1 Anticipated Geology

The 1:50,000 BGS Geology map showed the site to be situated on the Lambeth Group with overlying superficial deposits of Head - Clay and gravel.

2.1.1 Superficial: Head -Clay and gravel

Head is poorly sorted and poorly stratified, angular rock debris and/or clayey hill wash and soil creep, mantling a hillslope and deposited by solifluction and gelifluction processes. Solifluction is the slow viscous downslope flow of waterlogged soil and other unsorted and unsaturated superficial deposits. The term gelifluction is restricted to the slow flow of fluidized superficial deposits during the thawing of seasonally frozen ground. The flow is initiated by meltwater from thawing ice lenses. Polymict deposit comprises gravel, sand and clay depending on upslope source and distance from source. Locally with lenses of silt, clay or peat and organic material.

2.1.2 Bedrock: Lambeth Group

Vertically and laterally variable sequences mainly of clay, some silty or sandy, with some sands and gravels, minor limestones and lignite and occasional sandstone and conglomerate. The Lambeth Group was deposited in fluvial, estuarine, lagoonal or proximal marine environments.

It directly overlies the Chalk or Thanet Sand Formation and is succeeded by the Harwich and London Clay Formations and is generally less than 50m thick.

The deposits of fine-grained sand, flint gravel beds, mottled clay, shell beds and altered beds form a complex interdigitating sequence, which is divided into three formations and several informal lithological units.

2.2 Hydrogeology

Table 2.1 presents the hydrogeological data that is relevant to the site.

Table 2.1 Hydrogeological Assessment

Hydrogeological Data		Comment
On-site Aquifers	Superficial	Secondary Aquifer A[1]
	Bedrock	Secondary Aquifer A[1,2]
Groundwater Vulnerability		High Vulnerability
Source Protection Zones (SPZ)		Zone III (Total catchment)[2] – On Site Zone II (Outer Protection Zone)[3] – On Site Zone I (Inner Protection Zone)[4] – On Site Zone Ic (Inner Protection Zone)[5] – 188m South Zone of Special Interest[6] – 188m South
Abstraction	Potable	None within 1000m
	Non-potable	None within 1000m
Sensitive Land Uses		None within 250m
Surface Water Features		106m NW
Flood Risk from Rivers or Seas		None

Hydrogeological Data	Comment
Flood Risk from Surface Water	None
Flood Risk from Groundwater	None

Note(s): [1]Secondary A are permeable layers capable of supporting water supplies at a local rather than strategic cases forming an important source of base flow to rivers. [2] Lambert Group [3] The total area needed to support the discharge from the protected groundwater source. [4]Either 25% of the source area or a 400-daytravel time whichever is greater. [5] Travel time of 50 days or less to the groundwater source. [6] Travel time of 50 days or less to the groundwater source -subsurface activity only. [7] Zones outside the normal catchment area where potential polluting activities and known local conditions could affect the groundwater source.

Any works or development which has the potential to have an impact on surface water, aquifer or groundwater quality must be approved by the Environment Agency prior to implementation.

2.3 Hydrology

The approximate elevation of the site was ~60m Above Ordnance Datum (AOD). The anticipated groundwater flow direction is given in Table 2.2.

Table 2.2 Hydrological Assessment

Type	Direction	Notes
Surface water	S	Anticipated to flow south following the dominant surrounding topography
Groundwater	S	Anticipated to flow south following the dominant surrounding topography through the Lambeth Group.
Deep groundwater	S	To the nearest abstraction well associated withinthe SPZ

2.4 Radon Gas

The site is located in an area where the maximum radon potential is 1-3% therefore further measures are not likely to be required although this should be confirmed with local Building Control.

Section 3 Site History

3.1 Historic Map Study

The historic maps referred to are appended to this report (Appendix B).

Table 3.1 Historic Development of the Site

Site History	Date Range	
	From	To
The site is noted to be undeveloped land with a few treeson the eastern border.	1868	1909
The trees on the eastern border are no longer there,and the area is now a 'rough pasture' along with 'non-coniferous trees (not surveyed)'.	1909	1932
More non-coniferous trees (not surveyed) have been planted on site	1932	1953-1969
The non-coniferous trees (not surveyed) are still present and a road leading on site has been built	1953-1969	1972-1974
Construction of the children's home on site	1972-1974	1976-1980
Children's homehas been built and remains there until present day	1976-1980	2024

Note(s):

Table 3.2 Historic Off-site Development

Off-site Developmentwithin 250m	Date Range	
	From	To
Wecock Common is noted to be 115m south from siteas well as an unnamed brushwoodand an unnamed field.90m west there is a pond next toa well, on the border of Chaplain's Wood. 150m to the north-west, there is a large chalk pit65m acrossas well as anotherpond.100m northis Woodcroft farm. There are a few unnamed structures 200m north westand another one 150m west.[1]	1868	1897
The pond has been backfilled and the chalk pit to the NW has now been disused, the unnamed building to the north east is now known as 'Woodcroft'. The unnamed brushwood is now 'Grandy Grove' and is 130m south east from the site.[2]	1897	1910
The unnamed field is now a rough pasture with non-surveyed non coniferous trees and has expanded towards the west. Another unnamed structure has been built150m west of site	1910	1932
Construction of roads 150m towards the westas well as some coniferous and non-coniferous trees	1932	1953-1966
'Old Chalk Pit' was noted and backfilled circa 146m north to the site	1868	1959-1975
The roads constructed in the westhave been extendedeast, Wecock common and Grandy Grove have both been cut through to make room for the new road 'Eagle Avenue' as well as smaller cul-de-sacs.170m to the east, residential buildings have started to be constructedalong with residential garages. The unnamed pasture is now an empty field again, with trees surrounding the perimeter.	1970-1974	1972-1974
The construction of residential properties has been completed, and are now 20m from the site, along with the construction of a school 180m SW from the site	1972-1974	1976-1980
A subway has been constructed 50m SSE from the site and a recreation ground in the field east of the site.	1980	1992
60m east of the site, the half of recreation ground hasbeen developed into a further two small streets ofresidential properties	1992	2006

Off-site Developmentwithin 250m	Date Range	
	From	To
Woodcroft Farm has been demolished	2006	2019[3]
The construction of further residential properties where the old Woodcroft Farm used to be. 200m NW a pumping station has also beenconstructed next to the balancing pond which is yet to be filled[4]	2019	2024

Note(s):[1]There are a further 3 chalkpits and one disusedchalk pit outside of the 250m radius. [2]The chalk pits outside of radius are now all disused. [3]Used Google Earth [4]Time of writing

Table 3.3 Potential Sources of Pollution Indicated from Historic Maps

Source	Direction	Distance (m)	Date Range	
			From	To
Chalk pits (Backfilled)	N	146	1868	1959-1975
Pond	NW	120	1868	1897
Pond	W	90	1868	1962
Woodcroft Farm	N	100	1868	2019
Subway	SSE	50	1980	2016
Pumping station	NW	200	2019	2024
Residential garages	W	20	1972-1974	2024

3.2 Bomb Damage and the Potential for Unexploded Ordnance(UXO)

Based on the assessment of the historical and Zetica UXO maps, there is a **moderate risk** of UXO within the vicinity of the site with a bombing density of 15-49 bombs per 1000-acre noted. Thus, a specialist UXO risk assessment is recommended to determine the risk to the proposed development.

Section 4 Environmental Records and Consultation

4.1 Dataset Information

A copy of the report is appended to this report in Appendix C and summarised in Table 4.1, Table 4.2 and Table 4.3.

Table 4.1 Environmental Significance of Data

Source	Direction	Distance (m)
Contaminated Land Register Entries and Notices	None	None
Discharge Consents	None	None
Integrated Pollution Prevention and Control	None	None
Local Authority Pollution Prevention and Controls	None	None
Local Authority Pollution Prevention and Control Enforcements	None	None
Nearest Surface Water Feature	NW	106
Pollution Incidents to Controlled Waters (Significant Incidents only)	None	None
Prosecutions Relating to Authorized Processes	None	None
Registered Radioactive Substances	None	None
Substantiated Pollution Incident Register	None	None
Nearest Potable Abstraction Point	None	None
Nearest Non-Potable Abstraction Point	None	None
Water Industry Act Referrals	None	None
Source Protection Zones	-	Onsite
Extreme Flooding from Rivers or Sea Without Defences	None	None
Flooding from Rivers or Sea Without Defences	None	None
Areas Benefiting from Flood Defences	None	None
Flood Water Storage Areas	None	None
Flood Defences	None	None
BGS Recorded Landfill Sites	None	None
Historical Landfill Sites	N	140[1]
Licensed Waste Management Facilities	None	None
Local Authority Recorded Landfill Sites	None	None
Potentially Infilled Land (Non-Water)	N	146[2]
Potentially Infilled Lane (Water)	None	None
Registered Landfill Sites	None	None
Registered Waste Transfer Sites	None	None
Registered Waste Treatment or Disposal Sites	None	None
Control of Major Accident Hazards Sites (COMAH)	None	None
Notification of Installations Handling Hazardous Substances	None	None
Planning Hazardous Substance Consents	None	None

Note(s): [1]Landfill at Woodcroft Farm [2]Unknown Filled Ground

The contemporary trades listed in Table 4.2 are only those considered to be viable potential sources of contamination that could impact the site.

Table 4.2 Contemporary Trade Directory

Contemporary Trade Directory within 250m	Direction	Distance (m)	Status
Air Conditioning & Refrigeration Contractors	W	27	Active
Woodworm Control	NE	28	Inactive
Engineers -General	S	66	Inactive

Contemporary Trade Directory within 250m	Direction	Distance (m)	Status
Waste Disposal Services	NE	75	Inactive
Cleaning Services -Domestic	E	86	Inactive
Scrap Metal Merchants	S	156	Inactive

Table 4.3 Geological Hazards

Source	Nearest Distance from Site/Type
Coal Mining Affected Areas	None
Mining Instability	None
Natural and Mining Cavities	166m N:Sinkhole – Chalk Group, Lambeth Group and Superficial Head
Potential for Collapsible Ground Stability Hazards	Very Low – onsite
Potential for Compressible Ground Stability Hazards	None
Potential for Ground Dissolution Stability Hazards	No Hazard – onsite
Potential for Landslide Ground Stability Hazards	Very Low – onsite
Potential for Running Sand Ground Stability Hazards	No Hazard – onsite
Potential for Shrinking or Swelling Ground Stability Hazards	Moderate – onsite

4.2 Site Sensitivity Maps

No other significant potential sources of contamination were shown on the Landmark Envirocheck Site Sensitivity Maps, which have not been listed in Table 4.1, Table 4.2 and Table 4.3, and copies of which are appended to this report (Appendix C).

4.3 Regulatory Enquires

As part of the Preliminary Investigation Report the local authority was contacted and asked to provide any information on potential risks pertaining the site. The information provided by the local authority has been presented in Appendix E. A summary of pertinent information is outlined below:

'The council has no records of pollution incidents likely to have a significant impact on soil/land quality within the search area.

The property has not been determined to be contaminated land, nor has it been assigned a priority for physical inspection for the purposes of determining whether it might meet the statutory definition of contaminated land.

No potential sources of contamination close to the site known

No records of storage tanks within the area known

Four historic wells – indicated from historic maps

Landfill sites

- *Woodcroft Farm,*
  Licence Ref: 13/5,
  Conflicting information on the nature of fill; "Earth Spoils, Construction Inerts & Demolition Waste", or "Industrial". Former considered more likely (based upon site investigation).
  Location: 468054m,112014m, 155m from subject property
  Area & Depth of Fill: 0.55Ha, ~2.6m BEGL.

There are also 4 no. former surface water features within the search area that may have been used for informal/unlicenced disposal of waste (made ground)

There has been no other reports of site investigation previously undertaken that may be pertinent to the area'

4.4 Soil Geochemistry

The results of this survey are contoured on the Landmark Environmental check report (Appendix D). The results of the local soil chemistry are presented in Table 4.4.

Table 4.4 Soil Geochemistry

Determinant	Indicated Soil Geochemistry (mg kg^{-1})
Arsenic	<15
Cadmium	<1.8
Chromium	60-90
Lead	100-200
Nickel	15-30

Residential with homegrown produce land-use scenario which was considered the most appropriate land-use scenario given the type of the proposed development. No metals were noted exceeding guideline values

Section 5 Data Collection Summary

5.1 General

Table 5.1 summarises the site Environs, which include geology, hydrogeology, the risk from radon and potential risk from flooding.

Table 5.1 Site Environs

Environs	Summary
Geology	The site issituated on the Lambeth Group with overlying superficial deposits of Head -Clay and gravel.
Hydrogeology	Both the Superficial Head and the Lambeth Group make up Secondary AAquifers which are 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.
Source Protection Zone (SPZ)	Zone III (Total catchment)[2] – On Site Zone II (Outer Protection Zone)[3] – On Site Zone I (Inner Protection Zone)[4] – On Site Zone Ic (Inner Protection Zone)[5] – 188m South Zone of Special Interest[6] – 188m South
Surface Water Flow	Anticipated to flow south following the dominant surrounding topography
Groundwater Flow	Anticipated to flow south following the dominant surrounding topography through the Lambeth Groupand Head Deposits.
Deep Groundwater	The groundwater at depth will be controlled by the nearest abstraction well associated with the SPZ, which is to the South
Radon	The site is located in an area where the maximum radon potential is 1-3% therefore further measures are not anticipated.
Flooding	Groundwater flooding potential: Very significant risk – high possibility on site No risk from surface water flooding
Geological Hazard	Potential for Compressible Ground Stability Hazards None Potential for Ground Dissolution Stability Hazards No Hazard – onsite Potential for Landslide Ground Stability Hazards Very Low – onsite
Local Authority Response	'The council has no records of pollution incidents likely to have a significant impact on soil/land quality within the search area.
Soil Chemistry	None exceeding the guideline values.
Ecological	None

Table 5.2 provides a summary of potential on-site and off-site contamination sources identified during the study of the historic maps, the Landmark Envirocheck Dataset Report and the Site Walkover

Table 5.2 Summary of Potential Contamination Sources

Contaminative Source	Direction	Distance (m)	Date Range		Data Source
			From	To	
Off-Site					
Roofing and insulation materials	Onsite		1976-1980	2024	HM/GE/SW
Off-Site					
Old Chalk pit (backfilled)	N	146	1868	1959-1975	HM/DS
Pond	NW	120	1868	1897	HM/GE
Pond	E	90	1868	1962	HM/GE
Registered Landfill site	N	100	1868	2019	HM/GE

Contaminative Source	Direction	Distance (m)	Date Range		Data Source
			From	To	
Subway	SSE	50	1980	2016	HM/GE
Residential Garages	W	20	1972-1974	2024	HM/GE
Pumping station	NW	200	2019	2024	HM/GE
Air Conditioning & Refrigeration Contractors	NE	28	Inactive		DS
Woodworm Control	W	27	Active		DS
Engineers -General	S	66	Inactive		DS
Waste Disposal Services	NE	75	Inactive		DS
Cleaning Services -Domestic	E	86	Inactive		DS
Scrap Metal Merchants	S	156	Inactive		DS

Note(s): SW – Site walkover, HM – Historic Maps, DS – Datasheet, GC – Geochemistry, LA – Local Authority, GE Google Earth

Section 6 Preliminary Conceptual Site Model

6.1 Sources and Pathways of Contamination

The Landmark Site Specific Envirocheck Report and Site Walkover have been used to identify potential contaminative sources. These sources have been presented in Table 5.2. An assessment of the likely pathways and the likelihood of each contaminative source that was considered a risk has been presented in Sections 6.2 to 6.4.

6.2 Potential Pathways

A review of the potential pathways on and off the site has been undertaken based on the site, ground conditions, hydrology and scientific knowledge of the behaviour of the contaminants in the ground. The pathways applicable to the site and the proposed development have been marked in Table 6.1.

Table 6.1 Applicable Pathways

Pathway	Present	Comment
Inhalation of dust		Site workers/off site users
Inhalation of vapour/gases		Site workers/off site users
Ingestion and absorption via direct contact		Site workers
Migration via surface runoff		Site workers/off site users despite low risk
Migration in solution via groundwater		Very high groundwater vulnerability
Migration of gases via permeable soils		Site Workers/Site Maintenance, End Users, Off-site Users, Buildings and Confined Spaces
Direct contact with construction material		Buried structures
Services and utilities		Buried services

6.3 Potential Sources of On-site Contamination.

The sources are presented in Table 6.2.

Table 6.2 On-site Potential Contamination Sources

Source	Likely	Reasoning
Roofing and insulation materials		On site, build pre-2000so potential for there to be asbestos

6.4 Potential Off-site Sources of Contamination

These sources have been presented in given in Table 6.3.

Table 6.3 Off-site Potential Contamination Sources

Source	Direction	Distance (m)	Likely	Reasoning
Old Chalk pits (Backfilled)	N	146		Distance to the site and backfilled in 1959-1975 and upstream of the hydraulic gradient

Source	Direction	Distance (m)	Likely	Reasoning
Residential Garages	W	20		Proximity to site
Pond	NW	120		The ponds havebeen backfilled for recent residential development
Pond	E	90		
Registered landfill site	N	100		Up Hydraulic gradient
Pumping station	NW	200		Distance and not along hydraulic gradient to the site
Air Conditioning & Refrigeration Contractors	W	27		An office-registered location
Woodworm Control	NE	28		
Engineers -General	S	66		Distance and down hydraulic gradient to the site
Waste Disposal Services	NE	75		Up Hydraulic gradient
Cleaning Services -Domestic	E	86		Off Hydraulic gradient
Scrap Metal Merchants	S	156		
Potentially Infilled Land (Non-Water)	N	146		Up Hydraulic Gradientand potential gas risk and unknown backfilled materials

6.5 Potential Contaminants

Table 6.4 presents the range of possible contaminants associated with the onsite and off-site activities and sources identified following a review of historical maps and datasets.

Table 6.4 Potential Contaminants

Potential Contaminative Sources	Contaminants / Chemical Properties
Roofing and insulation materials	Metals, Semi-metals and non-metals, PAHs, TPHs, Asbestos, pH, ground gas
Old Chalk pits (Backfilled)	
Residential Garages	
Registered landfillsite	
Waste Disposal Services	
Potentially Infilled Land (Non-Water)	

6.6 Potential Exposure Receptors

The assessment for potential receptors is presented in Table 6.5.

Table 6.5 Potential Receptors

Potential Receptor		Present
Human Health	Future users of the site(End Users)	
	Construction workers on-site(Site Workers)	
	Service and maintenance workers(Site Maintenance)	
	Site neighbours and wider public(Off-site Users)	
Groundwater / Controlled Waters	Surface Water	
	Shallow Aquifer	
	Deep Aquifer	
Buildings & Materials	Buildings and Confined Spaces	
	Buried Structures	
	Buried Services	

Potential Receptor		Present
Ecosystems	Flora and fauna	

6.7 Preliminary Conceptual Site Model and Risk Assessment

A preliminary risk assessment has been undertaken based on the proposed development. The assessment has been based on the likelihood of the presence of a pollutant linkage.

A pollutant linkage is the relationship between a contaminant source, a pathway and a receptor. Unless all three elements of a pollutant linkage are present, a risk is not considered to exist. Each of the three elements has been considered within Table 6.1 to Table 6.5. The preliminary conceptual site model and risk assessment is presented in Table 6.6. The classification tables on which the level of risk has been determined have been modified from ‘Contaminated land risk assessment: A guide to good practice, 2001, CIRIA C552’ and are presented in Appendix H.

Table 6.6 Preliminary Conceptual Site Model and Risk Assessment Methodology

Source (Table 6.2 & Table 6.3)	Potential Contaminant (Table 6.4)	Exposure Pathway (Table 6.1)	Receptor (Table 6.5)	Initial Assessment from Preliminary Investigation Report Information			Comments	Proposed Investigation
				Severity	Probability	Risk		
On SiteHistoric and Current Site Usage Roofing and insulation materials	Asbestos	Inhalation of dust	Site Workers/Site Maintenance	Medium	Likely	Moderate	The site issituated on the Lambeth Group with overlying superficial deposits ofHead -Clay and gravel, the site.The Children's home was built pre 2000therefore has the potentialto have asbestos.	Consult aLicenced Asbestos specialist before refurbishment.
			End Users	Medium	Likely	Moderate		
Offsite Historic and Current Site Usage Old Chalk pits (Backfilled)/ Residential Garages/ Registered Landfill site/ Waste Disposal Services/ Potentially Infilled Land (Non-Water)	Metals, Semi-metals and non-metals, PAHs, TPHs, PCBs	Inhalation of dust	Site Workers/Site Maintenance	Medium	Unlikely	Low	There are multiple former chalk pitsand non-water infilled land notedin the surrounding area of the site, the nearest one was active until 1897so there is potential for CO_2 to be present as an end product, as well as PAH contaminants migrating down the hydraulic gradient in line with the overall topography.	Phase II ground investigation to confirm the ground conditions present and chemical testing prior to undertaking a generic quantitative risk assessment. Well installation to monitor the groundwater/gas for further risk assessment Construction workersto wear appropriate PPE
			End Users	Mild	Unlikely	Very Low		
	PAHs, TPHs, PCBs	Inhalation of Vapour/gases	Site Workers/Site Maintenance	Mild	Unlikely	Very Low		
			End Users					
	Metals, Semi-metals and non-metals, PAHs, TPHs, PCBs	Ingestion and absorption via direct contact	Site Workers/Site Maintenance	Medium	Unlikely	Low		
			End Users	Mild	Unlikely	Very Low		
		Direct contact with construction material	Buried Structures	Mild	Low	Low		
			Site Workers					
	PAHs, TPHs, ground gas	Migration of gases via permeable soils	Site Workers/Site Maintenance	Medium	Low	Moderate/low		
			End Users					
			Off-site Users	Medium	Low	Moderate/low risk		
			Building and Confined Spaces					

Section 7 Recommendations

7.1 General

Based on the information obtained during the compilation of this Preliminary Investigation and the preliminary conceptual site model, a potential for **a very low to moderate** risk of contamination has been identified.

7.2 Unexploded Ordnance (UXO)

Based on the assessment of the historical and Zetica UXO maps (Appendix H), there is a moderate risk of UXO within the vicinity of the site with a bombing density of 15-49 bombs per 1000-acre noted. Thus, a specialist UXO risk assessment is recommended to determine the risk to the proposed development.

Summary from 1st Line Defence Preliminary UXO Risk Assessment Ref: PA20236-00 dated 25th June 2024 (Appendix H):

'During WWII the site was situated within the Urban District of Havant & Waterloo, which sustained an overall low moderate density of bombing, with an average of 35.4 items recorded per 1,000 acres according to official Home Office bombing statistics.

WWII-era aerial photography from 1946, available in house on this occasion, shows the site to be in good condition, with no obvious signs of damage, such as cratering, ground disturbances or ruins, visible on site or in its direct surroundings.

Given the low-moderate density of bombing across the district, with no positive evidence found to suggest any bombing/damage occurred within the site, the risk of encountering UXO is not considered significantly elevated above the 'background' level of risk for the region.'

Tthe risk from UXO on site is not considered to be significantly elevated above the 'background level' for the region.

7.3 Proposed Further Site Works

The general requirements for further environmental investigation are presented in Table 7.1.

Table 7.1 Proposed Further Environmental Investigation

Proposed Works	General Purpose	Required
Investigatory Holes	To collect sufficient samples for a robust assessment	Π
Laboratory Testing	To quantify the risks identified in the Conceptual Site Model	Π
Risk Assessment	Assess pollutant linkages based on current contaminated land guidance and screening criteria's	Π
Borehole well installation	To allow for continued groundwater and/or gas monitoring	Π
Remediation	If the site-specific risk assessment reveals that the site was contaminated	TBC
Validation & Verification	To validate and verify the remedial objectives based on the site-specific risk assessment	TBC

Proposed Works	General Purpose	Required

Note(s): TBC – To be confirmed

7.4 Discovery Strategy

There may be areas of contamination not identified during the course of the investigation. Such occurrences may also be discovered during the demolition and construction phases for the redevelopment of the site.

List of Figures

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Appendix A Proposed Development Plans
Appendix B Country Series and Ordnance Survey Maps
Appendix C Landmark Envirocheck Report
Appendix D Site Sensitivity Maps
Appendix E Local Authority Search Data
Appendix F Site Photographs
Appendix G UXO Risk Assessment
Appendix H Risk Assessment Criteria



Figure 1 – Site Location Map

Job Number 21511	**Project** Littlefold Family Resource Centre, Linnet Close, Waterlooville, Hampshire, PO8 9UY
Client PDP Architecture Limited	**Date** July 2024

Appendix A Proposed Development Plans

Proposed Site Plan
Refurbishment

Schedule of Accommodation

2 x 1B1P apartments
2 x 1B2P apartments
6 x 2B4P apartments

TOTAL: 10 no apartments

12 unallocated parking spaces
2 visitor spaces
TOTAL: 14 no. car parking spaces

16 no. secure cycle spaces
4 no. short stay cycle spaces
TOTAL: 20 no. cycle spaces



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revision	notes	date	drawn	checked
A	Floor plan & schedule updated, cycle & refuse store relocated	28.05.24	MP	HM

client

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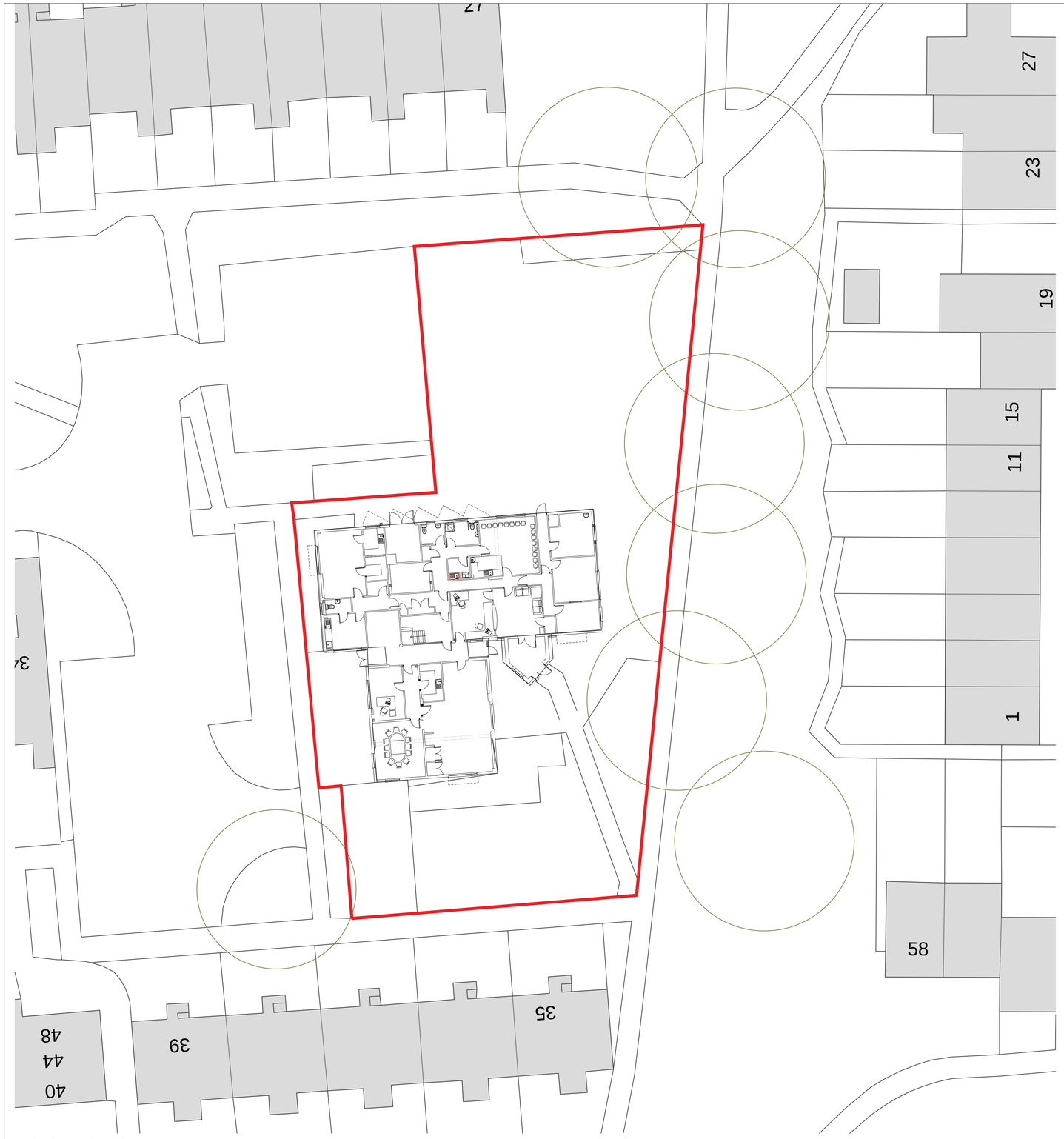
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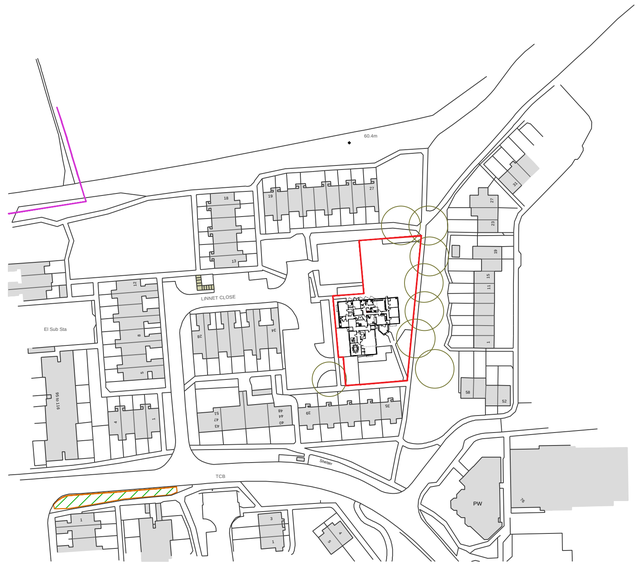
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detail	Proposed Site Plan Refurbishment
drawn	IR
checked	HM
date	Jan '23
status	Feasibility
a1 scale / a3 scale	1:250 1:500
	18177-SK101
rev	A



Existing Site Plan
1:200 @ A1

1:200
2m 0 2m 4m 6m 8m 10m



Existing Location Plan
1:1250 @ A1

1:1250
12.5m 0 12.5m 25m 37.5m 50m 62.5m

N

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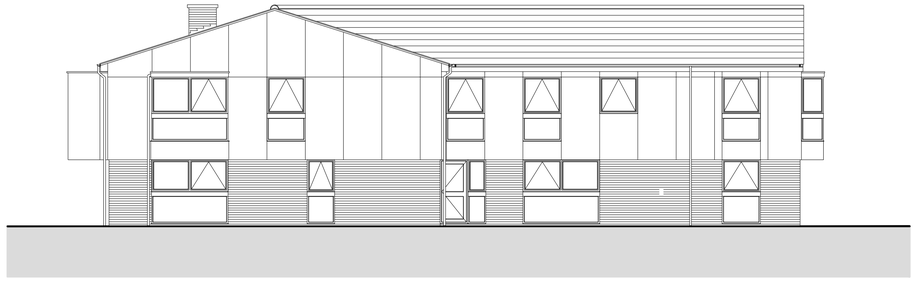
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drawn	MP
checked	HM
date	Jun '24
status	Planning
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a3 scale	1:400
rev	18177-PD001



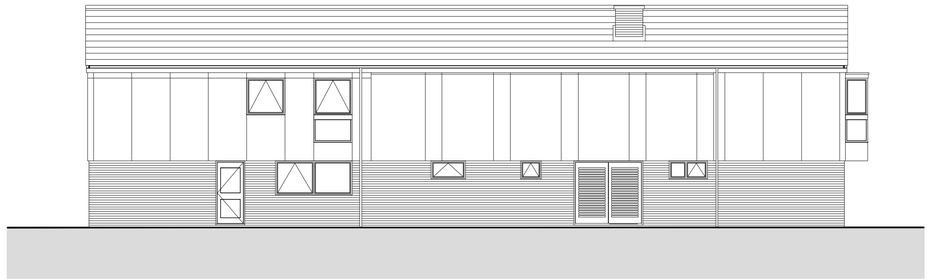
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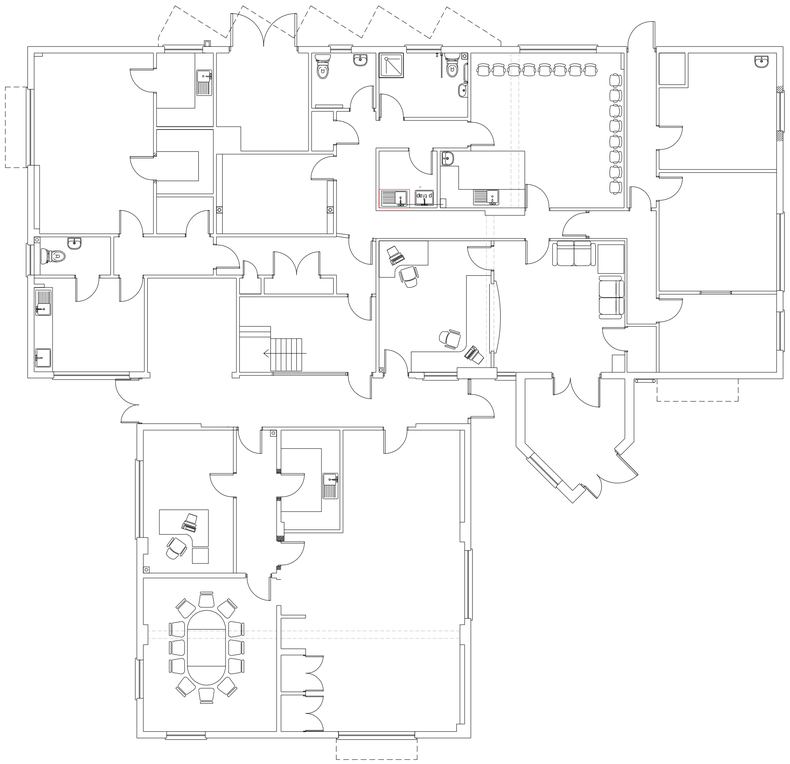
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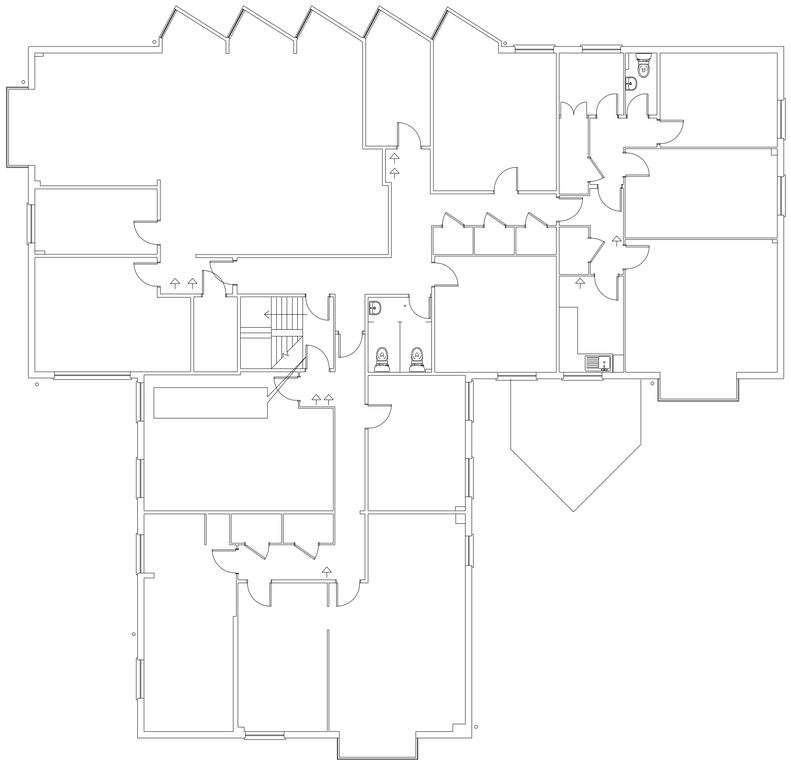
Proposed West Elevation



Proposed North Elevation



Ground Floor Plan



First Floor Plan

1:100

1m 0 1m 2m 3m 4m 5m

N

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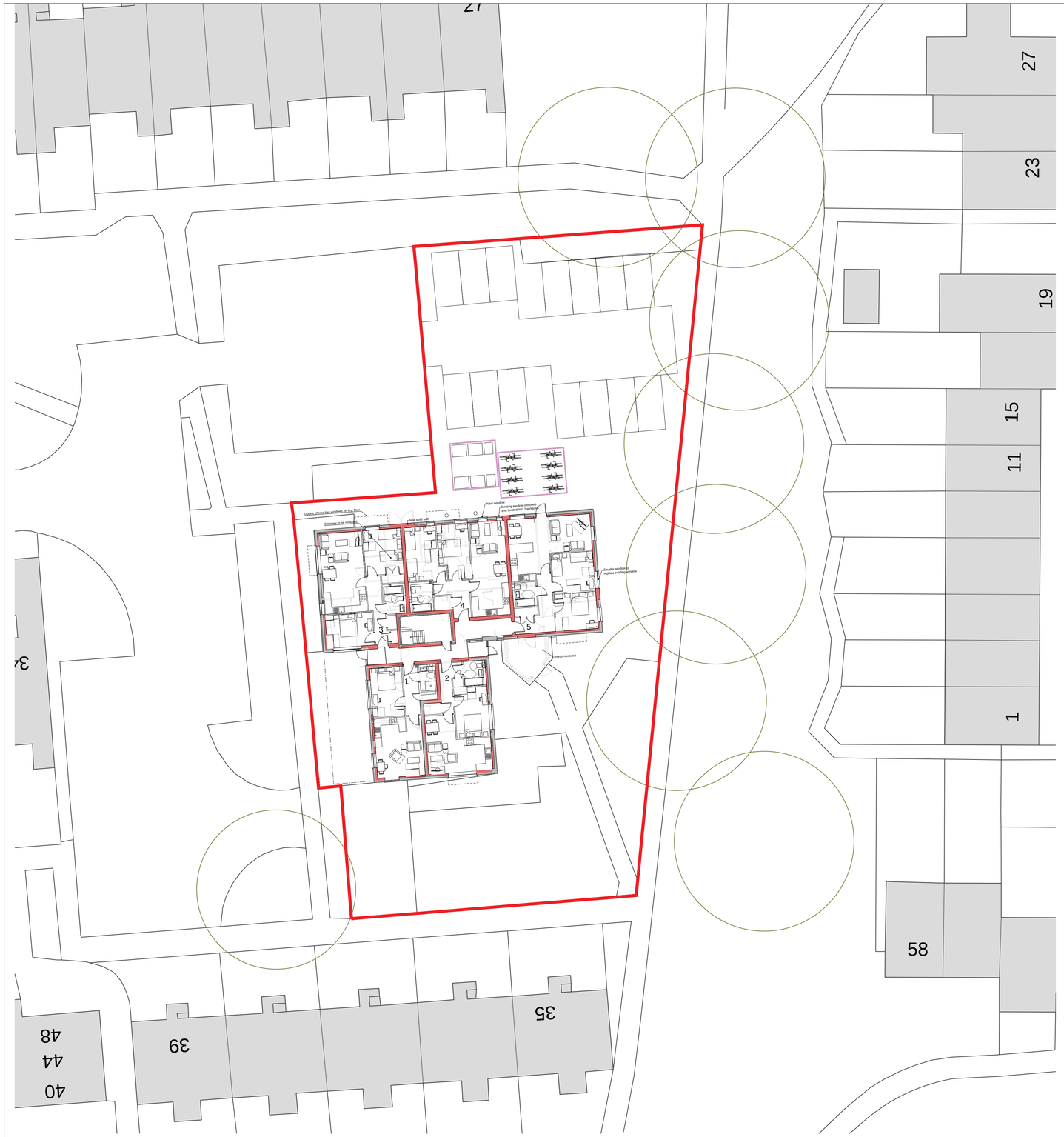
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detail	Existing Plans & Elevations
drawn	MP
checked	HM
date	Jun '24
status	Planning
a1 scale	1:100
a3 scale	1:200
rev	

18177-PD002



Proposed Site Plan
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1:200
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Schedule of Accommodation

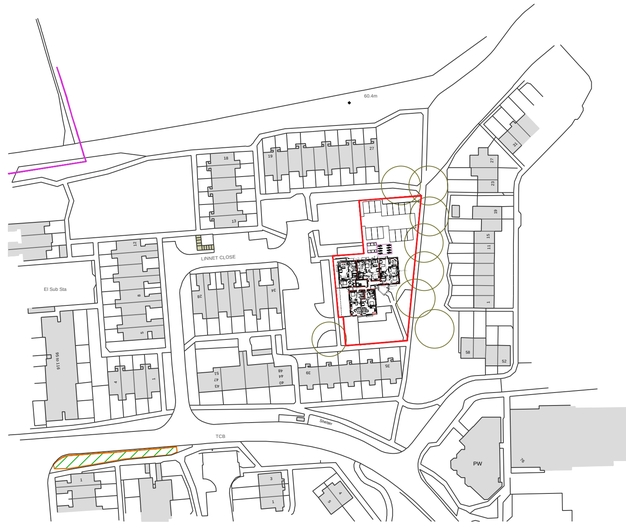
Refurbishment
4 x 1B1P apartments
6 x 2B4P apartments

Total: 10 no. residential units

12no. unallocated parking spaces
2no. visitor spaces

Total: 14 no. car parking spaces

16 no. secure cycle spaces
4 no. short stay cycle spaces
TOTAL: 20 no. cycle spaces



Proposed Location Plan
1:1250 @ A1

1:1250
12.5m 0 12.5m 25m 37.5m 50m 62.5m

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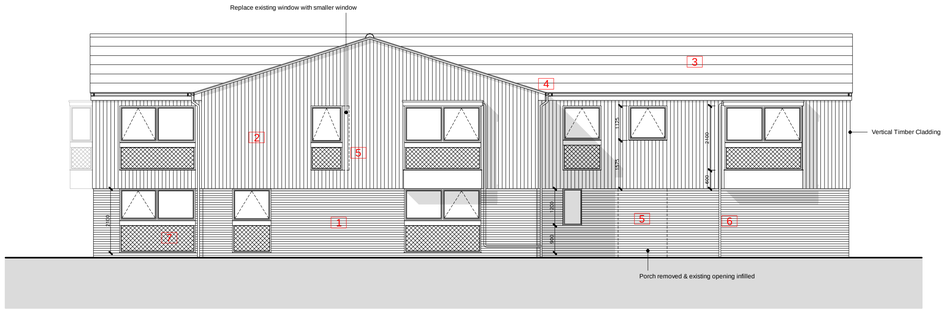
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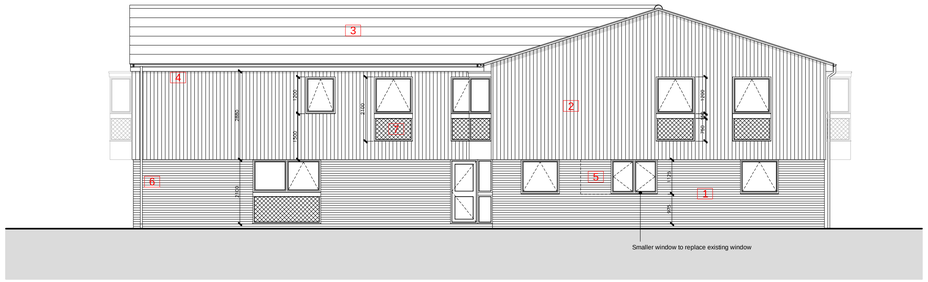
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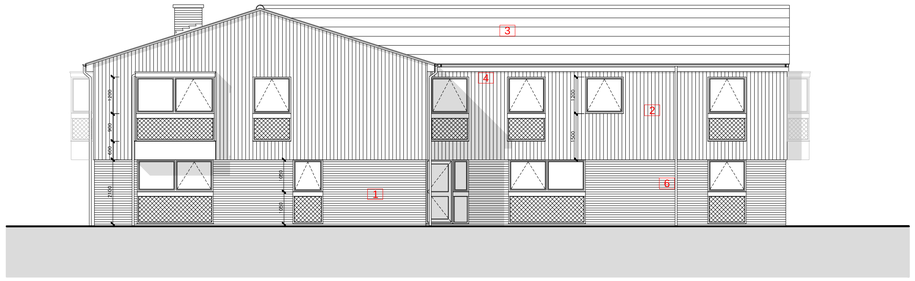
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rev	18177-PD011



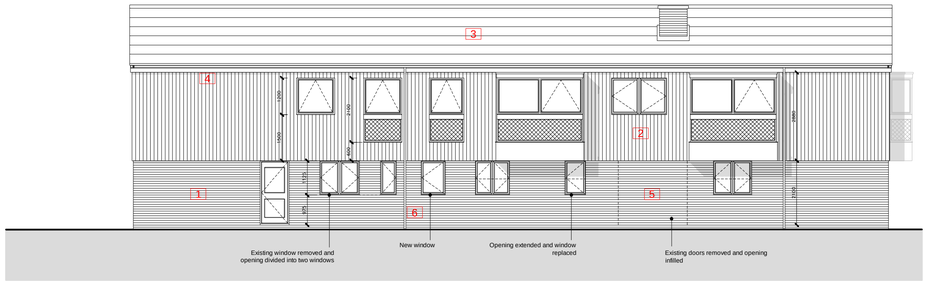
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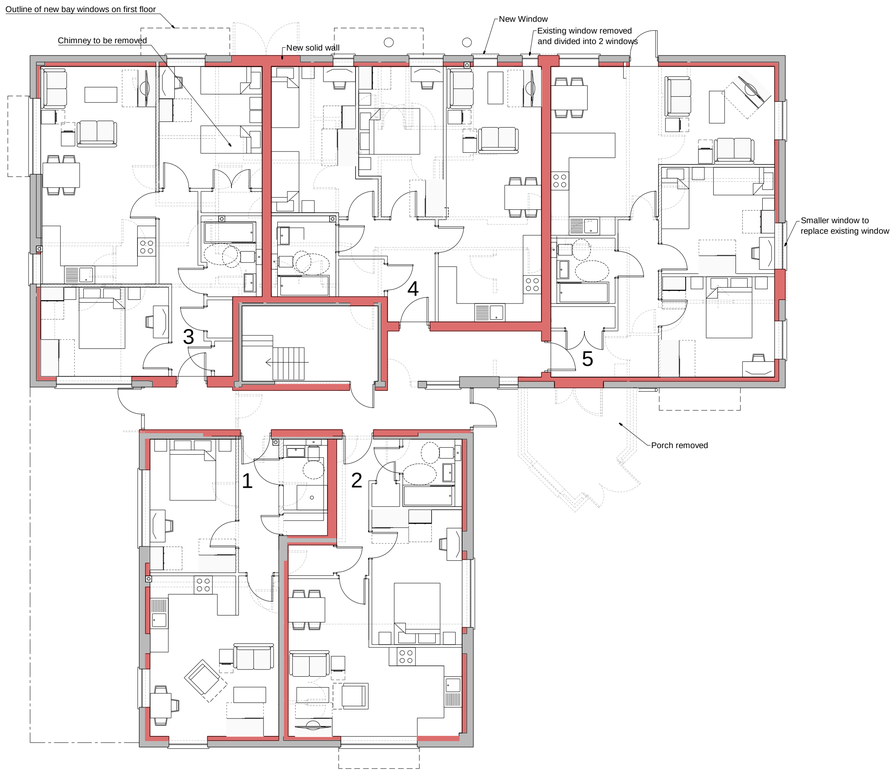
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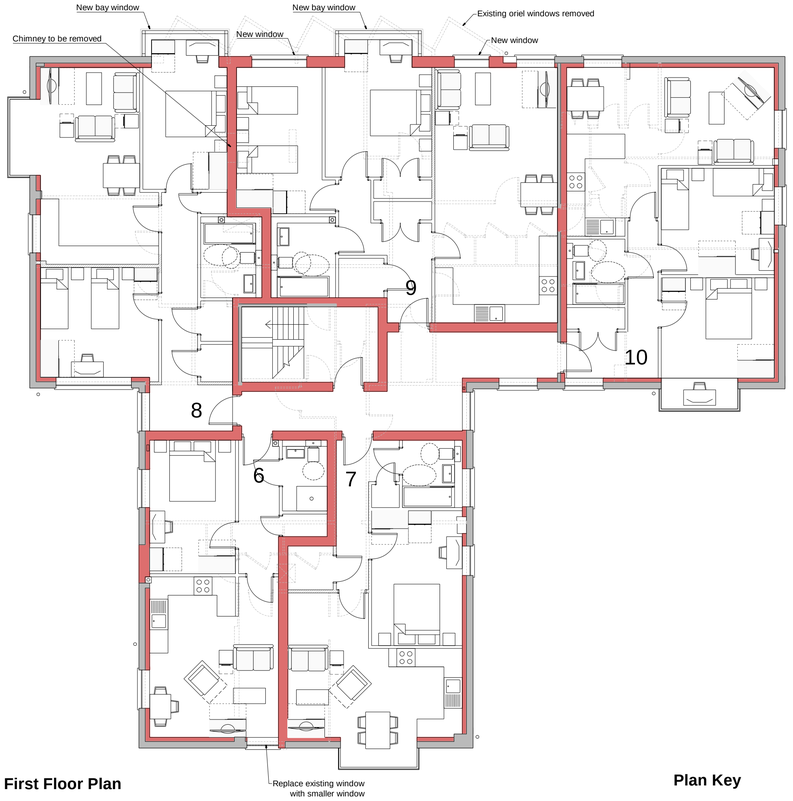
Proposed West Elevation



Proposed North Elevation



Ground Floor Plan



First Floor Plan

1:100

1m 0 1m 2m 3m 4m 5m

N

Accommodation Schedule

10no. Residential Units

No.	Capacity	Area
1	1B1P	48.8 m^2
2	1B1P	49.7 m^2
3	2B4P	70.7 m^2
4	2B4P	70.5 m^2
5	2B4P	74.1 m^2
6	1B1P	48.8 m^2
7	1B1P	49.7 m^2
8	2B4P	74.3 m^2
9	2B4P	82.1 m^2
10	2B4P	71.3 m^2
	Total Area	640m^2
	4 x 1B1P 6 x 2B4P	

Elevation Key

1 Facing Brickwork, existing openings infilled with brickwork to match existing in tone and mortar colour

2 Millboard Composite Cladding: Envello; colour TBC

3 Existing Concrete interlocking roof tiles

4 Fascias/Soffits/Barge Boards; colour TBC

5 Existing openings infilled

6 Rainwater goods, UPVC; colour TBC

7 UPVC panel below window, proposed bay windows to match existing, colour TBC

Plan Key

Retained External Wall

Proposed External Wall

Retained Internal Wall

Proposed Internal Wall

Removed

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revision	notes	date	drawn	checked

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project: Former Link's Children's Centre, Linnet Close Waterlooville

detail: Proposed Plans & Elevations

drawn	checked
MP	HM
date	**status**
Jun '24	Planning
a1 scale 1:100 / a3 scale 1:200	18177-PD012 rev

Appendix B Country Series and 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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)
R.D. Bdy.
Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

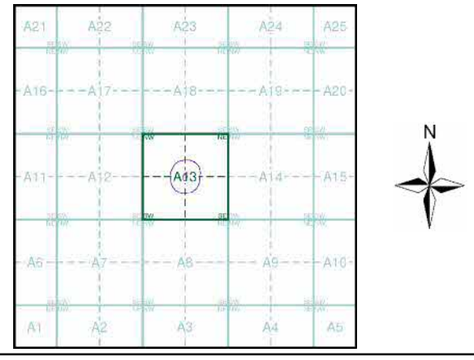
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Hampshire & Isle Of Wight	1:10,560	1897	4
Hampshire & Isle Of Wight	1:10,560	1910	5
Hampshire & Isle Of Wight	1:10,560	1933	6
Hampshire & Isle Of Wight	1:10,560	1942	7
Historical Aerial Photography	1:10,560	1947	8
Ordnance Survey Plan	1:10,000	1962	9
Ordnance Survey Plan	1:10,000	1980	10
Havant	1:25,000	1983	11
Ordnance Survey Plan	1:10,000	1992	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: 351078152_1_1
Customer Ref: 21511/JD
National Grid Reference: 468150, 111820
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 — Values for prominent elevations

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

0,2 — Velocity of the current, width of river bed, depth of river

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Water Level Mark
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

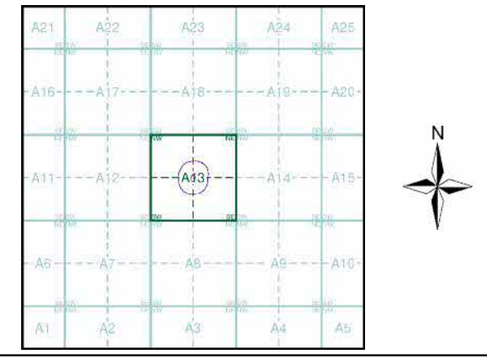
Key to Numbers on Mapping

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Hampshire & Isle Of Wight	1:10,560	1897	4
Hampshire & Isle Of Wight	1:10,560	1910	5
Hampshire & Isle Of Wight	1:10,560	1933	6
Hampshire & Isle Of Wight	1:10,560	1942	7
Historical Aerial Photography	1:10,560	1947	8
Ordnance Survey Plan	1:10,000	1962	9
Ordnance Survey Plan	1:10,000	1980	10
Havant	1:25,000	1983	11
Ordnance Survey Plan	1:10,000	1992	12
10K Raster Mapping	1:10,000	2000	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2024	15

Russian Map - Slice A



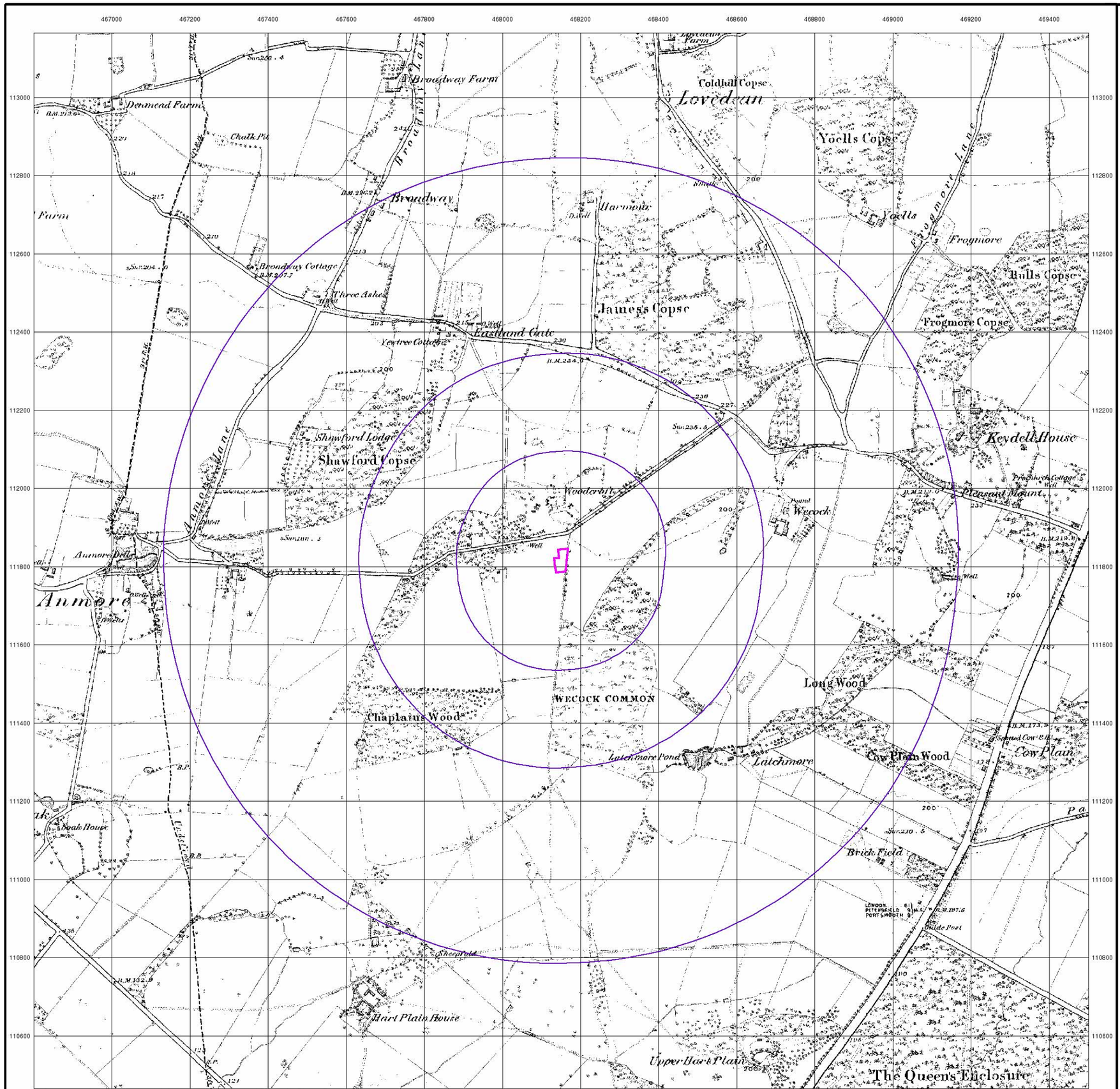
Order Details

Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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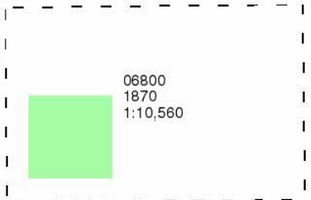
Hampshire & Isle Of Wight

Published 1870

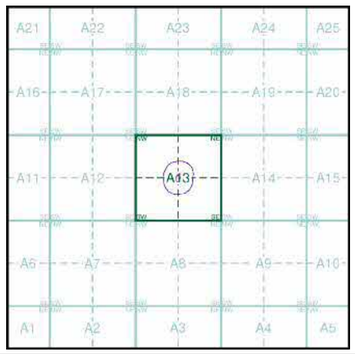
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



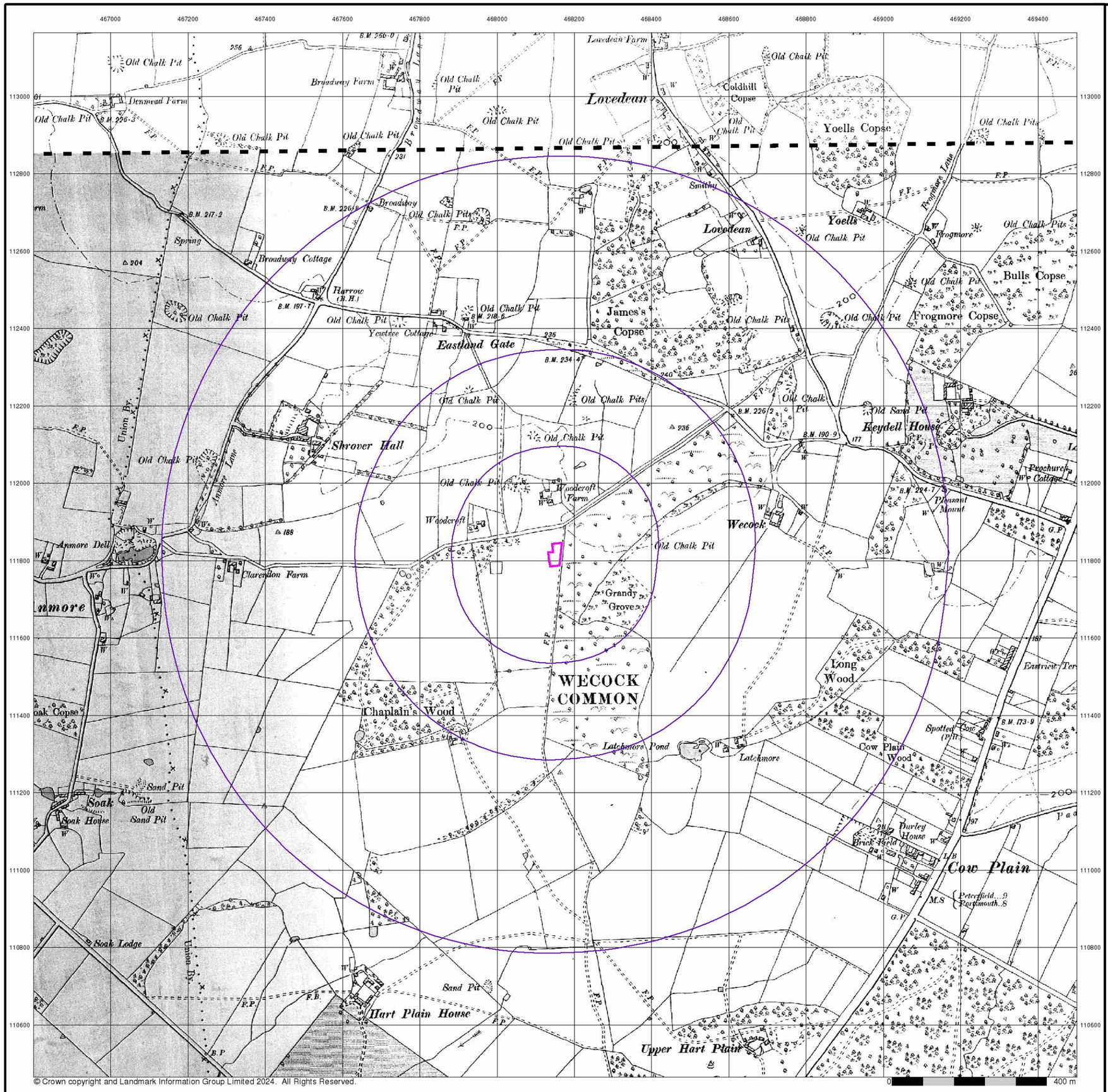
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Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
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Hampshire & Isle Of Wight

Published 1897

Source map scale - 1:10,560

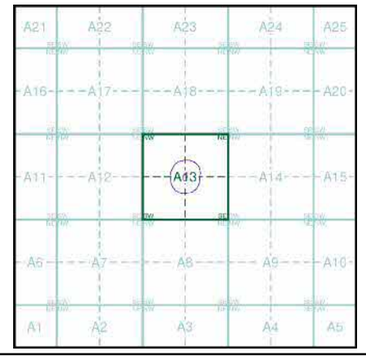
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Map Name(s) and Date(s)

068NW
1897
1:10,560

068SW
1897
1:10,560

Historical Map - Slice A



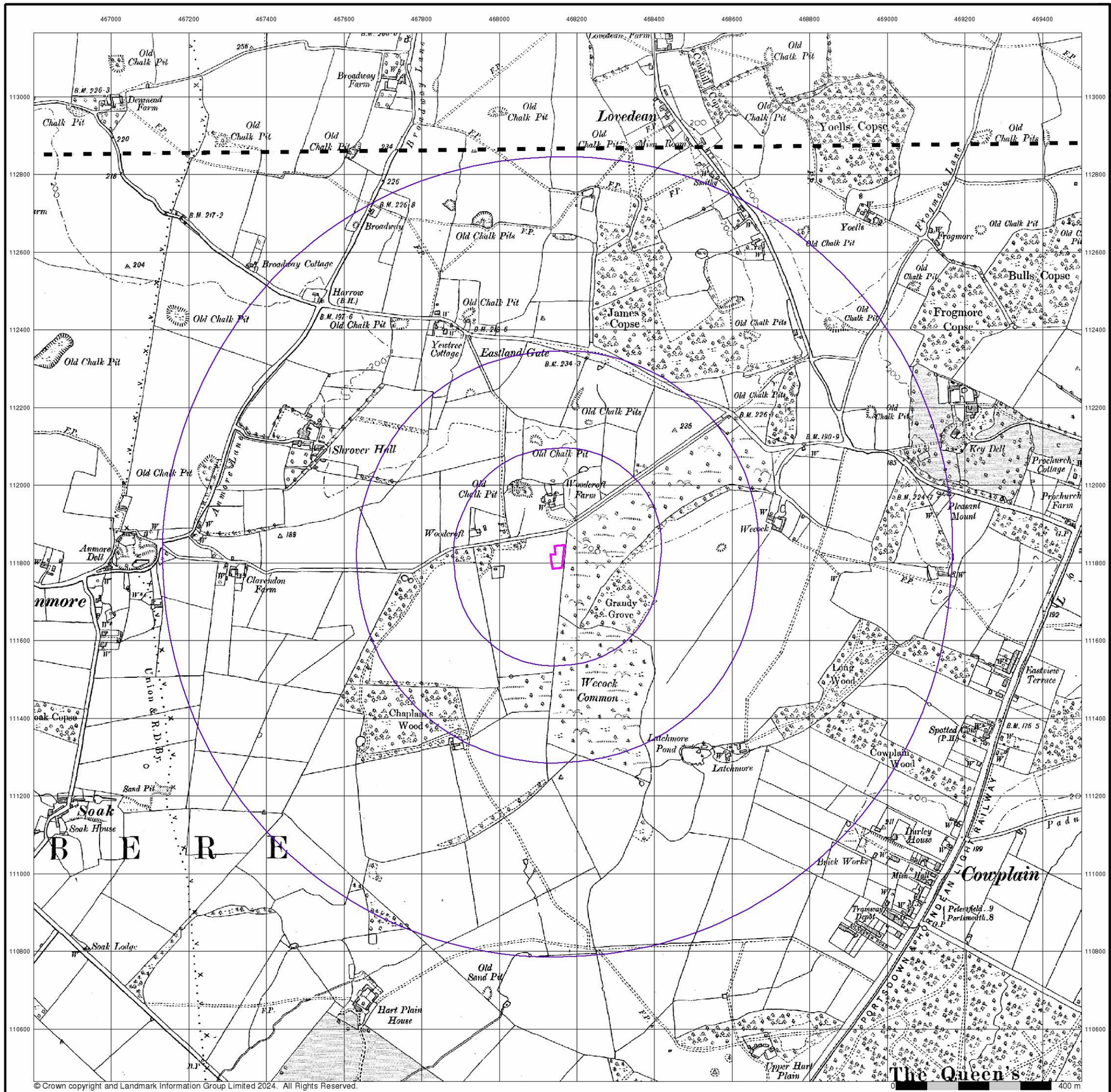
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National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

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Hampshire & Isle Of Wight

Published 1910

Source map scale - 1:10,560

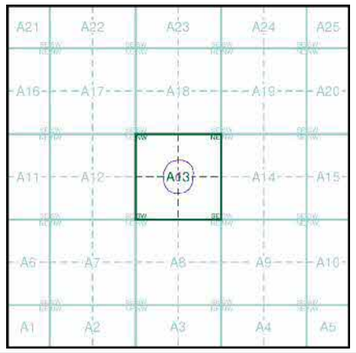
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Map Name(s) and Date(s)

068NW
1910
1:10,560

068SW
1910
1:10,560

Historical Map - Slice A



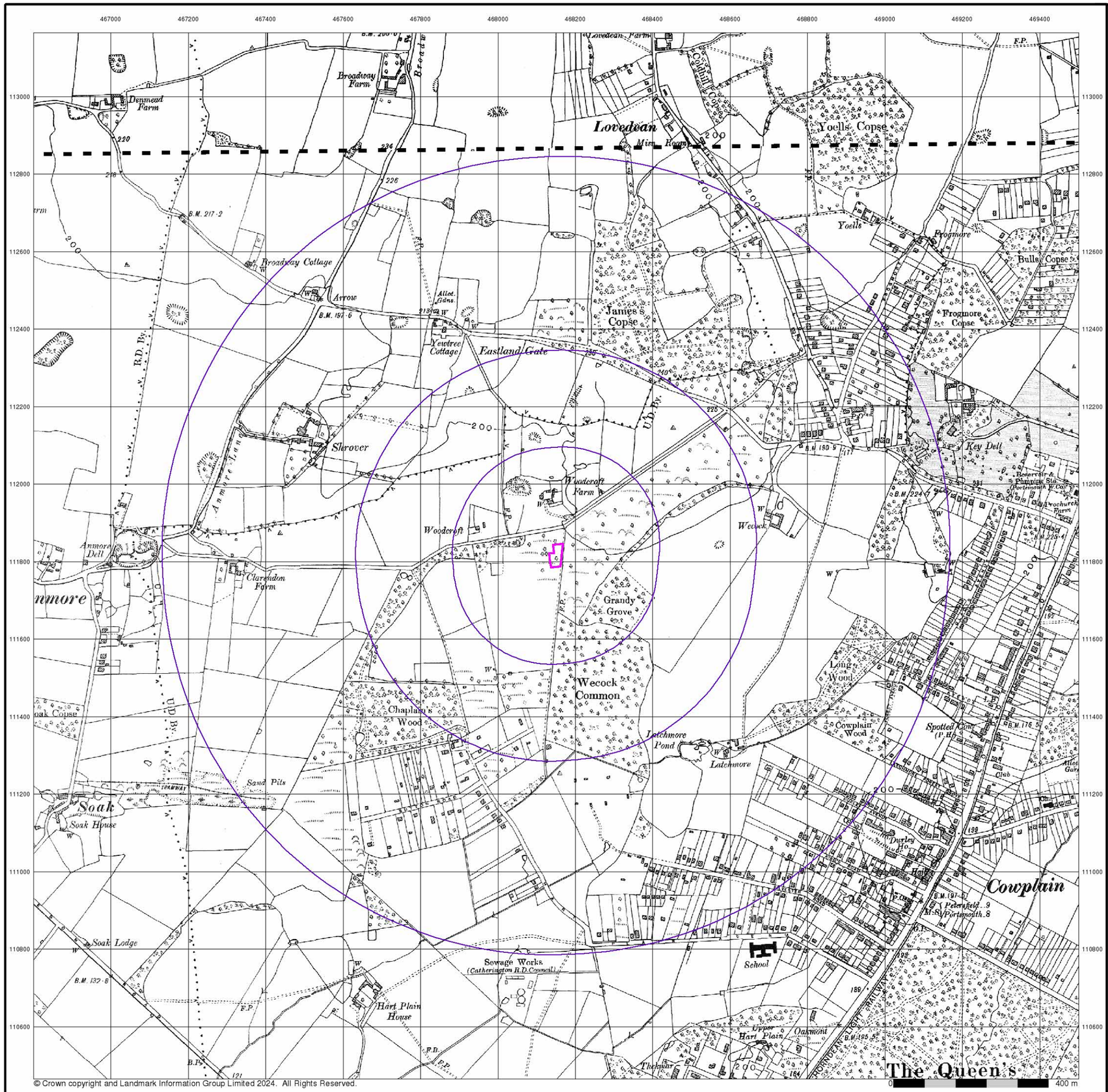
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Hampshire & Isle Of Wight

Published 1933

Source map scale - 1:10,560

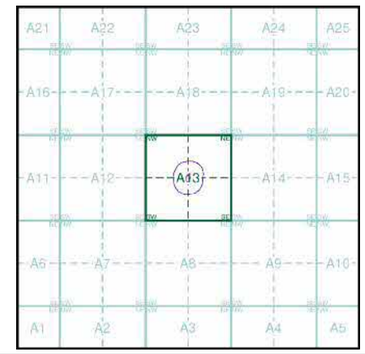
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Map Name(s) and Date(s)

068NW
1933
1:10,560

068SW
1933
1:10,560

Historical Map - Slice A



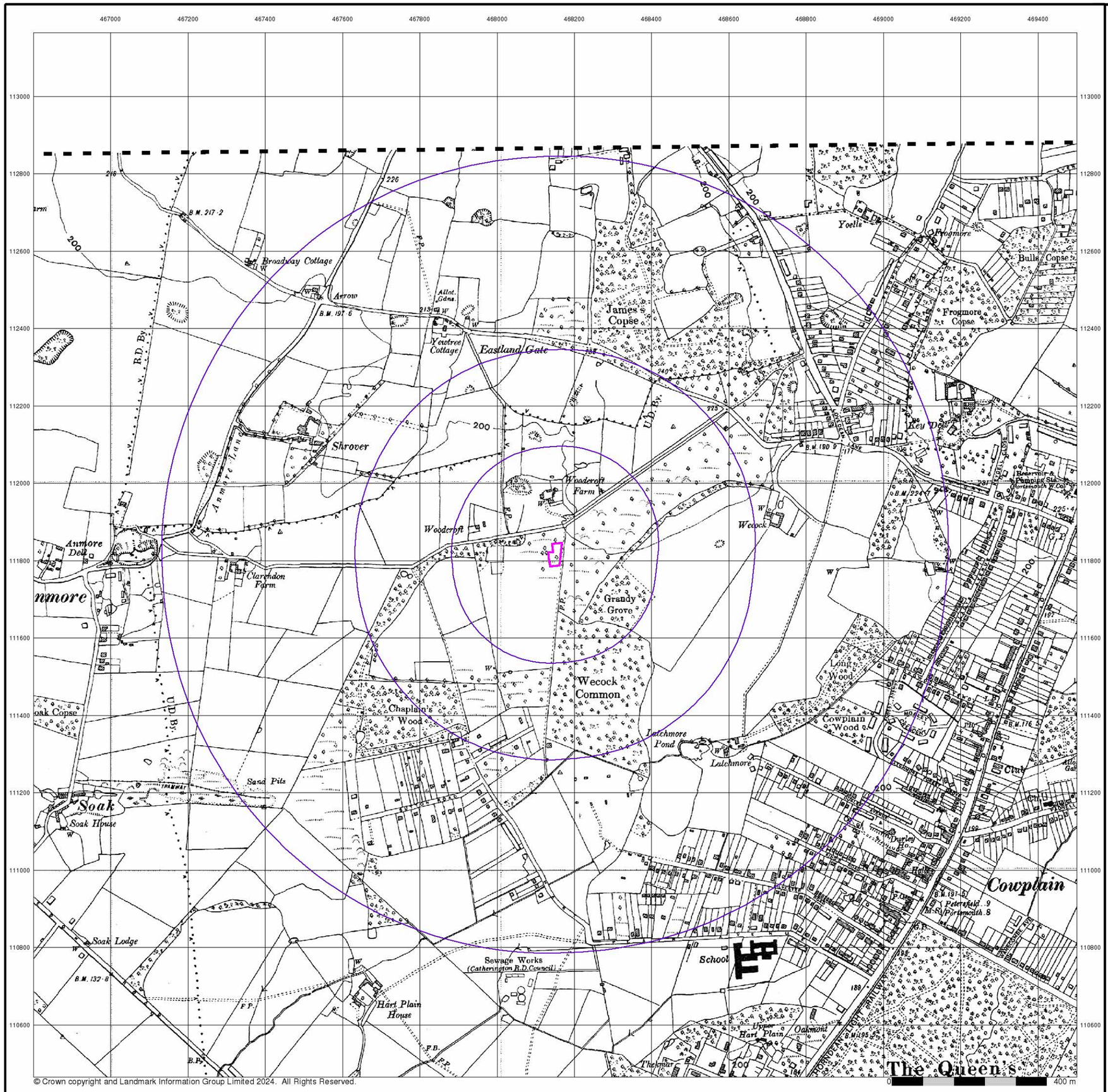
Order Details

Order Number:	351078152_1_1
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Site Area (Ha):	0.16
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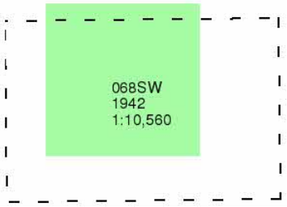
Hampshire & Isle Of Wight

Published 1942

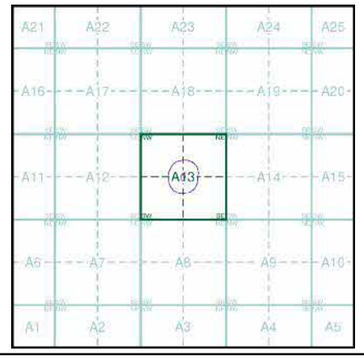
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



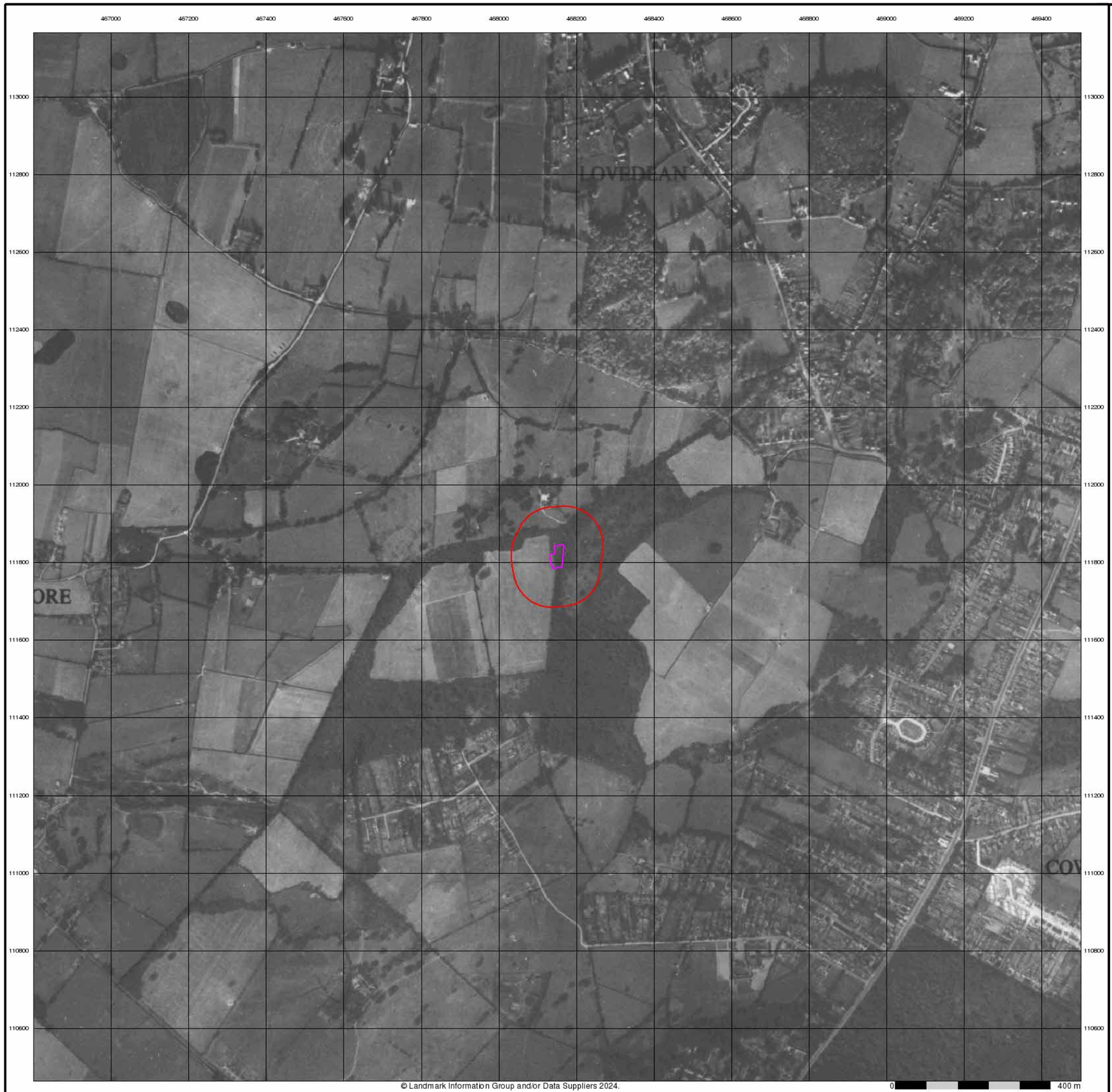
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Historical Aerial Photography

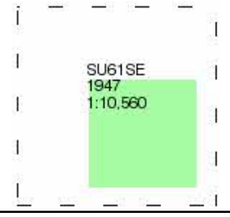
Published 1947

Source map scale - 1:10,560

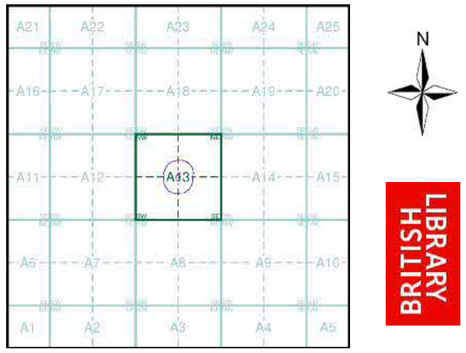
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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



Historical Aerial Photography - Slice A



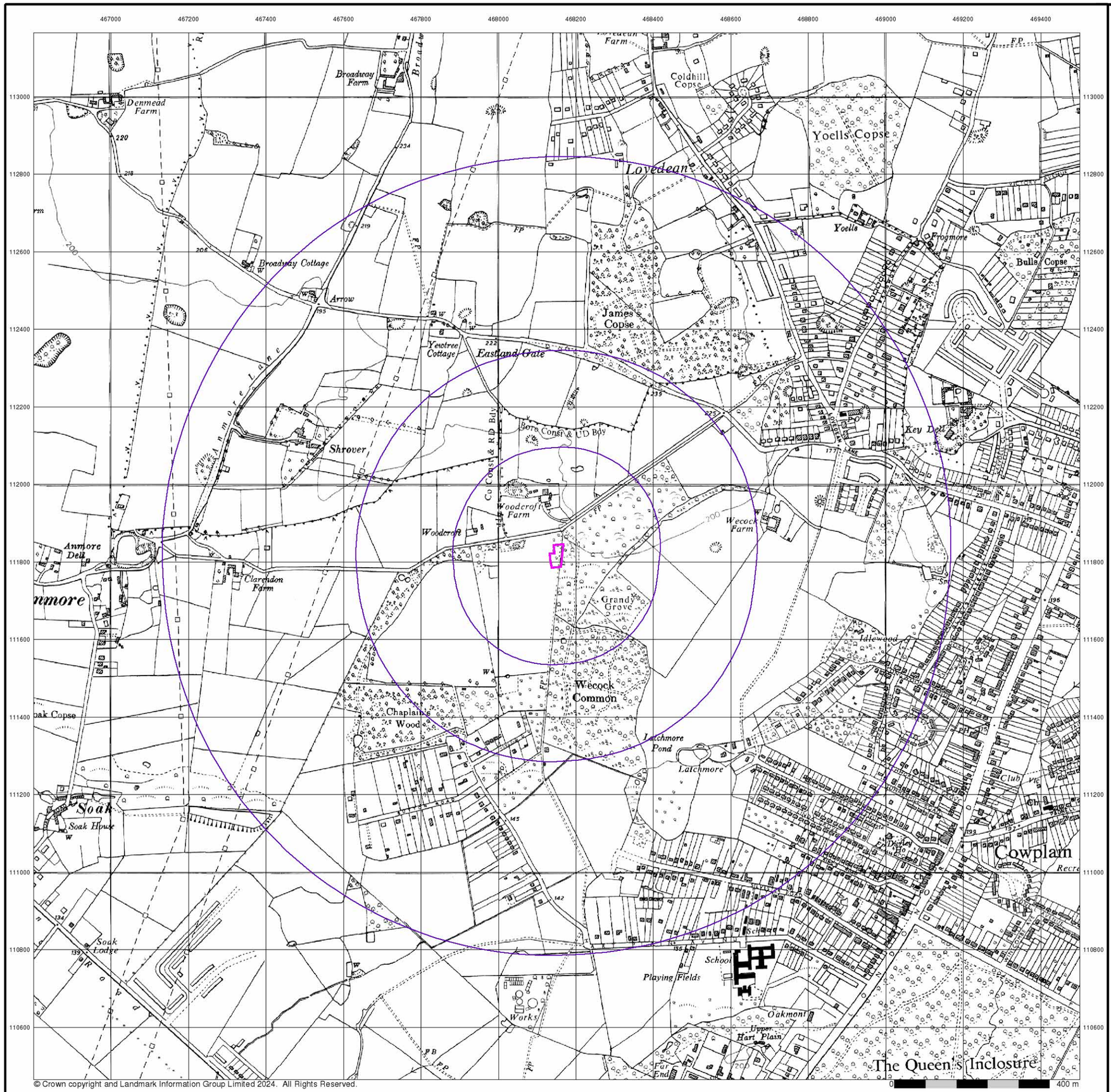
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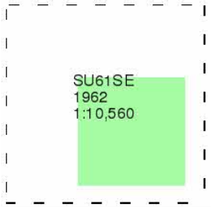
Ordnance Survey Plan

Published 1962

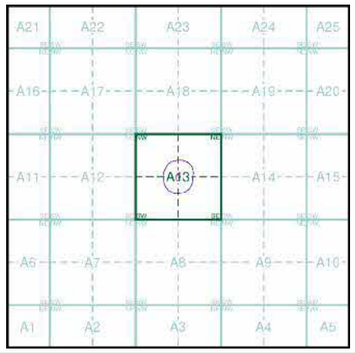
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



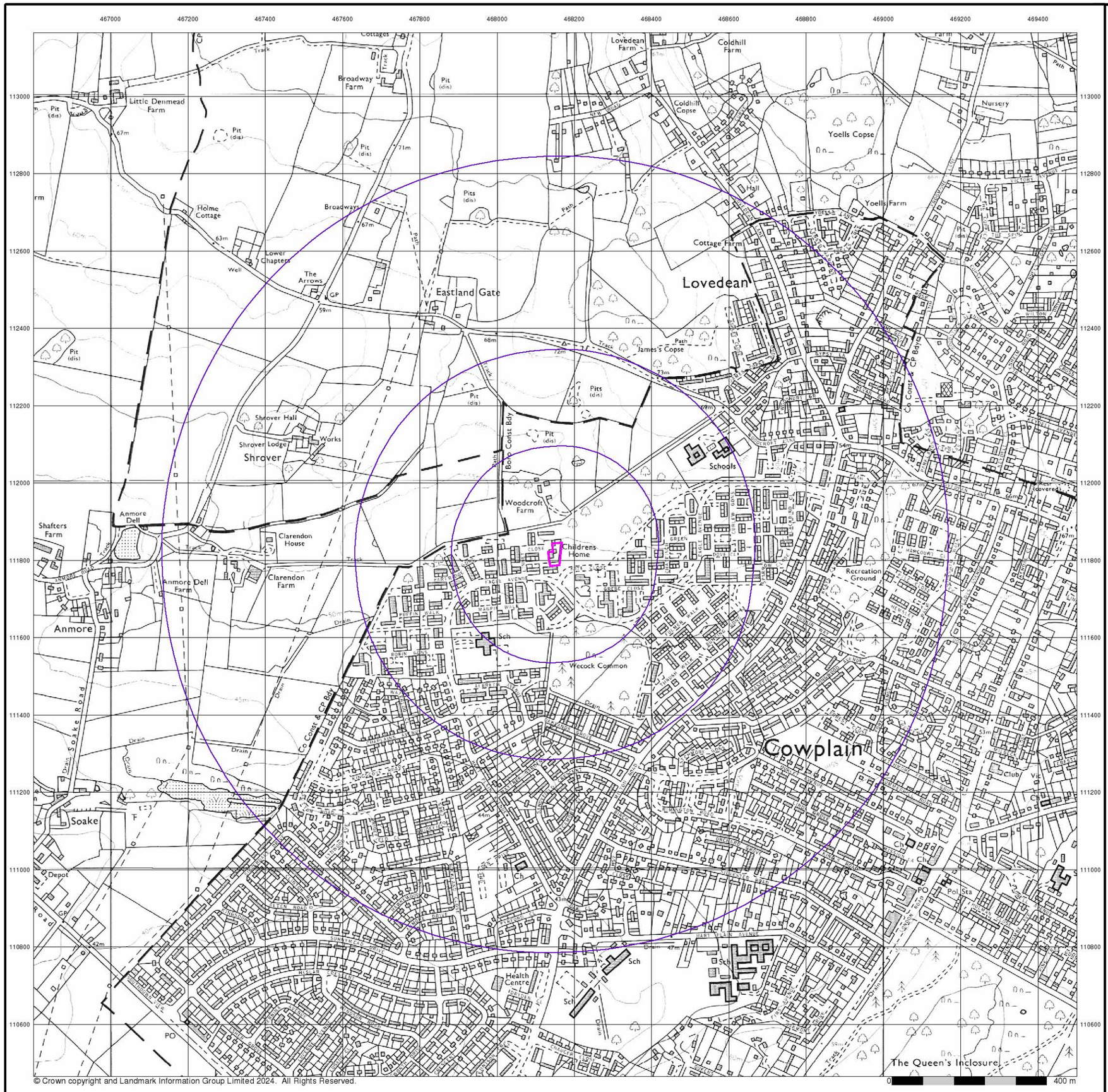
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Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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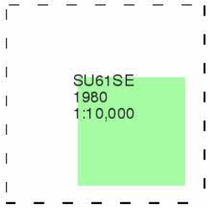
Ordnance Survey Plan

Published 1980

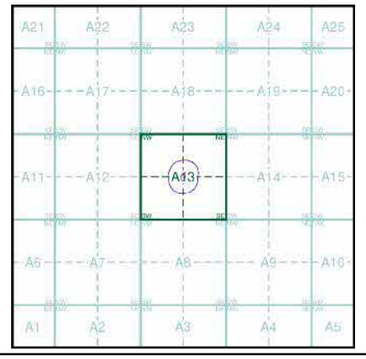
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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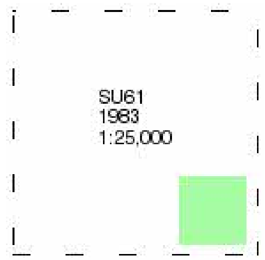
Havant

Published 1983

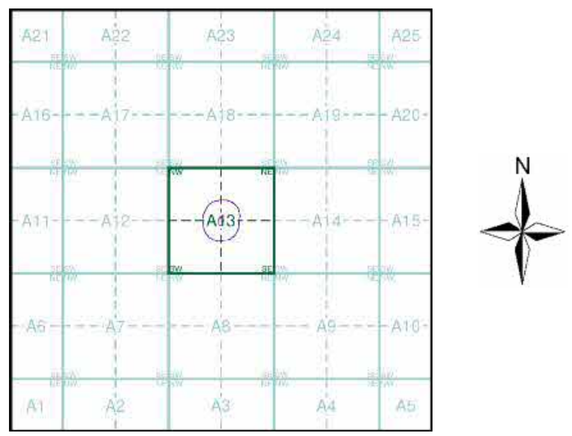
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

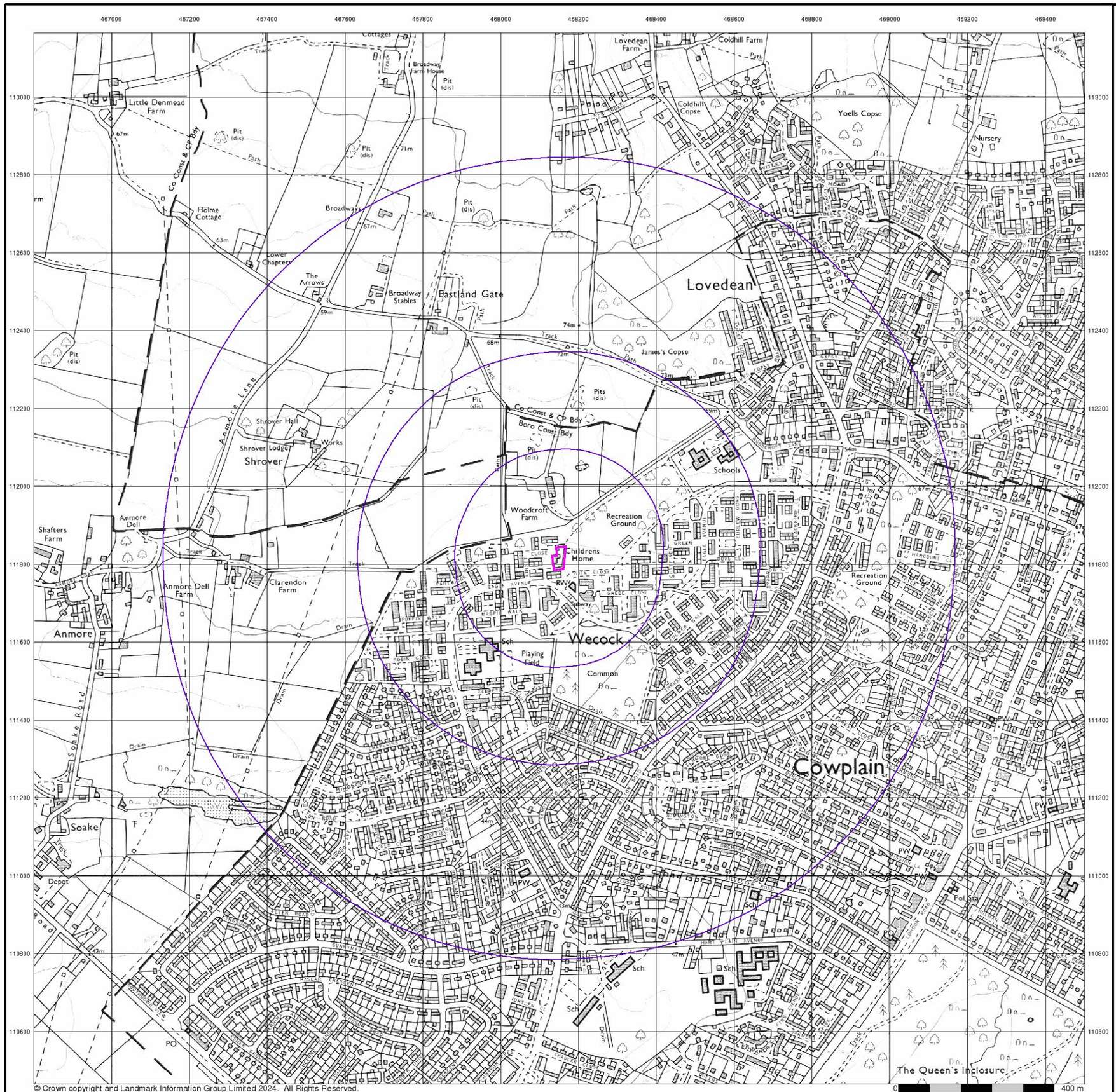
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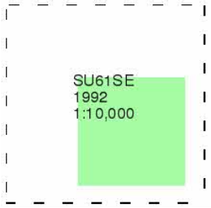
Ordnance Survey Plan

Published 1992

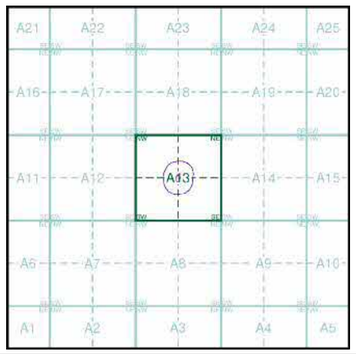
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



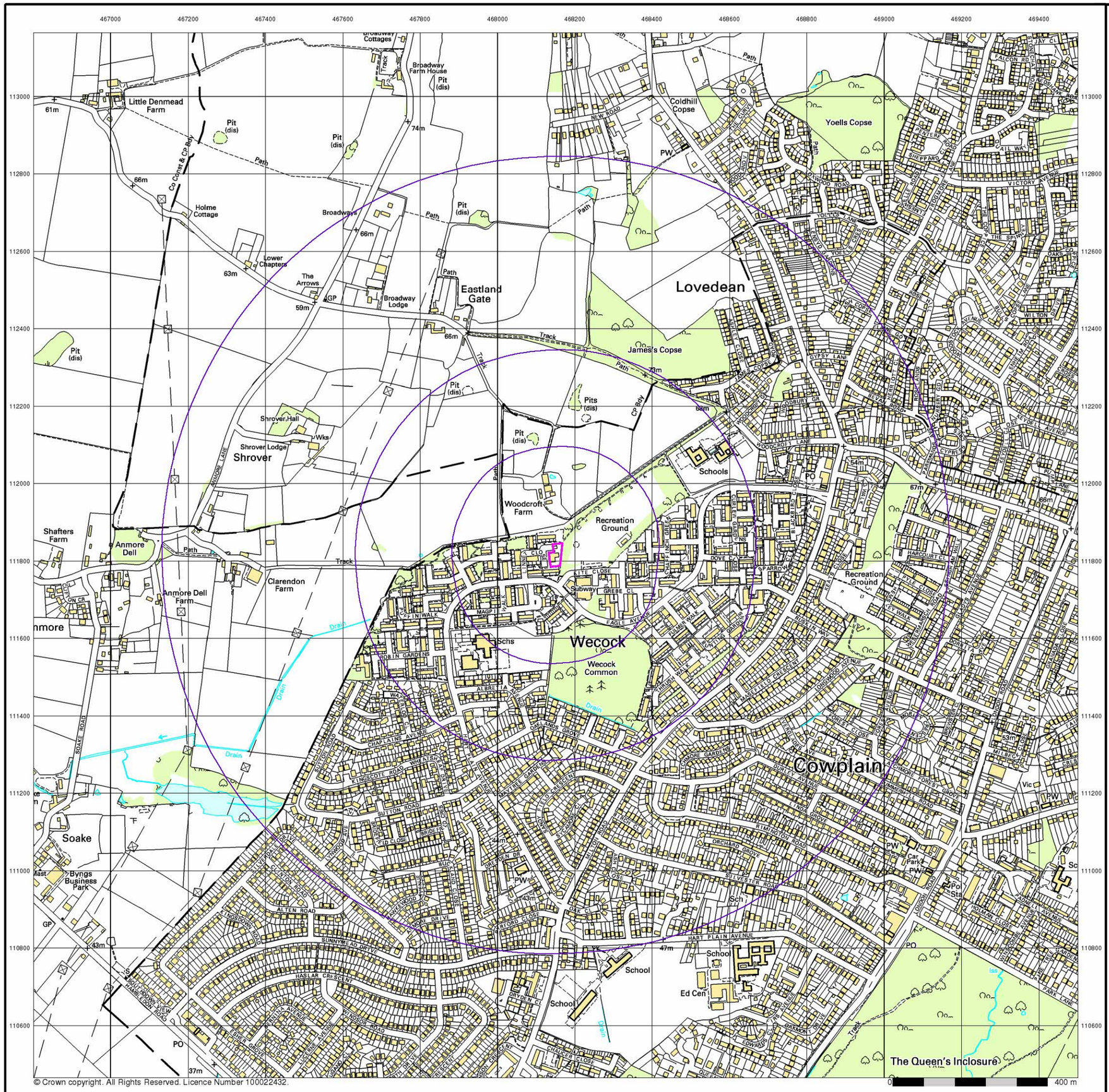
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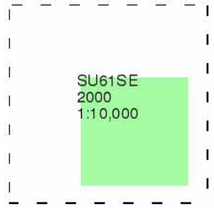
10k Raster Mapping

Published 2000

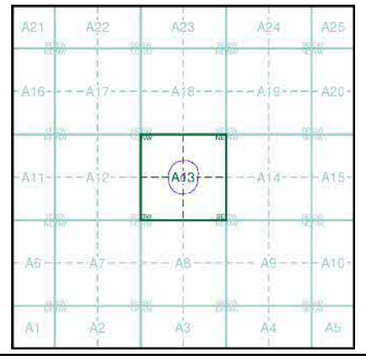
Source map scale - 1:10,000

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)



Historical Map - Slice A



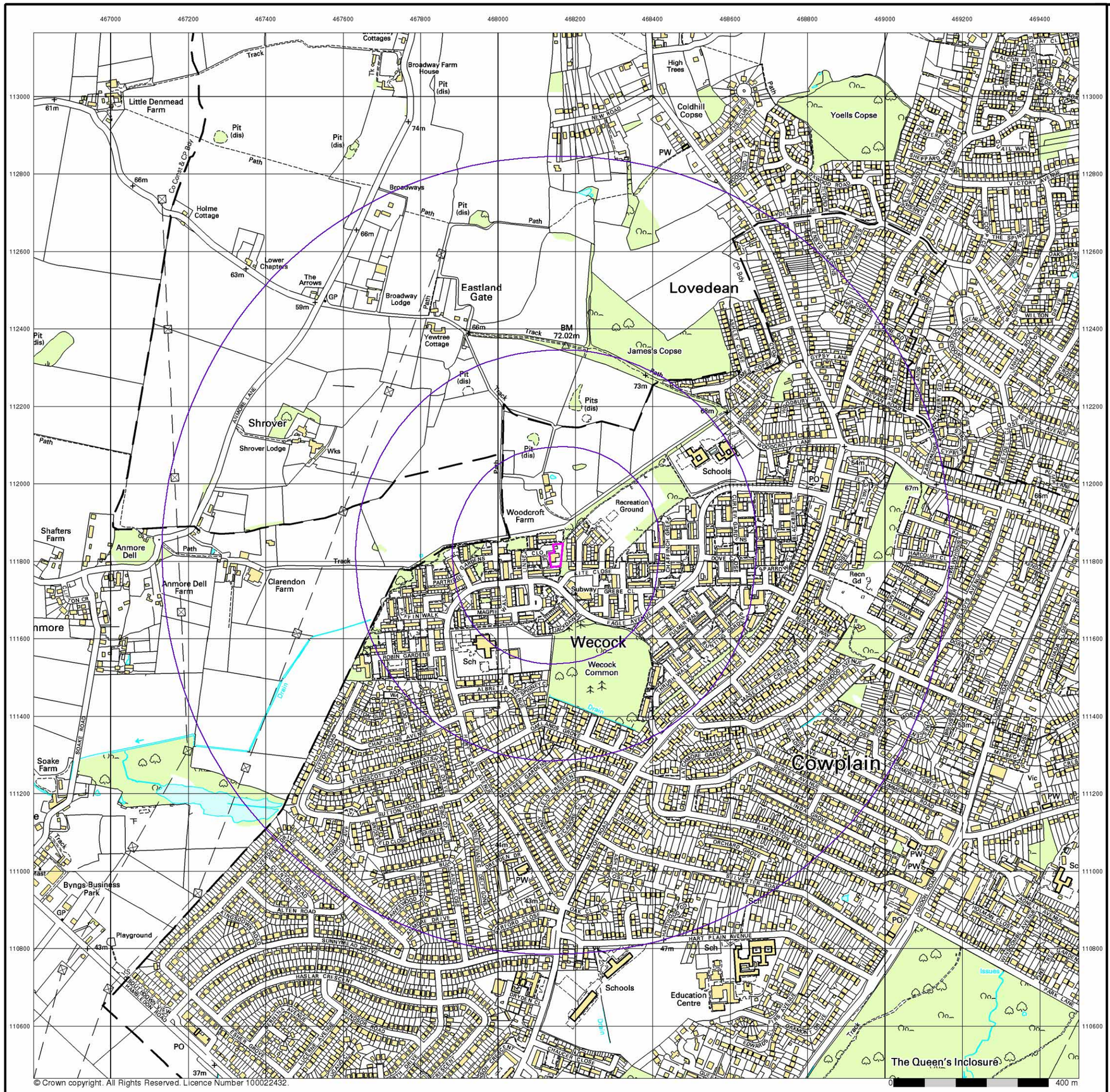
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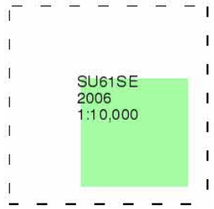
10k Raster Mapping

Published 2006

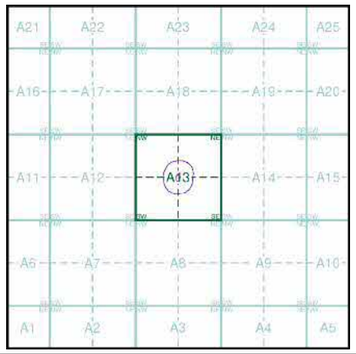
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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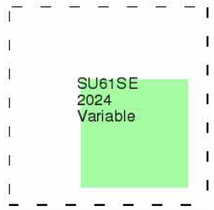
VectorMap Local

Published 2024

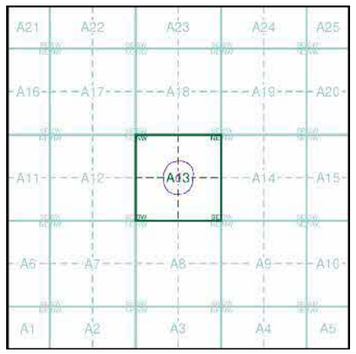
Source map scale - 1:10,000

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



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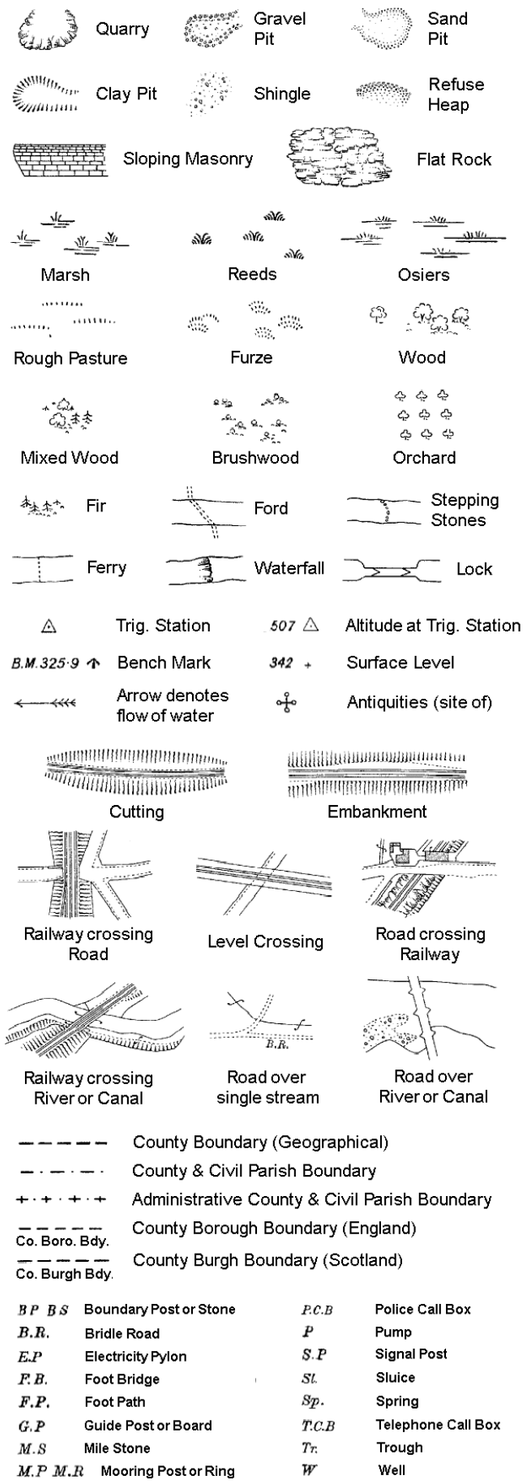
Site Details

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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

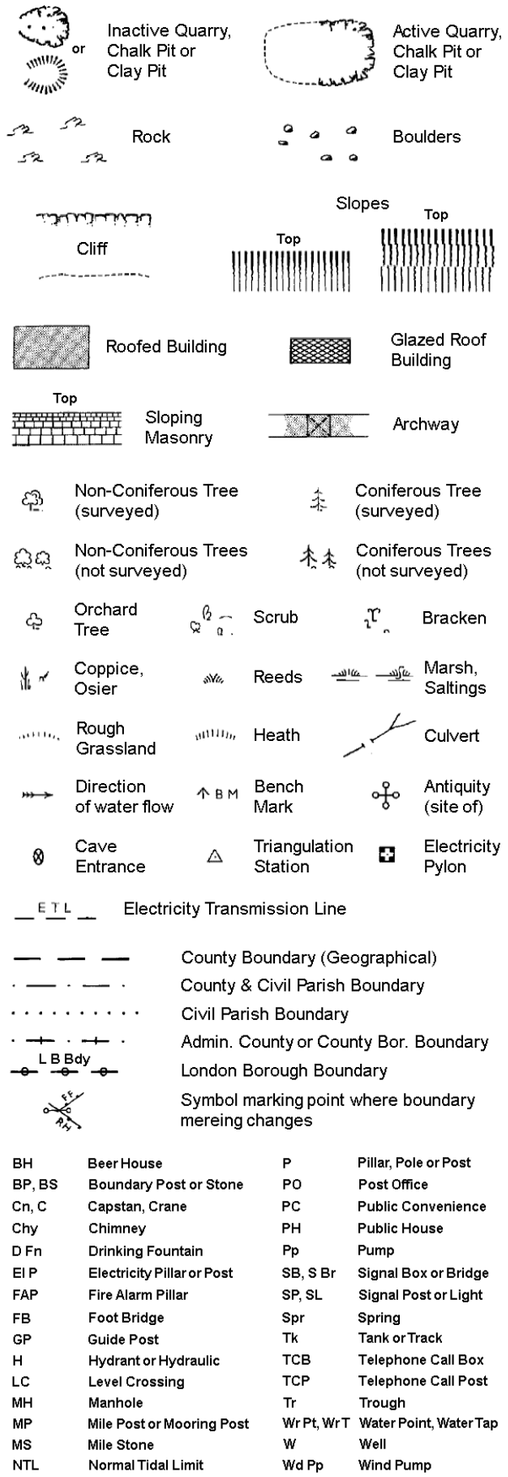
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

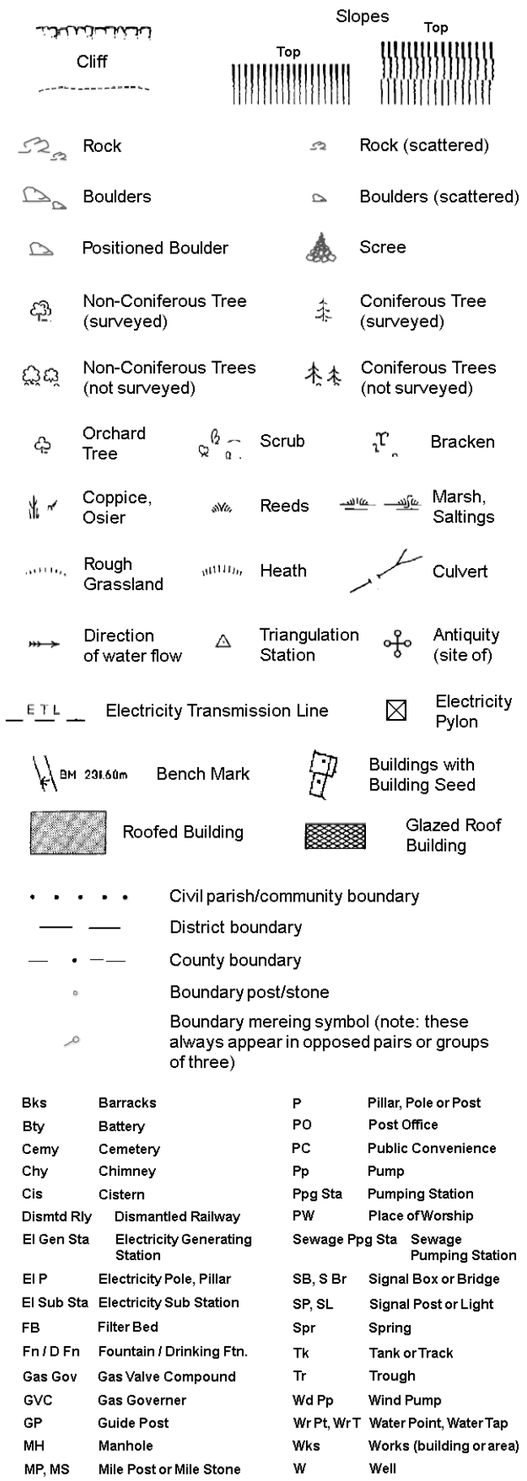
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

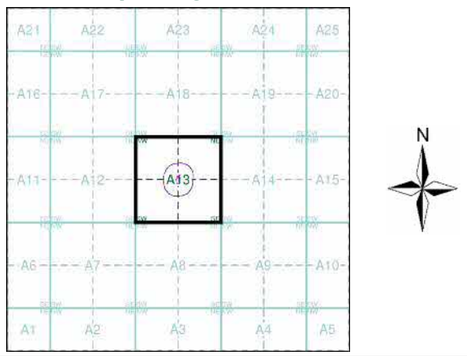
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1868	2
Hampshire & Isle Of Wight	1:2,500	1868	3
Hampshire & Isle Of Wight	1:2,500	1897	4
Hampshire & Isle Of Wight	1:2,500	1909	5
Hampshire & Isle Of Wight	1:2,500	1932	6
Ordnance Survey Plan	1:2,500	1953 - 1966	7
Ordnance Survey Plan	1:2,500	1959 - 1975	8
Ordnance Survey Plan	1:2,500	1970 - 1974	9
Ordnance Survey Plan	1:1,250	1973 - 1974	10
Additional SIMs	1:2,500	1975 - 1990	11
Ordnance Survey Plan	1:1,250	1976 - 1985	12
Additional SIMs	1:1,250	1977 - 1985	13
Additional SIMs	1:1,250	1989 - 1990	14
Additional SIMs	1:2,500	1990	15
Large-Scale National Grid Data	1:1,250	1993	16
Large-Scale National Grid Data	1:2,500	1993	17
Large-Scale National Grid Data	1:1,250	1996	18
Historical Aerial Photography	1:2,500	1999	19

Historical Map - Segment A13

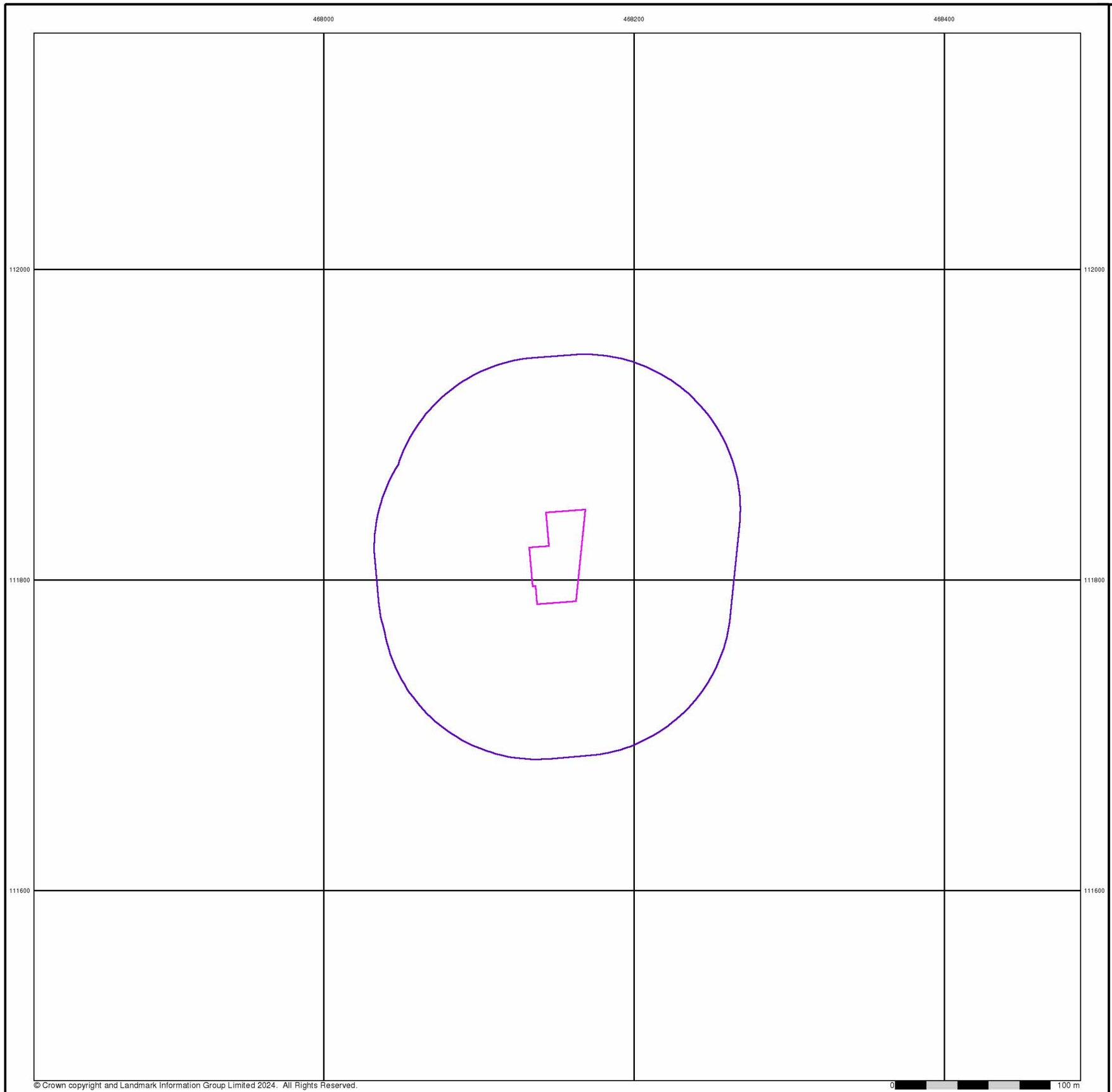


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Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY



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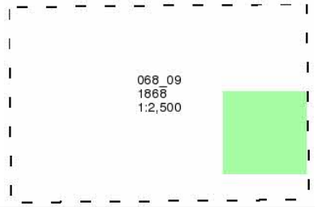
Hampshire & Isle Of Wight

Published 1868

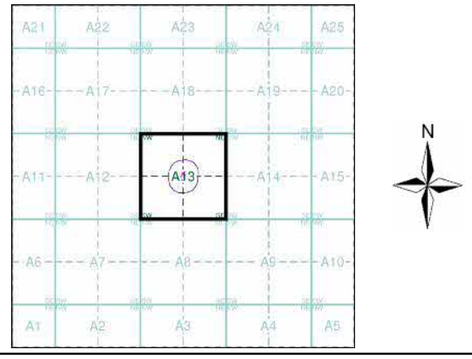
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

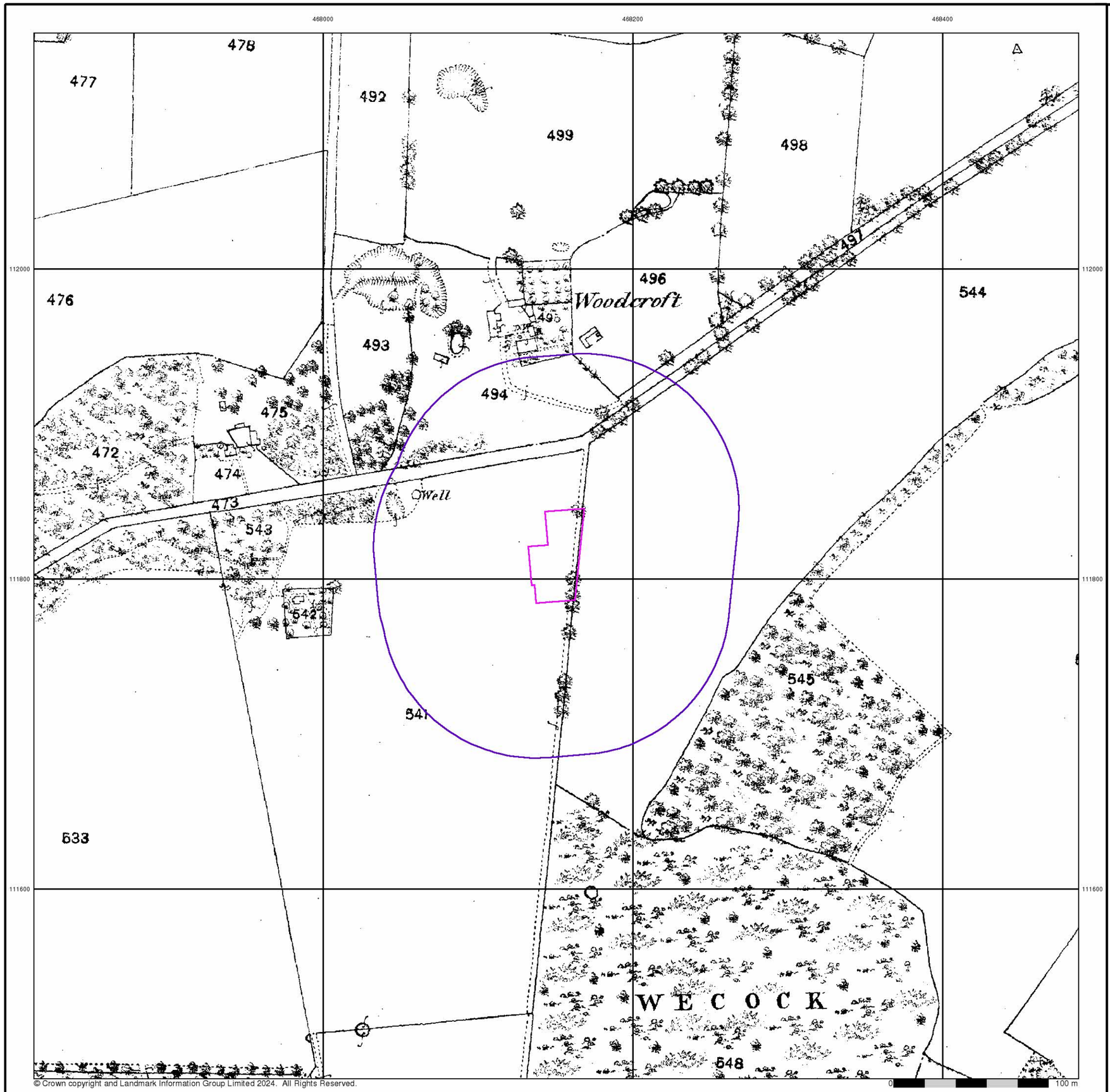


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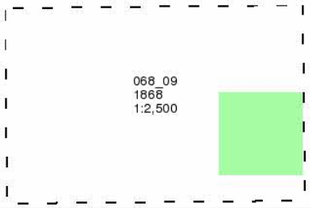
Hampshire & Isle Of Wight

Published 1868

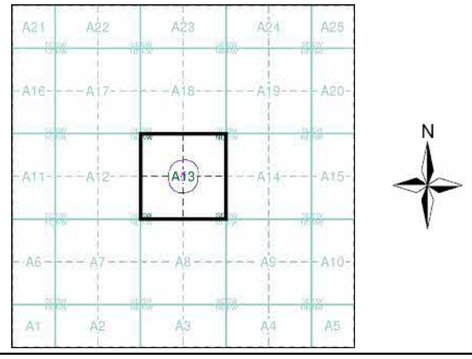
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Historical Map - Segment A13



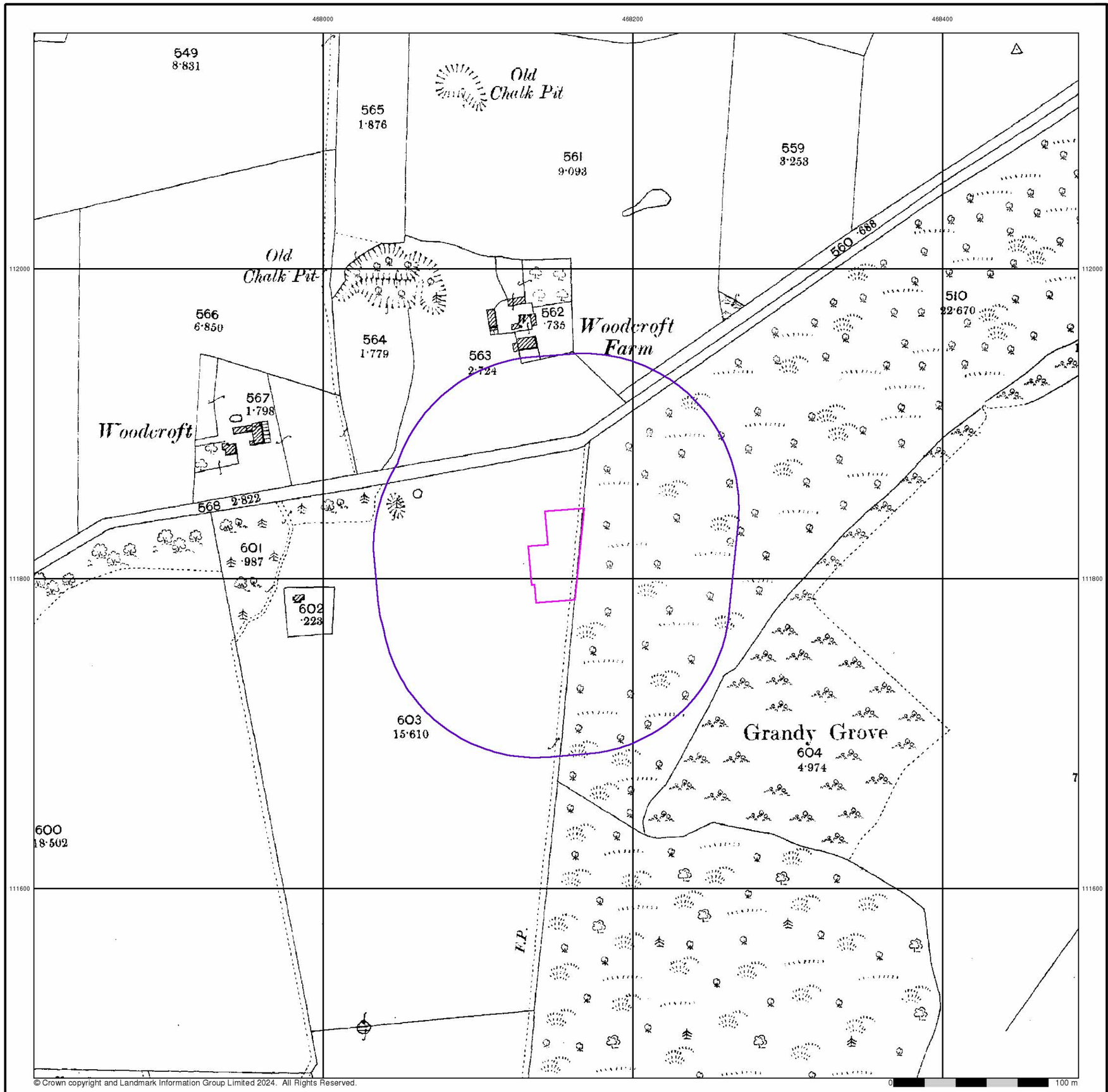
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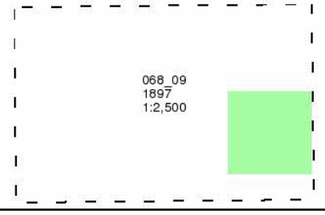
Hampshire & Isle Of Wight

Published 1897

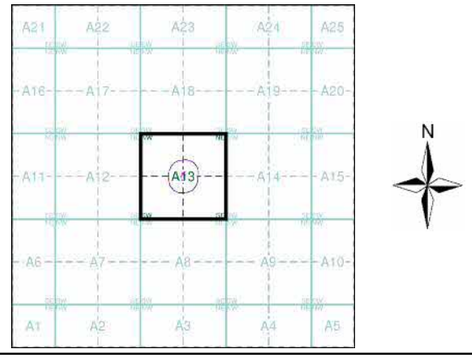
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Map Name(s) and Date(s)



Historical Map - Segment A13

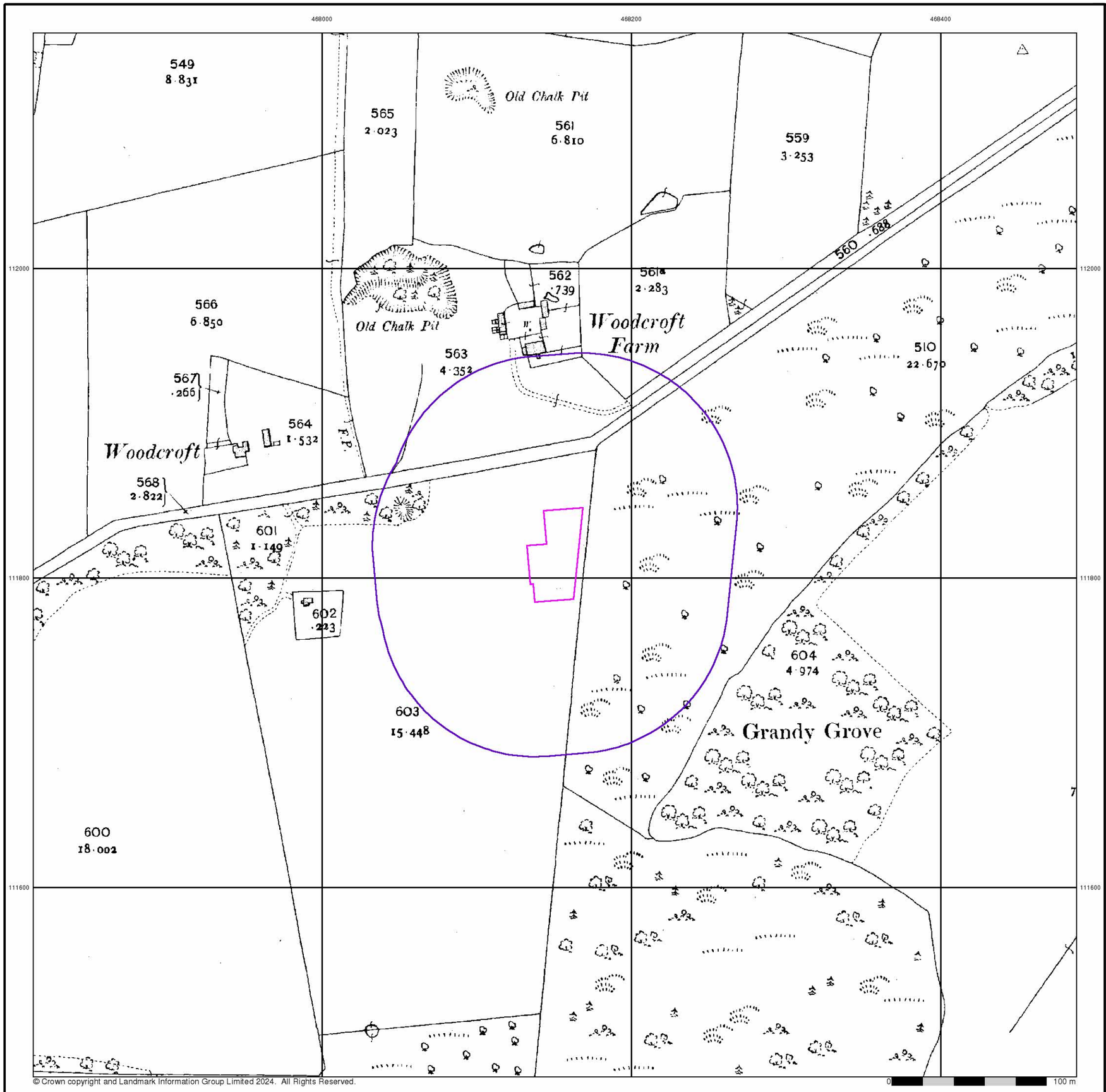


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Site Details

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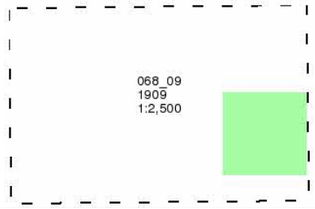
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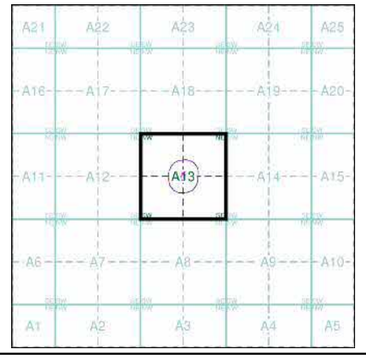
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Map Name(s) and Date(s)



Historical Map - Segment A13



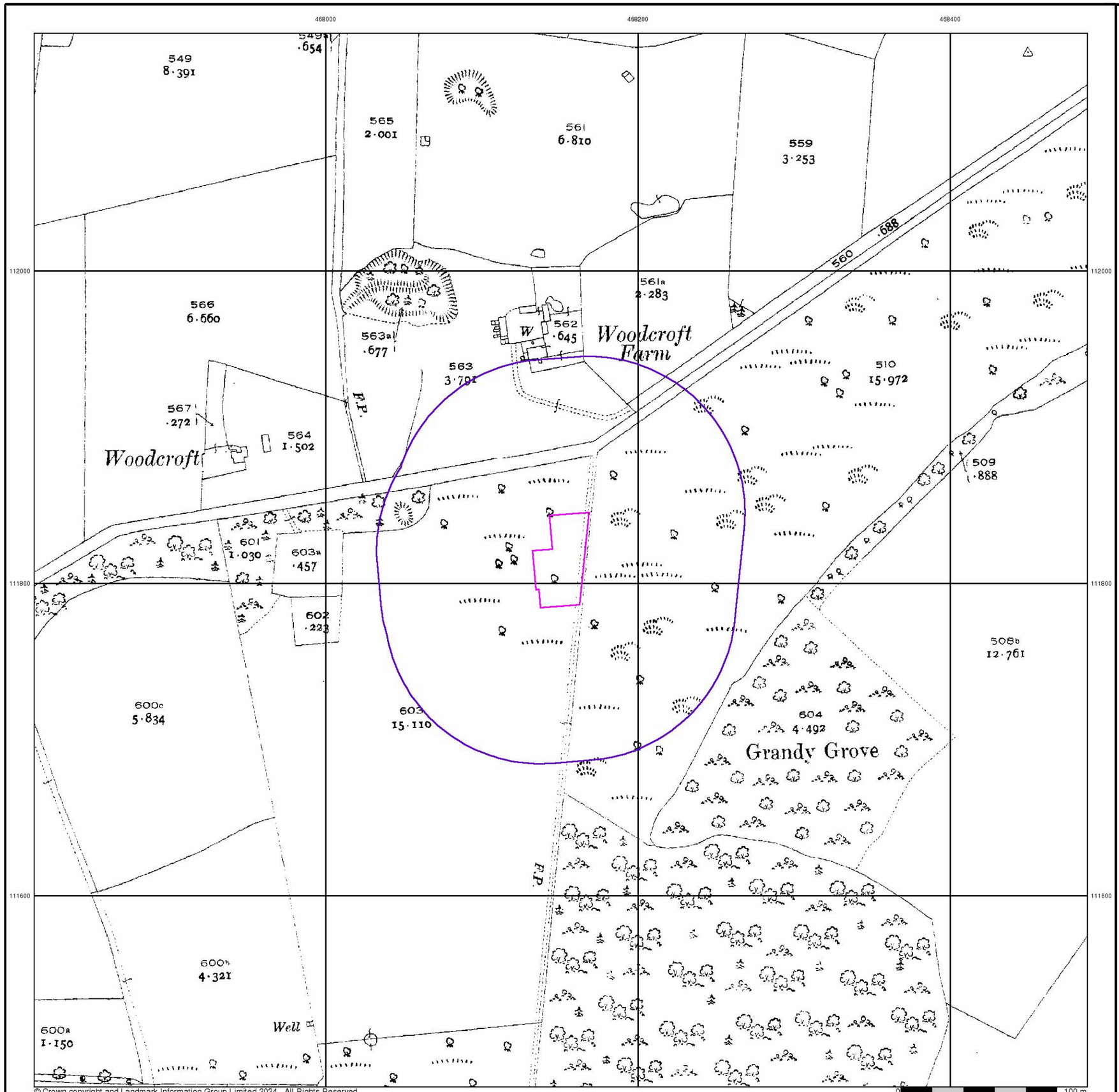
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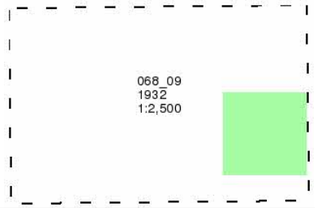
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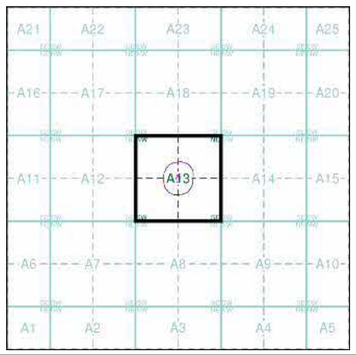
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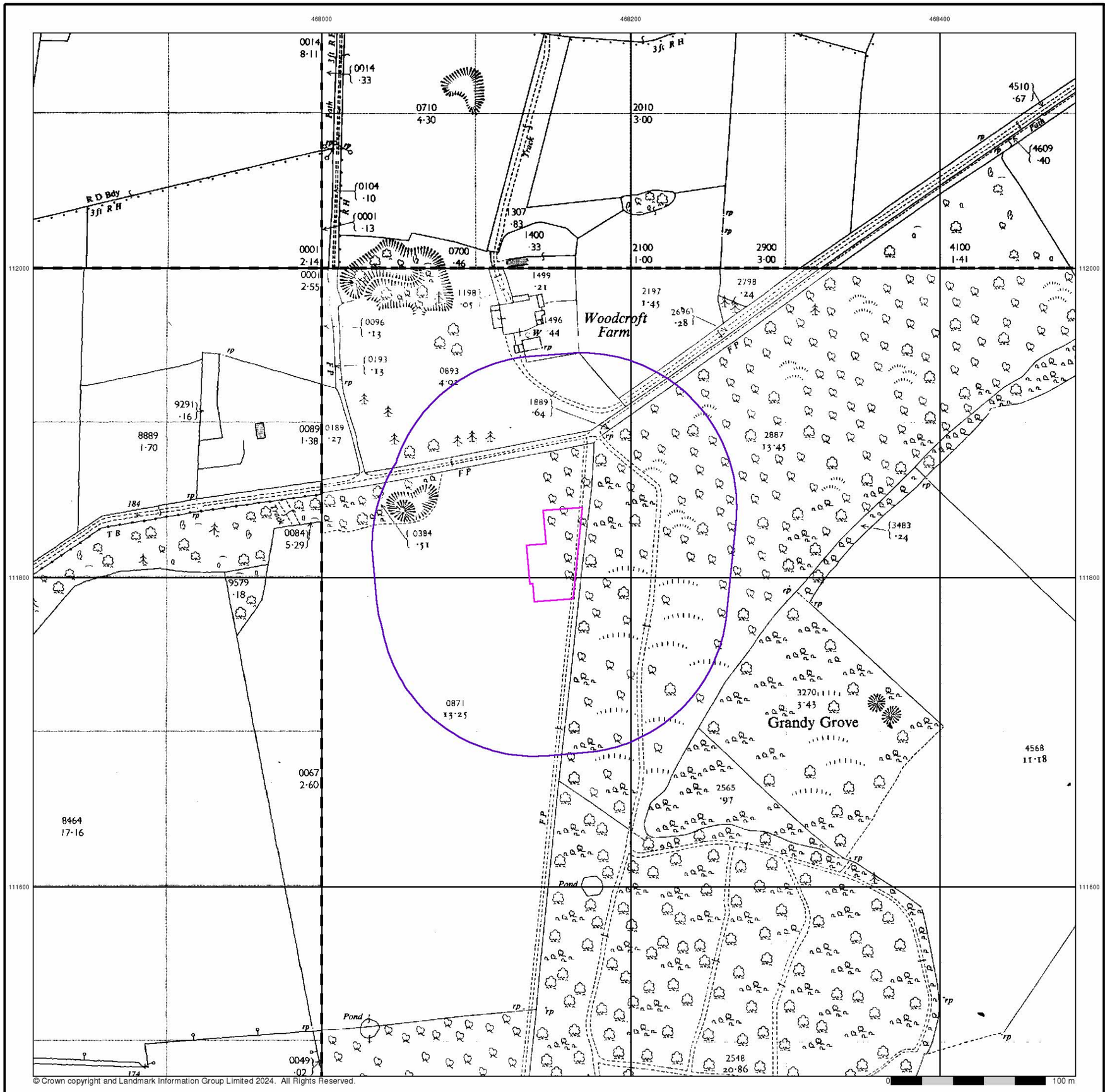


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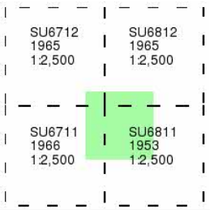
Ordnance Survey Plan

Published 1953 - 1966

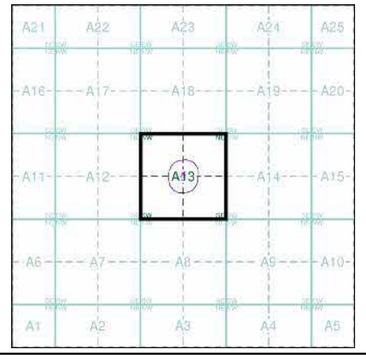
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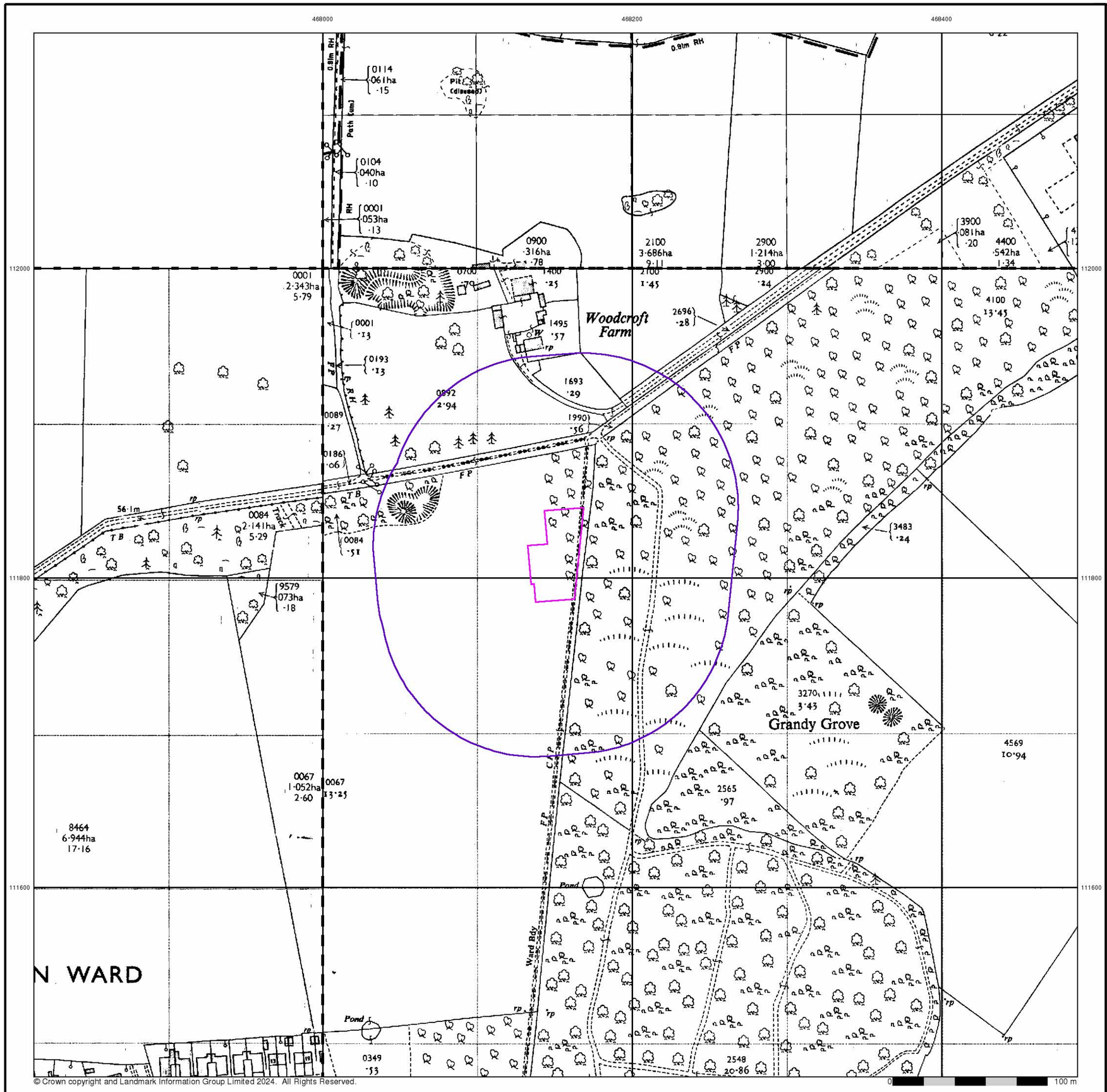


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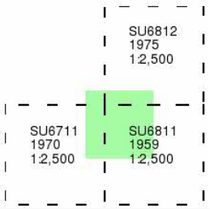
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Published 1959 - 1975

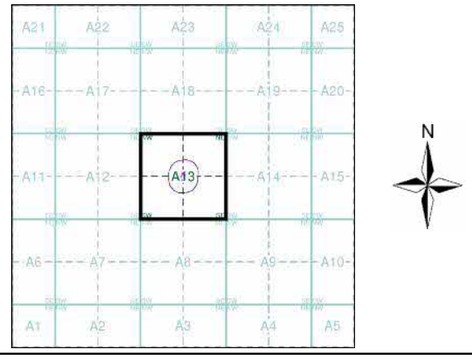
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Historical Map - Segment A13



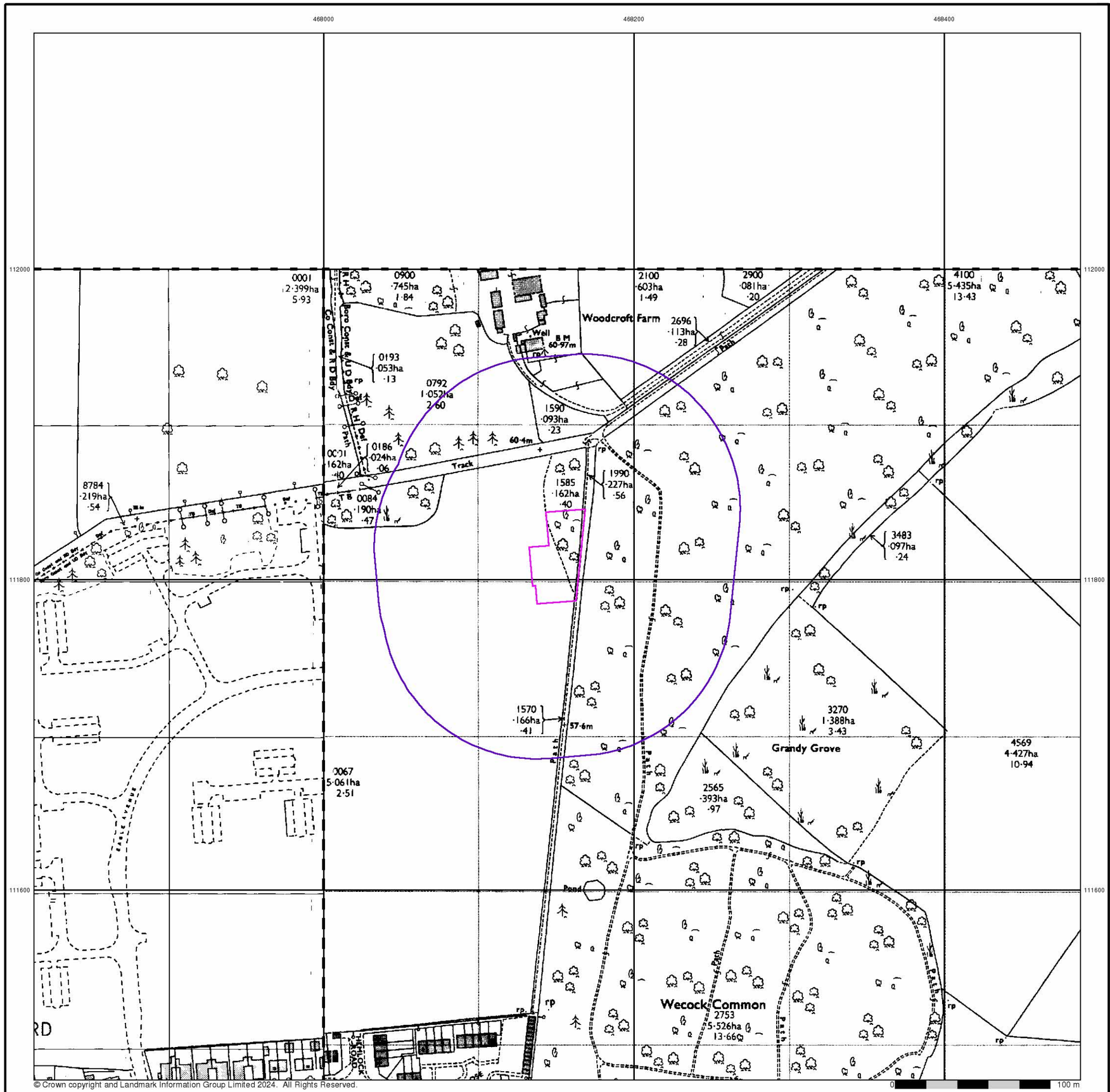
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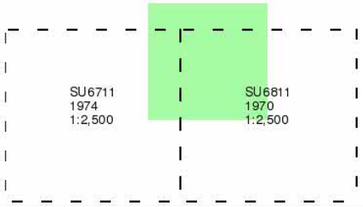
Ordnance Survey Plan

Published 1970 - 1974

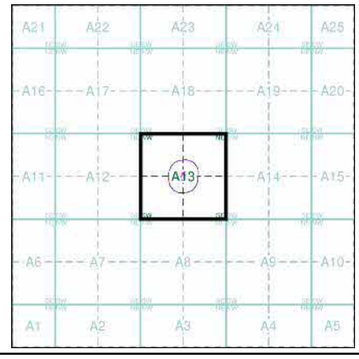
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Map Name(s) and Date(s)



Historical Map - Segment A13



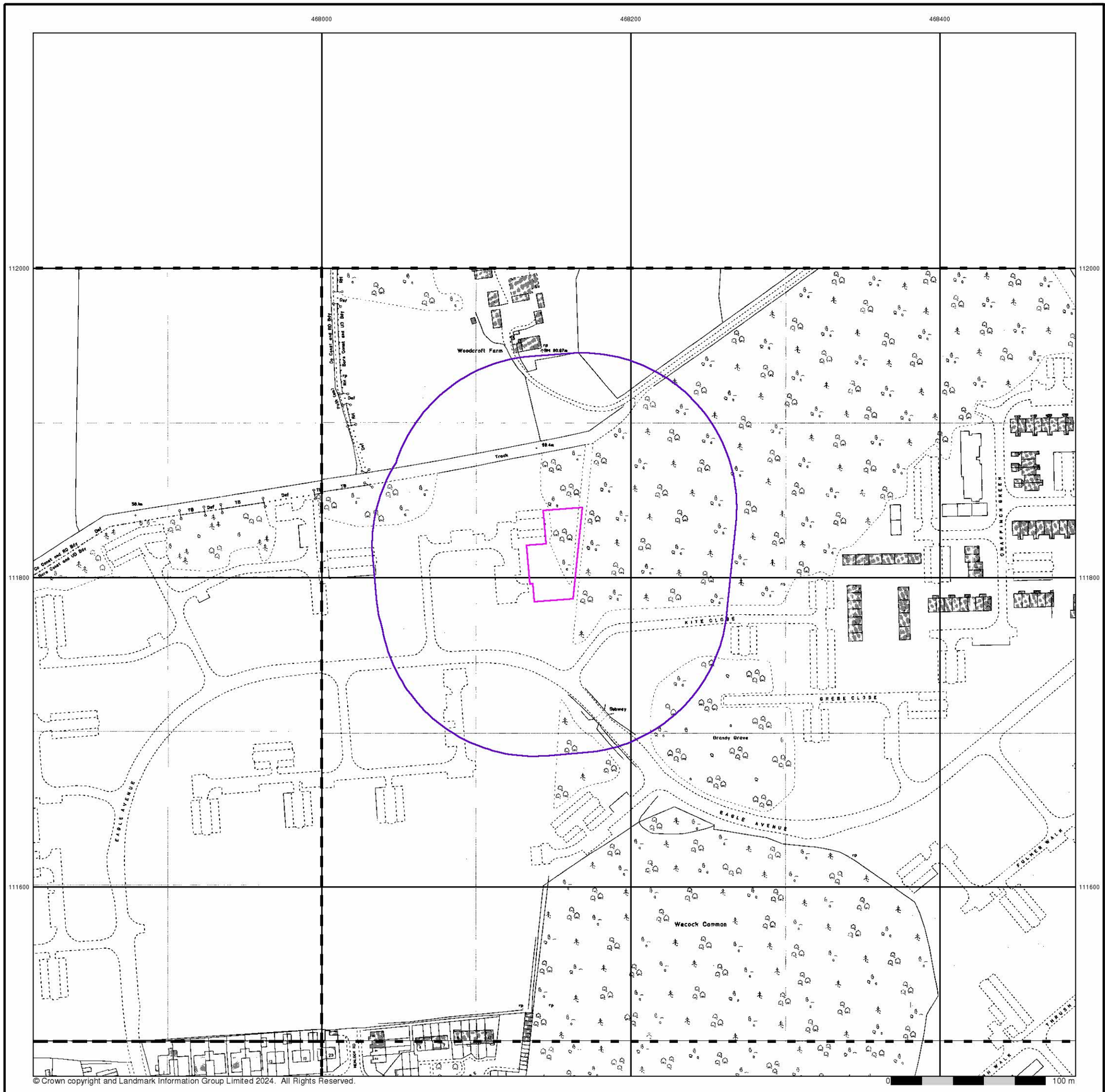
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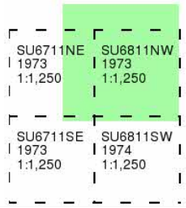
Ordnance Survey Plan

Published 1973 - 1974

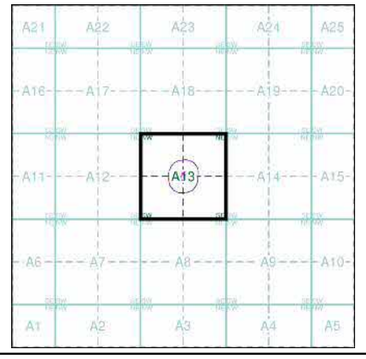
Source map scale - 1:1,250

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

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Historical Map - Segment A13



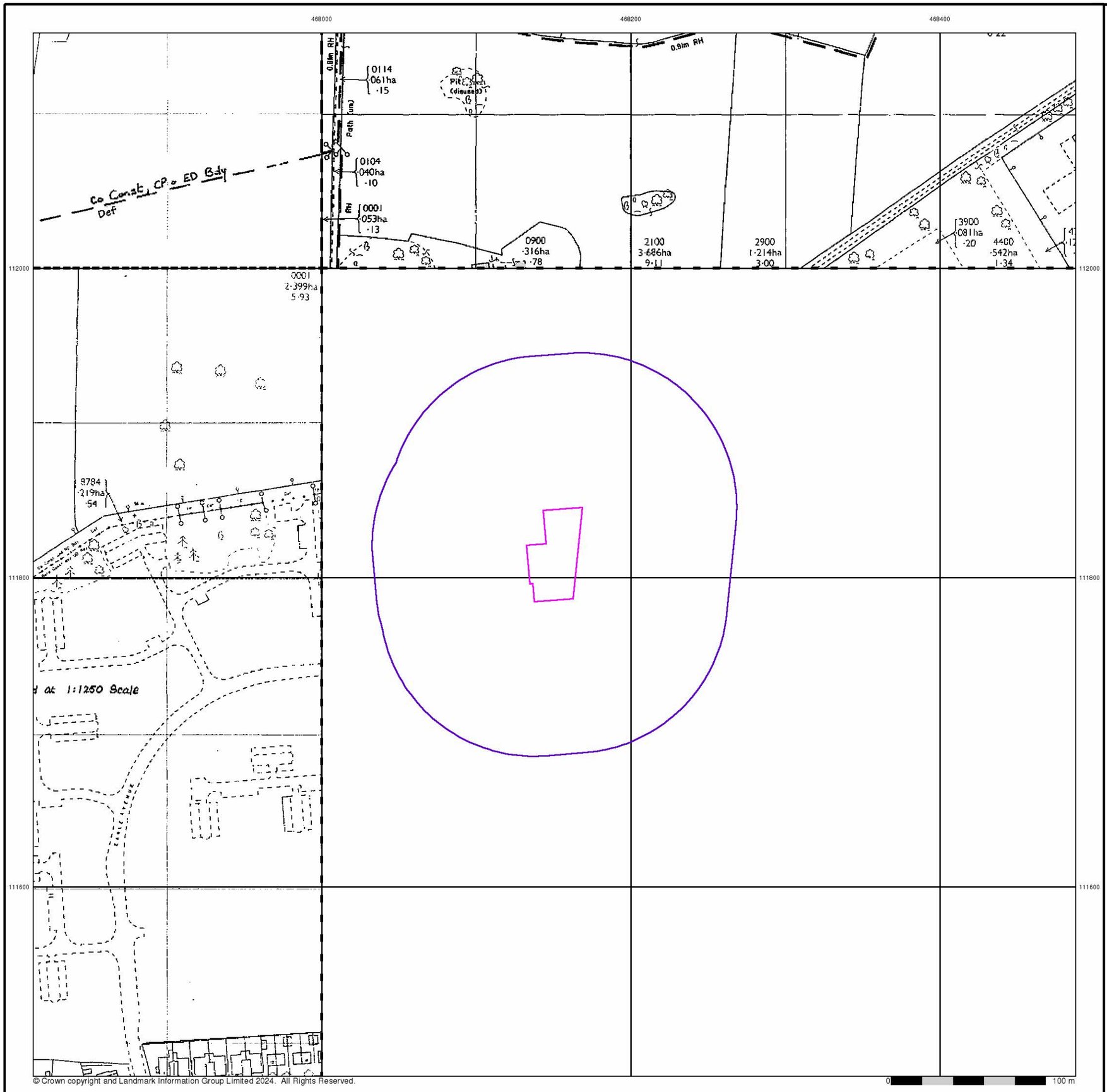
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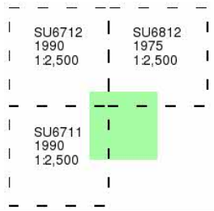
Additional SIMs

Published 1975 - 1990

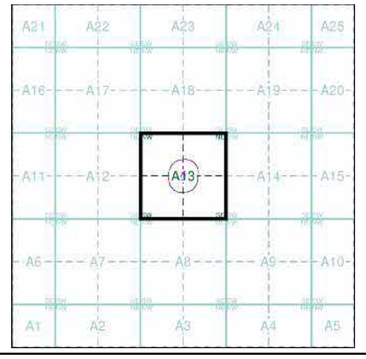
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Map Name(s) and Date(s)



Historical Map - Segment A13



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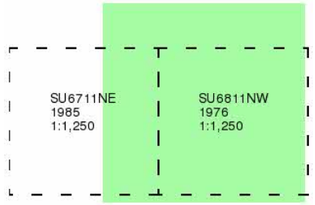
Ordnance Survey Plan

Published 1976 - 1985

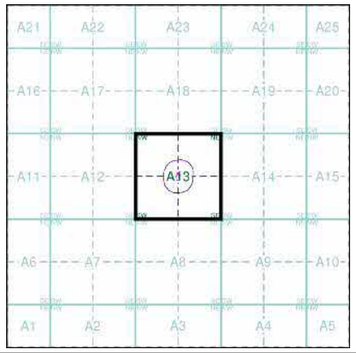
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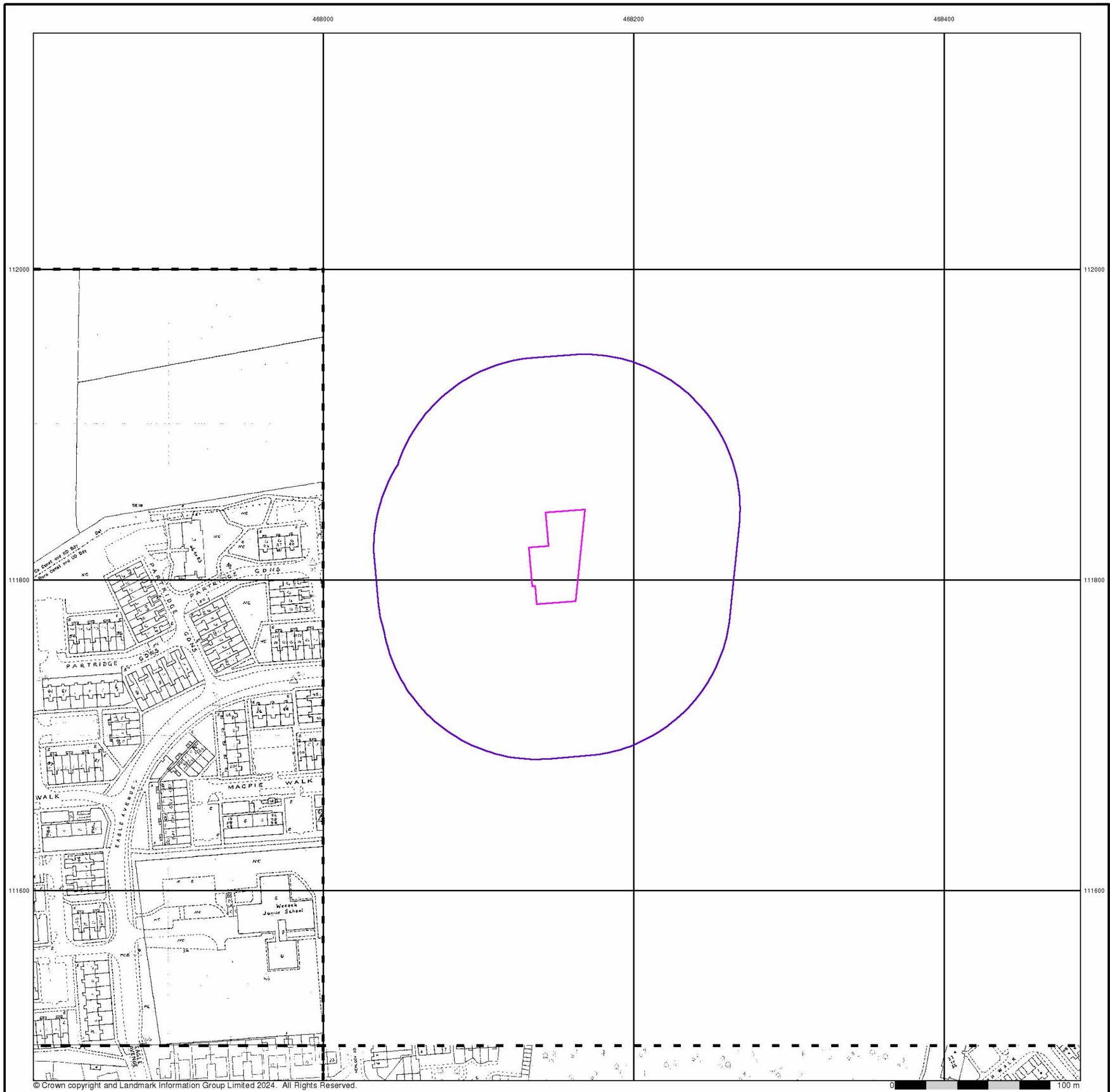
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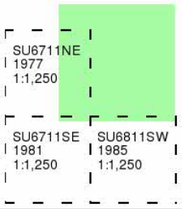
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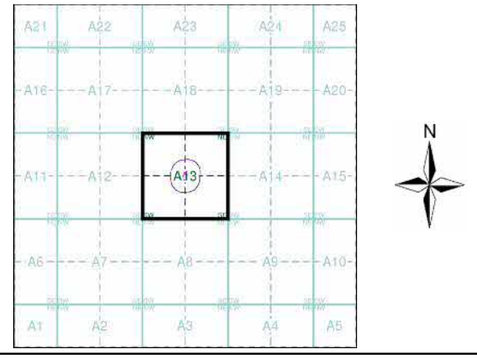
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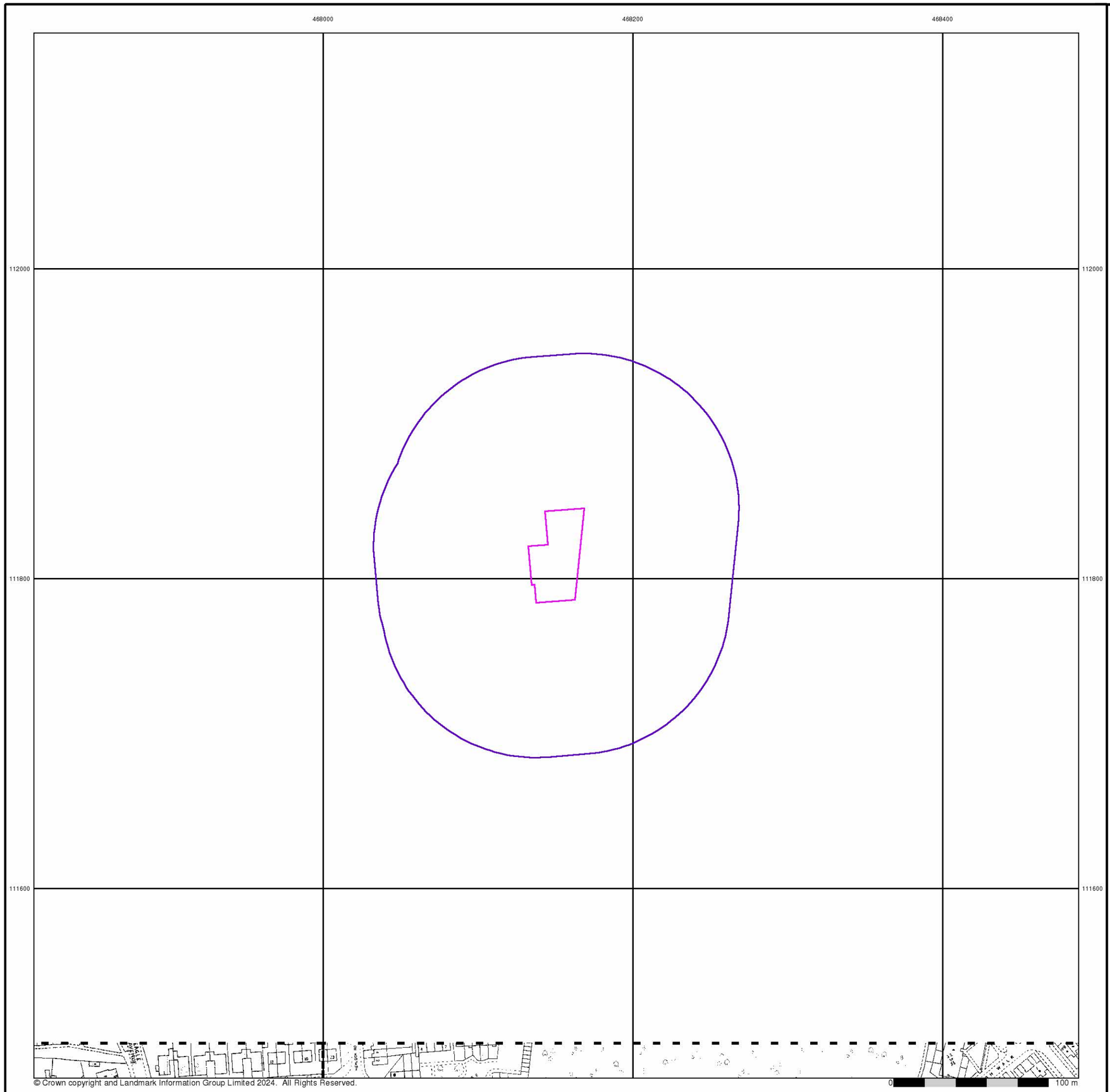
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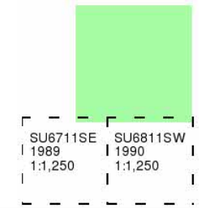
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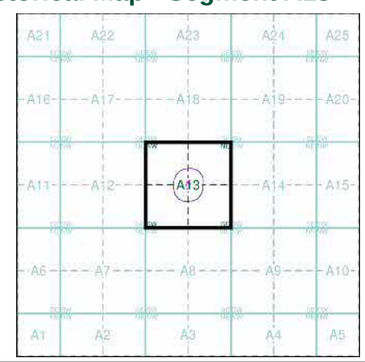
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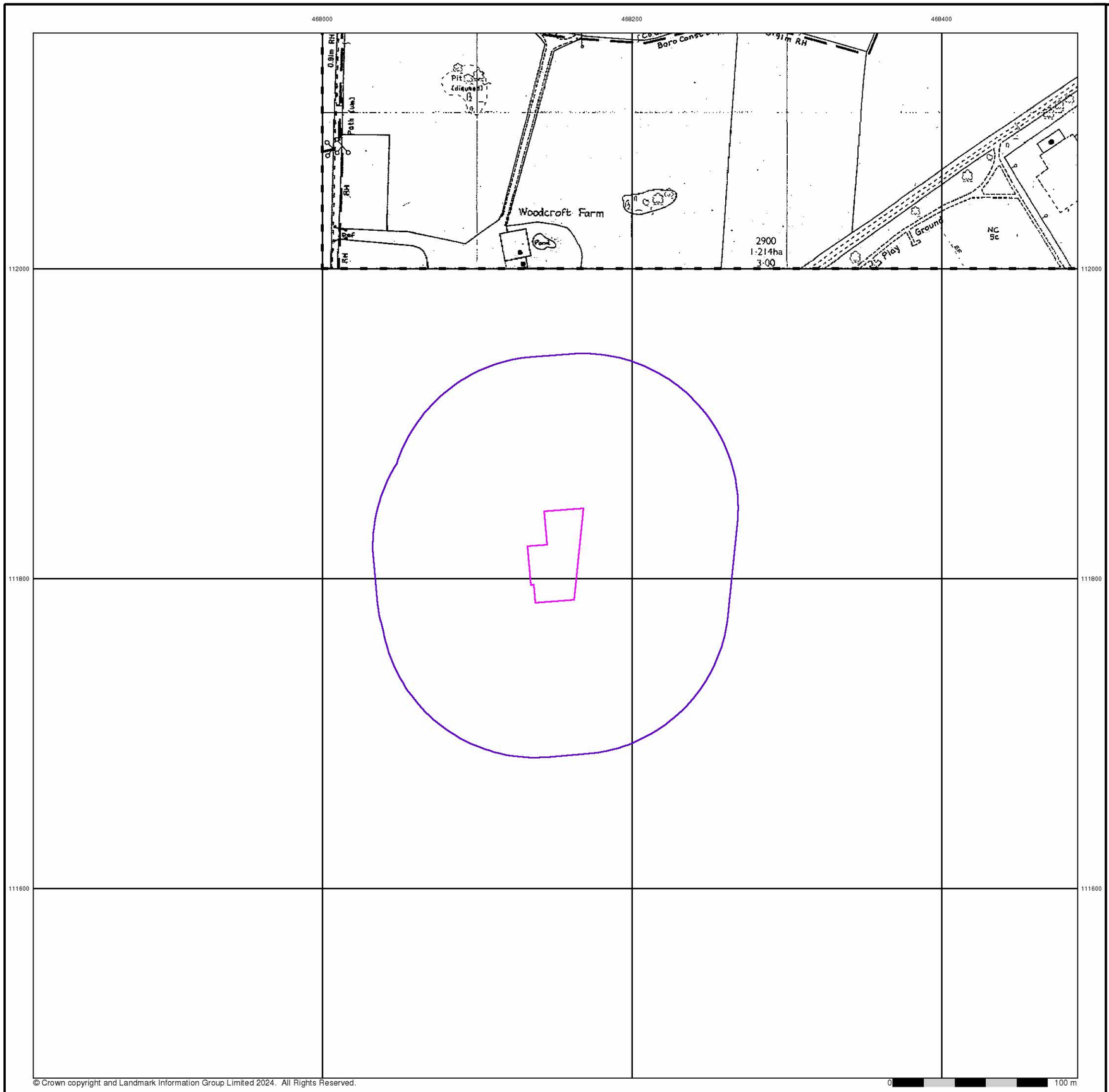
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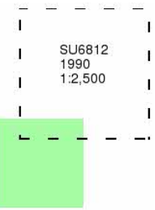
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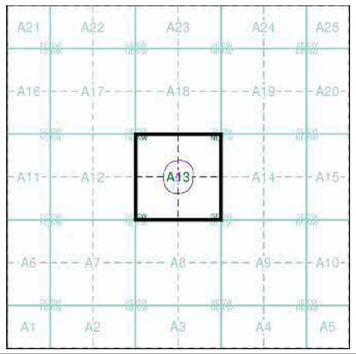
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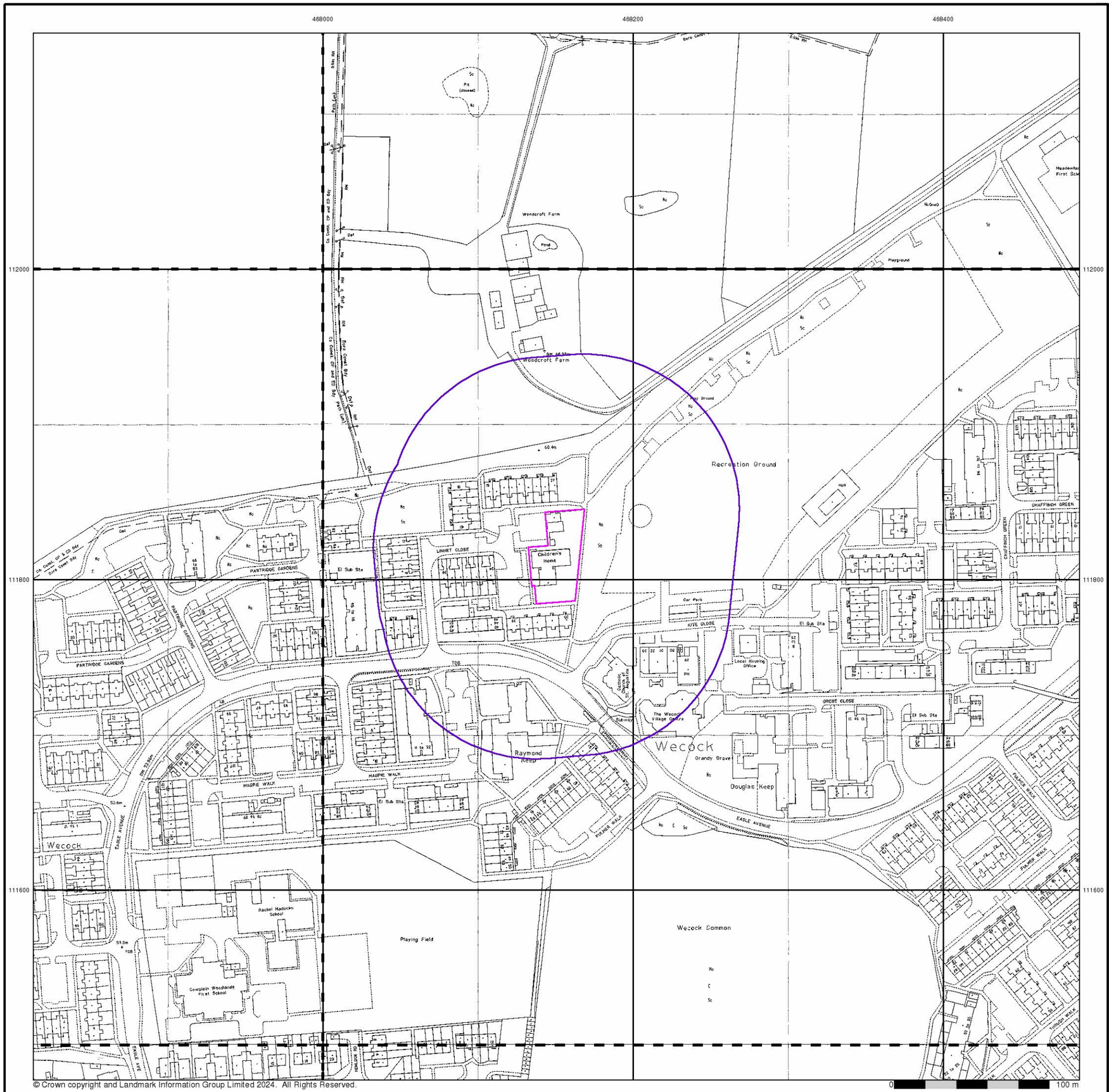
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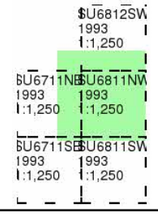
Large-Scale National Grid Data

Published 1993

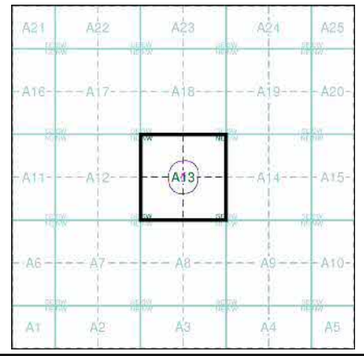
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

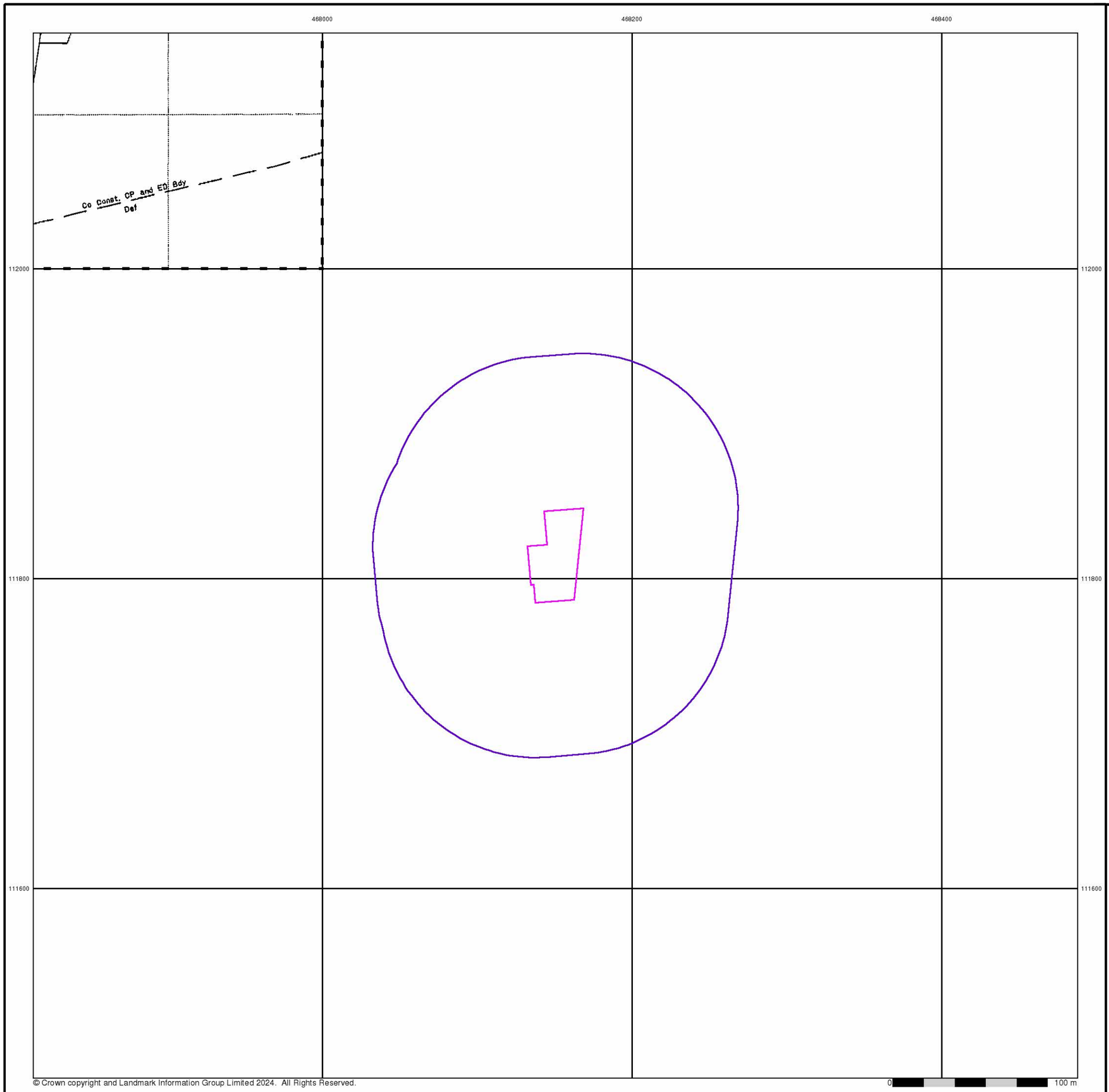


Order Details

Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

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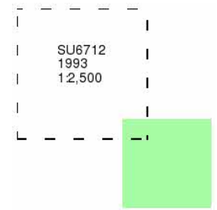
Large-Scale National Grid Data

Published 1993

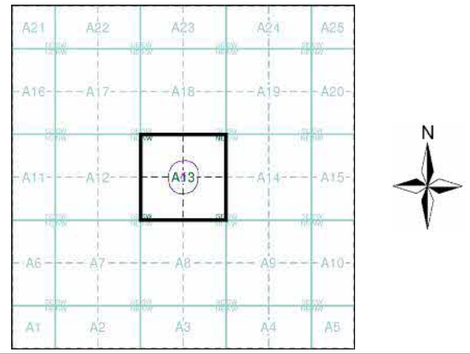
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



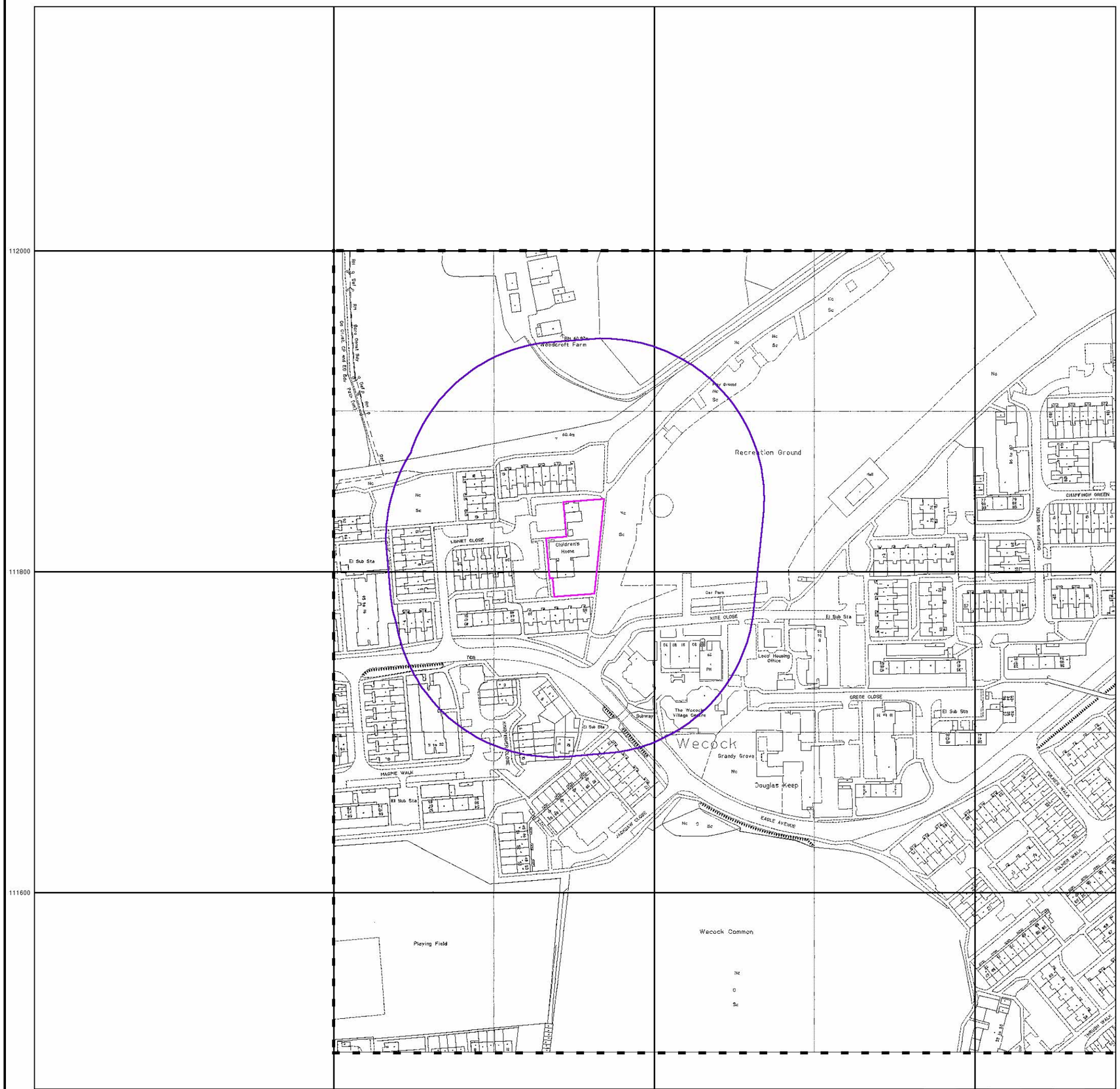
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Large-Scale National Grid Data

Published 1996

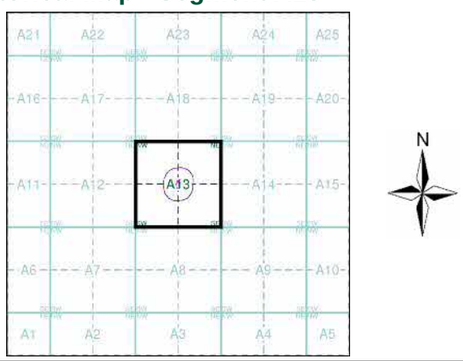
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SU6811NW
1996
1:1,250

Historical Map - Segment A13



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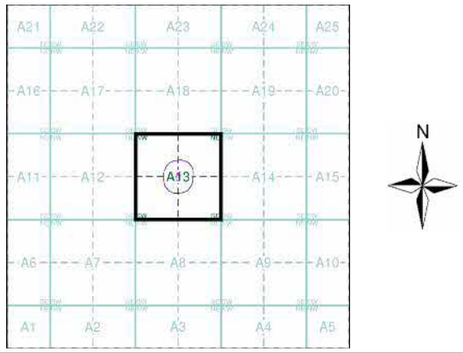
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Historical Aerial Photography

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



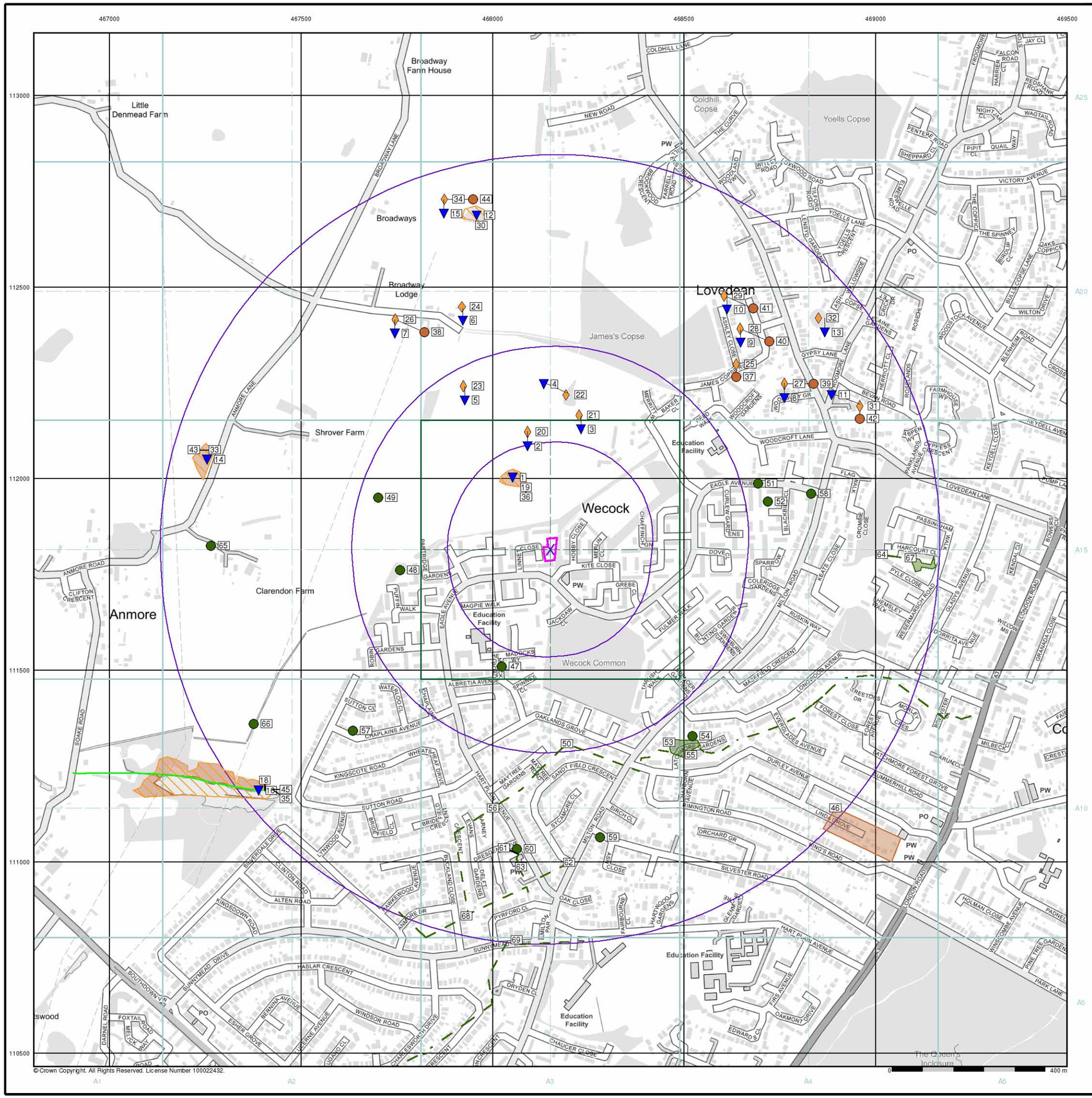
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Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

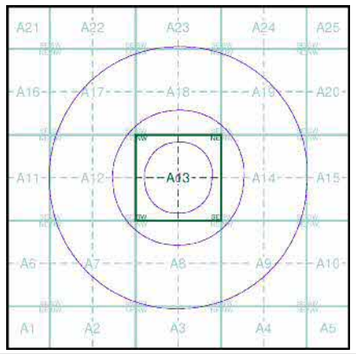
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



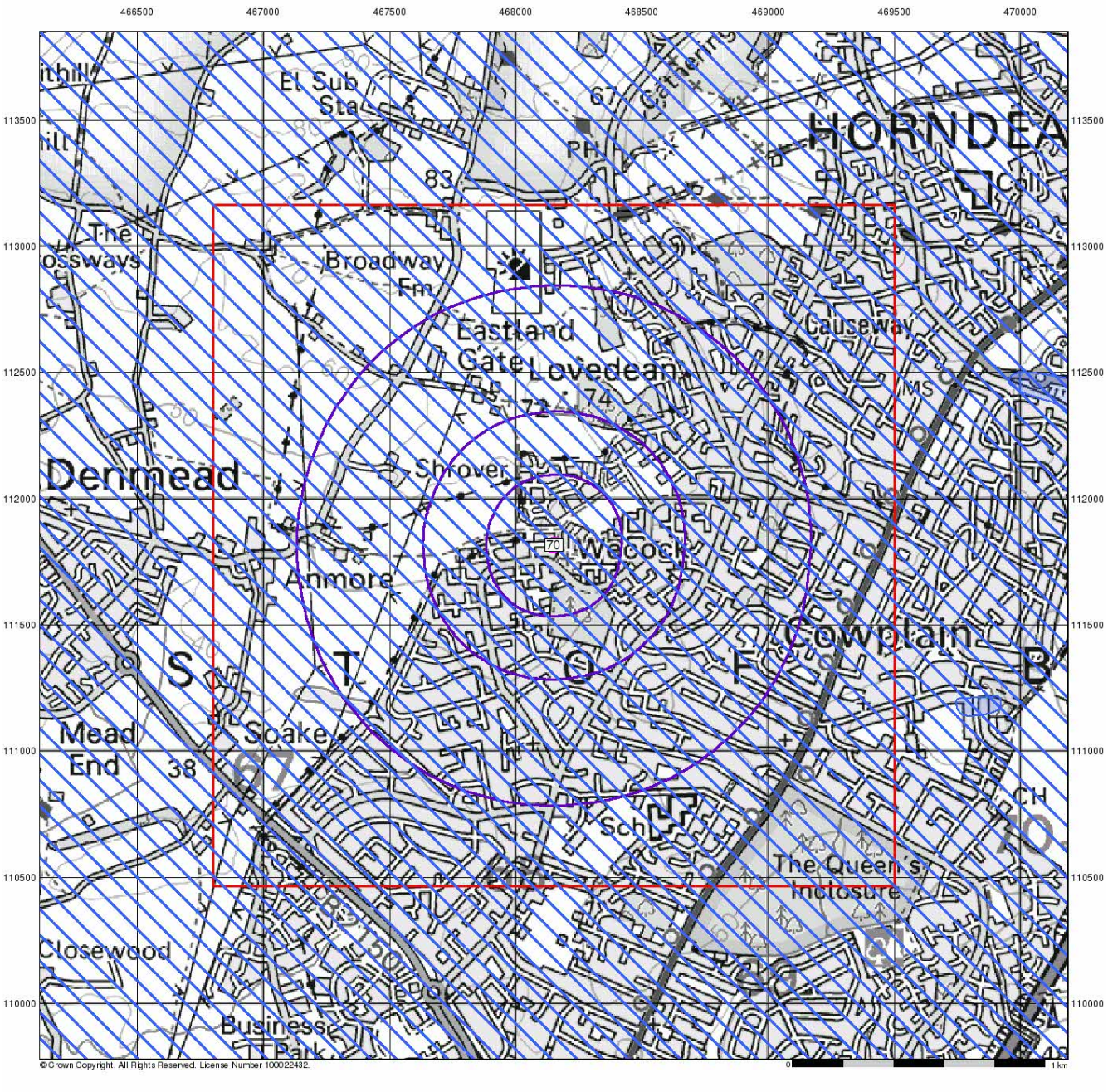
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Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

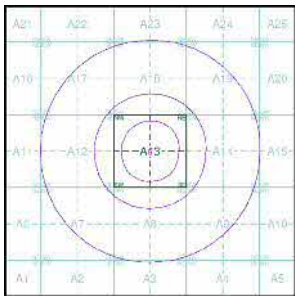
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



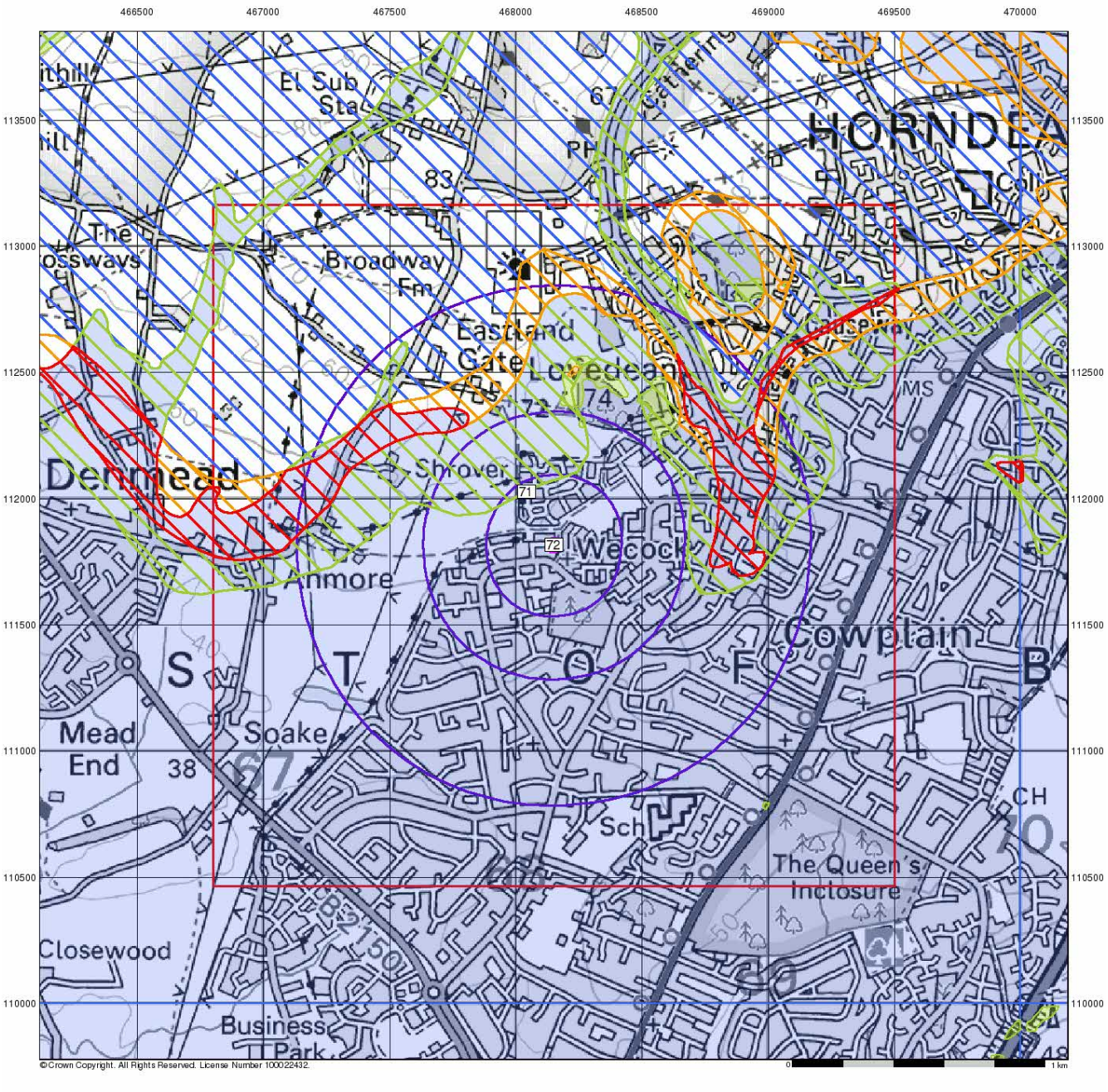
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Ground Stability Data (1:50,000)

General

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

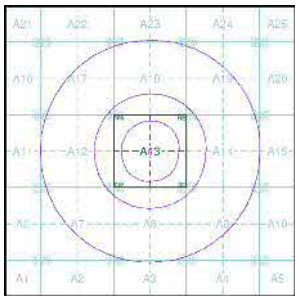
Potential for Landslide Ground Stability Hazards

High | Low
Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low
Moderate | Very Low

Mining and Ground Stability - Slice A



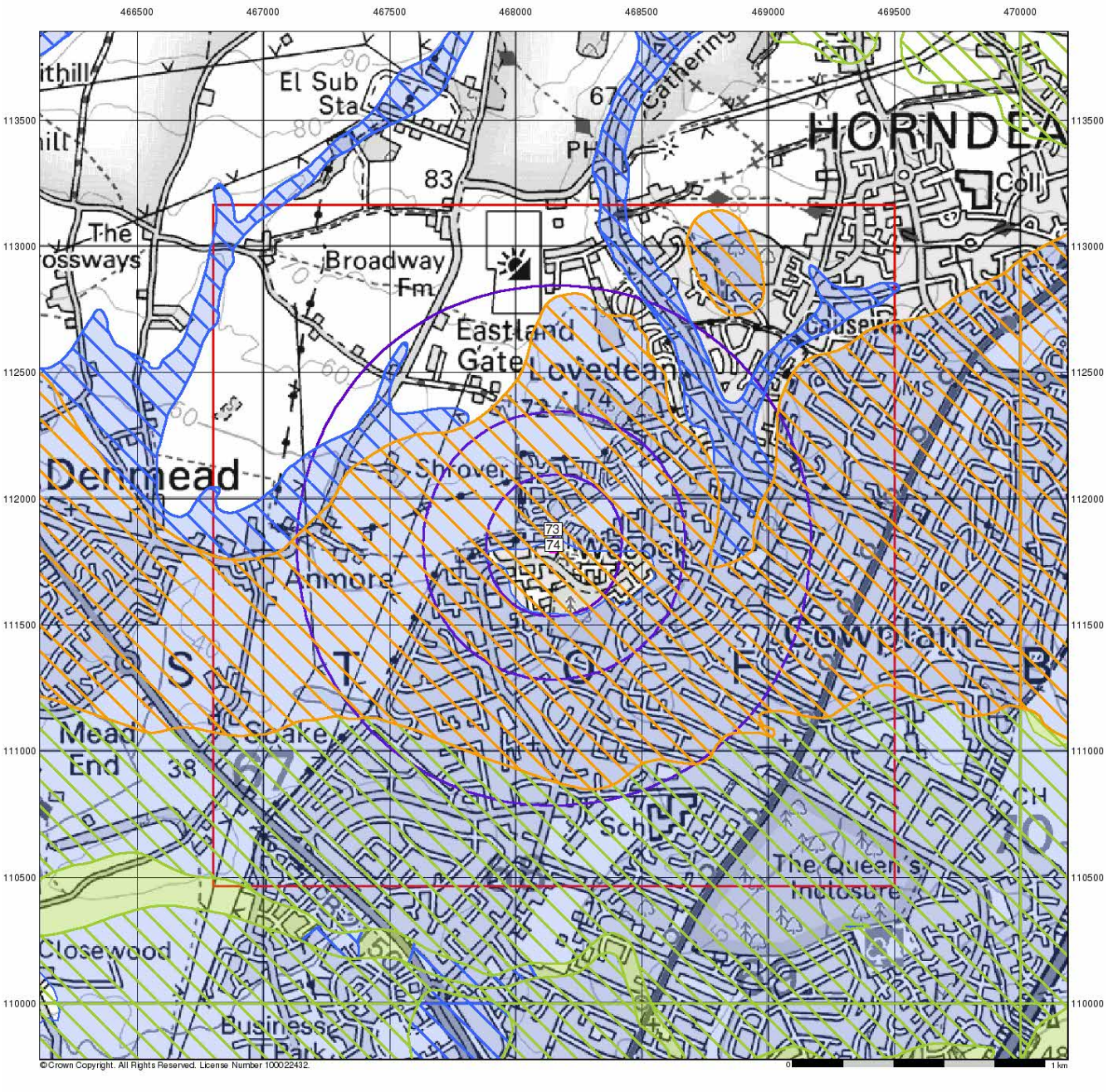
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Ground Stability Data (1:50,000)

General

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

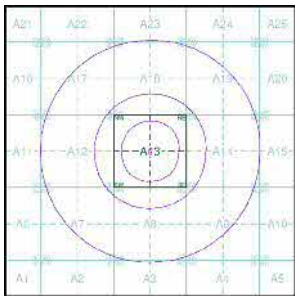
Potential for Running Sand Ground Stability Hazards

High | Low
Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low
Moderate | Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number:	351078152_1_1
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Site Area (Ha):	0.16
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Historical Land Use Information (1:2,500)

General

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

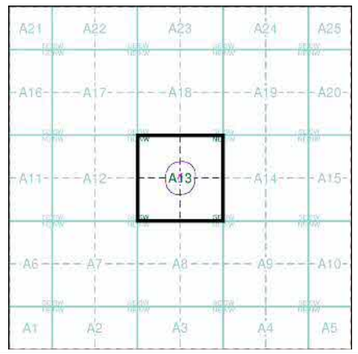
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1906 - 1937	▲	—	▭
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A13



Order Details

Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Plot Buffer (m):	100

Site Details

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Appendix C Landmark Envirocheck Report

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HEAD	Head	Clay And Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	CWF	Clay-with-flints Formation	Clay, Silt, Sand and Gravel	Not Supplied - MIOCENE

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	LC	London Clay Formation	Sand	Not Supplied - Ypresian
	BOSA	Bognor Sand Member	Sand	Not Supplied - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Not Supplied - Thanetian
	TACH	Tarrant Chalk Member	Chalk	Not Supplied - Campanian
	NCK	Newhaven Chalk Formation	Chalk	Not Supplied - Santonian

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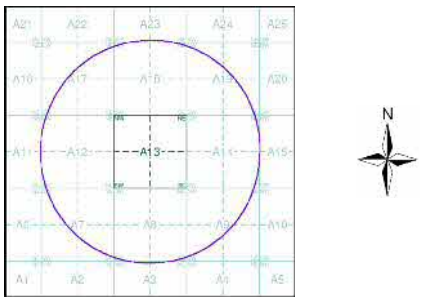
Geology 1:50,000 Maps

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

Geology 1:50,000 Maps Coverage

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

Geology 1:50,000 Maps - Slice A

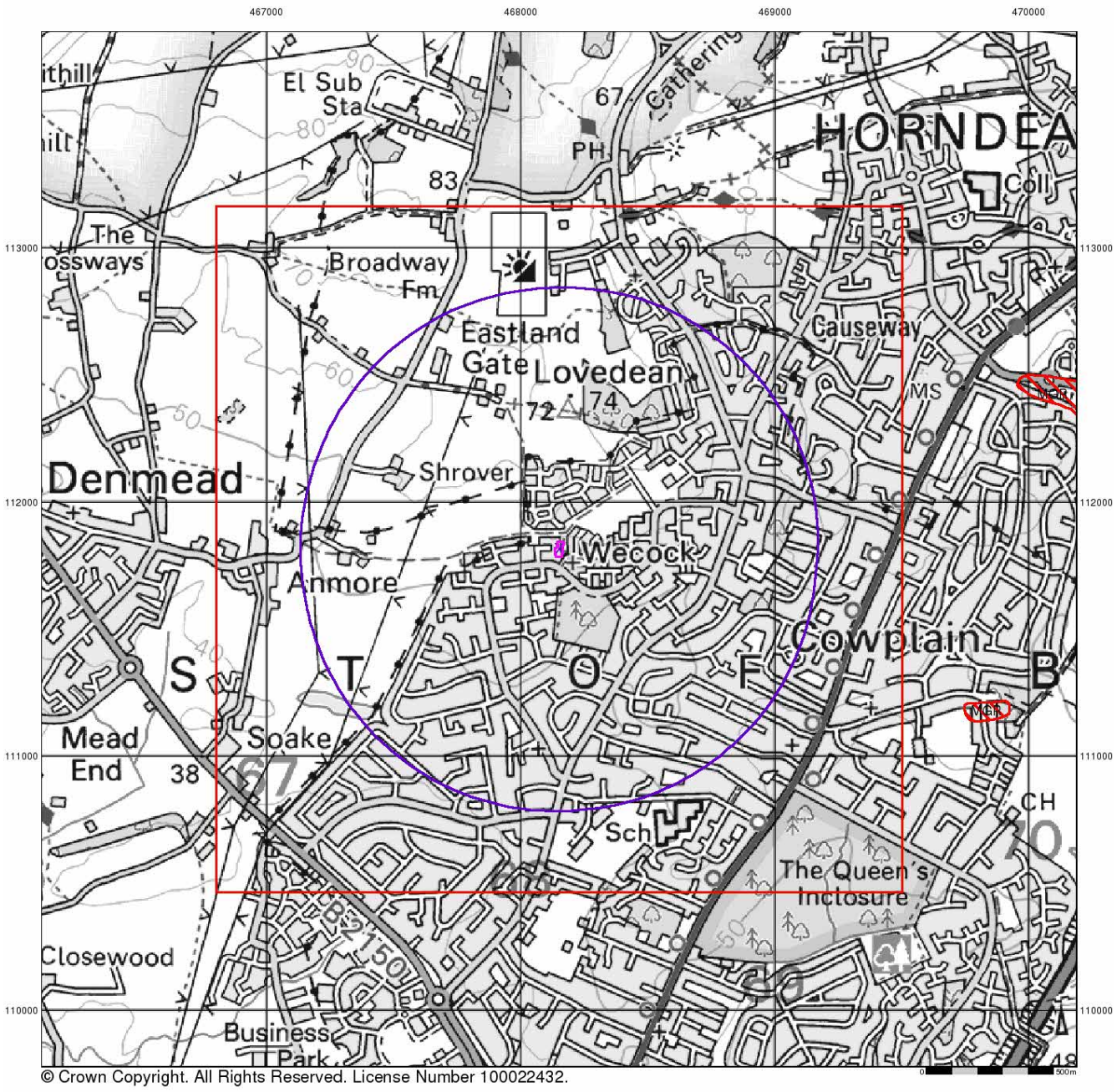


Order Details:

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Artificial Ground and Landslip

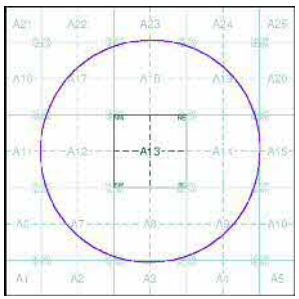
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



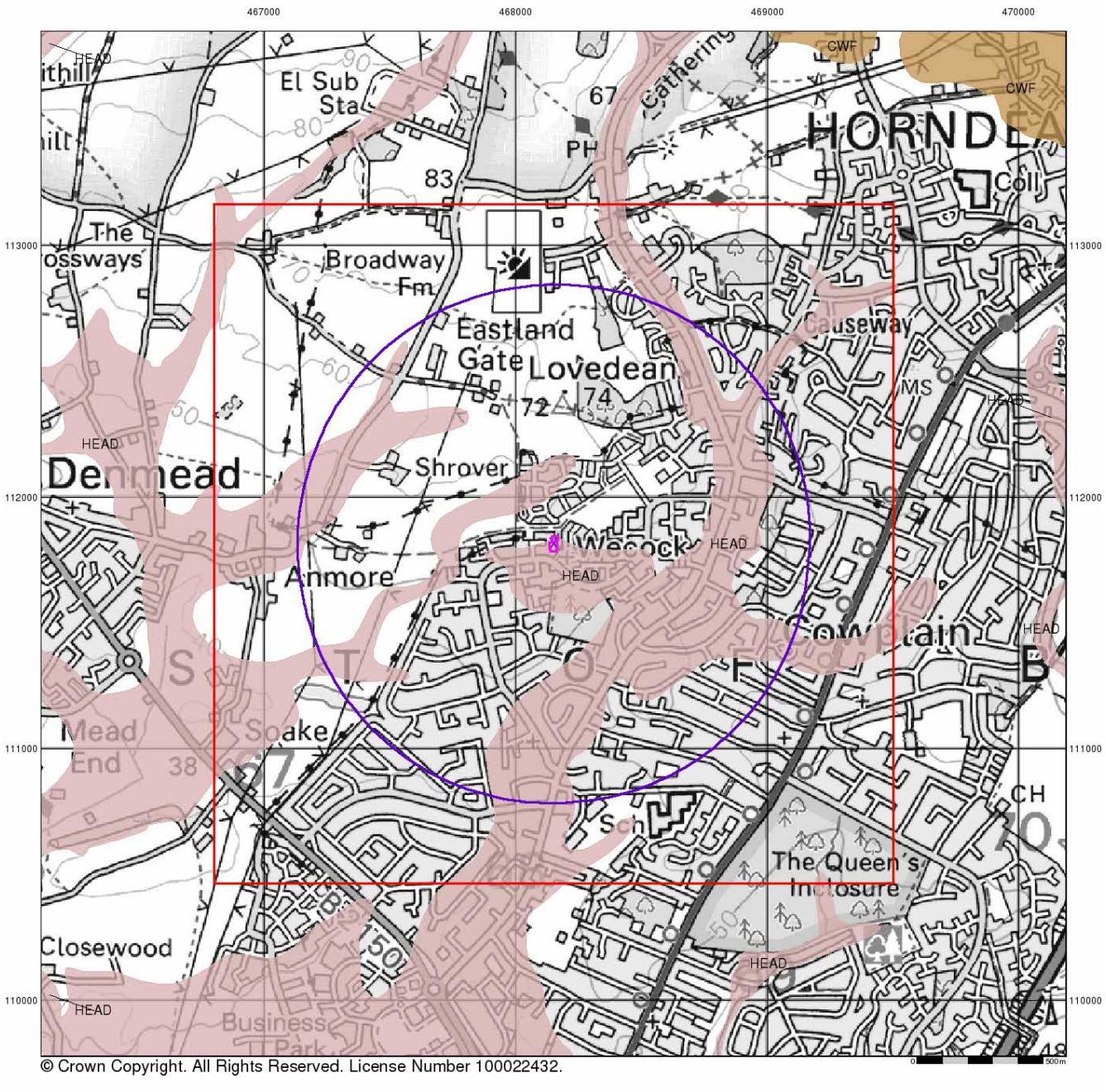
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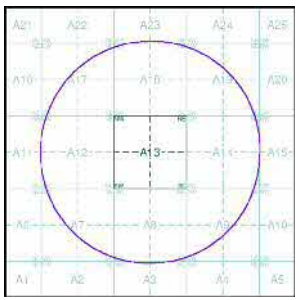
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



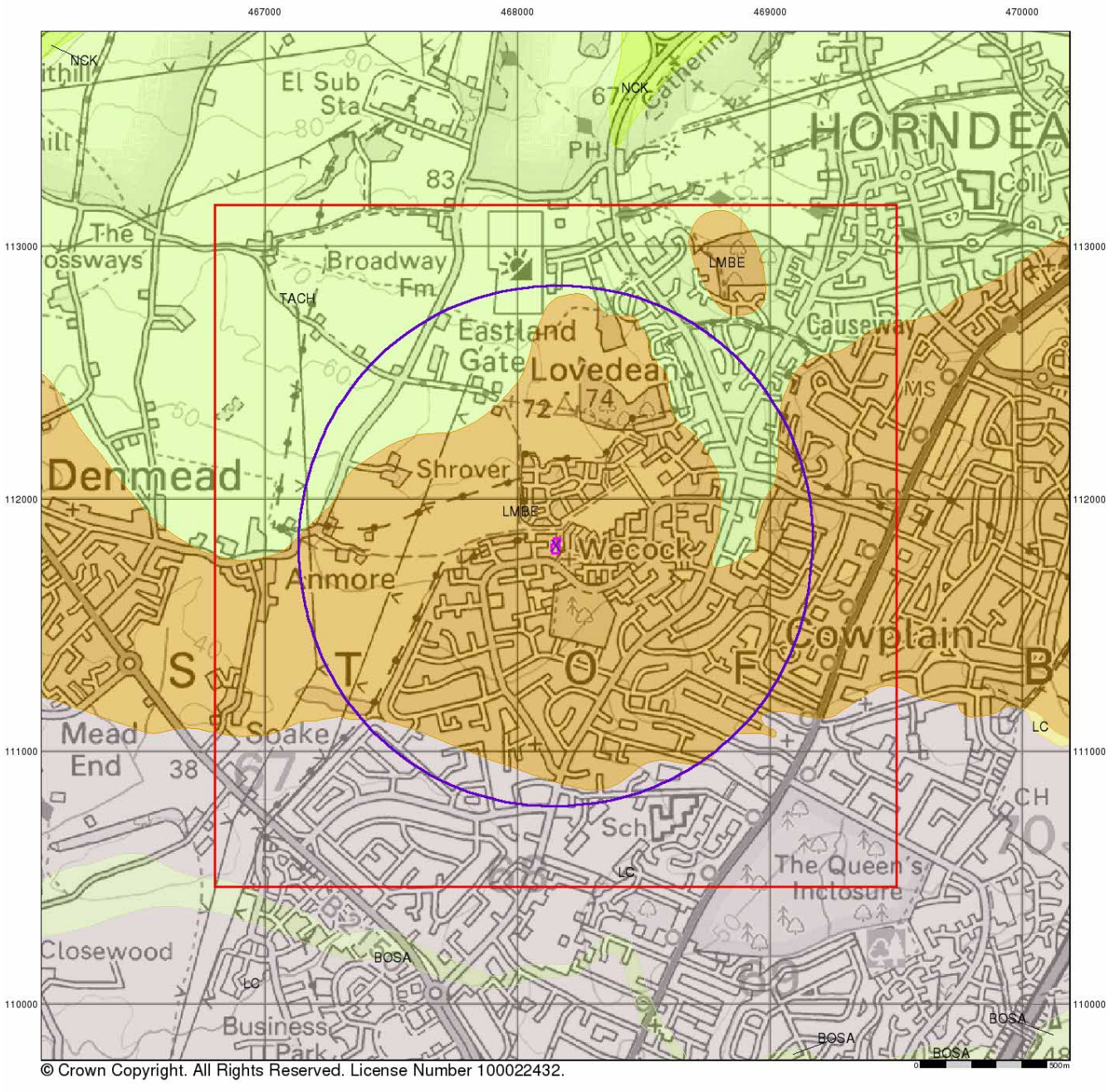
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Bedrock and Faults

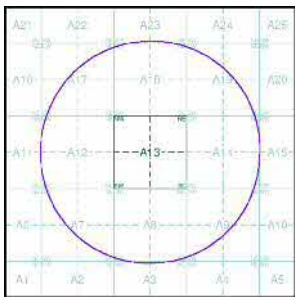
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



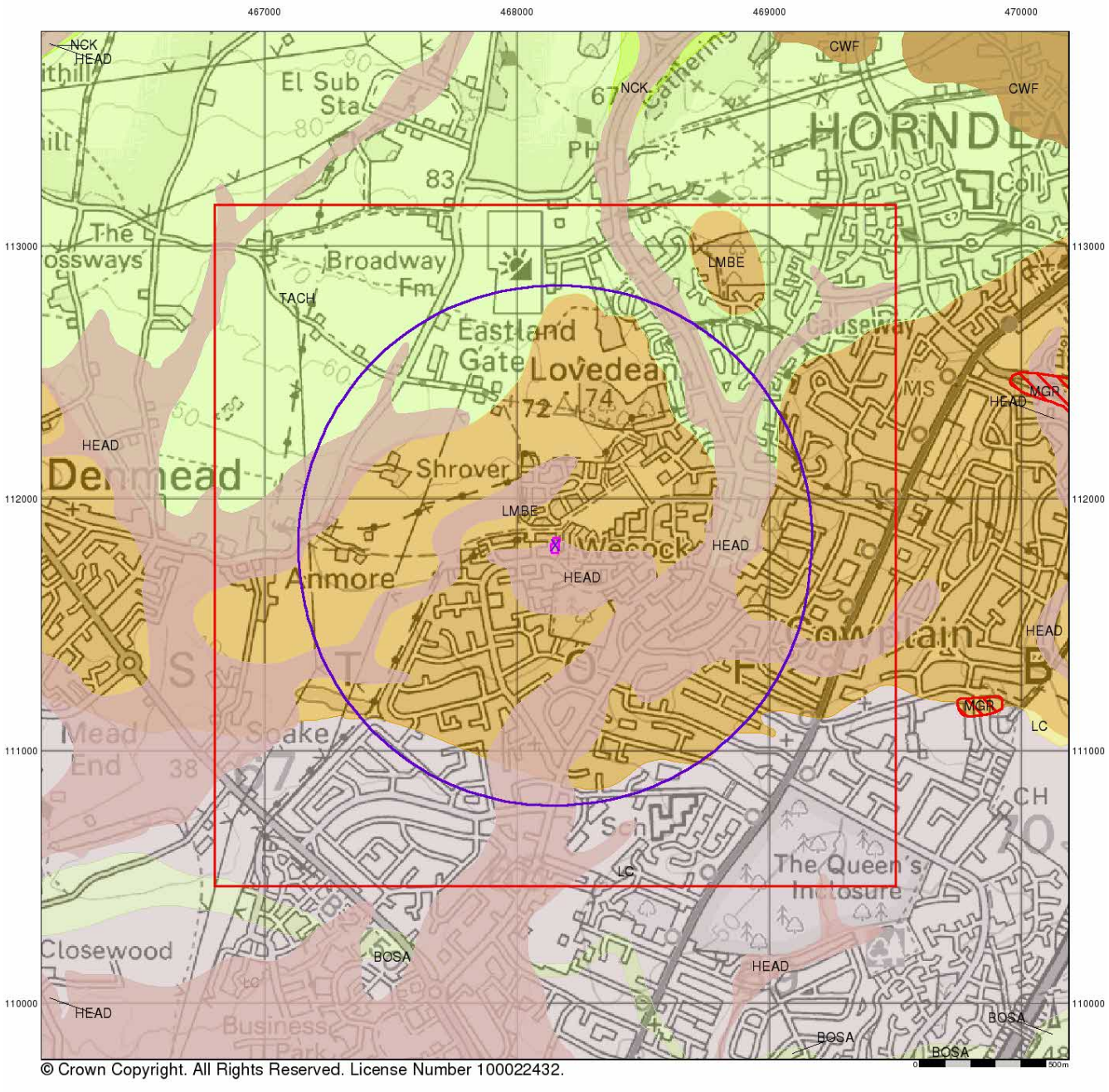
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Combined Surface Geology

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

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

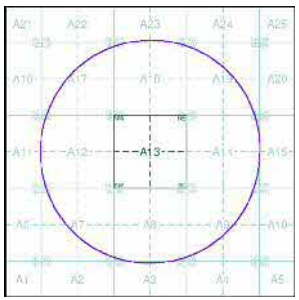
Additional Information

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

Contact

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Keyworth
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NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number:	351078152_1_1
Customer Reference:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details:

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
351078152_1_1

Customer Reference:
21511/JD

National Grid Reference:
468150, 111820

Slice:
A

Site Area (Ha):
0.16

Search Buffer (m):
1000

Site Details:

Littlefold Family Resource Centre, Linnet Close
WATERLOOVILLE
PO8 9UY

Client Details:

Mr N Lambert
Soils Ltd
Newton House
Cross Road
Tadworth
Surrey
KT20 5SR

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	7
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	8
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	11
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
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The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

soils LIMITED Geotechnical & Environmental Consultants

Summary

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Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities	pg 3		4	17	18
Non Coal Mining Areas of Great Britain	pg 6	Yes		n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
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Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 7		1	n/a	n/a
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Disturbed Ground					
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Heap, unknown constituents					
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Potentially Infilled Land (Non-Water)	pg 8		1		10
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Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 11	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	Yes		n/a	n/a
Salt Mining Related Features					

Summary

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Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Woodcroft Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162714 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	188	1	468052 112007
2	**BGS Recorded Mineral Sites** Site Name: Woodcroft Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162715 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13NW (N)	285	1	468091 112123
3	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162717 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SE (N)	324	1	468230 112163
4	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162716 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SE (N)	380	1	468195 112224
5	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162718 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	453	1	467927 112241
6	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162705 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SW (N)	641	1	467922 112445

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Eastland Gate, Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162704 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	698	1	467744 112415
8	**BGS Recorded Mineral Sites** Site Name: James'S Copse Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162712 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	718	1	468761 112249
9	**BGS Recorded Mineral Sites** Site Name: James'S Copse Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162711 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	725	1	468647 112389
10	**BGS Recorded Mineral Sites** Site Name: James'S Copse Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162708 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	771	1	468611 112476
11	**BGS Recorded Mineral Sites** Site Name: Keydell House Sand Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162713 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	865	1	468959 112195
12	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162707 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18NW (N)	868	1	467958 112691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**BGS Recorded Mineral Sites** Site Name: Lovedean Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162710 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	904	1	468867 112419
14	**BGS Recorded Mineral Sites** Site Name: Anmore Chalk Pit Location: Denmead, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162703 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NW (W)	909	1	467254 112054
15	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162706 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18NW (N)	926	1	467872 112728
16	**BGS Recorded Mineral Sites** Site Name: Soak Sand Pit Location: Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162741 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	957	1	467388 111190
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (N)	166	2	468150 112010
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (NW)	199	2	467960 111920
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NE (N)	200	2	468210 112040
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (NW)	226	2	467930 111920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (N)	261	2	468100 112100
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (N)	292	2	468050 112120
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SE (N)	333	2	468240 112170
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (NW)	343	2	467870 112050
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A13NW (NW)	351	2	467840 112020
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A18SE (N)	357	2	468200 112200
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12NE (W)	376	2	467760 111870
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A18SE (N)	377	2	468200 112220
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12SE (W)	393	2	467740 111800
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	396	2	467750 111920
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12NE (NW)	400	2	467780 112010
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	401	2	467750 111940
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	411	2	467750 111970
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	442	2	467710 111950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12NE (W)	443	2	467690 111840
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SW (NW)	444	2	467880 112200
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SW (NW)	446	2	467940 112240
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19SW (NE)	563	2	468500 112300
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A17SE (NW)	566	2	467740 112240
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SW (N)	585	2	468050 112420
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19SW (NE)	627	2	468600 112300
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	638	2	467500 111900
	Natural Cavities Cavity Type: Sinkhole x 6 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19SW (NE)	663	2	468620 112330
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NW (N)	675	2	468150 112520
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	756	2	468200 112600
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	776	2	468210 112620
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19NW (NE)	785	2	468600 112500
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	807	2	468220 112650

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	808	2	468230 112650
	Natural Cavities Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	815	2	468160 112660
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	826	2	468300 112660
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	886	2	468400 112700
	Natural Cavities Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A14NE (E)	886	2	469040 112000
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group Superficial Geology Detail: No Details	A18NW (N)	891	2	467900 112700
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	956	2	468200 112800
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Extractive Industries or Potential Excavations from 1950-1980** Use: Unspecified Pit First Map Published Date: 1953 Last Map Published Date: N/A	A13NW (NW)	65	-	468074 111850

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Mineral Railway** Use: Not Supplied Date of Mapping: 1933	A7NW (SW)	945	-	467405 111188
19	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A13NW (N)	146	-	468086 111977
20	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A13NW (N)	284	-	468091 112122
21	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A18SE (N)	326	-	468225 112166
22	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A18SE (N)	374	-	468192 112218
23	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A18SW (NW)	455	-	467924 112241
24	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A18SW (N)	646	-	467919 112449
25	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1910	A19SW (NE)	652	-	468636 112299
26	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A17SE (NW)	697	-	467746 112416
27	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A19SW (NE)	718	-	468762 112248
28	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A19SW (NE)	727	-	468646 112392
29	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A19SW (NE)	768	-	468604 112478
30	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A18NW (N)	844	-	467970 112669
31	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A19SE (NE)	862	-	468958 112189
32	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A19SE (NE)	891	-	468850 112419
33	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880 - 1897	A12NW (W)	896	-	467274 112072
34	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1880	A18NW (N)	926	-	467873 112729
35	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1933	A7NW (SW)	929	-	467425 111189
36	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (N)	146	-	468086 111977
37	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	652	-	468636 112299
38	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	697	-	467746 112416

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	718	-	468762 112248
40	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	727	-	468646 112392
41	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	768	-	468604 112478
42	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	862	-	468958 112189
43	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	896	-	467274 112072
44	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NW (N)	926	-	467873 112729
45	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NW (SW)	929	-	467425 111189
46	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NE (SE)	976	-	468894 111141
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A13SW (SW)	298	-	468023 111510
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A12SE (W)	379	-	467758 111762
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1897	A12NE (W)	452	-	467700 111951
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8NE (S)	480	-	468194 111308
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14NW (E)	544	-	468693 111988
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14NW (E)	559	-	468718 111941
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8NE (SE)	561	-	468460 111312
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9NW (SE)	582	-	468521 111328
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9NW (SE)	620	-	468518 111279
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8NW (S)	659	-	468001 111140
57	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A7NE (SW)	669	-	467635 111343
58	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14NE (E)	674	-	468832 111961
59	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1933	A8SE (S)	732	-	468280 111064

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SW (S)	755	-	468063 111034
61	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SW (S)	767	-	468066 111022
62	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8SE (S)	789	-	468201 110998
63	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SW (S)	800	-	468074 110987
64	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14SE (E)	850	-	469017 111802
65	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1897	A12NW (W)	869	-	467264 111825
66	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A7NW (SW)	873	-	467375 111361
67	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14SE (E)	926	-	469092 111793
68	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8SW (S)	949	-	467932 110858
69	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A3NW (S)	992	-	468062 110796

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
70	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
71	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	210	1	468044 112028
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
72	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
73	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	468150 111829
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
74	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SU6811	1953
Ordnance Survey Plan	SU6712	1965
Ordnance Survey Plan	SU6812	1965
Ordnance Survey Plan	SU6711	1966

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Hampshire & Isle Of Wight	068_00	1880
Hampshire & Isle Of Wight	068_NW	1897
Hampshire & Isle Of Wight	068_SW	1897
Hampshire & Isle Of Wight	068_NW	1910
Hampshire & Isle Of Wight	068_SW	1910
Hampshire & Isle Of Wight	068_NW	1933
Hampshire & Isle Of Wight	068_SW	1933
Ordnance Survey Plan	SU61SE	1962
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	SU61SE	1992

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
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
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Stantec UK Ltd** Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
-	**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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
351078152_1_1

Customer Reference:
21511/JD

National Grid Reference:
468150, 111820

Slice:
A

Site Area (Ha):
0.16

Search Buffer (m):
1000

Site Details:

Littlefold Family Resource Centre, Linnet Close
WATERLOOVILLE
PO8 9UY

Client Details:

Mr N Lambert
Soils Ltd
Newton House
Cross Road
Tadworth
Surrey
KT20 5SR

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Introduction

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

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				7
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3		1	2	1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 4				1
Water Abstractions	pg 4				(*5)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 6	1	n/a	n/a	n/a
Groundwater Vulnerability - Local Information		1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6	3	2		
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			4	3

Summary

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 8		1		
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 8	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 8		1		10
Potentially Infilled Land (Water)	pg 9			4	19
Registered Landfill Sites					
Registered Waste Transfer Sites					
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					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 11	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 12		1	4	11
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities	pg 15		4	17	18
Non Coal Mining Areas of Great Britain	pg 21	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 21		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 21	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 21	Yes	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 22		6	7	23
Fuel Station Entries	pg 25				1
Points of Interest - Commercial Services	pg 25		2		7
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 25			3	2
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Points of Interest - Recreational and Environmental	pg 26		6	2	1
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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 28			1	2
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 28	2			
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	0	1	468152 111815
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	51	1	468100 111750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	115	1	468100 111950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	142	1	468050 111950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	192	1	468350 111750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	205	1	468152 112050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	257	1	468200 112100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	302	1	468350 111550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	302	1	468400 111600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	364	1	468300 111450
1	**Discharge Consents** Operator: Mrs Margaret Watson Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1 & 2 Shrover Hall Anmore Lane, Waterlooville, ., Hampshire, Po7 6hn Authority: Environment Agency, Southern Region Catchment Area: Wallington Reference: Npswqd008630 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Gw Via Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	715	2	467504 112164
1	**Discharge Consents** Operator: Mrs Margaret Watson Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 1 & 2 Shrover Hall Anmore Lane, Waterlooville, ., Hampshire, Po7 6hn Authority: Environment Agency, Southern Region Catchment Area: Wallington Reference: Npswqd008630 Permit Version: 1 Effective Date: 5th August 2009 Issued Date: 5th August 2009 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Gw Via Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	715	2	467504 112164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Mrs Valerie Brown Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Shrover Hall Anmore Lane, Denmeade, ., Hampshire, Po7 6hn Authority: Environment Agency, Southern Region Catchment Area: Wallington Reference: Npswqd008629 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Gw Via Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12NW (NW)	748	2	467450 112126
2	**Discharge Consents** Operator: Mrs Valerie Brown Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Shrover Hall Anmore Lane, Denmeade, ., Hampshire, Po7 6hn Authority: Environment Agency, Southern Region Catchment Area: Wallington Reference: Npswqd008629 Permit Version: 1 Effective Date: 5th August 2009 Issued Date: 5th August 2009 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Gw Via Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12NW (NW)	748	2	467450 112126
3	**Discharge Consents** Operator: Mr Ben Trimmer Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 184 Anmore Road, Denmean, Waterlooville, Hampshire, Po7 6hw Authority: Environment Agency, Southern Region Catchment Area: Wallington Reference: Npswqd006990 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Ground Waters, Via A Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	872	2	467262 111867
3	**Discharge Consents** Operator: Mr Ben Trimmer Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 184 Anmore Road, Denmean, Waterlooville, Hampshire, Po7 6hw Authority: Environment Agency, Southern Region Catchment Area: Wallington Reference: Npswqd006990 Permit Version: 1 Effective Date: 20th May 2009 Issued Date: 20th May 2009 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Ground Waters, Via A Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	872	2	467262 111867

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Cmdr. P Coward Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Stanley Cottage Anmore Road Stanley Cottage, Anmore Road, Denmead, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N03026 Permit Version: 1 Effective Date: 9th April 1976 Issued Date: 9th April 1976 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	914	2	467220 111870
4	**Local Authority Pollution Prevention and Controls** Name: Anchor Service StationBp Location: 325 Milton Road, Cowplain, WATERLOOVILLE, Hampshire, PO8 8LH Authority: Havant Borough Council, Environmental Health Department Permit Reference: Epa1/15/98 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A14NW (E)	662	3	468825 111932
	Nearest Surface Water Feature	A13NW (NW)	106	-	468051 111896
5	**Pollution Incidents to Controlled Waters** Property Type: Road Location: COWPLAIN Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: Petrol Washed To Drains After Road Traffic Accident Incident Date: 1st June 1993 Incident Reference: 702 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Water Company STW Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	191	2	468200 111600
6	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Riders Lane, LEIGH PARK Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: Petrol On Stream; Miscellaneous Premises: Unknown Incident Date: 16th May 1994 Incident Reference: 1264 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	A8NE (S)	389	2	468200 111400
7	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Sparrow Close, Wecock Farm Estate, COWPLAIN Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: 10 Litres Of Petrol Into Surface Water Drain Incident Date: 14th April 1993 Incident Reference: 591 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	A14SW (E)	489	2	468650 111750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: LOVEDEAN, Hampshire Authority: Environment Agency, Southern Region Pollutant: Oils - Tars/Bitumen Note: Petrol Spill From Pump; Industrial: Other Incident Date: 26th March 1995 Incident Reference: 1758 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	A17NE (NW)	831	2	467800 112600
	River Quality Name: Sheepwash Trib GQA Grade: River Quality C Reach: Wallington Conf - B2150 Estimated Distance (km): 5.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SE (S)	752	2	468295 111047
9	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 16th October 2008 Incident Reference: 629163 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Pesticides And Biocides	A18SW (NW)	656	2	467846 112428
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 11/42/33.1/1 Permit Version: 102 Location: Point A At Lovedean Pumping Station. Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th July 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1494	2	468396 113321
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 11/42/33.1/1 Permit Version: 102 Location: Point B At Lovedean Pumping Station. Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th July 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1495	2	468395 113323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 11/42/33.1/1 Permit Version: 101 Location: Point A At Lovedean Pumping Station. Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Abstraction Site Located By Point Marked A On Licence Map. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1503	2	468400 113330
	Water Abstractions Operator: Portsmouth Water Co Licence Number: 11/42/33.1/1 Permit Version: 100 Location: Point A At Lovedean Pumping Station. Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Abstraction Site Located By Point Marked A On Licence Map. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NE (N)	1503	2	468400 113330
	Water Abstractions Operator: Winchester College Licence Number: 11/42/33.2/3 Permit Version: 100 Location: Denmead Farm, Denmead Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1785	2	466600 112740
	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: High	A13NW (N)	0	4	468150 111829

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive 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: High	A13NE (NE)	0	4	468152 111815
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13NE (NE)	0	4	468152 111815
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	468152 111815
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	468152 111815
10	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NE (NE)	0	2	468152 111815
11	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A13NE (NE)	0	2	468152 111815
12	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (NE)	0	2	468152 111815
13	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A13SE (S)	188	2	468152 111597
14	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone of Special Interest: Zones outside the normal catchment area where potential polluting activities and known local conditions could affect the groundwater source.	A13SE (S)	188	2	468152 111597
	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				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 135.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NW (S)	330	5	468135 111455
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NE (S)	395	5	468258 111404
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A8NE (S)	399	5	468263 111401
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 288.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A12SE (W)	486	5	467671 111648
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A9NW (SE)	747	5	468783 111371
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A12SW (SW)	751	5	467445 111497
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 354.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: East Hampshire Primacy: 1	A12SW (SW)	754	5	467442 111494

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Historical Landfill Sites** Licence Holder: F F F Plant Hire Company Limited Location: Lovedean, Chalton, Waterlooville, Hampshire Name: Woodcroft Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20817 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 13/5, FHA1	A13NW (N)	140	2	468097 111975
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	3	468152 111815
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	468152 111815
	Local Authority Landfill Coverage Name: Winchester City Council - Has supplied landfill data		109	7	468032 111860
	Local Authority Landfill Coverage Name: East Hampshire District Council - Has no landfill data to supply		269	8	468012 112078
23	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13NW (N)	146	-	468086 111977
24	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	652	-	468636 112299
25	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A17SE (NW)	697	-	467746 112416
26	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	718	-	468762 112248
27	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	727	-	468646 112392
28	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SW (NE)	768	-	468604 112478
29	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	862	-	468958 112189
30	**Potentially Infilled Land (Non-Water)** Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12NW (W)	896	-	467274 112072
31	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A18NW (N)	926	-	467873 112729
32	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7NW (SW)	929	-	467425 111189

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NE (SE)	976	-	468894 111141
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A13SW (SW)	298	-	468023 111510
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A12SE (W)	379	-	467758 111762
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1897	A12NE (W)	452	-	467700 111951
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8NE (S)	480	-	468194 111308
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14NW (E)	544	-	468693 111988
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14NW (E)	559	-	468718 111941
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8NE (SE)	561	-	468460 111312
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9NW (SE)	582	-	468521 111328
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9NW (SE)	620	-	468518 111279
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8NW (S)	659	-	468001 111140
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A7NE (SW)	669	-	467635 111343
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14NE (E)	674	-	468832 111961
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1933	A8SE (S)	732	-	468280 111064
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SW (S)	755	-	468063 111034
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SW (S)	767	-	468066 111022
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8SE (S)	789	-	468201 110998
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SW (S)	800	-	468074 110987
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14SE (E)	850	-	469017 111802
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1897	A12NW (W)	869	-	467264 111825

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A7NW (SW)	873	-	467375 111361
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14SE (E)	926	-	469092 111793
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A8SW (S)	949	-	467932 110858
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A3NW (S)	992	-	468062 110796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lambeth Group	A13NE (NE)	0	1	468152 111815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	0	1	468152 111815
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	141	1	468092 111974
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	329	1	468410 111571
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	443	1	468500 111500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A17SE (NW)	562	1	467797 112286
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	566	1	468397 111272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	598	1	467719 112264
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A14SW (E)	607	1	468768 111745
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	681	1	468500 111196
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	706	1	468858 111666
57	**BGS Recorded Mineral Sites** Site Name: Woodcroft Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162714 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	188	1	468052 112007
58	**BGS Recorded Mineral Sites** Site Name: Woodcroft Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162715 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13NW (N)	285	1	468091 112123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162717 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SE (N)	324	1	468230 112163
60	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162716 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SE (N)	380	1	468195 112224
61	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162718 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	453	1	467927 112241
62	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162705 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18SW (N)	641	1	467922 112445
63	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Eastland Gate, Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162704 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	698	1	467744 112415
64	**BGS Recorded Mineral Sites** Site Name: James'S Copse Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162712 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	718	1	468761 112249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**BGS Recorded Mineral Sites** Site Name: James'S Copse Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162711 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	725	1	468647 112389
66	**BGS Recorded Mineral Sites** Site Name: James'S Copse Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162708 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	771	1	468611 112476
67	**BGS Recorded Mineral Sites** Site Name: Keydell House Sand Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162713 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	865	1	468959 112195
68	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162707 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18NW (N)	868	1	467958 112691
69	**BGS Recorded Mineral Sites** Site Name: Lovedean Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162710 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	904	1	468867 112419
70	**BGS Recorded Mineral Sites** Site Name: Anmore Chalk Pit Location: Denmead, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162703 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A12NW (W)	909	1	467254 112054

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**BGS Recorded Mineral Sites** Site Name: Eastland Gate Chalk Pit Location: Lovedean, Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162706 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A18NW (N)	926	1	467872 112728
72	**BGS Recorded Mineral Sites** Site Name: Soak Sand Pit Location: Waterlooville, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162741 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	957	1	467388 111190
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Natural Cavities Easting: 468150 Northing: 112010 Distance: 166 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (N)	166	9	468150 112010
	Natural Cavities Easting: 467960 Northing: 111920 Distance: 199 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (NW)	199	9	467960 111920
	Natural Cavities Easting: 468210 Northing: 112040 Distance: 200 Quadrant Reference: A13 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NE (N)	200	9	468210 112040
	Natural Cavities Easting: 467930 Northing: 111920 Distance: 226 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (NW)	226	9	467930 111920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 468100 Northing: 112100 Distance: 261 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: N Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (N)	261	9	468100 112100
	Natural Cavities Easting: 468050 Northing: 112120 Distance: 292 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (N)	292	9	468050 112120
	Natural Cavities Easting: 468240 Northing: 112170 Distance: 333 Quadrant Reference: A18 Quadrant Reference: SE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SE (N)	333	9	468240 112170
	Natural Cavities Easting: 467870 Northing: 112050 Distance: 343 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A13NW (NW)	343	9	467870 112050
	Natural Cavities Easting: 467840 Northing: 112020 Distance: 351 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A13NW (NW)	351	9	467840 112020
	Natural Cavities Easting: 468200 Northing: 112200 Distance: 357 Quadrant Reference: A18 Quadrant Reference: SE Bearing Ref: N Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A18SE (N)	357	9	468200 112200
	Natural Cavities Easting: 467760 Northing: 111870 Distance: 376 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12NE (W)	376	9	467760 111870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 468200 Northing: 112220 Distance: 377 Quadrant Reference: A18 Quadrant Reference: SE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A18SE (N)	377	9	468200 112220
	Natural Cavities Easting: 467740 Northing: 111800 Distance: 393 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12SE (W)	393	9	467740 111800
	Natural Cavities Easting: 467750 Northing: 111920 Distance: 396 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	396	9	467750 111920
	Natural Cavities Easting: 467780 Northing: 112010 Distance: 400 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12NE (NW)	400	9	467780 112010
	Natural Cavities Easting: 467750 Northing: 111940 Distance: 401 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	401	9	467750 111940
	Natural Cavities Easting: 467750 Northing: 111970 Distance: 411 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	411	9	467750 111970
	Natural Cavities Easting: 467710 Northing: 111950 Distance: 442 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	442	9	467710 111950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 467690 Northing: 111840 Distance: 443 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A12NE (W)	443	9	467690 111840
	Natural Cavities Easting: 467880 Northing: 112200 Distance: 444 Quadrant Reference: A18 Quadrant Reference: SW Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SW (NW)	444	9	467880 112200
	Natural Cavities Easting: 467940 Northing: 112240 Distance: 446 Quadrant Reference: A18 Quadrant Reference: SW Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SW (NW)	446	9	467940 112240
	Natural Cavities Easting: 468500 Northing: 112300 Distance: 563 Quadrant Reference: A19 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19SW (NE)	563	9	468500 112300
	Natural Cavities Easting: 467740 Northing: 112240 Distance: 566 Quadrant Reference: A17 Quadrant Reference: SE Bearing Ref: NW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Head	A17SE (NW)	566	9	467740 112240
	Natural Cavities Easting: 468050 Northing: 112420 Distance: 585 Quadrant Reference: A18 Quadrant Reference: SW Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18SW (N)	585	9	468050 112420
	Natural Cavities Easting: 468600 Northing: 112300 Distance: 627 Quadrant Reference: A19 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19SW (NE)	627	9	468600 112300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 467500 Northing: 111900 Distance: 638 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A12NE (W)	638	9	467500 111900
	Natural Cavities Easting: 468620 Northing: 112330 Distance: 663 Quadrant Reference: A19 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Sinkhole x 6 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19SW (NE)	663	9	468620 112330
	Natural Cavities Easting: 468150 Northing: 112520 Distance: 675 Quadrant Reference: A18 Quadrant Reference: NW Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NW (N)	675	9	468150 112520
	Natural Cavities Easting: 468200 Northing: 112600 Distance: 756 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	756	9	468200 112600
	Natural Cavities Easting: 468210 Northing: 112620 Distance: 776 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	776	9	468210 112620
	Natural Cavities Easting: 468600 Northing: 112500 Distance: 785 Quadrant Reference: A19 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A19NW (NE)	785	9	468600 112500
	Natural Cavities Easting: 468220 Northing: 112650 Distance: 807 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	807	9	468220 112650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 468230 Northing: 112650 Distance: 808 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	808	9	468230 112650
	Natural Cavities Easting: 468160 Northing: 112660 Distance: 815 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	815	9	468160 112660
	Natural Cavities Easting: 468300 Northing: 112660 Distance: 826 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	826	9	468300 112660
	Natural Cavities Easting: 468400 Northing: 112700 Distance: 886 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	886	9	468400 112700
	Natural Cavities Easting: 469040 Northing: 112000 Distance: 886 Quadrant Reference: A14 Quadrant Reference: NE Bearing Ref: E Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A14NE (E)	886	9	469040 112000
	Natural Cavities Easting: 467900 Northing: 112700 Distance: 891 Quadrant Reference: A18 Quadrant Reference: NW Bearing Ref: N Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group Superficial Geology Detail: No Details	A18NW (N)	891	9	467900 112700
	Natural Cavities Easting: 468200 Northing: 112800 Distance: 956 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: No Details	A18NE (N)	956	9	468200 112800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	210	1	468044 112028
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	468150 111829
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	468152 111815

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**Contemporary Trade Directory Entries** Name: Hampshire Woodworm Location: 34, Linnet Close, Waterlooville, Hampshire, PO8 9UY Classification: Woodworm Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	27	-	468108 111803
74	**Contemporary Trade Directory Entries** Name: Hampshire Installations Ltd Location: 19, Hobby Close, WATERLOOVILLE, Hampshire, PO8 9AY Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	28	-	468196 111838
75	**Contemporary Trade Directory Entries** Name: Neil Gunner Location: 5, Kingfisher Close, Waterlooville, Hampshire, PO8 9XD Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	66	-	468133 111719
76	**Contemporary Trade Directory Entries** Name: Mah Clearances Location: 41, Hobby Close, Waterlooville, Hampshire, PO8 9AY Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	75	-	468229 111889
77	**Contemporary Trade Directory Entries** Name: Harley Clean Location: 17, Merlin Close, Waterlooville, Hampshire, PO8 9AZ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	86	-	468254 111838
78	**Contemporary Trade Directory Entries** Name: Portsmouth Metal Recycling Ltd Location: 47, Magpie Walk, Waterlooville, Hampshire, PO8 9UZ Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	156	-	468118 111630
79	**Contemporary Trade Directory Entries** Name: Advanced Power Clean Location: 17, Albretia Avenue, Waterlooville, Hampshire, PO8 8QS Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	331	-	467983 111492
79	**Contemporary Trade Directory Entries** Name: D & B Pest Control Services Location: 24, Albretia Avenue, Waterlooville, Hampshire, PO8 8QS Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	358	-	468004 111453
80	**Contemporary Trade Directory Entries** Name: Spelgraphics Location: 31, Albretia Avenue, Waterlooville, Hampshire, PO8 8QS Classification: Car Painters & Sprayers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	360	-	468083 111429
81	**Contemporary Trade Directory Entries** Name: Kenklean Location: 62, Thrush Walk, Waterlooville, Hampshire, PO8 8LX Classification: Hygiene & Cleansing Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	402	-	468482 111544
82	**Contemporary Trade Directory Entries** Name: Martin Prior Location: 1, Dove Close, WATERLOOVILLE, Hampshire, PO8 9UF Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	433	-	468598 111792
83	**Contemporary Trade Directory Entries** Name: A L Motors Location: 2, Newbolt Close, Waterlooville, Hampshire, PO8 8SS Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	452	-	468261 111345

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**Contemporary Trade Directory Entries** Name: A D L Executive Travel Location: 26, Bunting Gardens, WATERLOOVILLE, Hampshire, PO8 9UW Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	454	-	468590 111633
85	**Contemporary Trade Directory Entries** Name: C W S Contract Cleaning Location: 43, Robin Gardens, Waterlooville, Hampshire, PO8 9XE Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	503	-	467684 111568
86	**Contemporary Trade Directory Entries** Name: D B Domestic Services Location: 6, Chaplains Avenue, Waterlooville, Hampshire, PO8 8QL Classification: Washing Machines - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	517	-	467816 111380
87	**Contemporary Trade Directory Entries** Name: Universal Cleaners Location: 6, Curlew Gardens, Waterlooville, Hampshire, PO8 9UD Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	518	-	468673 111962
88	**Contemporary Trade Directory Entries** Name: Homemaids Location: 32, Renown Gardens, Waterlooville, Hampshire, PO8 9QP Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	589	-	468717 112058
89	**Contemporary Trade Directory Entries** Name: H F Bath & Sons Location: 118, Sutton Road, Waterlooville, Hampshire, PO8 8PT Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	591	-	467648 111454
90	**Contemporary Trade Directory Entries** Name: 1st 4 Mobile Mechanic F R M Autos Location: 11, Wheatsheaf Drive, Waterlooville, Hampshire, PO8 8PX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	606	-	467838 111258
91	**Contemporary Trade Directory Entries** Name: Dings 'N' Dents Paintless Dent Removal Location: 78, Longwood Avenue, Waterlooville, Hampshire, PO8 8JB Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	635	-	468661 111393
92	**Contemporary Trade Directory Entries** Name: Anchor Service Station Location: 325, Milton Road, Cowplain, Waterlooville, Hampshire, PO8 8LH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	662	-	468825 111932
93	**Contemporary Trade Directory Entries** Name: Atos Location: 11, Rimington Road, WATERLOOVILLE, Hampshire, PO8 8UA Classification: Hydraulic Systems & Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	690	-	468456 111163
94	**Contemporary Trade Directory Entries** Name: 3c Wheelchair & Seating Service Location: 331, Milton Road, Cowplain, Waterlooville, PO8 8LH Classification: Disability Equipment - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	696	-	468846 111998
95	**Contemporary Trade Directory Entries** Name: Emily'S Maintenance Services Ltd Location: 57, Chaplains Avenue, Waterlooville, PO8 8QH Classification: Road Construction Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	710	-	467607 111313

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	**Contemporary Trade Directory Entries** Name: Snobz Corsets Location: 87, Sutton Road, Waterlooville, PO8 8PT Classification: Lingerie & Hosiery Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	785	-	467528 111290
97	**Contemporary Trade Directory Entries** Name: Richmond Transport Ltd Location: 42, Buckland Close, Waterlooville, Hampshire, PO7 6EF Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	795	-	467898 111027
98	**Contemporary Trade Directory Entries** Name: Lovedean Hardware Ltd Location: 6, Frogmore Lane, Waterlooville, Hampshire, PO8 9QQ Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	818	-	468902 112207
98	**Contemporary Trade Directory Entries** Name: Amberleigh Cleaning Services Ltd Location: 6, Frogmore Lane, Waterlooville, PO8 9QQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	818	-	468902 112207
98	**Contemporary Trade Directory Entries** Name: Cursor Designs Location: 8, Frogmore Lane, Waterlooville, Hampshire, PO8 9QQ Classification: Printed Circuit Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	829	-	468906 112224
99	**Contemporary Trade Directory Entries** Name: Roger Trise Location: 35, Sutton Road, Waterlooville, Hampshire, PO8 8PU Classification: Bookbinding & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	841	-	467629 111115
100	**Contemporary Trade Directory Entries** Name: Local Ironing Service Location: 36, Pyle Close, Waterlooville, Hampshire, PO8 8JN Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	872	-	469037 111779
101	**Contemporary Trade Directory Entries** Name: Les Gems Location: 17, Fairbourne Close, WATERLOOVILLE, Hampshire, PO8 8RL Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	883	-	468320 110918
102	**Contemporary Trade Directory Entries** Name: Nationwide Cleaners (West Hampshire) Location: 6, Hartwood Gardens, Waterlooville, Hampshire, PO8 8RA Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (S)	894	-	468492 110956
103	**Contemporary Trade Directory Entries** Name: Hampshire Pest Clear Location: 1, Lynwood Avenue, Waterlooville, Hampshire, PO8 8PZ Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	925	-	467564 111060
104	**Contemporary Trade Directory Entries** Name: Electramech Ltd Location: 6, Glenwood Gardens, Waterlooville, Hampshire, PO8 8TN Classification: Industrial Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	937	-	468681 111007
105	**Contemporary Trade Directory Entries** Name: Auto Tune Location: 30, Passingham Walk, Waterlooville, Hampshire, PO8 8JH Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	981	-	469147 111907

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	**Fuel Station Entries** Name: Anchor Service Station Location: 325, Milton Road , Cowplain , Waterlooville, Hampshire, PO8 8LH Brand: Bp Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A14NW (E)	662	-	468825 111932
107	**Points of Interest - Commercial Services** Name: Hampshire Woodworm Location: 34 Linnet Close, Waterlooville, PO8 9UY Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13SW (W)	27	10	468107 111803
108	**Points of Interest - Commercial Services** Name: Portsmouth Metal Recycling Ltd Location: 47 Magpie Walk, Waterlooville, PO8 9UZ Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13SW (S)	156	10	468118 111630
109	**Points of Interest - Commercial Services** Name: Diamond Shine Valeting Services Location: 36 Blackbird Close, Waterlooville, PO8 9UA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (E)	584	10	468745 111935
110	**Points of Interest - Commercial Services** Name: H F Bath & Sons Location: 118 Sutton Road, Waterlooville, PO8 8PT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	591	10	467648 111454
110	**Points of Interest - Commercial Services** Name: H F Bath & Sons Location: 118 Sutton Road, Waterlooville, PO8 8PT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	591	10	467648 111454
111	**Points of Interest - Commercial Services** Name: Dings 'n' Dents Paintless Dent Removal Location: 78 Longwood Avenue, Waterlooville, PO8 8JB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	635	10	468660 111393
112	**Points of Interest - Commercial Services** Name: Hampshire Pest Clear Location: 1 Lynwood Avenue, Waterlooville, PO8 8PZ Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A7SE (SW)	925	10	467564 111060
113	**Points of Interest - Commercial Services** Name: Auto Tune Location: 30 Passingham Walk, Waterlooville, PO8 8JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	981	10	469147 111907
113	**Points of Interest - Commercial Services** Name: Auto Tune Location: 30 Passingham Walk, Waterlooville, PO8 8JH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	981	10	469147 111907
114	**Points of Interest - Manufacturing and Production** Name: Workings (Dis) Location: PO8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	280	10	468093 112118
115	**Points of Interest - Manufacturing and Production** Name: Workings (Dis) Location: PO8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	354	10	468232 112193

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	**Points of Interest - Manufacturing and Production** Name: Workings (Dis) Location: PO8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	453	10	467922 112238
117	**Points of Interest - Manufacturing and Production** Name: Works Location: PO7 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	666	10	467532 112108
118	**Points of Interest - Manufacturing and Production** Name: Workings (Dis) Location: PO8 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	867	10	467952 112689
119	**Points of Interest - Public Infrastructure** Name: Mah Clearances Location: 41 Hobby Close, Waterlooville, PO8 9AY Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13NE (NE)	75	10	468229 111889
119	**Points of Interest - Public Infrastructure** Name: M A H Clearances Location: 41 Hobby Close, Waterlooville, PO8 9AY Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13NE (NE)	75	10	468229 111889
120	**Points of Interest - Recreational and Environmental** Name: Play Ground Location: Hobby Close, PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	99	10	468237 111916
120	**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	A13NE (NE)	105	10	468245 111917
120	**Points of Interest - Recreational and Environmental** Name: Play Area Location: PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	131	10	468296 111873
120	**Points of Interest - Recreational and Environmental** Name: Skatepark Location: PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	170	10	468305 111946
121	**Points of Interest - Recreational and Environmental** Name: Play Area Location: PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	109	10	468268 111762
122	**Points of Interest - Recreational and Environmental** Name: Play Area Location: PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	176	10	468149 112020
123	**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	A13NE (NE)	260	10	468372 112006

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	**Points of Interest - Recreational and Environmental** Name: Play Area Location: PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	363	10	468460 111580
125	**Points of Interest - Recreational and Environmental** Name: Play Area Location: PO8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	784	10	468946 111745

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	**Ancient Woodland** Name: Jamess Copse Reference: 1490474 Area(m²): 52848.72 Type: Plantation on Ancient Woodland	A18SE (NE)	482	11	468389 112274
127	**Ancient Woodland** Name: Long Wood Reference: 1490509 Area(m²): 10816.92 Type: Ancient and Semi-Natural Woodland	A14SE (E)	738	11	468867 111569
128	**Ancient Woodland** Name: Not Supplied Reference: 1490471 Area(m²): 16885.48 Type: Ancient and Semi-Natural Woodland	A14SE (E)	780	11	468946 111790
129	**Nitrate Vulnerable Zones** Name: Hampshire Chalk Description: Groundwater Source: Environment Agency, Head Office	A13NE (NE)	0	4	468152 111815
130	**Nitrate Vulnerable Zones** Name: Chichester,Langstone And Portsmouth Harbours Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	A13NE (NE)	0	4	468152 111815

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	November 2023	Annually
Portsmouth City Council - Health and Trading Standards	October 2017	Annual Rolling Update
Chichester District Council - Environmental Health Department	September 2017	Annual Rolling Update
East Hampshire District Council - Environmental Health Department	September 2017	Annual Rolling Update
Havant Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Winchester City Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	April 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	October 2023	Quarterly
Environment Agency - Southern Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Portsmouth City Council - Environmental Health Department	August 2014	Variable
East Hampshire District Council - Environmental Health Department	December 2014	Variable
Winchester City Council - Environmental Health Department	December 2014	Variable
Havant Borough Council - Environmental Health Department	December 2015	Variable
Chichester District Council - Environmental Health Department	October 2014	Variable
Local Authority Pollution Prevention and Controls		
Portsmouth City Council - Environmental Health Department	August 2014	Not Applicable
East Hampshire District Council - Environmental Health Department	December 2014	Annual Rolling Update
Havant Borough Council - Environmental Health Department	December 2015	Annual Rolling Update
Winchester City Council - Environmental Health Department	December 2020	Annual Rolling Update
Chichester District Council - Environmental Health Department	October 2014	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Portsmouth City Council - Environmental Health Department	August 2014	Variable
East Hampshire District Council - Environmental Health Department	December 2014	Variable
Winchester City Council - Environmental Health Department	December 2014	Variable
Havant Borough Council - Environmental Health Department	December 2015	Variable
Chichester District Council - Environmental Health Department	October 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	April 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 - Southern Region	May 2023	As notified
Environment Agency - Head Office	May 2023	Quarterly
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	

Data Currency

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register		
Environment Agency - South East Region - Solent & South Downs Area	April 2024	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	April 2024	Quarterly
Environment Agency - Southern Region - Solent and South Downs	April 2024	Quarterly
Environment Agency - Southern Region - Sussex Area	April 2024	Quarterly
Water Abstractions		
Environment Agency - Southern Region	April 2024	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk		
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
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	April 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

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	May 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	May 2024	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	May 2024	Quarterly
Environment Agency - Southern Region - Solent and South Downs	May 2024	Quarterly
Environment Agency - Southern Region - Sussex Area	May 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Solent & South Downs Area	January 2023	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	January 2023	Quarterly
Environment Agency - Southern Region - Solent and South Downs	January 2023	Quarterly
Environment Agency - Southern Region - Sussex Area	January 2023	Quarterly
Local Authority Landfill Coverage		
Chichester District Council - Environmental Health Department	February 2003	Not Applicable
East Hampshire District Council	February 2003	Not Applicable
Hampshire County Council - Minerals and Waste Planning	February 2003	Not Applicable
Havant Borough Council - Environmental Health Department	February 2003	Not Applicable
Portsmouth City Council - Environmental Health Department	February 2003	Not Applicable
West Sussex County Council - Environment & Development	February 2003	Not Applicable
Winchester City Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Chichester District Council - Environmental Health Department	October 2018	
East Hampshire District Council	October 2018	
Hampshire County Council - Minerals and Waste Planning	October 2018	
Havant Borough Council - Environmental Health Department	October 2018	
Portsmouth City Council - Environmental Health Department	October 2018	
West Sussex County Council - Environment & Development	October 2018	
Winchester City Council - Environmental Health Department	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 - Hampshire Area	March 2006	Not Applicable
Environment Agency - Southern Region - Solent and South Downs	March 2006	Not Applicable
Environment Agency - Southern Region - Sussex Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Hampshire Area	April 2018	
Environment Agency - Southern Region - Solent and South Downs	April 2018	
Environment Agency - Southern Region - Sussex Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Hampshire Area	June 2015	
Environment Agency - Southern Region - Solent and South Downs	June 2015	
Environment Agency - Southern Region - Sussex Area	June 2015	

Data Currency

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 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		
Chichester District Council - Planning Department	April 2023	Variable
Havant Borough Council - Commercial Team	August 2023	Variable
Portsmouth City Council - Planning Office	February 2016	Variable
Hampshire County Council - Minerals and Waste Planning	July 2023	Variable
Winchester City Council - Planning Department	June 2023	Variable
East Hampshire District Council	May 2023	Variable
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Planning Hazardous Substance Consents		
Chichester District Council - Planning Department	February 2016	Variable
East Hampshire District Council	February 2016	Variable
Hampshire County Council - Minerals and Waste Planning	February 2016	Variable
Havant Borough Council - Commercial Team	February 2016	Variable
Portsmouth City Council - Planning Office	February 2016	Variable
West Sussex County Council - Environment & Development	October 2006	Annual Rolling Update
Winchester City Council - Planning Department	October 2015	Variable

Data Currency

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

Data Currency

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

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt		
Chichester District Council	February 2024	Quarterly
East Hampshire District Council	February 2024	Quarterly
Havant Borough Council - Commercial Team	February 2024	Quarterly
Portsmouth City Council - Planning Office	February 2024	Quarterly
South Downs National Park	February 2024	Quarterly
Winchester City Council	February 2024	Quarterly
Areas of Unadopted Green Belt		
Chichester District Council	February 2024	Quarterly
East Hampshire District Council	February 2024	Quarterly
Havant Borough Council - Commercial Team	February 2024	Quarterly
Portsmouth City Council - Planning Office	February 2024	Quarterly
South Downs National Park	February 2024	Quarterly
Winchester City Council	February 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	February 2024	Bi-Annually
Marine Nature Reserves		
Natural England	February 2024	Bi-Annually
National Nature Reserves		
Natural England	February 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)	April 2016	
Environment Agency - Head Office	April 2024	Bi-Annually
Ramsar Sites		
Natural England	February 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

Data Suppliers

A selection of organisations who provide data within this report

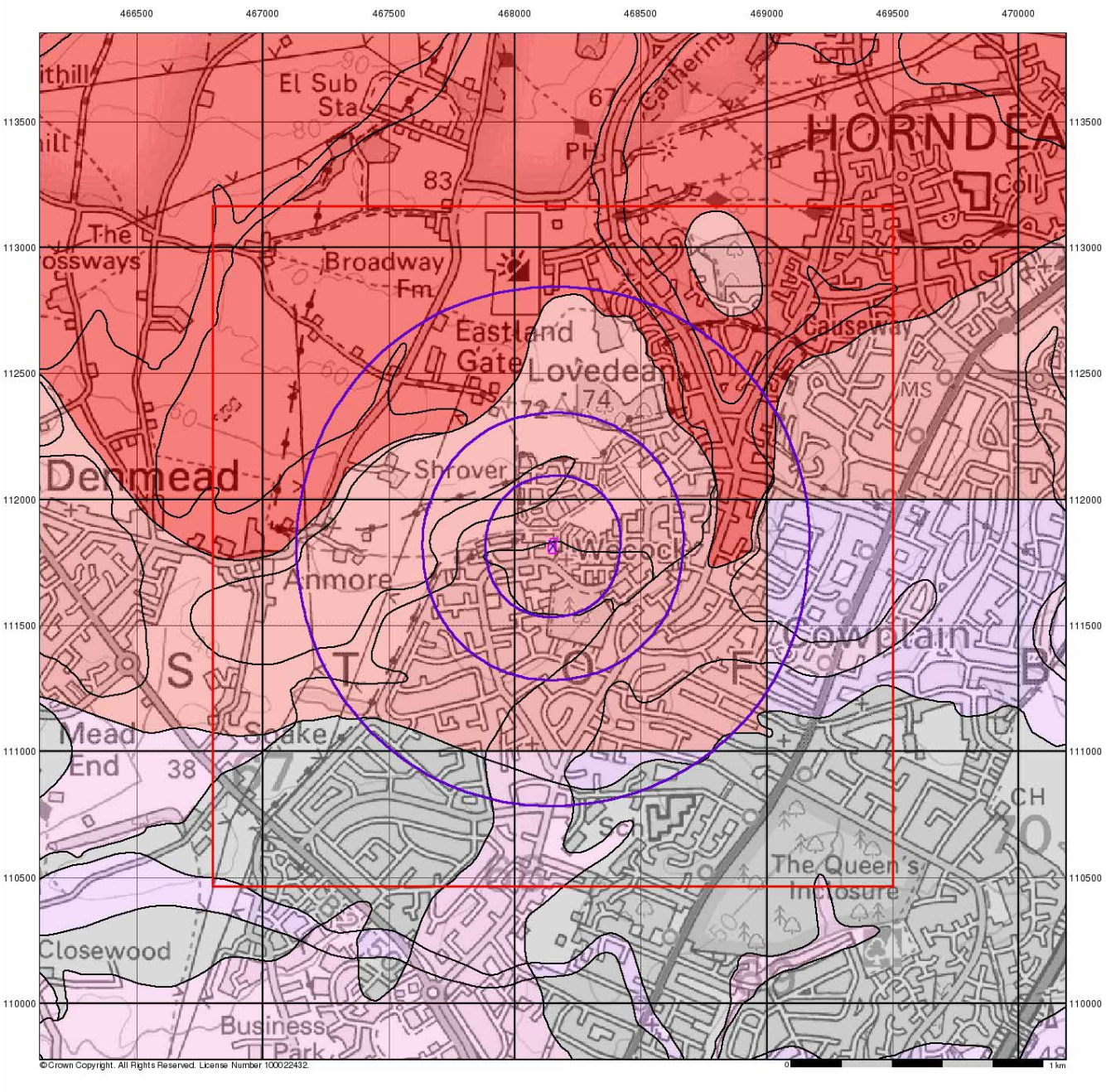
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Havant Borough Council - Environmental Health Department** Public Service PLaza, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 023 9244 6677 Email: env.services@havant.gov.uk Website: www.havant.gov.uk
4	**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	**Hampshire County Council - Minerals and Waste Planning** Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
7	**Winchester City Council - Environmental Health Department** City Offices, Colebrook Street, Winchester, Hampshire, SO23 9LJ	Telephone: 01962 848519 Fax: 01962 849101 Website: www.winchester.gov.uk
8	**East Hampshire District Council** Penns Place, Petersfield, Hampshire, GU31 4EX	Telephone: 01730 266551 Fax: 01730 267366 Website: www.easthants.gov.uk
9	**Stantec UK Ltd** Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
10	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
11	**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.

Appendix D Site Sensitivity Maps



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Groundwater Vulnerability

General

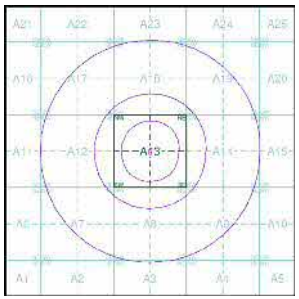
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

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

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



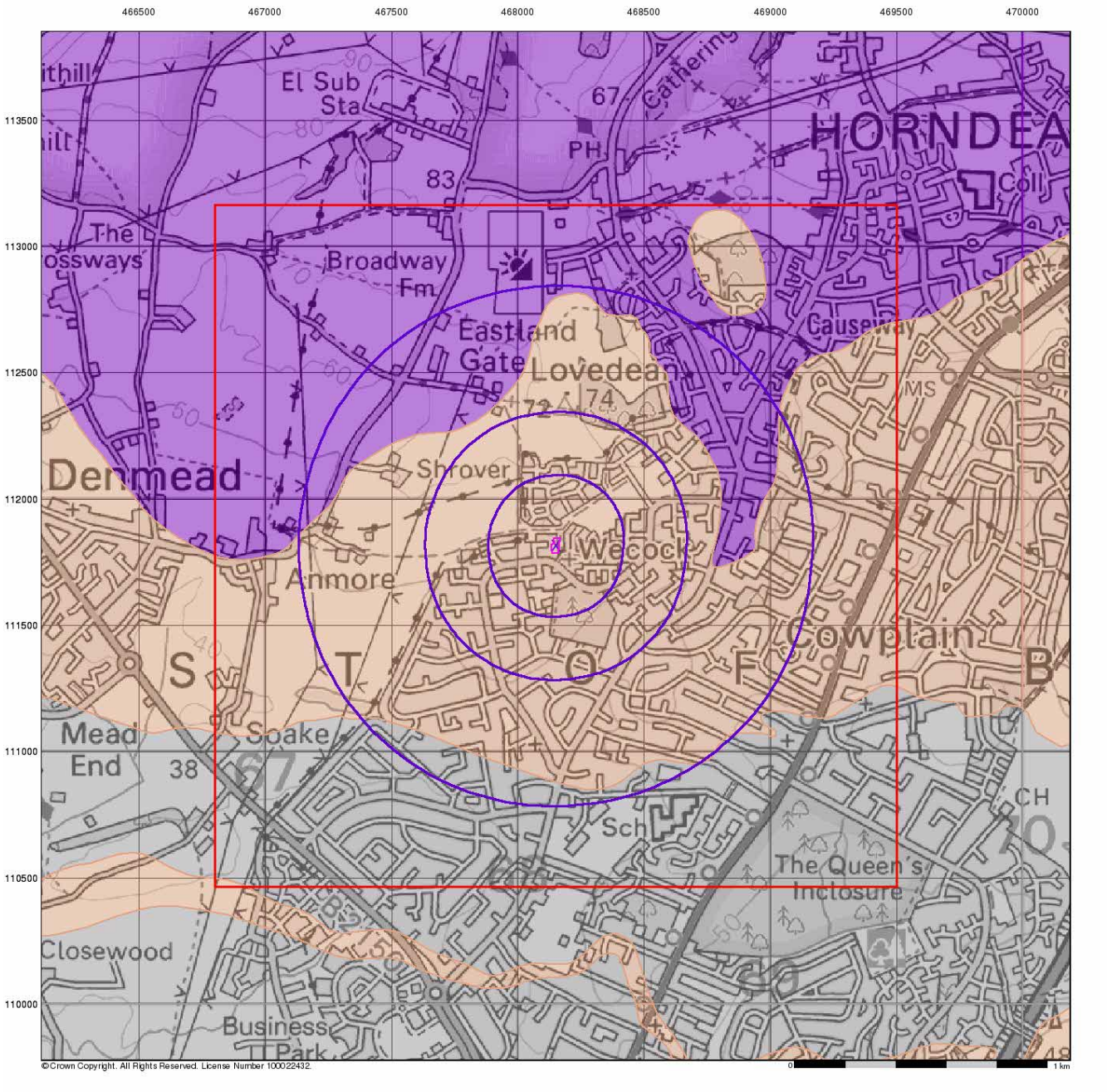
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Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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



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Bedrock Aquifer Designation

General

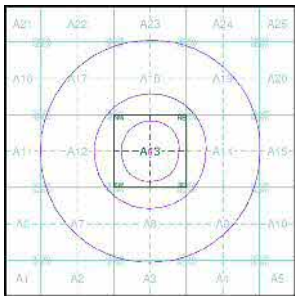
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



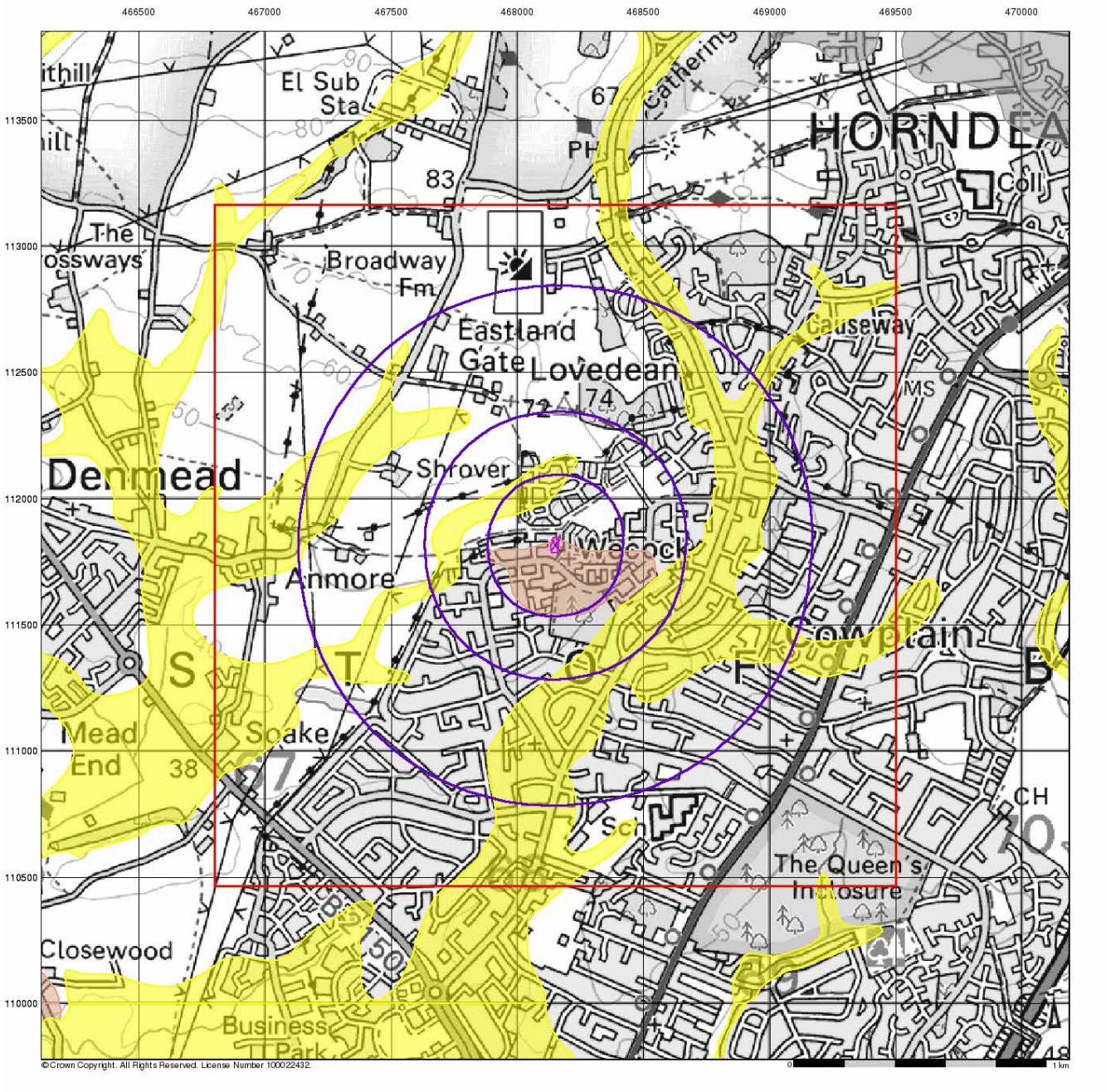
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Site Area (Ha):	0.16
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Superficial Aquifer Designation

General

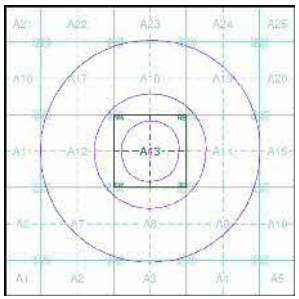
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



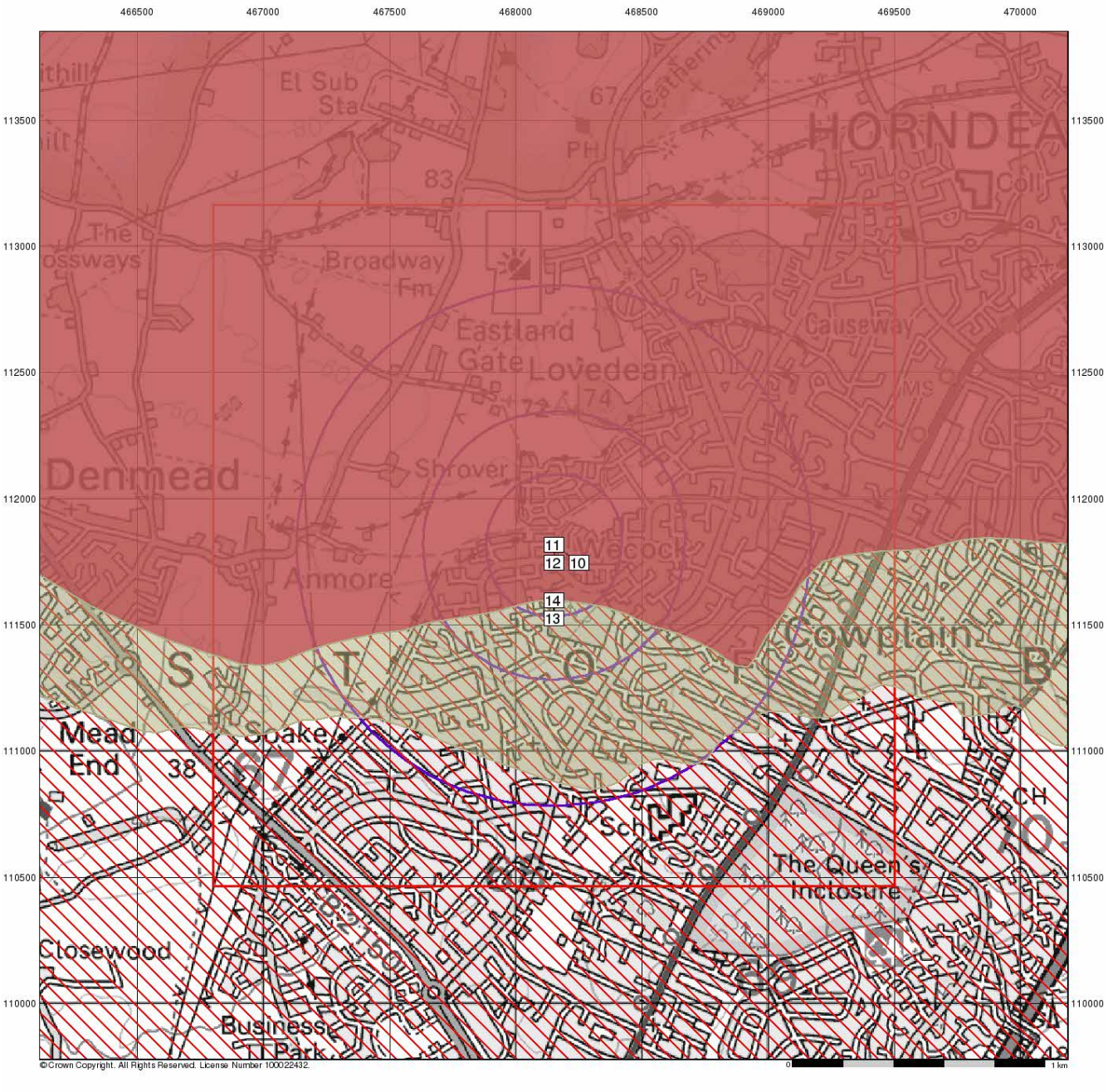
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National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

Landmark INFORMATION GROUP
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Source Protection Zones

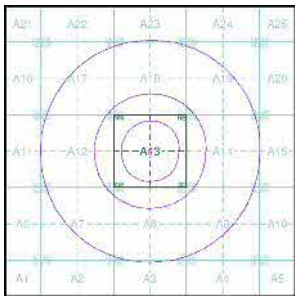
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



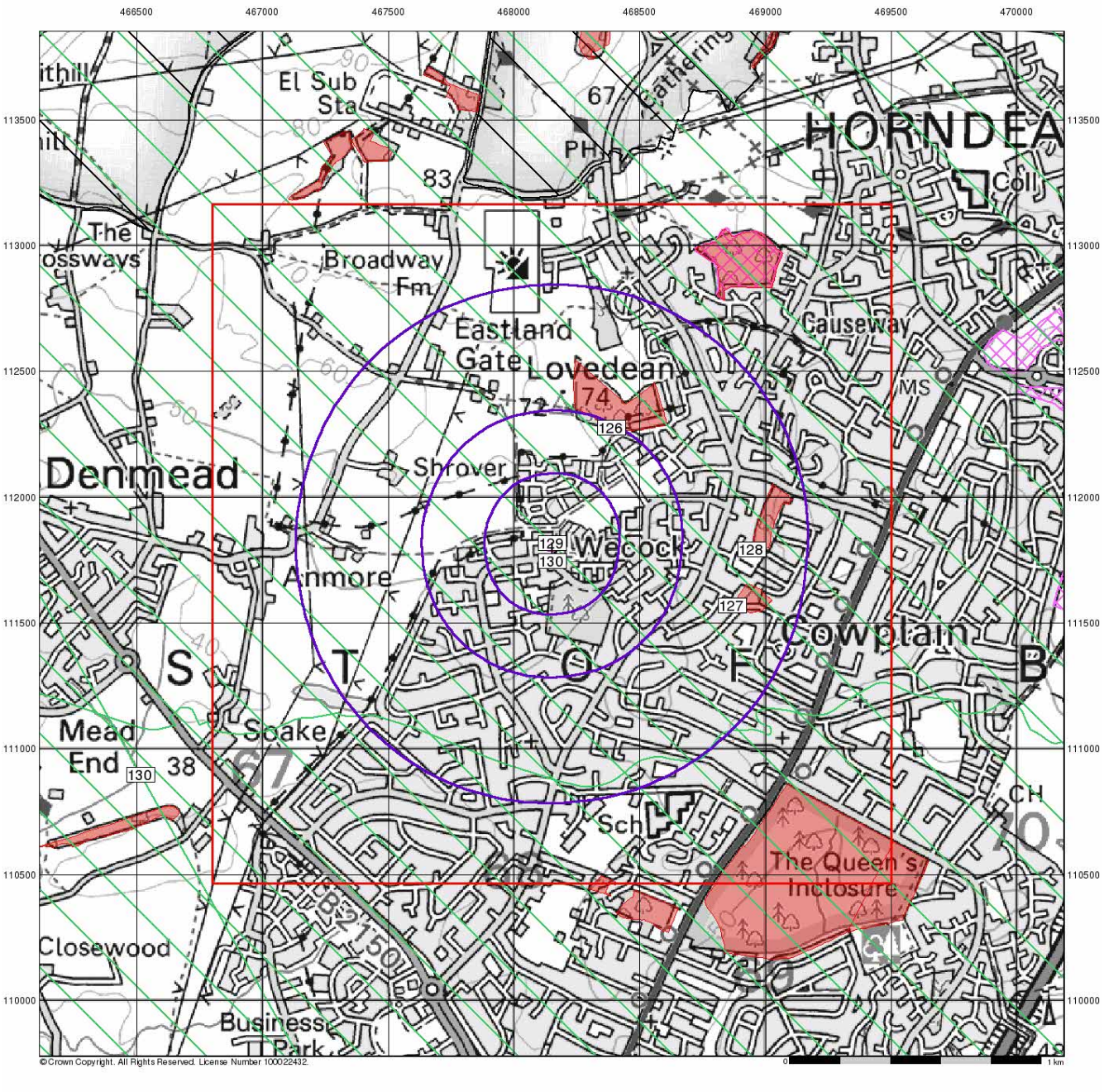
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Order Number:	351078152_1_1
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National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

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Sensitive Land Uses

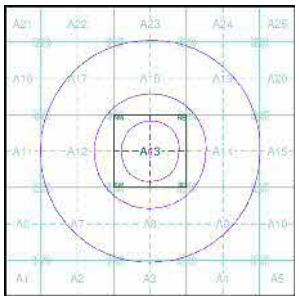
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



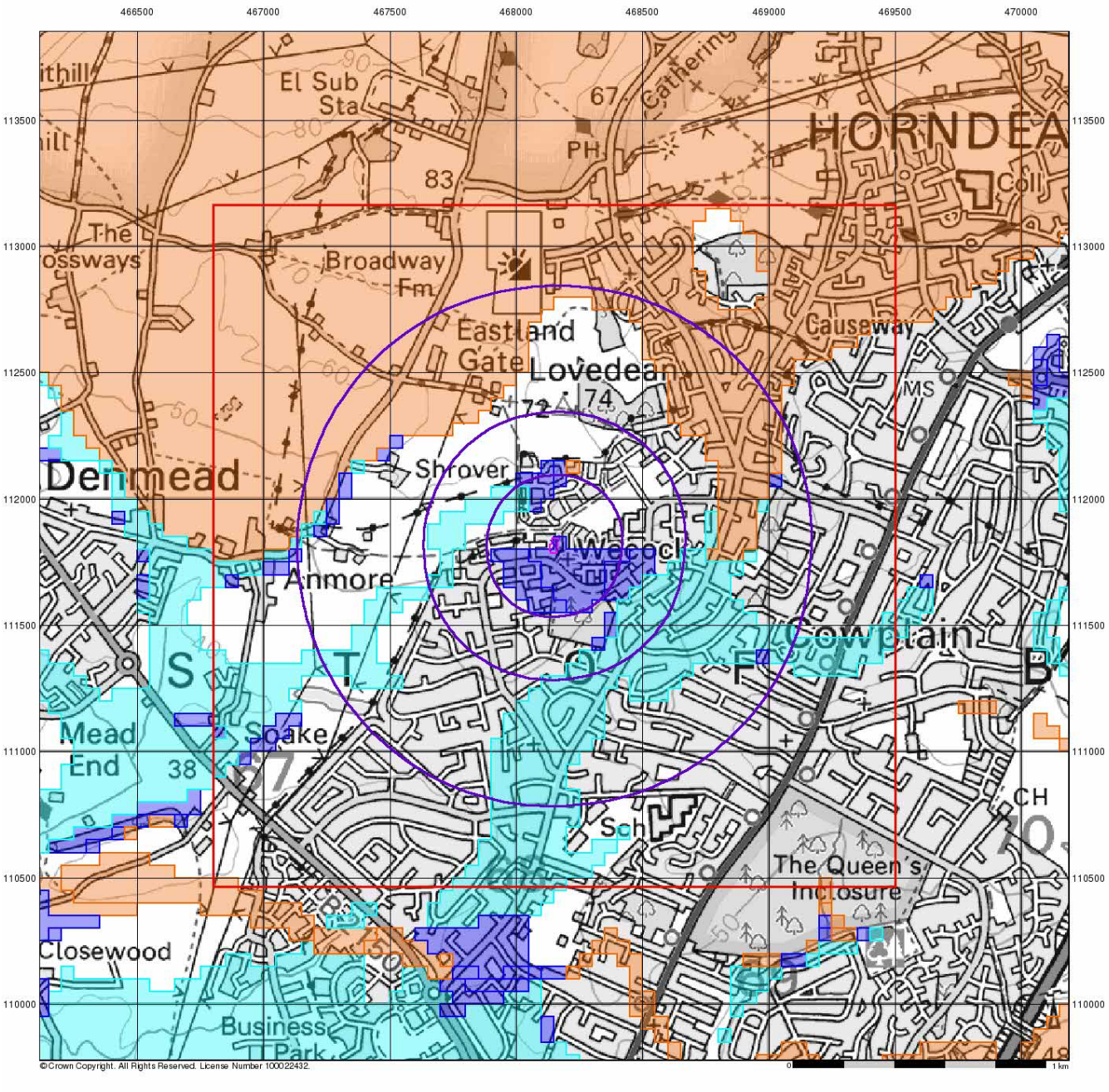
Order Details

Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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Web: www.envirocheck.co.uk



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BGS Flood GFS Data

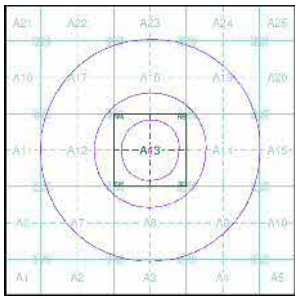
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



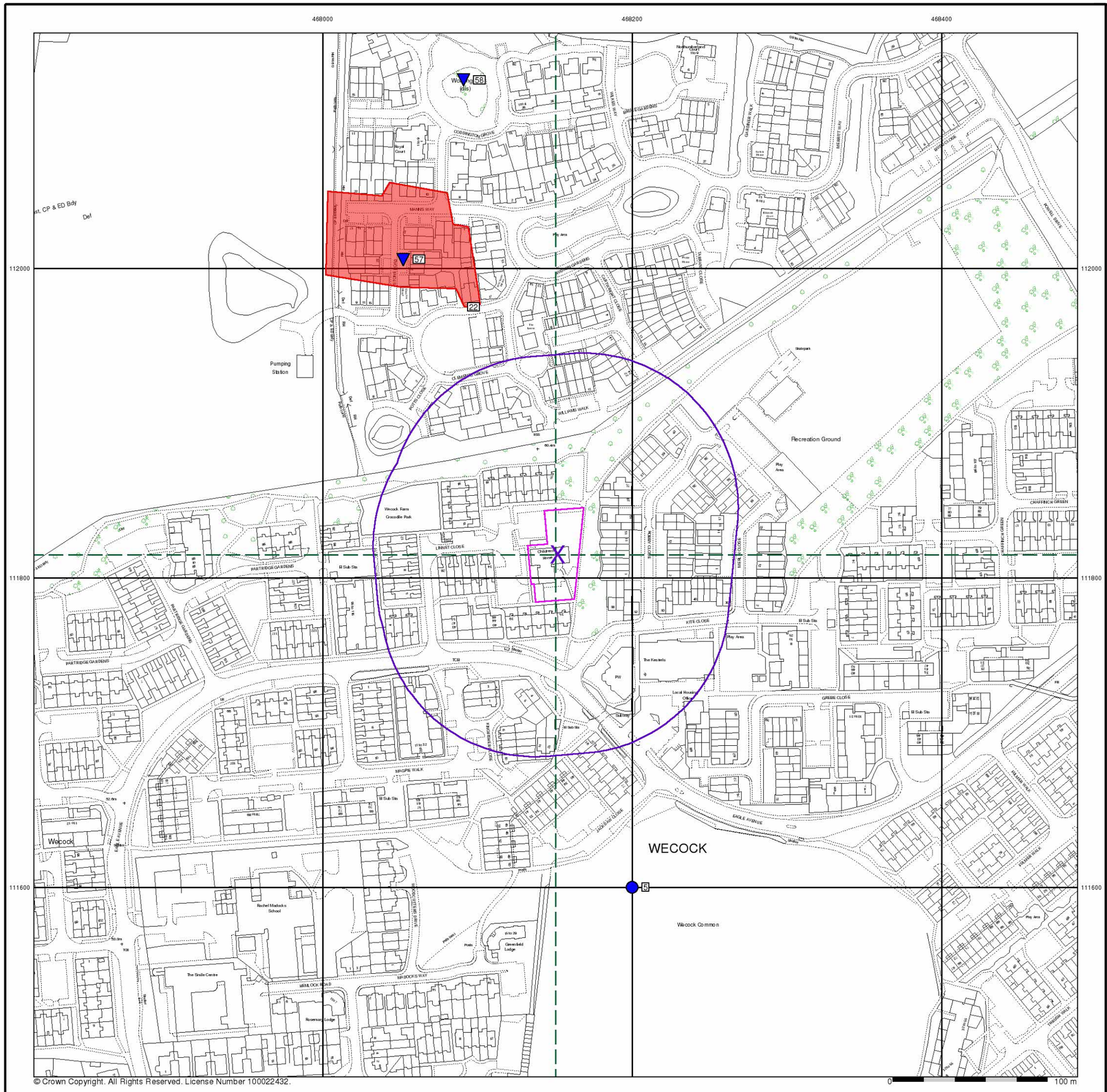
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General

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

Agency and Hydrological

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

Hazardous Substances

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

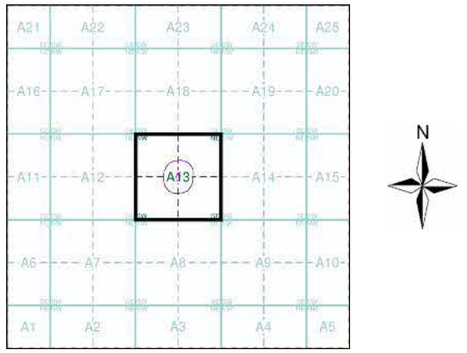
Waste

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



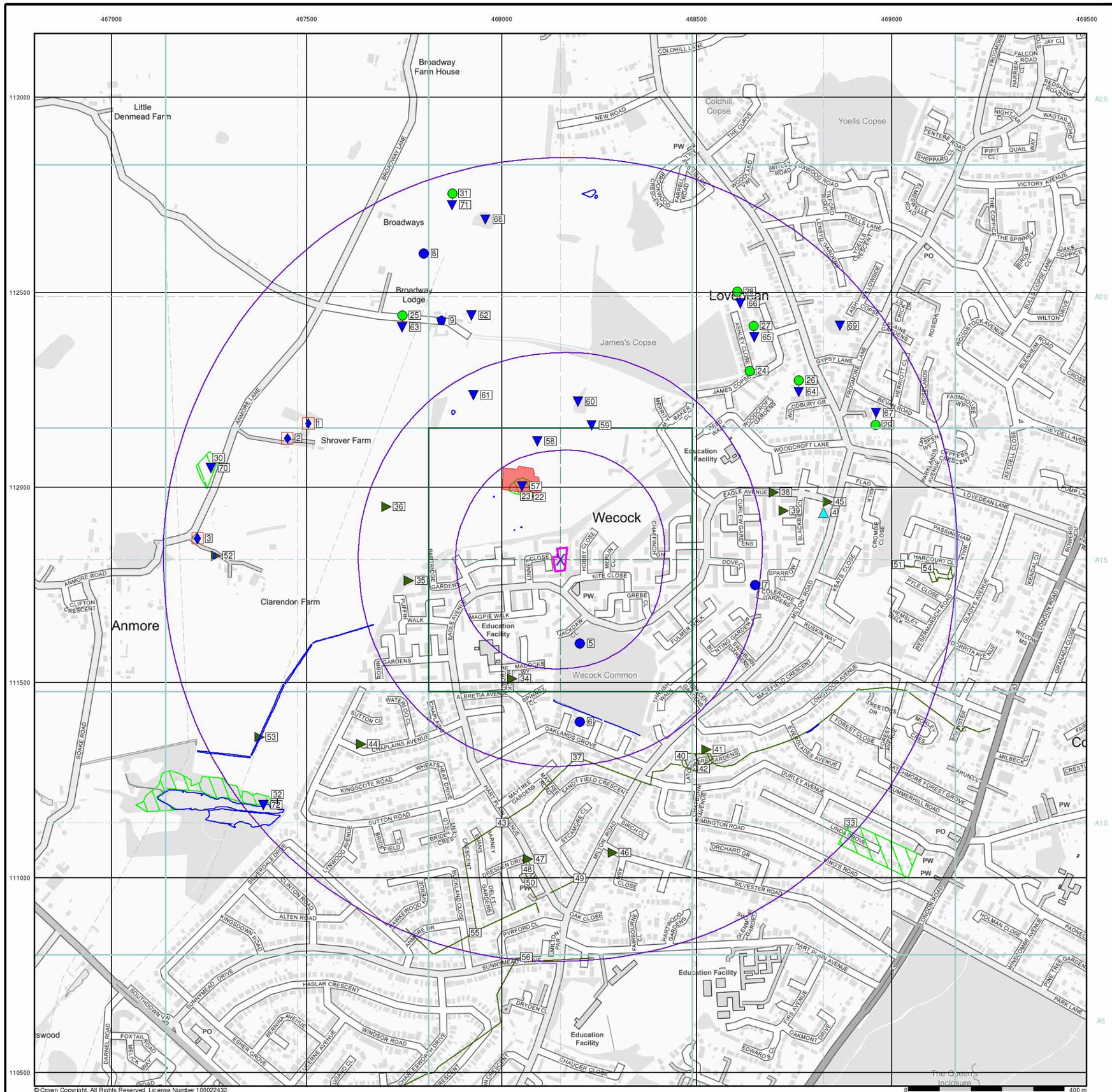
Order Details

Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Plot Buffer (m):	100

Site Details

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General

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

Agency and Hydrological

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

Hazardous Substances

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- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

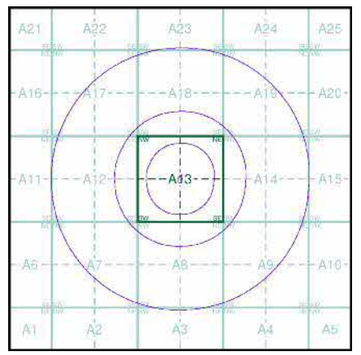
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
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- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

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Slice:	A
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Industrial Land Use Map

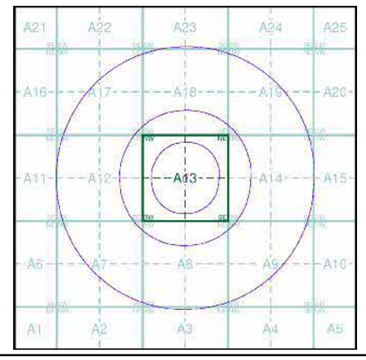
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



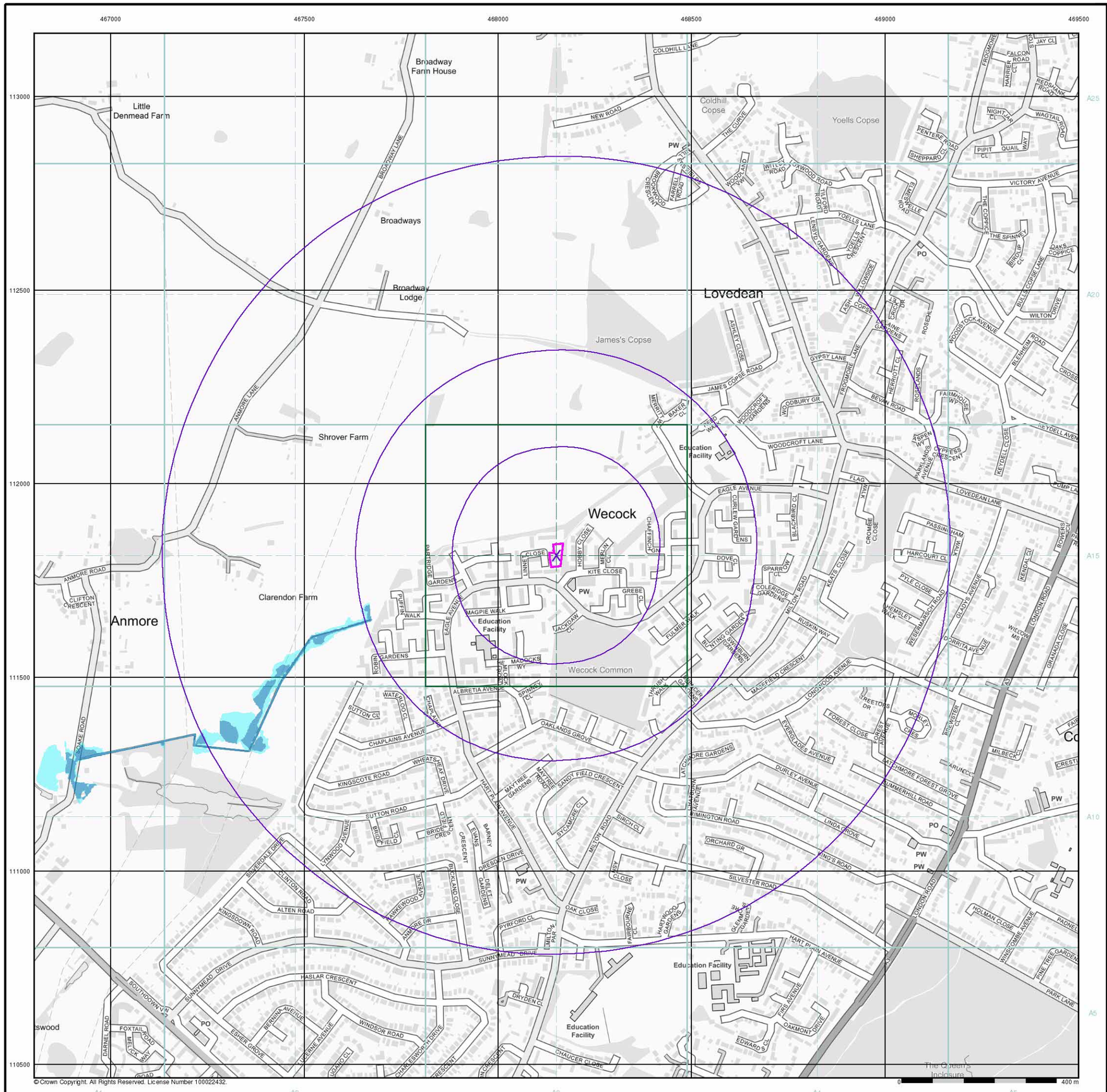
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Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

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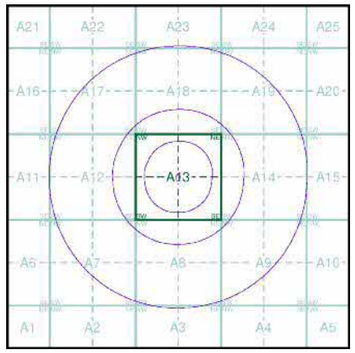
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



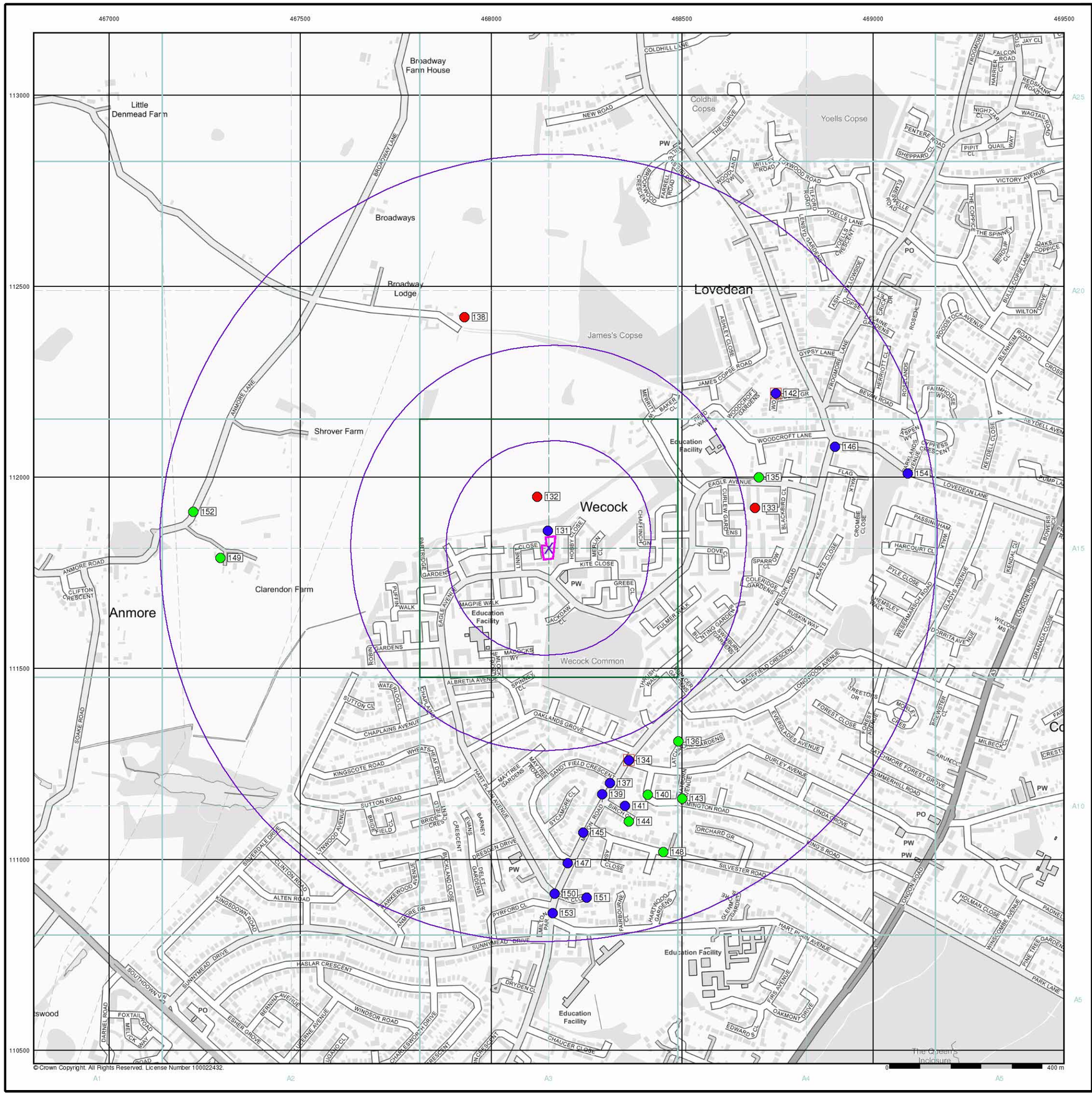
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General

- Specified Site
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- Bearing Reference Point
- Map ID
- Several of Type at Location

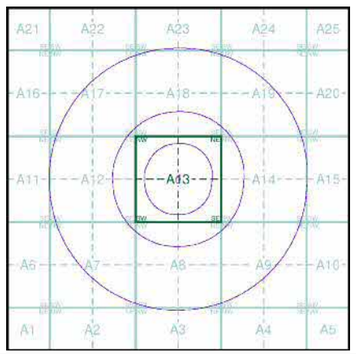
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



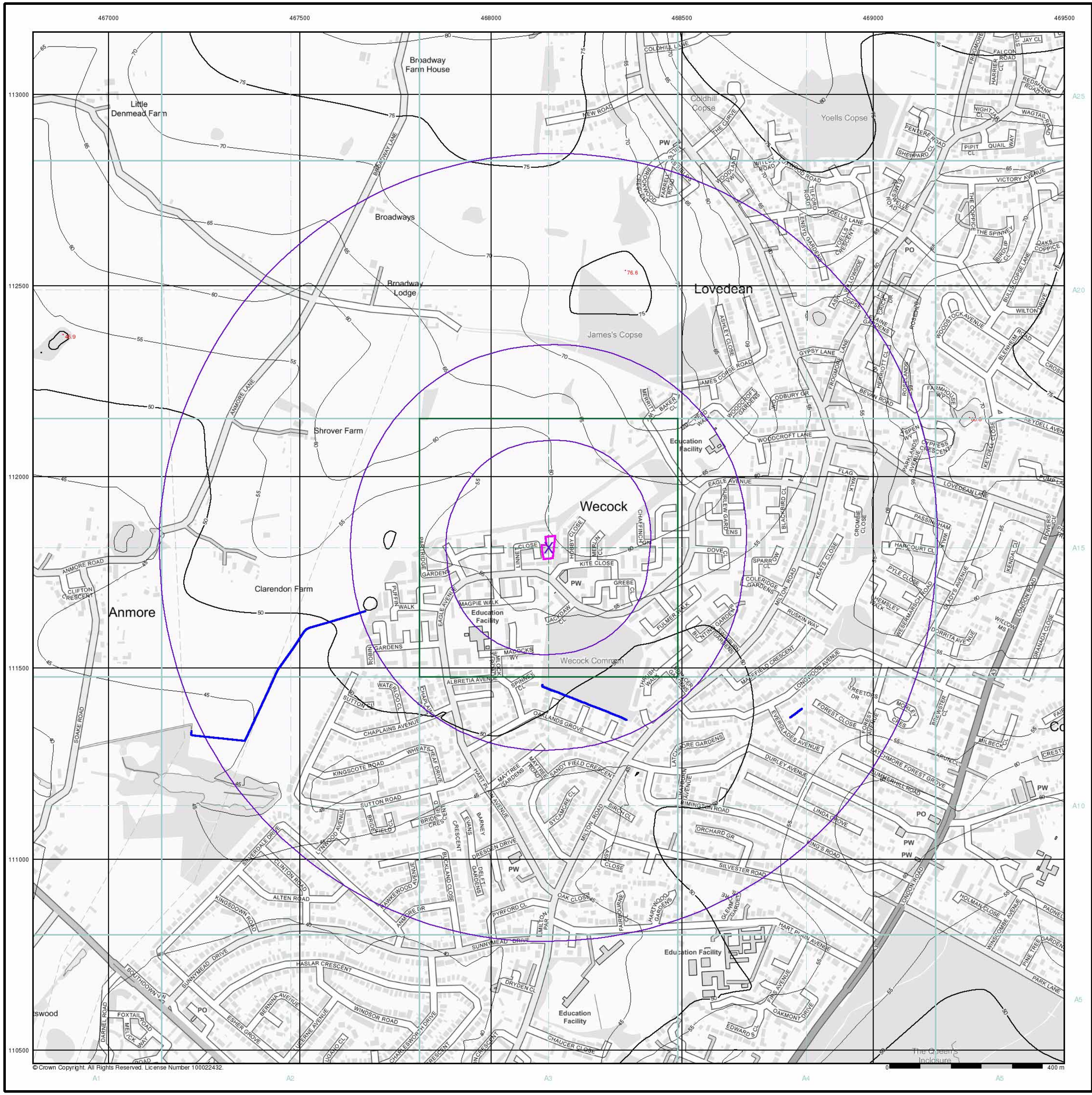
Order Details

Order Number:	351078152_1_1
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General

Specified Site
Specified Buffer(s)
X Bearing Reference Point

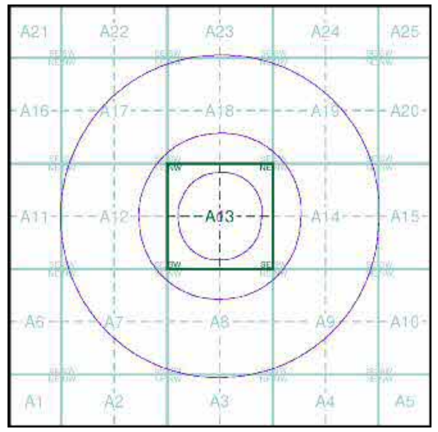
OS Water Network Data

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
Master Contour 100 95
Spot Height 167.3
MLW Mean Low Water
MHW Mean High Water

OS Water Network Map - Slice A



N

Order Details

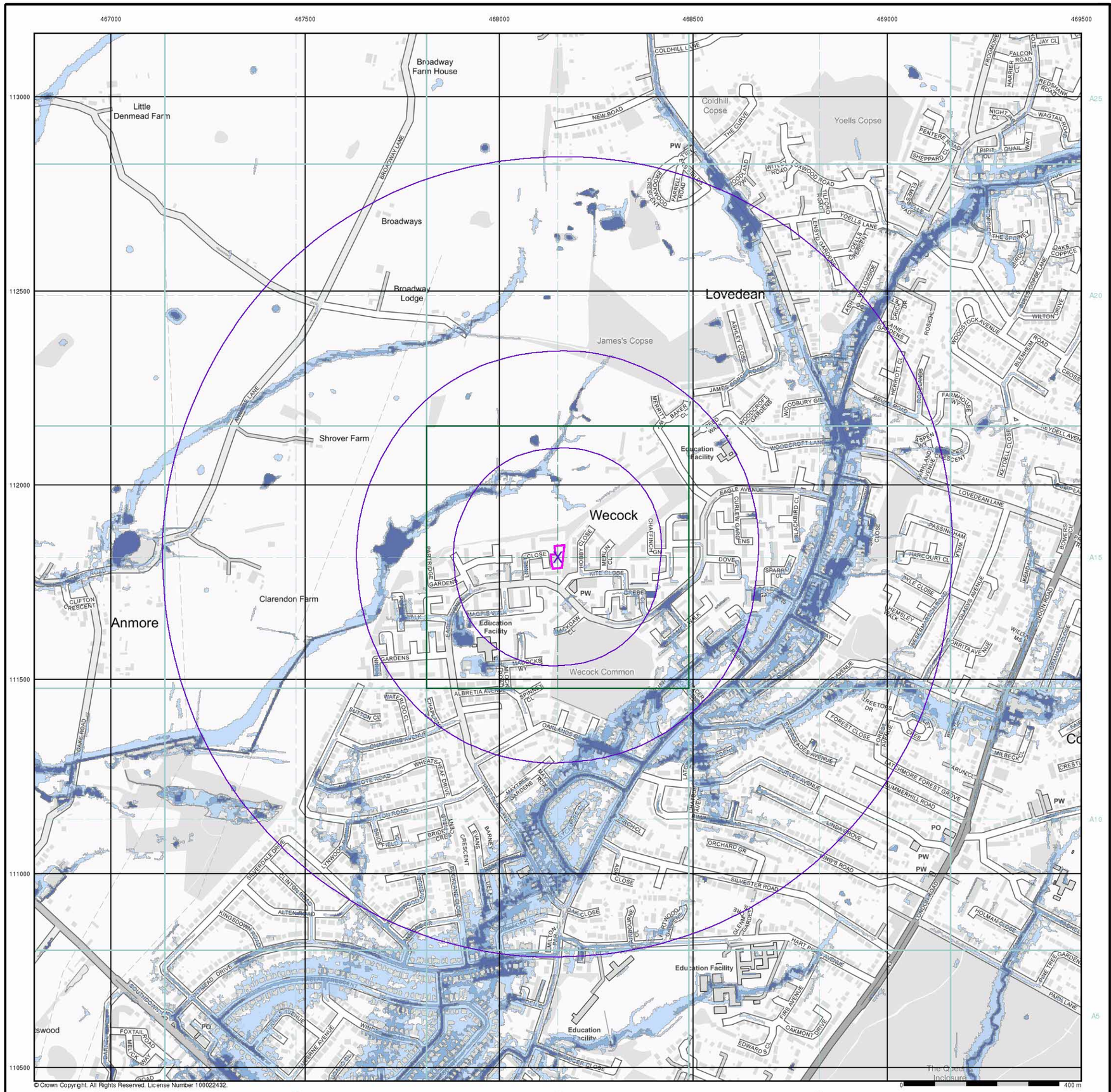
Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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General

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

Risk of Flooding from Surface Water

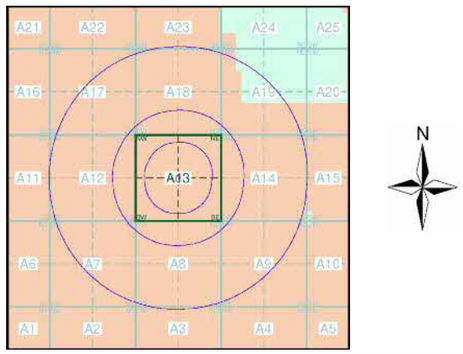
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



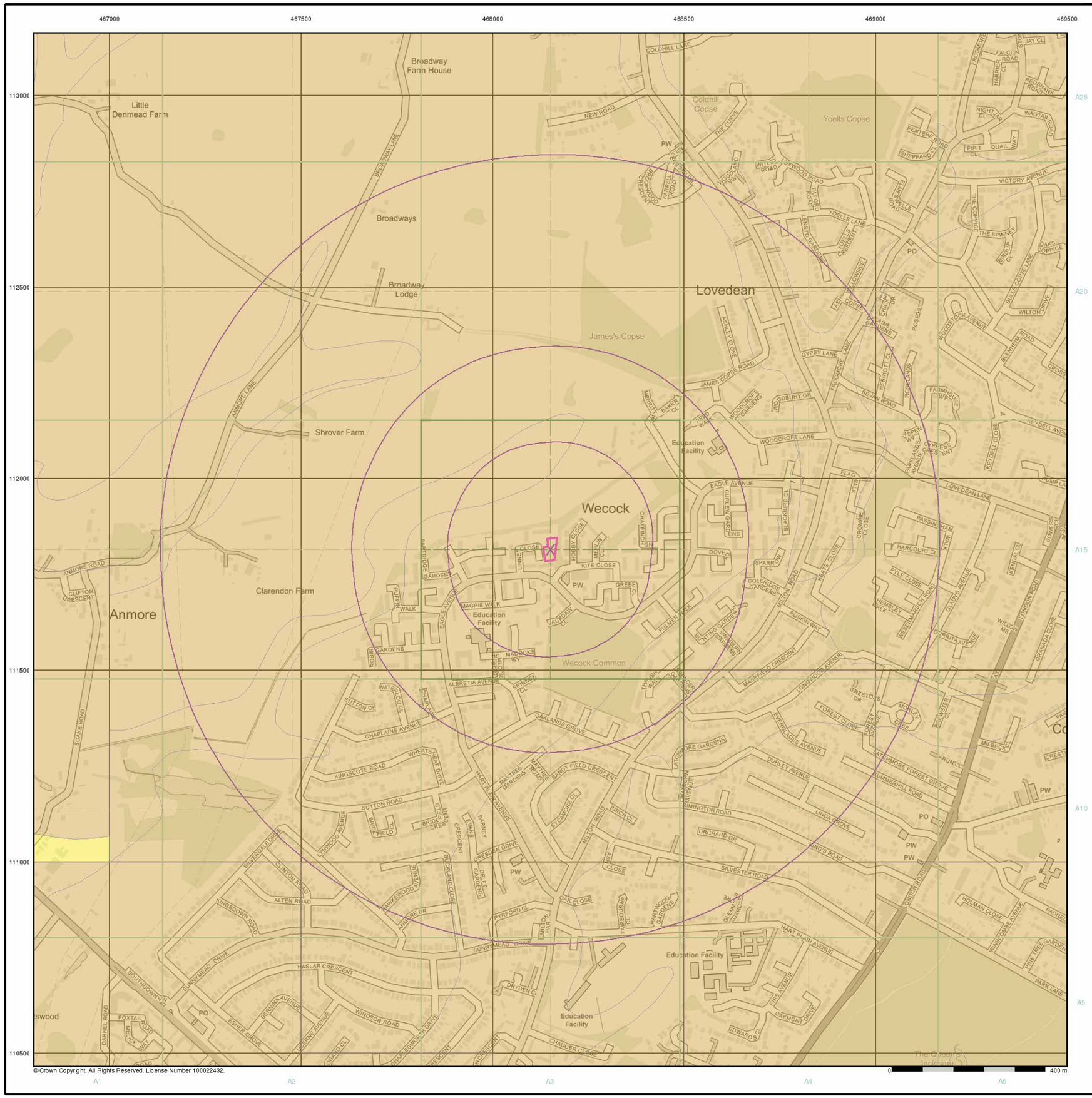
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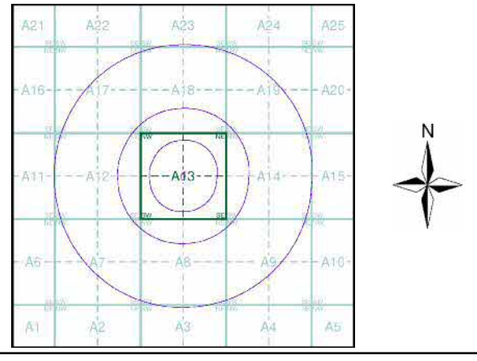
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



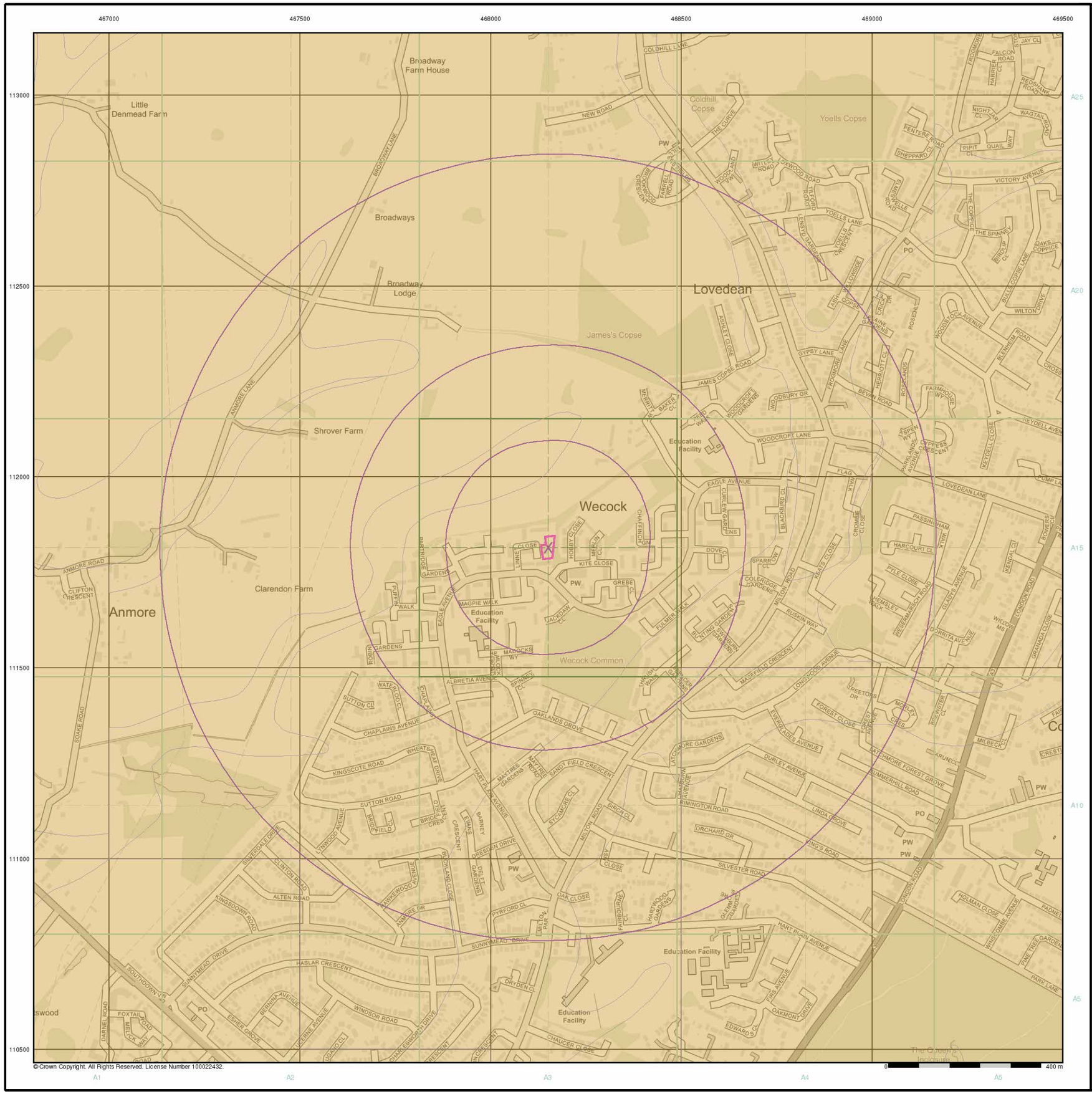
Order Details

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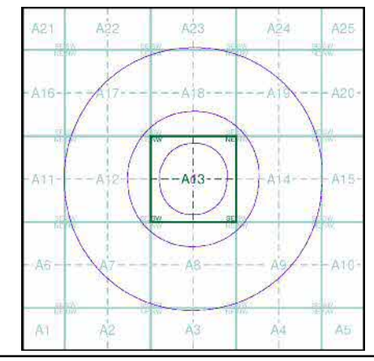
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



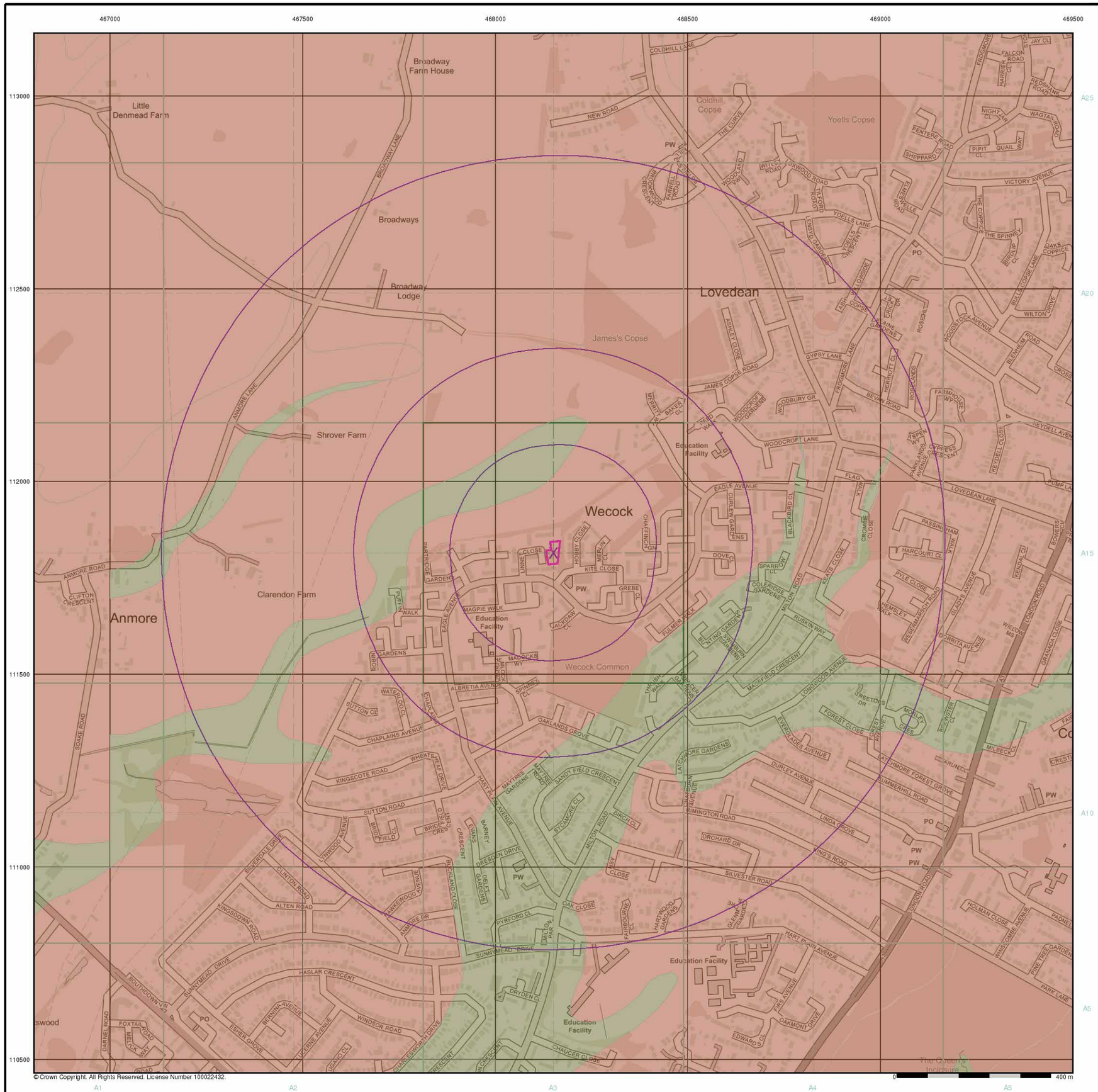
Order Details

Order Details:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111820
Slice:	A
Site Area (Ha):	0.16
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General

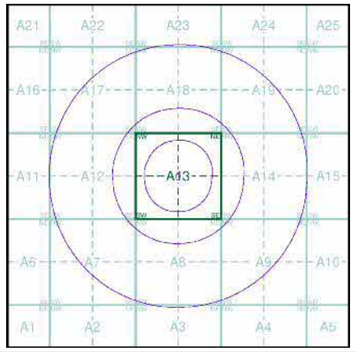
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



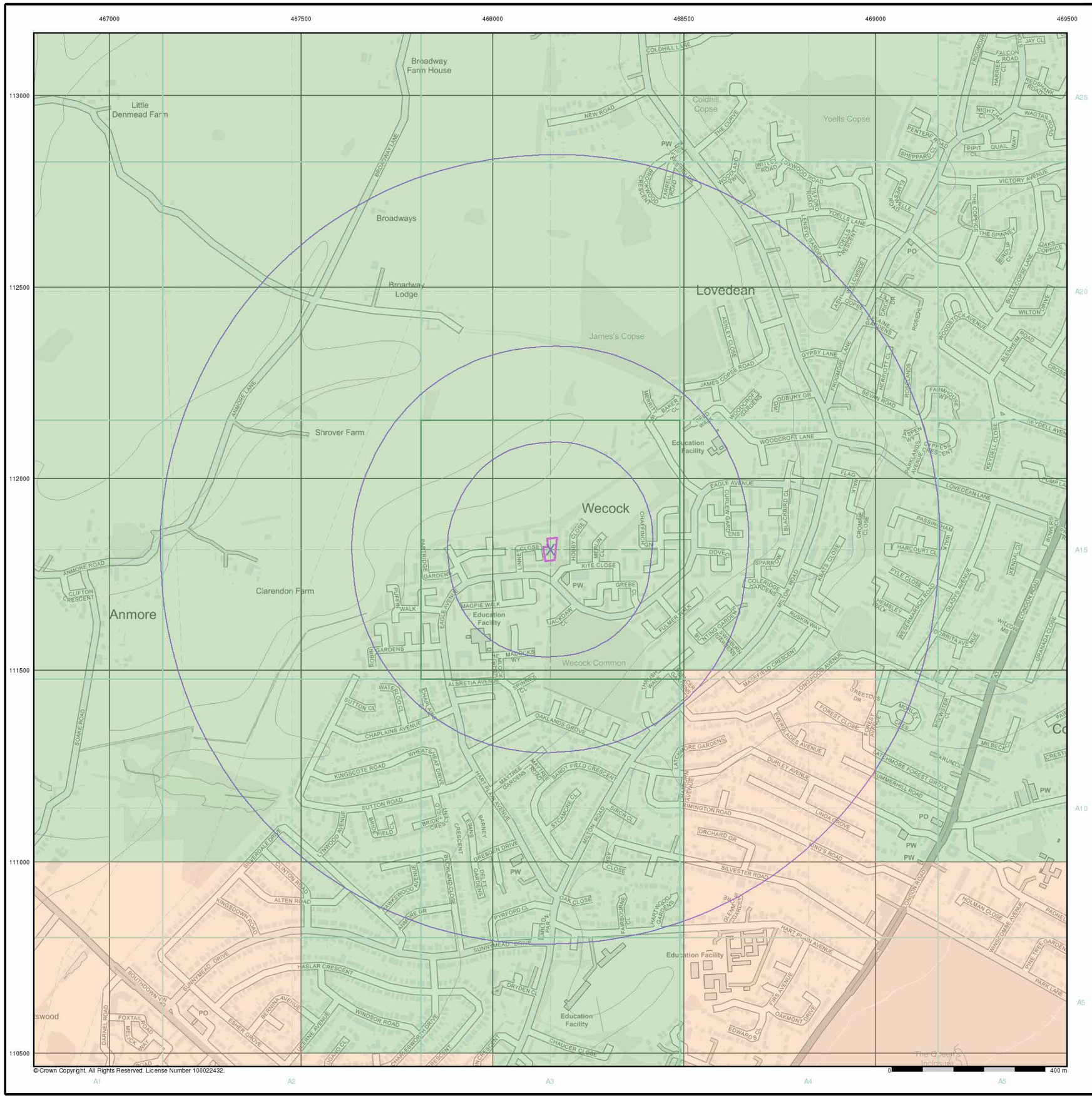
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General

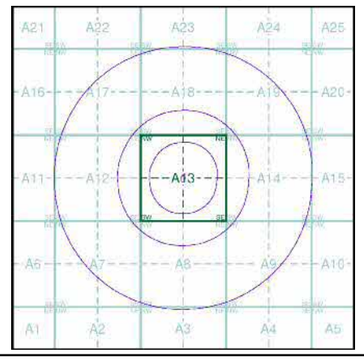
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



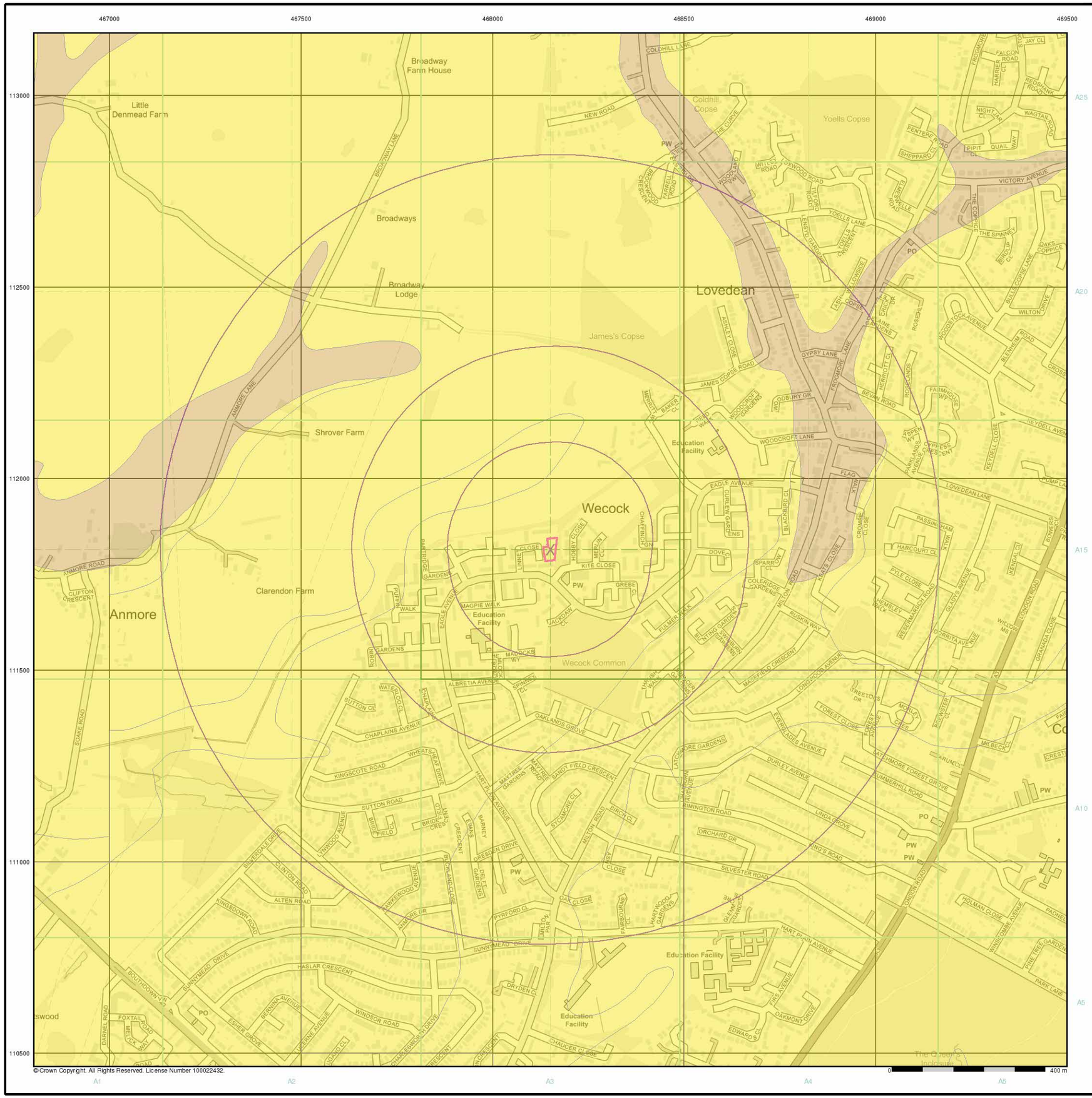
Order Details

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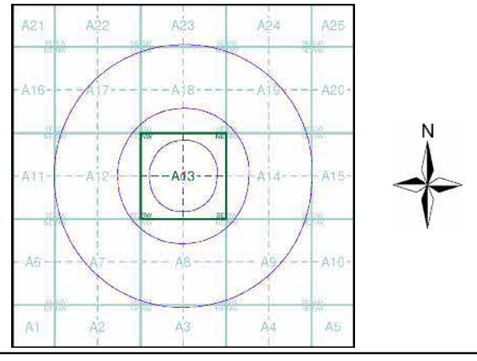
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



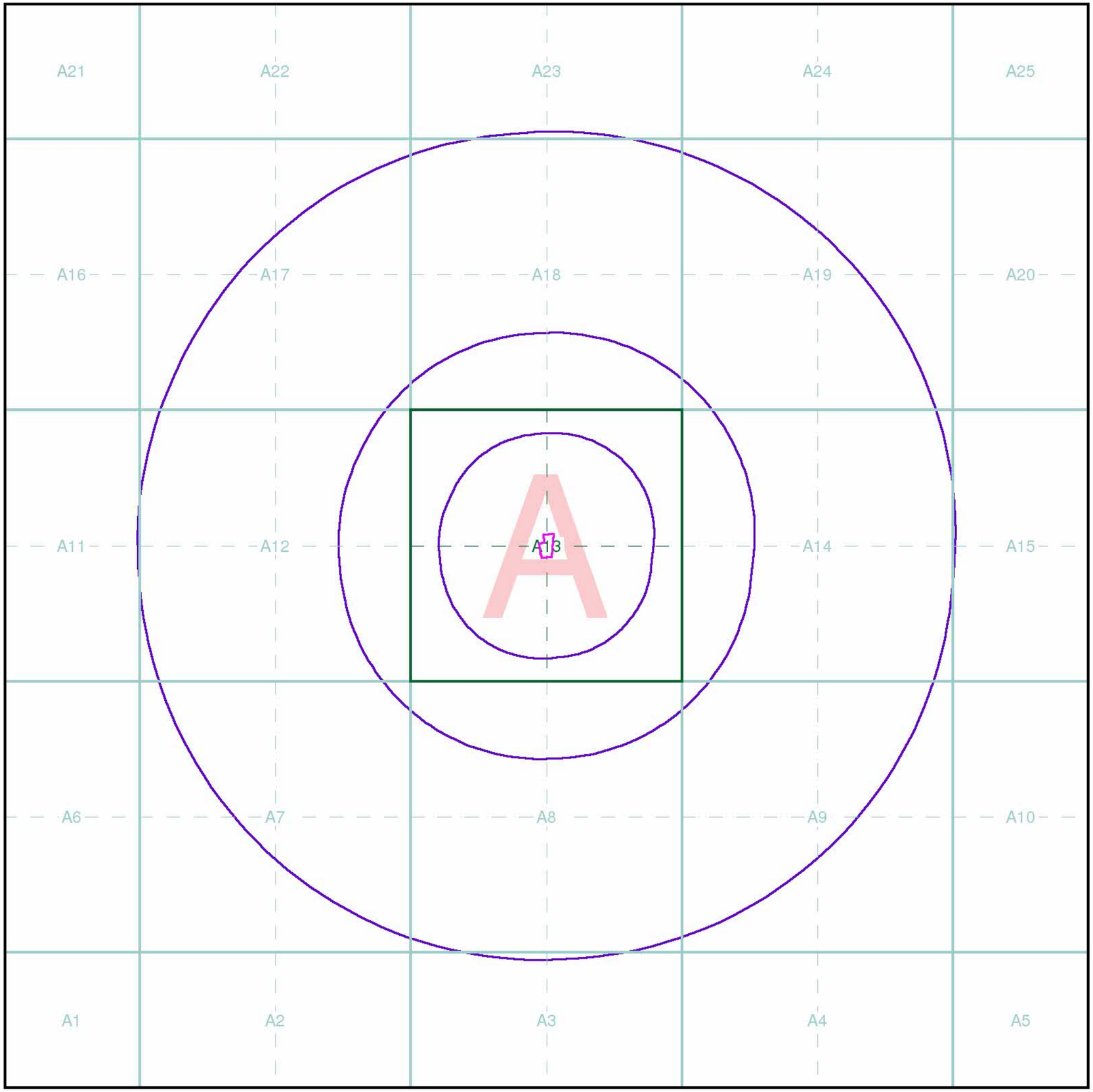
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Index Map

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

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

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

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

A selection of organisations who provide data within this report:

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

Envirocheck reports are compiled from 136 different sources of data.

Client Details
Mr N Lambert, Soils Ltd, Newton House, Cross Road, Tadworth, Surrey, KT20 5SR

Order Details
Order Number:	351078152_1_1
Customer Ref:	21511/JD
National Grid Reference:	468150, 111810
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details
Littlefold Family Resource Centre, Linnet Close, WATERLOOVILLE, PO8 9UY

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

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

Appendix E Local Authority Search Data

Contamination incidents

- The Council has no records of pollution incidents likely to have a significant impact on soil/land quality within the search area
- Intrusive site investigations within the search area are not interpreted as 'contamination incidents' irrespective of whether elevated concentrations of contaminants were identified, and I have therefore not summarised the available records.

Status RE Part 2A

- The subject property has not been determined to be contaminated land, nor has it been assigned a priority for physical inspection for the purposes of determining whether it might meet the statutory definition of contaminated land.

Potential sources of contamination close to the site

- None known.
- The subject property appears to have been constructed circa 1973 on greenfield land, formerly comprising rough grassland, scrub, and pasture

Fuel tanks

- There are no records of storage tanks within the search area.

Potential constraints to redevelopment of the site

- The site lies within a SPZ1, designated for the protection of public potable supplies
- The principal aquifer is composed of competent blocky chalk with karstic flow characteristics. Solution features are known to occur locally within the region.
- See GeoIndex - British Geological Survey (bgs.ac.uk) for notes on water table depth & water yield information

Wells

- Interpreted as historic water supply wells. Four are recorded within the search area, all identified from historic map issues:
  - 468059m,111856m
  - 468132m,111957m
  - 468135m,111967m
  - 468146m,112006m
- There are no current private water supplies within the search area

Landfill sites

- Woodcroft Farm,
  - Licence Ref: 13/5,
  - Conflicting information on the nature of fill; "Earth Spoils, Construction Inerts & Demolition Waste", or "Industrial". Former considered more likely (based upon site investigation).
  - Location: 468054m,112014m, 155m from subject property
  - Area & Depth of Fill: 0.55Ha, ~2.6m BEGL.
- There are 4 no. former surfacewater features within the search area that may have been used for informal/unlicenced disposal of waste (made ground);
  - 468174m,111599m, 141 sq.m, depth unknown.
  - 468368m,111711m, 126 sq.m, depth unknown.

468358m,111720m, 119 sq.m, depth unknown.
468059m,111847m, 583 sq.m, depth unknown. 67m from subject property.

Any reports of site investigations previously undertaken that may be pertinent to the study area.

- No site investigation available within 50m of the subject property.

Any additional information related to contaminated land in proximity to the site

- No additional information relating to ground contamination within the near vicinity of the site.

This concludes our response to your request.

The information contained in this response is released under an Open Government Licence, for more information please visit the council's website; http://www.havant.gov.uk/re-use-public-sector-information-regulations

If you are dissatisfied with the outcome of your request, please contact our Information Governance Department on governance@havant.gov.uk and we will conduct an internal review. Upon review, if you are still dissatisfied, you may appeal our decision by contacting the Information Commissioner's Office; for more information please visit www.ico.org.uk/foicomplaints.

Please be aware, if we do not receive an appeal within 40 days of you receiving this letter we will assume that you are satisfied with our response. If you wish to make any further requests for information please do not hesitate to contact us on inforequests@havant.gov.uk.

Information Governance

Havant Borough Council
Public Service Plaza
Civic Centre Road
Havant PO9 2AX

Appendix F Site Photographs

Photo 1:	
Photo taken from the car park looking west towards the residential houses and car park. A green metal fence separates the site from the residential area. The concrete ground has been overgrown by moss, and weeds are breaking through the cracks	

Photo 2:	
Photo taken facing west, small outside seating area and bollards have been installed. Concrete slabs on the ground – site is very overgrown. A danger for electric is visible on the blue door of the building.	

Photo 3:	
The photo was taken on the car park facing the south west, the aforementioned seating area is to the right of the skip	

Photo 4:	
Photo taken facing the south, residential properties are visible in the background, more green metal fencing surrounds the perimeter	

Photo 5:	
Photo taken facing the south west, showing the main entrance to the building. Concrete slab flooring as well as a bricked ramp for access. Drainage system visible	

Photo 6:	
Photo taken facing east, the mature denseand bushes is visible just outside of the site, overgrown grass onsite	

Photo 7:	
Photo taken facing the west, mature trees and bushes around the permitter of the garden, as well as overgrown grass and wildflowers	

Photo 8:	
Photo taken facing north; drainage covers visible on site	

Appendix G UXO Risk Assessment



Preliminary Unexploded Ordnance (UXO) Risk Assessment

Project Name	Littlefold Family Resource Centre, Waterlooville
Client	Soils Limited
Site Address	Littlefold Family Resource Centre, Waterlooville, PO8 9UY
Report Reference	PA20236-00
Date	25/06/2024
Author	MT
Quality Assurance	AT

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Assessment Objective

This preliminary unexploded ordnance (UXO) risk assessment is a qualitative screening exercise to assess the likely potential of encountering UXO at the Littlefold Family Resource Centre, Waterlooville site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

Background

This assessment uses the sources of information available in-house to 1st Line Defence Ltd to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases, as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced. It should be noted that the only way to entirely negate risk from UXO to a project would be to support the works proposed with appropriate UXO risk mitigation measures. It is rarely possible to state that there is absolutely 'no' risk from UXO to a project.

Site Boundary



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Risk Assessment Considerations	
Site location and description/current use	The site is located in Waterlooville, within the county of Hampshire. bordered to the north and south by residential properties, to the east by a wooded area and to the west by Linnet Close. The site is occupied by hard standing ground in the northern section, a single building in the centre and associated open ground in the southern section. The site is approximately centred on the OS grid reference: SU 6 8 1118 .
Are there any indicators of current/historical military activity on/close to the site?	No information could be found in-house to indicate that the site location has any former or current association with any military features. No features such as WWII defensive positions, encampments or firing ranges are recorded to have been located at the site. In addition, no information of ordnance being stored, produced, or disposed of within the proposed site boundary could be found. D-Day marshalling camps are known to have been located approximately 1.4km to the south-east of the site, although it is not thought likely that these would have greatly elevated the risk of Allied UXO contamination. The closest Heavy Anti-Aircraft (HAA) battery was positioned approximately 4.8km to the south of the site in the vicinity of Widley. The range of a fired projectile can be up to 15km. The conditions in which unexploded anti-aircraft ordnance may have fallen unrecorded are analogous to that of aerial delivered German bombs.
What was the pre- and post-WWII history of the site?	Pre-war OS mapping dated 1930 shows the site to be occupied by open, lightly wooded, ground. The site is bordered in all direction by further open, lightly wooded, ground and is bordered to the east by an access path.. Post-war OS mapping dated 1952 shows the site's composition to have remained mostly unchanged from pre-war mapping. The site's eastern section is shown to be wooded and its western section is shown to be open ground. The site is bordered to the north by a wooded area, to the east by a wooded area and access path and to the south and west by open land.
Was the area subject to bombing during WWII?	During WWII the site was situated within the Urban District of Havant & Waterloo, which sustained an overall low-moderate density of bombing, with an average of 35.4 items recorded per 1,000 acres according to official Home Office bombing statistics. This amounted to 375 high explosive (HE) bombs, 39 parachute mines, nine oil bombs, four phosphorous bombs and one V-1 flying bomb; totalling 428 incidents over an area of 12,074 acres. Records, kept in house on this occasion, suggest that the closest bombing incidents occurred in the villages of Cowplain and Waterloo, approximately 1km to the south-east and 1.5km to the south of the site respectively.
Is there any evidence of bomb damage on/close to the site?	WWII-era aerial photography from 1946, available in house on this occasion, shows the site to be in good condition, with no obvious signs of damage, such as cratering, ground disturbances or ruins, visible on site or in its direct surroundings.
To what degree would the site have been subject to access?	Given that the site's composition was wooded and open land it is thought likely the site would have experienced lower levels of access throughout the war. This increases the likelihood that evidence of UXO would not have been noticed or reported.

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To what degree has the site been developed post-WWII?	The site has undergone significant post-war development since 1952, with a single building constructed in the centre of the site and hardstanding ground constructed in the northern section at some point between 1952 and 1999.
What is the nature and extent of the intrusive works proposed?	Information provided by the client suggest that works will include an intrusive site investigation involving up to six windowless boreholes to a maximum depth of 3m. The proposed development works involve renovations of the existing structure on site.

Summary and Conclusions

During WWII the site was situated within the Urban District of Havant & Waterloo, which sustained an overall low-moderate density of bombing, with an average of 35.4 items recorded per 1,000 acres according to official Home Office bombing statistics.

WWII-era aerial photography from 1946, available in house on this occasion, shows the site to be in good condition, with no obvious signs of damage, such as cratering, ground disturbances or ruins, visible on site or in its direct surroundings.

Given the low-moderate density of bombing across the district, with no positive evidence found to suggest any bombing/damage occurred within the site, the risk of encountering UXO is not considered significantly elevated above the 'background' level of risk for the region.

Recommendations

Given the findings of this preliminary report, the risk from UXO on site is not considered to be significantly elevated above the 'background level' for the region. It is therefore recommended that **no further research** be taken at this site. Whilst it would be possible to conduct a Detailed UXO Risk Assessment to analyse further archival resources, it is not thought likely that the acquisition of such records would significantly alter the findings of this report.

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.

It should be noted that although the risk from unexploded ordnance on this site has been assessed as low/minimal, this does not mean there is 'no' risk of encountering UXO. This preliminary report has been undertaken with due diligence, and all reasonable care has been taken to access and analyse relevant historical information. By necessity, when dealing with historical evidence, and when making assessments of UXO risk, various assumptions have to be made which we have discussed and justified within this report. Our reports take a common-sense and practical approach to the assessment of UXO risk, and we strive to be reasonable and pragmatic in our conclusions. As referenced, it would be possible to undertake further research into this site, but based on the evidence to hand, this is not deemed strictly necessary, and no reasonably justifiable requirement for proactive on-site mitigation has been identified.

It should however be stressed that if any suspect items are encountered during the proposed works, 1st Line Defence should be contacted for advice/assistance, and to re-assess the risk as necessary. Furthermore, we would recommend that ground personnel are always made aware of the potential for encountering UXO, what to look out for and what to do in the unlikely event that a suspect item is encountered, and that a UXO Risk Management Plan is put together for the proposed works. We would be happy to provide a template and guidance for this –contact us on 01992 245020. Should the scope of works change or additional works be proposed, 1st Line Defence should be contacted to re-evaluate the risk.

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Front cover image credit: London County Council Bomb Damage Mapping (London Metropolitan Archives)

Appendix H Risk Assessment Criteria

The classification presented in Table H.1 to Table H.4 below are modified from, ‘contaminated land risk assessment: A guide to good practice, 2001, CIRIA C552’.

Table H.1. Classification of Consequence

Classification	Definition
Severe	Short-term (acute) risk to human health likely to result in “significant harm” as defined by the Environmental Protection Act 1990, Part IIA. Short term risk of pollution (note: Water Recourses Act contains no scope for considering significance of pollution) of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem (note: the definitions of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000.)
Medium	Chronic damage to Human Health (“significant harm” as defined in DETR, 2000). Pollution of sensitive water recourse (note: Water Recourses Act contains no scope for considering significance of pollution). A significant change in a particular ecosystem (note: the definitions of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000.)
Mild	Pollution of non-sensitive water recourses. Significant damage to crops, buildings, structures and services (“significant harm” as defined in the Draft Circular on Contaminated Land, DETR, 2000.)
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.)

Table H.2. Classification of Probability

Classification	Definition
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptors of harm or pollution.
Likely	There is a pollution linkageand 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.
Low likelihood	There is a pollution 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.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the long term.

Table H.3. Comparison of Consequence Against Probability

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

Table H.4. Risk Classifications

Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without remediation action OR there is evidence that severe harm to a designated receptor is already occurring. Realisation of that risk is likely to present a substantial liability to be site owner/or occupier. Investigation is required as a matter of urgency andremediation works likely to follow in the short-term.
High	Harm is likely to arise to a designated receptor from an identified hazard at the site without remediation action. Realisation of the risk is likely to present a substantial liability to the site owner/or occupier. Investigation is required as a matter of urgency to clarify the risk. Remediation works may be necessary in the short-term and are likely over the longer term.
Moderate	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, and if any harm were to occur it is more likely, that the harm would be relatively mild. Further investigative work is normally required to clarify the risk and to determine the potential liability to site owner/occupier. Some remediation works may be required in the longer term.
Low	It is possible that harm could arise to a designated receptor from identified hazard, but it is likely at worst, that this harm if realised would normally be mild. It is unlikely that the site owner/or occupier would face substantial liabilities from such a risk. Further investigative work (which is likely to be limited) to clarify the risk may be required. Any subsequent remediation works are likely to be relatively limited.
Very low	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.
None	No potential risk if no pollution linkage has been established.

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