



Hollins Strategic Land

Desk Study Report

For

Land off Berry Hill Road, Adderbury,

Banbury

July 2017

REPORT NO: 17HSL004/DS




- *Desk Studies and Site Walkovers*
- *Intrusive Contaminated Land Investigations*
- *Geotechnical Appraisals and Ground Investigations*
- *Landfill Gas Assessments and Remedial Design*
- *Remediation Design and Implementation*
- *Remediation Project Management and Supervision*
- *Site Abnormal Assessments (Foundations and Contaminated Land)*

GEOTECHNICAL - CONTAMINATED LAND - FLOOD RISK

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1 EXECUTIVE SUMMARY

Note – The following summary is not exhaustive and is to be used for guidance purposes only. The full report should be consulted for full details.

Site Location

The site is located north of Berry Hill Road, Adderbury, Banbury, OX17 3HF. The coordinates on National Grid are centred on 446940, 234860. The proposed site is approximately 4.02 hectares (Ha) in total.

Proposed Development

The proposed construction of residential dwellings with associated infrastructure, gardens and public open space.

Site Description:

On Site

The site is rectangular in shape and can be accessed via a metal gate off Berry Hill Road. The site is mainly undeveloped and consists of a number of agricultural fields separated by electric fencing. The fields are used for both growing hay and horse grazing. A stable area and menagerie are located along the eastern boundary of site. Areas of localised Made Ground were noted within the stable area.

The topography of the site dips in a northerly direction. Levels along the northern border of site range between 97m AOD – 100m AOD and levels along the southern border of site range between 109m AOD – 100m AOD.

Overhead services were present in the very north western corner of site. A few old tyres were noted across the site.

Site History

The site has remained undeveloped until circa 2006, where a path and horse stables are shown on the eastern half of site. A small area along the very western site boundary is also shown to be fenced off. Circa 2017, the field boundaries are altered.

Surrounding Area

The surrounding area has a history of allotments immediately east and west and 30m south between circa 1900/1922 – 1977, a gas works 20m south west between circa 1922 – 1977 and a sewage works 20m north between circa 1922 – 1999. Residential development began to the west circa 1977. A pumping station is shown 50m north east circa 1999 – present.

Published Geology

The BGS map (1:10,000 SP43NE 1957 and SP43SE 1973) shows the geology beneath the site as the following:

- Drift – No superficial deposits recorded.
- Bedrock - Very north of site – Dyrham Formation – Siltstone and Mudstone, Interbedded. Rest of site – Marlstone Rock Formation – Ferruginous Limestone and Ironstone.

Hydrogeology and Hydrology

- There are no superficial deposits recorded on site.
- The bedrock deposits of the Limestone and Ironstone across the majority of site are classed as a Secondary A Aquifer (Moderate Permeability) and the bedrock deposits of the Siltstone and Mudstone to the very north of the site are classed as a Secondary Undifferentiated Aquifer (Unproductive - Low Permeability).
- The site does not lie within a Groundwater Source Protection Zone as defined by the Environment Agency.
- The nearest surface water feature is an unnamed drain located 66m N. This drain leads onto the Sor Brook.

Radon

The site boundary is in a high probability radon area as greater than 30% of properties are above the action level. Full radon protective measures may be necessary in the construction of new dwellings or extensions.

Summary of Environmental Data

Possible Contamination Sources:

- Current Land Use - On Site – Unlikely.
- Historical Land Use - On Site – No.
- Allotments – 0m E and 0m W – Possible.
- Former Gas Works – 20m SW – Possible.

- Former Sewage Works – 20m N – Possible.
- Former Recorded Mineral Site – 100m E – Possible.
- Pollution Incidents into Watercourse – 163m NE – No.

Pathways and Receptors:

- Aquifers – Below Site – Possible.
- Watercourses – 66m N – No.

Qualitative Risk Assessment:

In this qualitative risk assessment, a Low - Moderate risk for ground gas and contamination exists across the site. It is likely that remedial action may be necessary at the site, the likes of which cannot be confirmed until the geotechnical and contamination ground investigation has been completed.

Proposed Ground Investigation Scope:

On assessing the potential risks on site, we have compiled the following recommendations for intrusive investigation:

- Two (2 No) days trial pitting to 3.00m - 4.00mbgl using a JCB 3CX.
- Eight (8 No) small diameter boreholes to 3.00mbgl installed with gas monitoring wells to assess risk of ground gas migration at anticipated foundation depth. Target areas of Made Ground on site, and former allotments, gas works and sewage works immediately off site.
- Six (6 No) ground gas monitoring visits over a period of at least 6 months with varying barometric pressures.
- Twenty five (25 No) soil samples (topsoil, made ground and natural) taken for chemical analysis to benchmark contamination levels across the site. Proposed testing will include but not be limited to the following: heavy metals suite (comprising: As, Cd (low level), Cr Vi, Pb, Hg, Se, Ni, Cu, Zn), Organic Matter, Sulphate, pH, speciated polycyclic aromatic hydrocarbons, TPH CWG. Asbestos testing within topsoil and Made Ground with quantification for positive samples.
- Geotechnical analysis of samples if clay strata is encountered for tree heave protection and concrete design classification.
- Should elevated determinant levels be encountered, additional leachate testing within soil and/or groundwater testing may be required.

The scope of works should be agreed with the Local Authority prior to the intrusive ground investigation and as such may change.

2 SITE DESCRIPTION

2.1 Introduction

This investigation was carried out on the instruction of Hollins Strategic Land. The purpose of the work was to carry out a Desk Study to provide geotechnical and contamination risk information for the proposed construction of residential dwellings with associated infrastructure, gardens and public open space. A Proposed Layout Plan can be seen below;



2.2 Site Location

The site is located north of Berry Hill Road, Abberbury, Banbury, OX17 3HF. The coordinates on National Grid are centred on 446940, 234860. The proposed site is approximately 4.0 hectares (Ha) in total. See Site Location Plan in Appendix A.

2.3 Site Description

2.3.1 On Site

The site was visited by a Geo-Environmental Engineer on the 27th June 2017 and photographs can be found in Appendix A.

The site is rectangular in shape and can be accessed via a metal gate off Berry Hill Road. The site is mainly undeveloped and consists of a number of agricultural fields separated by electric fencing. The fields are used for both growing hay and horse grazing. A stable area and menagerie are located along the eastern boundary of site. Areas of localised Made Ground were noted within the stable area. A number of metal gates allow access between the fields. A path leads from the metal gate at the entrance of site to the stable area.

The topography of the site dips in a northerly direction, with the central northern area of the site being the lowest point. Levels along the northern border of site range between 97m AOD – 100m AOD and levels along the southern border of site range between 109m AOD – 100m AOD.

Overhead services were present in the very north western corner of site. A few old tyres were noted across the site.

2.3.2 Surrounding Area

Surrounding land uses for the site are as follows:

- North – 0m – 250m N is a mixture of agricultural land, a dismantled railway and Sor Brook. 250m – 500m N is the village of Adderbury.
- East – 0m – 230m E is agricultural land followed by the A4260. 250m – 500m E is Station Yard Industrial Estate and Twyford Mill.
- South – Immediately S is Berry Hill Road followed by agricultural land to 500m S.
- West – 0m – 500m W are residential dwellings (village of West Adderbury).

3 SITE HISTORY

3.1 Site History from Ordnance Survey Maps

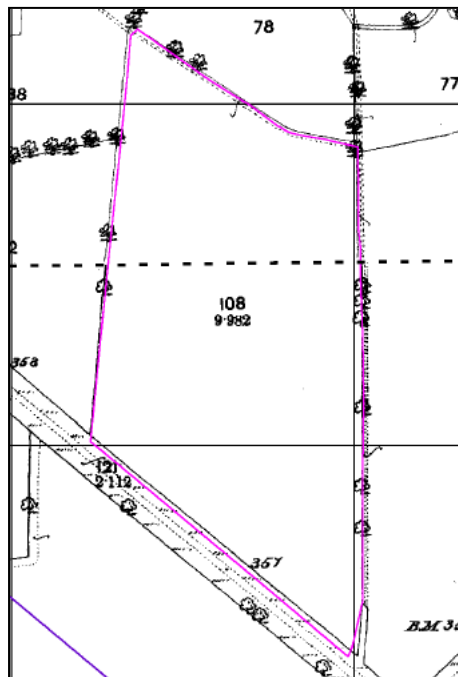
A search of available historic maps was undertaken to establish the land use history of the site. Extracts of the maps discussed below and can be found in full in Appendix B of this report. All maps are Ordnance Survey unless otherwise stated. All distances quoted on OS maps are taken from the site boundary, which is marked on the map.

3.2 Summary of Site History

3.2.1 On Site

The earliest map is the 1881 – 1882 1:2,500 map which shows the site as undeveloped and comprising of one (1 No) field. A number of trees are shown to outline the field. An extract of this map is shown below;

1881 – 1882 1:2,500 map



No significant changes are shown to occur on site until circa 2006, where a path and horse stables are shown on the eastern half of site. A small area along the very western site boundary is also shown to be fenced off.

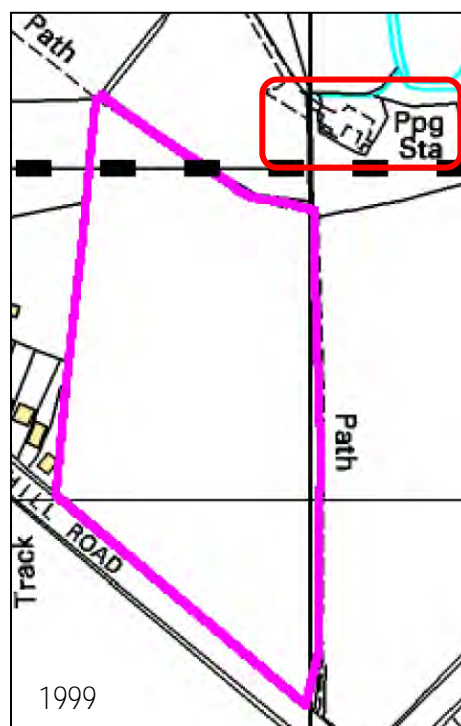
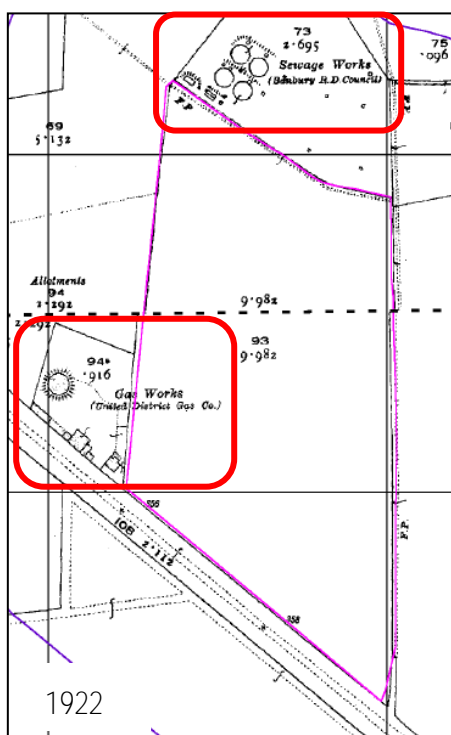
Circa 2017, the field boundaries are altered, and the site is now shown to comprise ten (10 No) individual fields.

3.2.2 Surrounding Area

The following table summarises the significant changes in historical use surrounding the site:

Date First Shown	Land Uses
1881 - 1882	200m N – Railway (shown as dismantled circa 1977). 220m N – Corn Mill (Shown as the 'Old Mill' circa 1977. Still present). 250m – 500m NW – Village of West Adderbury (still present). 250m – 500m N – Village of Abberbury (still present).
1900	30m S – Allotments (no longer shown circa 1977). 150m SSE – Quarry (shown as part of tramway circa 1922. No longer shown circa 1977).
1922	0m E – Allotments (no longer shown circa 1973). 0m W – Allotments (shown as residential circa 1977. Residential still present). 100m S – Tramway (no longer shown circa 1977). 20m SW – Gas Works (shown as residential circa 1977. Residential still present). 20m N – Sewage Works (expands circa 1993. No longer shown circa 1999).
1955	175m – 250m W – Residential development (still present). 250m – 500m E - Twyford Mill (still present) (expands to show Station Yard Industrial Estate circa 1993. Industrial Estate still present).
1977 - 1983	35m – 350m W - Residential development (still present). 300m NW – 500m NW - Residential development (still present). 500m NW – Burial Ground (still present).
1993 - 1994	No significant changes.
1999	50m NE – Pumping Station (still present).
2006	No significant changes.
2017	350m – 500m W – Residential development (still present).

An extract of the 1922 1:2,500 map showing the gas works located 20m SW and the sewage works located 20m N can be seen below. An extract of the 1999 1:10,000 map showing the pumping station located 50m NE can also be seen below.



4 GEOLOGY

The following section details the published and available geological data available for the site and the surrounding area. All data is taken from the Envirocheck Data report located in Appendix C unless otherwise stated. This report should be referred to for full details.


4.1 Published Geology

The documented geology of the site is summarised on the British Geological Survey map principally, with further site specific details detailed below.


Geology	Drift	Solid
1:10,000 SP43NE 1957 and SP43SE 1973	No superficial deposits recorded	Very north of site – Dyrham Formation – Siltstone and Mudstone, Interbedded Rest of site – Marlstone Rock Formation – Ferruginous Limestone and Ironstone

Geology 1:10,000 Maps Legends







Artificial Ground and Landslip

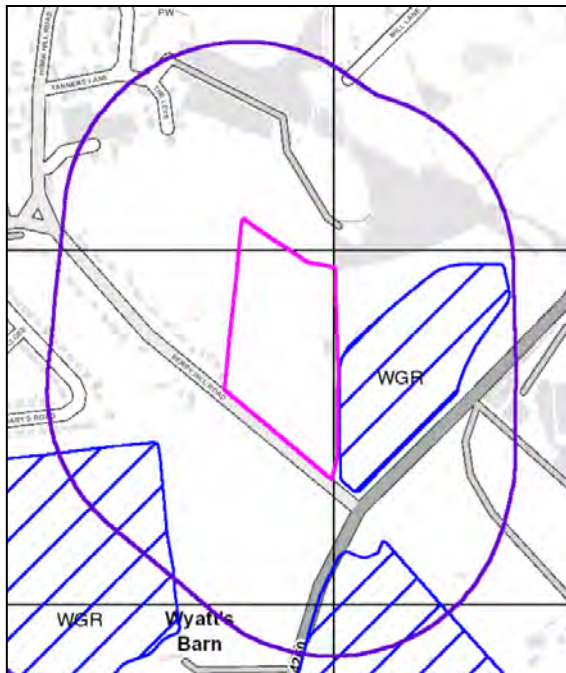
Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

Superficial Geology

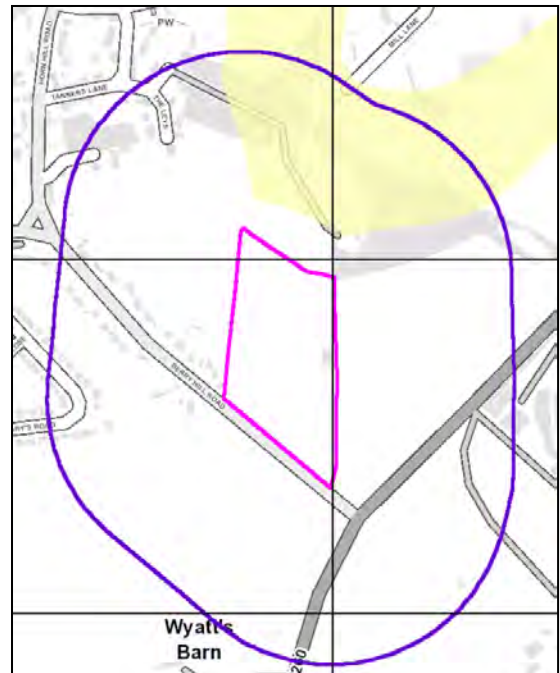
Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene

Bedrock and Faults

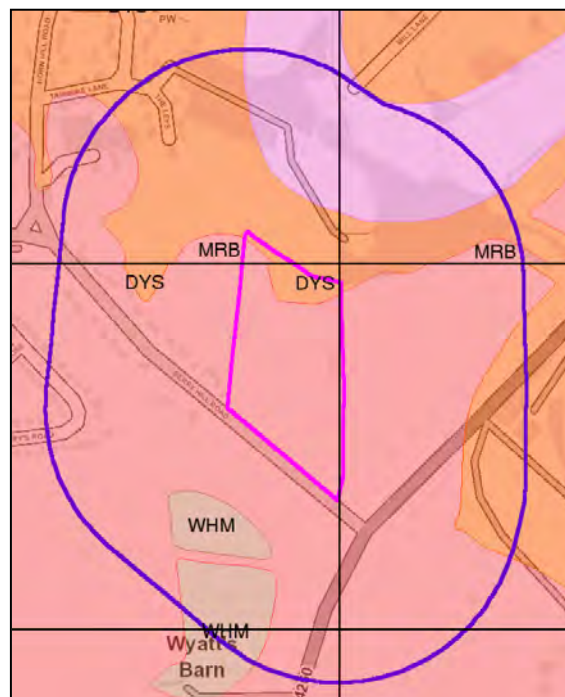
Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	NS	Northampton Sand Formation	Sandstone, Limestone and Ironstone	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Pliensbachian - Pliensbachian
	MRB	Marlstone Rock Formation	Ferruginous Limestone and Ironstone	Toarcian - Pliensbachian
	CHAM	Charmouth Mudstone Formation	Mudstone	Pliensbachian - Sinemurian
	Fault			



Artificial Ground and Landslip



Superficial Geology



Bedrock Geology

4.1.1 Fault Lines

There are no fault lines located within 250m of site.

4.2 Geological Features

The table below summarises the presence/absence of recorded mining, extraction and natural cavities records within 500m of site. If entries are present within 250m, further details are provided in the relevant section below.

Data Type	On Site	0 – 250m	250 – 500m
Geological			
BGS Recorded Mineral Sites	-	2	1
Man Made Mining Cavities	-	-	-
Natural Cavities	-	-	-

4.2.1 BGS Recorded Mineral Sites

There are two (2 No) BGS Recorded Mineral Sites within 250m of site as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	BGS Recorded Mineral Sites Site Name: Berryhill Pit Location: West Adderbury, Adderbury, Banbury, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 10603 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A13SE (E)	100	1	447105 234840
107	BGS Recorded Mineral Sites Site Name: Wyatt'S Barn Location: Oxford Road, Banbury, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 57068 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	188	1	447015 234490

4.2.2 Radon

The site boundary is in a high probability radon area as greater than 30% of properties are above the action level. Full radon protective measures may be necessary in the construction of new dwellings or extensions.

4.3 Hydrogeological and Hydrological Features

The table below summarises the presence/absence of any hydrological licences and incidents within 500m of the proposed site. If entries are present within 250m, further details are provided in the relevant subsection below;

Data Type	On Site	0 – 250m	250 – 500m
Hydrological			
Discharge Consents	-	3	6
Pollution Incidents to Controlled Waters	-	6	5
Water Abstractions	-	-	2

4.3.1 Discharge Consents

There are three (3 No) Discharge Consents within 250m, all of which refer to the pumping station to the north east. The current Discharge Consent is detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Thames Water (S+W) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Adderbury Stw, Adderbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.2451 Permit Version: 1 Effective Date: 30th November 1985 Issued Date: 30th November 1985 Revocation Date: 18th September 1989 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	159	2	447100 235100

4.3.2 Pollution Incidents to Controlled Waters

There are six (6 No) Pollution Incidents to Controlled Waters within 250m, only one (1 No) of which is classed as Category 2 – Significant Incident and is detailed below. For full details please refer to Appendix C;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Pollution Incidents to Controlled Waters Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 8th January 1992 Incident Reference: W1920009 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	163	2	447105 235100

4.3.3 Hydrogeology:

- There are no superficial deposits recorded on site.
- The bedrock deposits of the limestone and Ironstone across the majority of site are classed as a Secondary A Aquifer (Moderate Permeability) and the bedrock deposits of the Siltstone and Mudstone to the very north of the site are classed as a Secondary Undifferentiated Aquifer (Unproductive – Low Permeability).
- The site does not lie within a Groundwater Source Protection Zone as defined by the Environment Agency.
- The nearest surface water feature is an unnamed drain located 66m N. This drain leads onto the Sor Brook.

5 ENVIRONMENTAL DATA

The following section details environmental data available for the site and the surrounding area. Full details can be found in the Envirocheck Report by Landmark located in Appendix C.

The table below summarises the presence/absence of any waste, hazardous substance sites of industrial land uses within 250m of the proposed site. If entries are present within 500m, further details are provided in the relevant section below.

Data Type	On Site	0 – 250m	250 – 500m
Pollution Controls/Registers			
Integrated Pollution Controls	-	-	-
Integrated/Local Authority Pollution Prevention and Controls	-	-	1
Prosecutions Relating to Authorised Processes	-	-	-
Registered Radioactive Substances	-	-	-
Substantiated Pollution Incident Register	-	-	-
Waste			
BGS Recorded Landfill Sites	-	-	-
Historic Landfill Sites	-	-	-
Integrated Pollution Control Registered Waste Sites	-	-	-
Licensed Waste Management Facilities (Landfill Boundaries and Locations)	-	-	1
Local Authority Recorded Landfill Sites	-	-	-
Potentially Infilled Land (Non-Water)	-	2	1
Potentially Infilled Land (Water)	-	-	-
Registered Landfill Sites	-	-	-
Registered Waste Transfer Sites	-	-	1
Registered Waste Treatment or Disposal Sites	-	-	-
Hazardous Sites			
COMAH/Explosive sites/NIHHS/Planning Hazardous Substances	-	-	-
Industrial Land Uses			
Contemporary Trade Directory Entries	-	1	19
Fuel Station Entries	-	-	-
Points of Interest – Commercial Services	-	-	5
Points of Interest – Education and Health	-	-	-
Points of Interest – Manufacturing and Production	-	3	7
Points of Interest – Public Infrastructure	-	-	3
Points of Interest – Recreational and Environmental	-	-	2
Gas Pipelines	-	-	-

5.1 Waste

5.1.1 Potentially Infilled Land (Non- Water)

There are two (2 No) areas of Potentially Infilled Land (Non-Water) within 250m of site as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A13SW (S)	96	-	446897 234594
103	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A13SE (SE)	118	-	447069 234584

5.2 Industrial Land Uses

5.2.1 Contemporary Trade Directory Entries

There is one (1 No) Contemporary Trade Directory Entry within 250m of site, however this is classed as 'inactive'. This entry is detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Contemporary Trade Directory Entries Name: Motec Location: 14, Twyford Mill, Oxford Road, Adderbury, Banbury, OX17 3SX Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	247	-	447252 234814

5.2.2 Points of Interest – Manufacturing and Production

There are three (2 No) Points of Interest – Manufacturing and Production within 250m of site, as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	55	6	447013 235028
128	Points of Interest - Manufacturing and Production Name: Works Location: OX17 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13SE (E)	240	6	447245 234804
128	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	242	6	447247 234807

6 SUMMARY OF ENVIRONMENTAL SENSITIVITY

The following section is a review of the environmental sensitivity of the site as discussed in Sections 2 – 5. Significant potential risks are discussed in the following subsections and will then be evaluated as part of the Site Conceptual Model in Section 7.

Sources are defined as where pollution comes from, pathways are a route in which the pollution travels and receptors are anything affected by a pollutant. Further details on Source-Pathway-Receptor methodology can be found in Appendix D.

The table below focuses on significant site specific sources, pathways and receptors. **More 'generic'** pathways and receptors (such as site end uses) will be covered as part of the full Site Conceptual Model in Section 7.

6.1 Sources

Source	Distance/ Direction	Details	Significant Risk
Current Land Use	On Site	Site is currently undeveloped apart from a stables and outside menagerie located along the eastern border of site. Areas of localised Made Ground were identified in the vicinity of the stable buildings however, due to the size of the areas identified, the risk of any potential contamination is lowered. Ground investigation to confirm.	Unlikely
Historical Land Use	On Site	Site has remained historically undeveloped since historic maps began. No historic sources of contamination anticipated.	No
Allotments	0m E and 0m W	Allotments present on the boundary E between circa 1922 – 1977 and on the boundary W between circa 1922 – 1977 before becoming residential. Due to use as allotments there is a possibility of imported soils which may contain heavy metals, TPH's, PAH's and asbestos . No superficial deposits anticipated on site. Ground investigation to confirm.	Possible
Former Gas Works	20m SW	Gas works shown between circa 1922 – 1977 before being shown as residential. Possible ground gas source and possible contamination includes heavy metals, TPH's, PAH's and asbestos . Due to the former gas works being redeveloped to residential, the risk of contamination is lowered due to possible remediation. No superficial deposits anticipated on site. Ground investigation and ground gas monitoring to confirm.	Possible
Former Sewage Works	20m N	Sewage works shown between 1992 – 1999 and expanded in 1993. Land is currently undeveloped. Risk of heavy metals, TPH's, PAH's, nitrates, leachates and asbestos . Also risk of ground gas due to date of demolition. No superficial deposits anticipated on site. Ground investigation and ground gas monitoring to confirm.	Possible
Former Recorded Mineral Site	100m E	Berryhill Pit was recorded 100m E of site for the extraction of iron ore. The extraction is recorded as 'ceased' however the BGS geology map shows an area of worked ground in the vicinity. Depending on the backfill material there is a risk of heavy metals, TPH's, PAH's and asbestos . Also possible ground gas risk. No superficial deposits anticipated on site. Ground investigation and ground gas monitoring to confirm.	Possible
Pollution Incidents into Watercourse	163m NE	One (1 No) significant pollution incident recorded within 250m of site circa 1992. Due to the age of the incident, and the receiving watercourse not coming into close proximity of the site, the pollutant/incidents poses no risk to the proposed site.	No

6.2 Pathways and Receptors

Pathways and Receptors	Distance/ Direction	Details	Significant Risk
Aquifers	Below Site	There are no superficial deposits recorded on site. The bedrock deposits across the majority of site are classed as a Secondary A Aquifer (Moderate Permeability) and the bedrock deposits to the very north of the site are classed as a Secondary Undifferentiated Aquifer (Unproductive – Low Permeability). Limited contamination anticipated on site, however some off site sources identified.	Possible
Watercourses	66m N	The nearest surface water feature is an unnamed drain located 66m N. This drain leads onto the Sor Brook. Due to the distance from site, no risk is anticipated to the watercourse.	No

7 INITIAL CONTAMINATION CONCEPTUAL MODEL

For details on how the conceptual model is evaluated please refer to Appendix D.

This section of the report aims to identify land which could potentially be affected by contamination, such that it could affect the value or re-use of the land, or such that mitigation would be required for certain proposed end uses of the land.

Potential contamination sources and environmentally sensitive receptors have been discussed in Section 6. Potentially significant risks are evaluated as part of the subsequent sub-sections.

7.1 Source-Pathway-Receptor-Linkages

The risk assessment uses a 'Source-Pathway-Receptor' methodology for assessing whether a source of contamination could potentially lead to harmful consequences. This means that there needs to be a pollutant linkage from source to receptor for harm to be caused, this linkage consisting of: a source of pollution; a pathway for the pollutant to move along; a receptor that is affected by the pollutant.

The current potential risks to site arising from various Source-Pathway-Receptor linkages are assessed below. A risk may be considered significant if all three of the stages are present and therefore providing a pollution linkage. The various sources, pathways and receptors are considered separately. The assessment is based on the future use, which is understood to be residential with home grown produce.



Type of Contamination	Potential Sources	Potential Pathway	Potential Receptors	Pollution Linkage	Comment	Estimated Level of Risk
Ground Gas	See Table 6.1 above	Inhalation of Vapours	Construction/Maintenance Workers	Potentially Active	Localised Made Ground identified on site could be potential ground gas source. Other ground gas sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. No recorded superficial deposits in the area. Ground Investigation to confirm. PPE to protect.	Low/Low - Moderate
		Vapours Penetrating Unprotected Buildings	Future Site Users	Potentially Active	Localised Made Ground identified on site could be potential ground gas source. Other ground gas sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. No recorded superficial deposits in the area. Ground Investigation to confirm. Future site use to be residential.	Low - Moderate
Surface and Near Surface Contaminants Within Soils	See Table 6.1 above	Ingestion, Inhalation, Dermal Contact	Current Site Users	Potentially Active	Localised Made Ground identified on site could be potential contamination source. Other contamination sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. No recorded superficial deposits in the area. Current site use is agricultural/horse grazing and stable area. Ground Investigation to confirm.	Low
			Construction Workers	Potentially Active	Localised Made Ground identified on site could be potential contamination source. Other contamination sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. No recorded superficial deposits in the area. Ground Investigation to confirm. PPE to protect.	Low/Low - Moderate
			Future Site Users	Potentially Active	Localised Made Ground identified on site could be potential contamination source. Other contamination sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. No recorded superficial deposits in the area. Ground Investigation to confirm. Future site use to be residential with gardens.	Low - Moderate
			Adjacent Land Users	Potentially Active	Majority of surrounding area remains undeveloped. Residential development to the west of site.	Low/Low - Moderate
		Direct Contact	Structures	Potentially Active	Possible sulphates within the localised Made Ground on site however bigger risk from immediate off site sources. No recorded superficial deposits in the area. Ground Investigation to confirm	Low - Moderate
		Absorption in Root Zone	Plants	Potentially Active	Localised Made Ground identified on site could be potential contamination source. Other contamination sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. Gardens proposed as part of future end use.	Low - Moderate
Mobile Contaminants, Leachables e.g. from Pollution Sources Adjacent to Site/On Site	See Table 6.1 above	Leaching into Groundwater	Groundwater	Potentially Active	No superficial deposits recorded on site. The bedrock deposits across the majority of site are classed as a Secondary A Aquifer (Moderate Permeability) and the bedrock deposits to the very north of the site are classed as a Secondary Undifferentiated Aquifer (Unproductive – Low Permeability). Limited contamination anticipated on site, however some off site sources identified.	Low - Moderate
		Off-site Migration in Surface Water/ Groundwater	Abstractions	Potentially Active	No groundwater abstractions within 500m. Two (2 No) surface water abstractions within 300m – 500m	Low
			Controlled Waters	Potentially Active	Nearest surface water feature is located 66m N. Due to the distance from site, no risk is anticipated to the watercourse from the proposed development site.	Low
Organic and Inorganic Contaminants Within Soils / Groundwater	See Table 6.1 above	Potable Water Supply Pipes	Utilities Workers	Potentially Active	Localised Made Ground identified on site could be potential contamination source. Other contamination sources identified immediately offsite (former gas works 20m SW and former sewage works 20m N. Ground investigation to confirm then liaison with local water supplier.	Low - Moderate

7.2 Contamination Summary

In this qualitative risk assessment, a Low - Moderate risk for ground gas and contamination exists across the site, although the risk is largely from sources located immediately off site. It is likely that remedial action may be necessary at the site, the likes of which cannot be confirmed until the geotechnical and contamination ground investigation has been completed.

7.3 Geotechnical Constraints

- Existing and redundant services across site.
- Potential shallow bedrock.

8 SCOPE OF GROUND INVESTIGATION

8.1 Objectives of the Ground Investigation

The objectives of the intrusive ground investigation will be to:

- **Clarify the 'Initial Contamination Conceptual Model'.**
- Clarify the initial risk assessment.
- Benchmark the contamination status of the site.
- Provide data for the design of any remedial works that may be required.
- Provide a geotechnical appraisal for the site.

8.2 Proposed Ground Investigation Scope

On assessing the potential risks on site, we have compiled the following recommendations for intrusive investigation:

- Two (2 No) days trial pitting to 3.00m – 4.00mbgl using a JCB 3CX.
- Eight (8 No) small diameter boreholes to 3.00mbgl installed with gas monitoring wells to assess risk of ground gas migration at anticipated foundation depth. Target areas of Made Ground on site, and former allotments, gas works and sewage works immediately off site.
- Six (6 No) ground gas monitoring visits over a period of at least 6 months with varying barometric pressures.
- Twenty five (25 No) soil samples (topsoil, made ground and natural) taken for chemical analysis to benchmark contamination levels across the site. Proposed testing will include but not be limited to the following; heavy metals suite (comprising; As, Cd (low level), Cr Vi, Pb, Hg, Se, Ni, Cu, Zn), Organic Matter, Sulphate, pH, speciated polycyclic aromatic hydrocarbons, TPH CWG. Asbestos testing within topsoil and Made Ground with quantification for positive samples.
- Geotechnical analysis of samples if clay strata is encountered for tree heave protection and concrete design classification.
- Should elevated determinant levels be encountered, additional leachate testing within soil and/or groundwater testing may be required.

The scope of works should be agreed with the Local Authority prior to the intrusive ground investigation and as such may change.

9 REFERENCES

- 9.1 *BS 5930:2015 Code of Practice for Ground Investigation.*
- 9.2 Investigation of Potentially contaminated sites BS10175:2011 +A1:2013.
- 9.3 BS8576:2013 Guidance on investigations for ground gas.
- 9.4 R & D Publication CLR 8 (March 2002) Assessment of Risks to Human Health from Land Contamination: An Overview of the Development of Soil Guideline Values and Related Research. Environment Agency.
- 9.5 R & D Publication CLR 10 (March 2002) The Contaminated Land Exposure Assessment Model (CLEA): Technical basis and algorithms. Environment Agency.
- 9.6 Contaminated Land Risk Assessment; a Guide to Good Practice; CIRIA C552: 2001.
- 9.7 BRE 211 Radon: guidance on protective measures for new buildings (including supplementary advice for extensions, conversions and refurbishment) (2007 edition).
- 9.8 Assessment of risks to human health from land contamination: an overview of the development of guideline values and related research. EA, 2002.
- 9.9 Health and Safety in Construction, HSG150, HSE, 1996.
- 9.10 Baker W (1987), Investigation Strategy - lecture at City of Birmingham Development Department Symposium on Methane Generating Sites, 9 December 1987, Industrial Research Laboratories, Birmingham.
- 9.11 NHBC Standards, Chapter 4.2, 2017 Building Near Trees.
- 9.12 **'Guidance on Evaluation of Development Proposals on Sites Where Methane and Carbon Dioxide are Present'**, Report Edition No.04 March 2007 NHBC – designed for use with low rise residential properties.
- 9.13 **CIRIA C665 'Assessing risks posed by hazardous ground gases for buildings' 2007** - for high rise residential / flats.
- 9.14 **BS8485:2015 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'**.
- 9.15 **BRE 414 'Protective measures for housing on gas-contaminated land'** Roger Johnson, Parkman Environment 2001.
- 9.16 BS 8500-2:2015+A1:2016 **'Concrete British Standard to BS EN 206. Specification for constituent materials and concrete'**.
- 9.17 CLR11 **'Model Procedures for the Management of Land Contamination'** DEFRA 2004.

APPENDIX A

(i) Site Location Plan



Site Location Plan
The site is located north of Berry Hill Road, Abberbury, Banbury, OX17 3HF. The coordinates on National Grid are centred on 446940, 234860.

(ii) Site Photographs



Access onto site via a metal gate off Berry Hill Road.



Path leading from the site entrance to the stable area.



Metal gates allowing access across site.



Menagerie area located along the eastern boundary of site.



Stable area along the eastern boundary of site.



Localised Made Ground surrounding the stable area.



A few old tyres were noted across site.



Majority of site is used for growing hay.



Panorama showing the site levels dipping in the centre northern area of site.



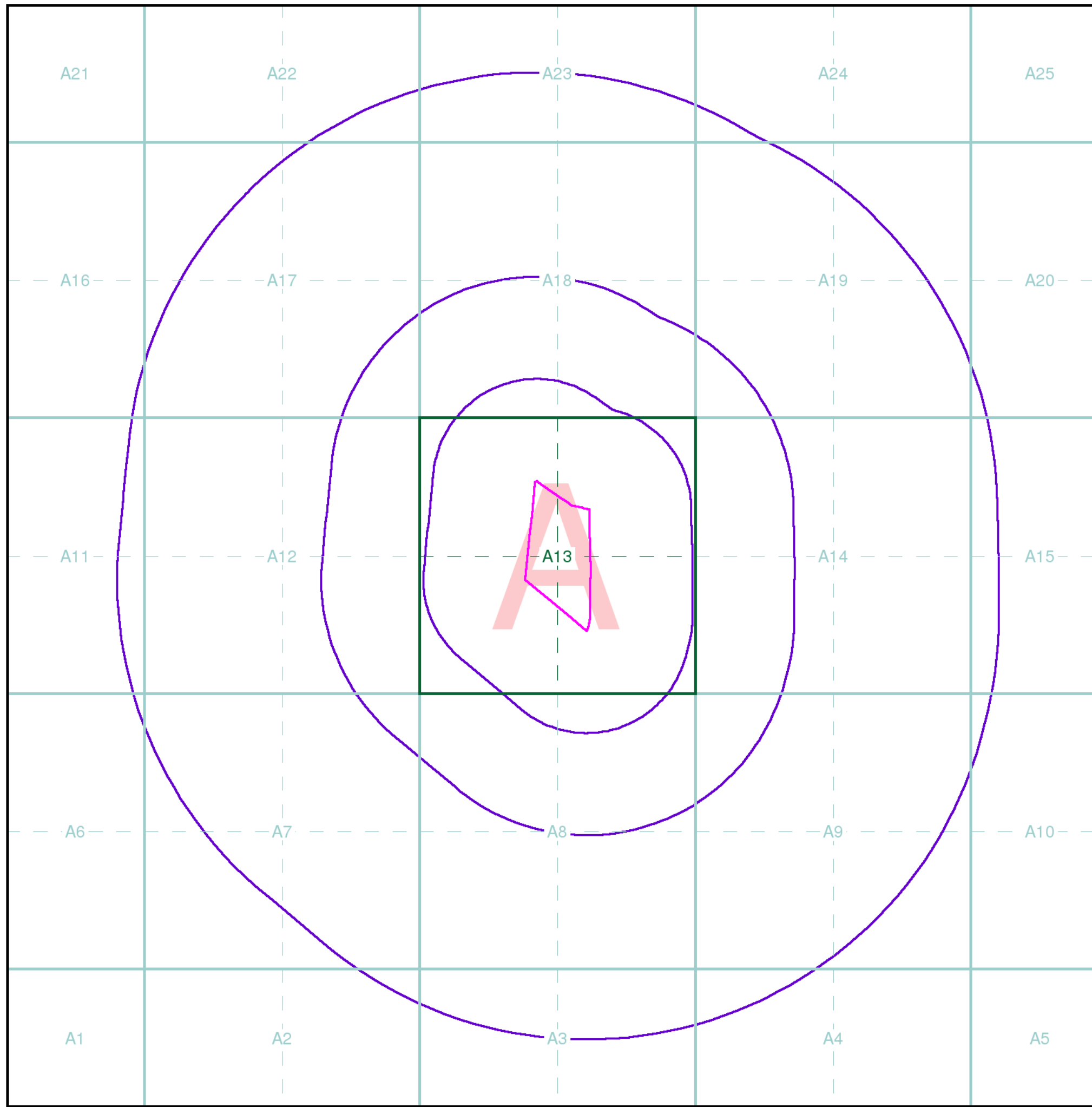
Electric fencing separates the individual fields.



Fields used for horse grazing.

APPENDIX B

(i) Historical Mapping



Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr M Fawcett, Betts Geo Environmental, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire, CH5 2LY

Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446930, 234860
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

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

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**

Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**

Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**

Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**

Cutting **Embankment**

Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**

County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)

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

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**

Cliff **Slopes** **Top**

Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**

Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**

Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**

Rough Grassland **Heath** **Culvert**

Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**

Electricity Transmission Line

County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
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
EI 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

Cliff **Slopes** **Top**

Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**

Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**

Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**

Rough Grassland **Heath** **Culvert**

Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**

B.M. 231.60m **Bench Mark** **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**

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
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station

EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

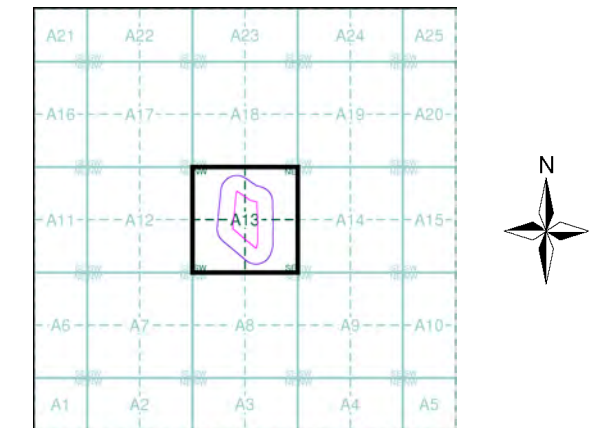
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1881 - 1882	2
Oxfordshire	1:2,500	1900	3
Oxfordshire	1:2,500	1922	4
Ordnance Survey Plan	1:2,500	1973 - 1974	5
Additional SIMs	1:2,500	1984 - 1990	6
Additional SIMs	1:2,500	1990 - 1992	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	1999	9

Historical Map - Segment A13



Order Details

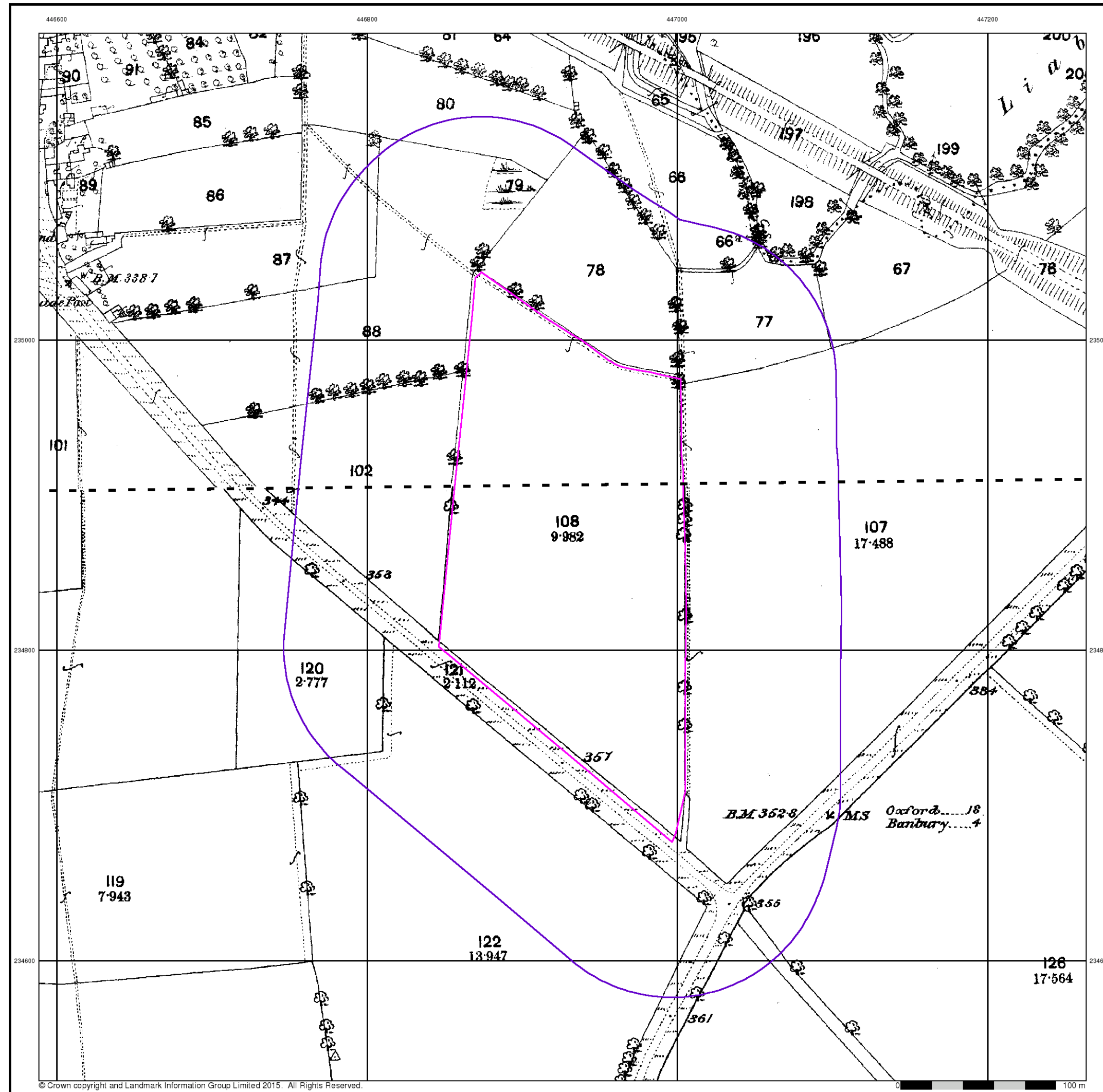
Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

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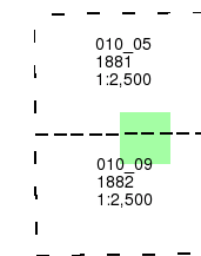
Oxfordshire

Published 1881 - 1882

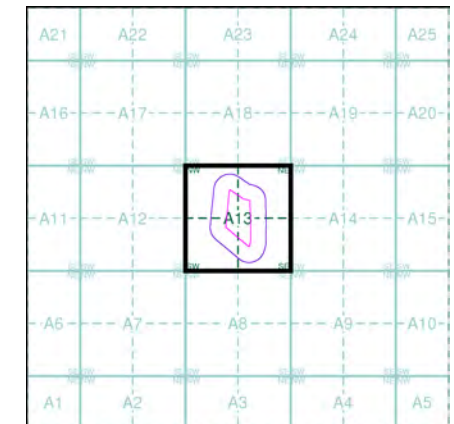
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

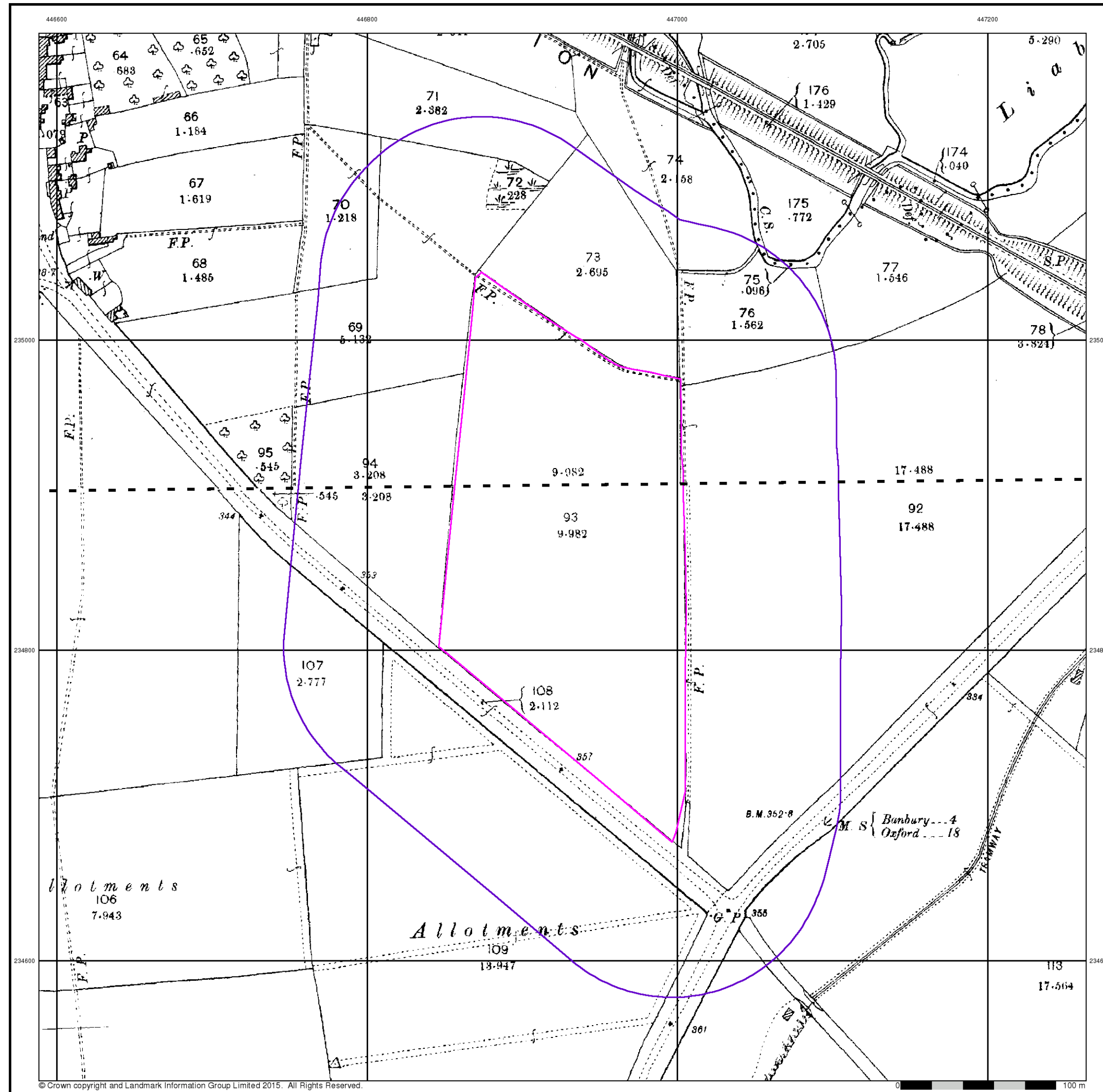
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 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

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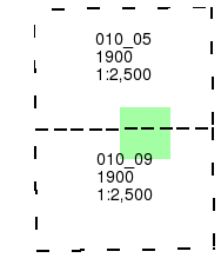
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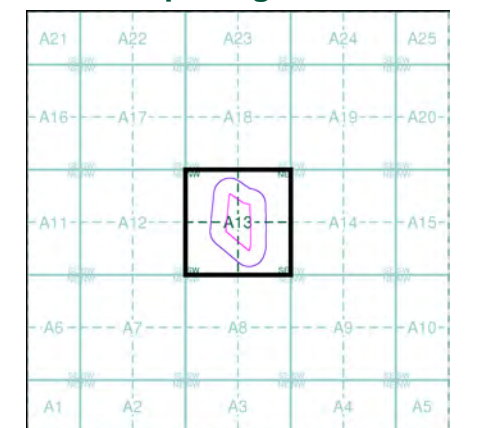
Oxfordshire
Published 1900
Source map scale - 1:2,500

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

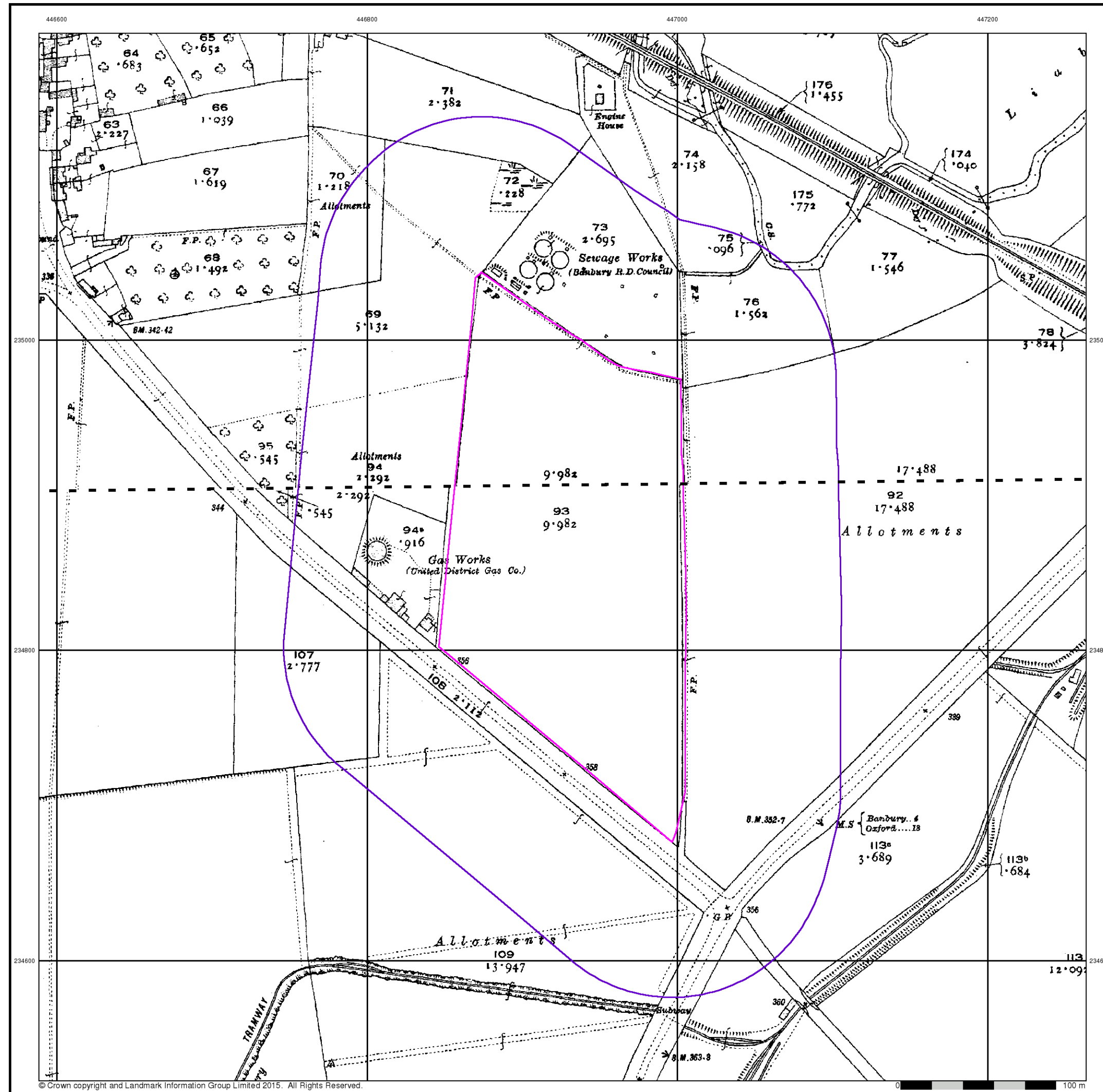


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 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

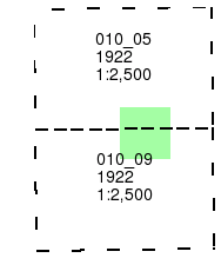
Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



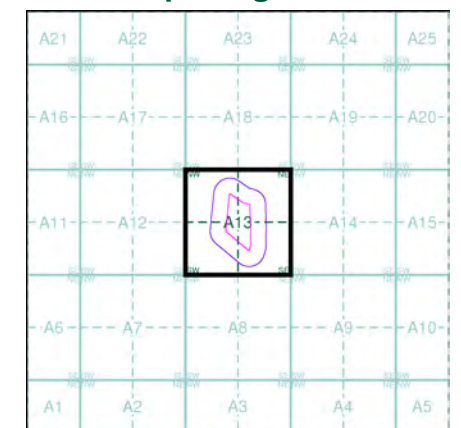
Oxfordshire
Published 1922
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13

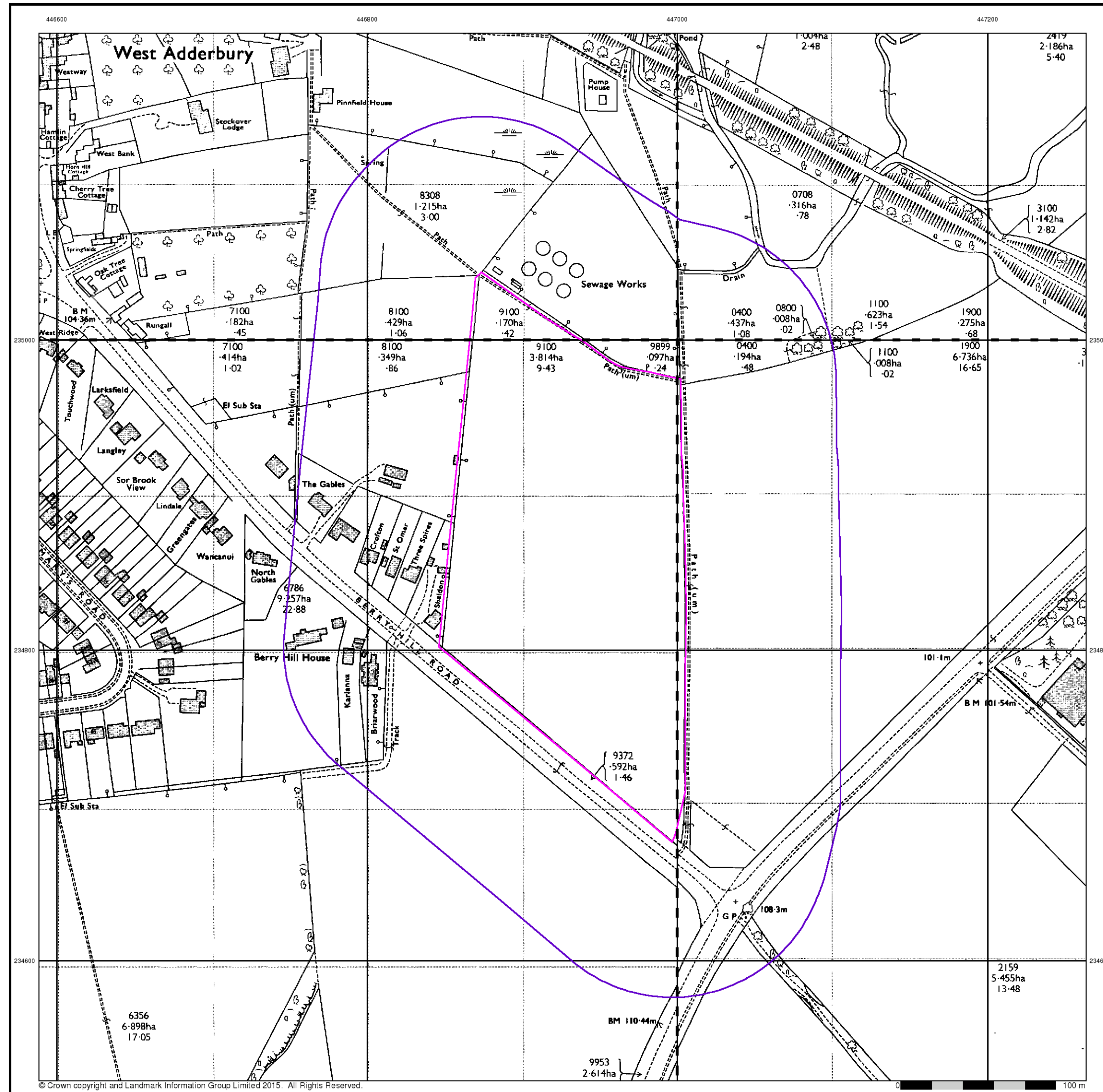


Order Details

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 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
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Site Details

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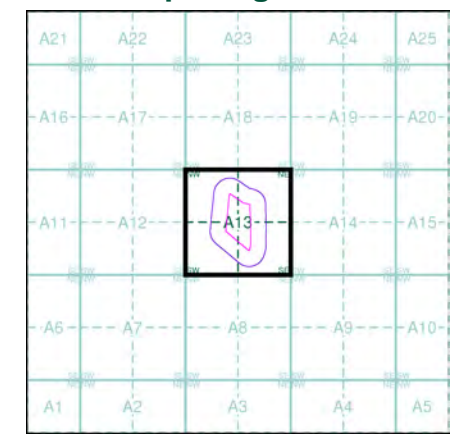
Ordnance Survey Plan
Published 1973 - 1974
Source map scale - 1:2,500

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Map Name(s) and Date(s)

SP4635 1973 12,500	SP4735 1973 12,500
SP4634 1974 12,500	SP4734 1974 12,500

Historical Map - Segment A13



Order Details

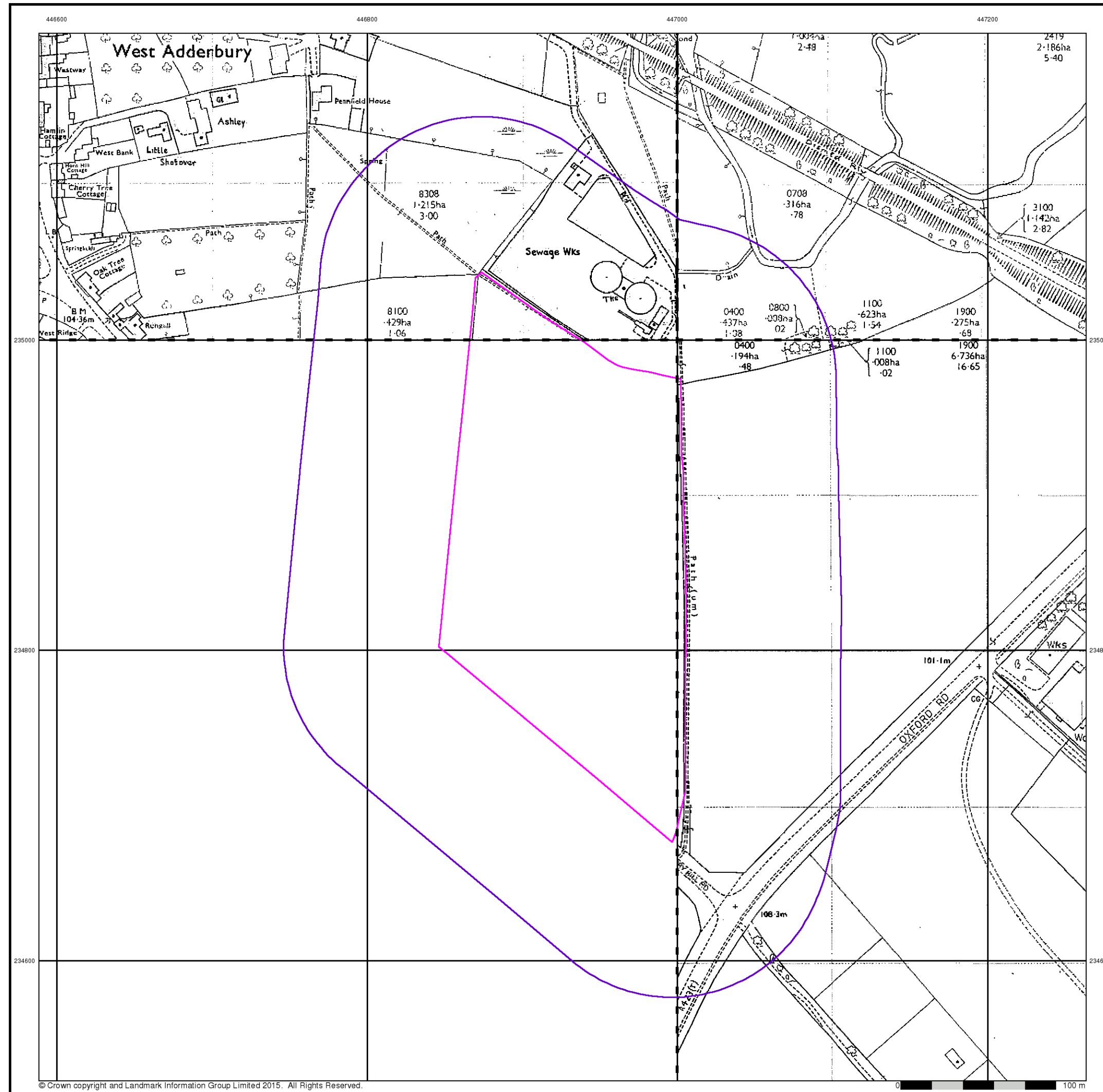
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 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1984 - 1990

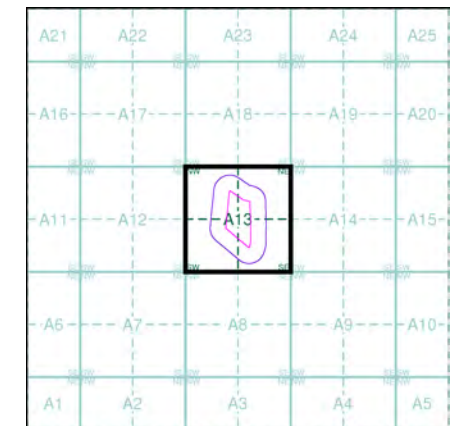
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SP4635 1986 1:2,500	SP4735 1984 1:2,500
	SP4734 1990 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



Additional SIMs

Published 1990 - 1992

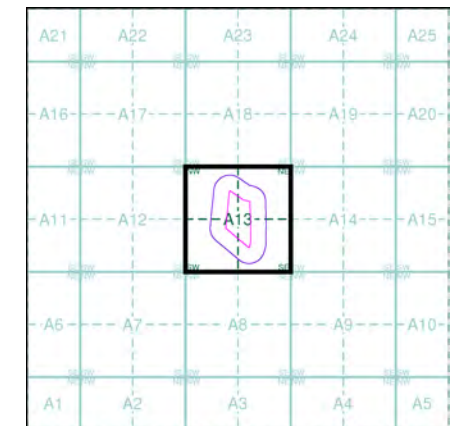
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SP4635 1992 1:2,500	SP4735 1990 1:2,500
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Historical Map - Segment A13

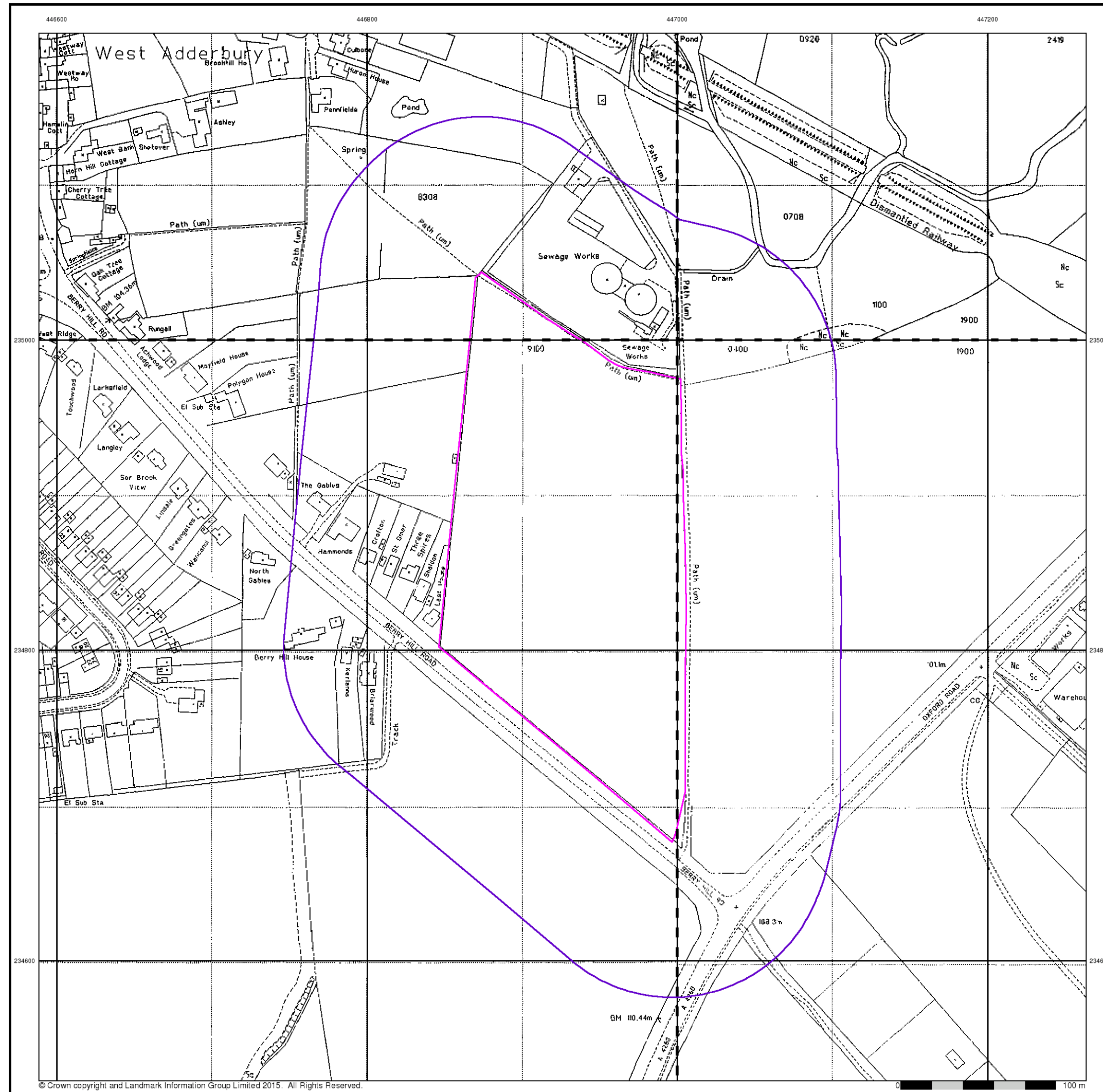


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



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Large-Scale National Grid Data

Published 1994

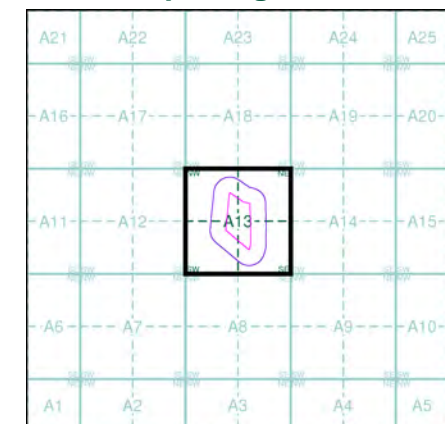
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SP4635	SP4735
1994	1994
12,500	12,500
SP4634	SP4734
1994	1994
12,500	12,500

Historical Map - Segment A13



Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

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446600

446800

447000

447200

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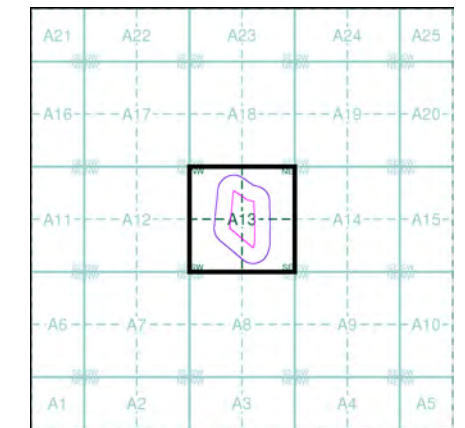
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 100

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

1:10,000 Raster Mapping

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

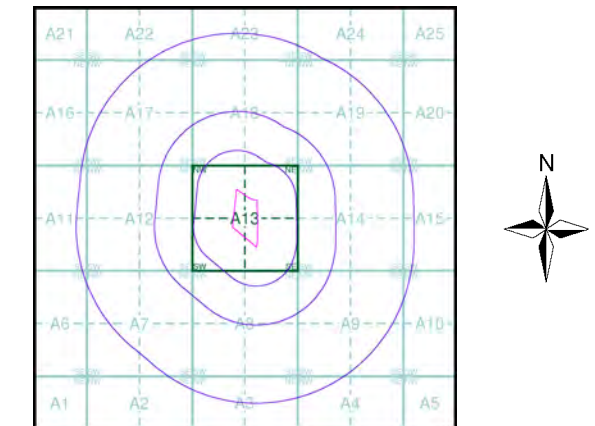
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884	2
Oxfordshire	1:10,560	1886	3
Oxfordshire	1:10,560	1900	4
Northamptonshire	1:10,560	1923	5
Historical Aerial Photography	1:10,560	1948	6
Ordnance Survey Plan	1:10,000	1955	7
Ordnance Survey Plan	1:10,000	1977	8
Ordnance Survey Plan	1:10,000	1983	9
Ordnance Survey Plan	1:10,000	1993 - 1994	10
10K Raster Mapping	1:10,000	1999	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2017	13

Historical Map - Slice A



Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

Landmark
 INFORMATION GROUP

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

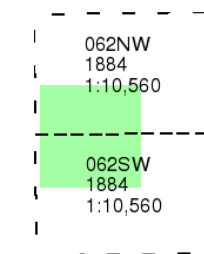
Northamptonshire

Published 1884

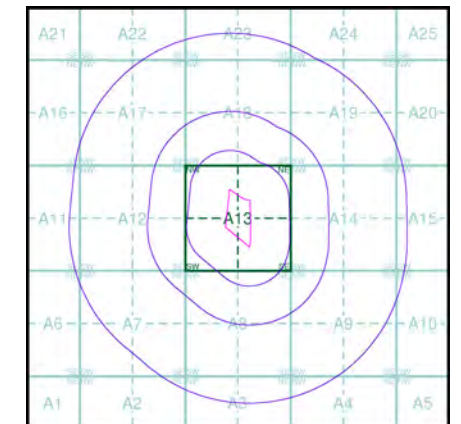
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

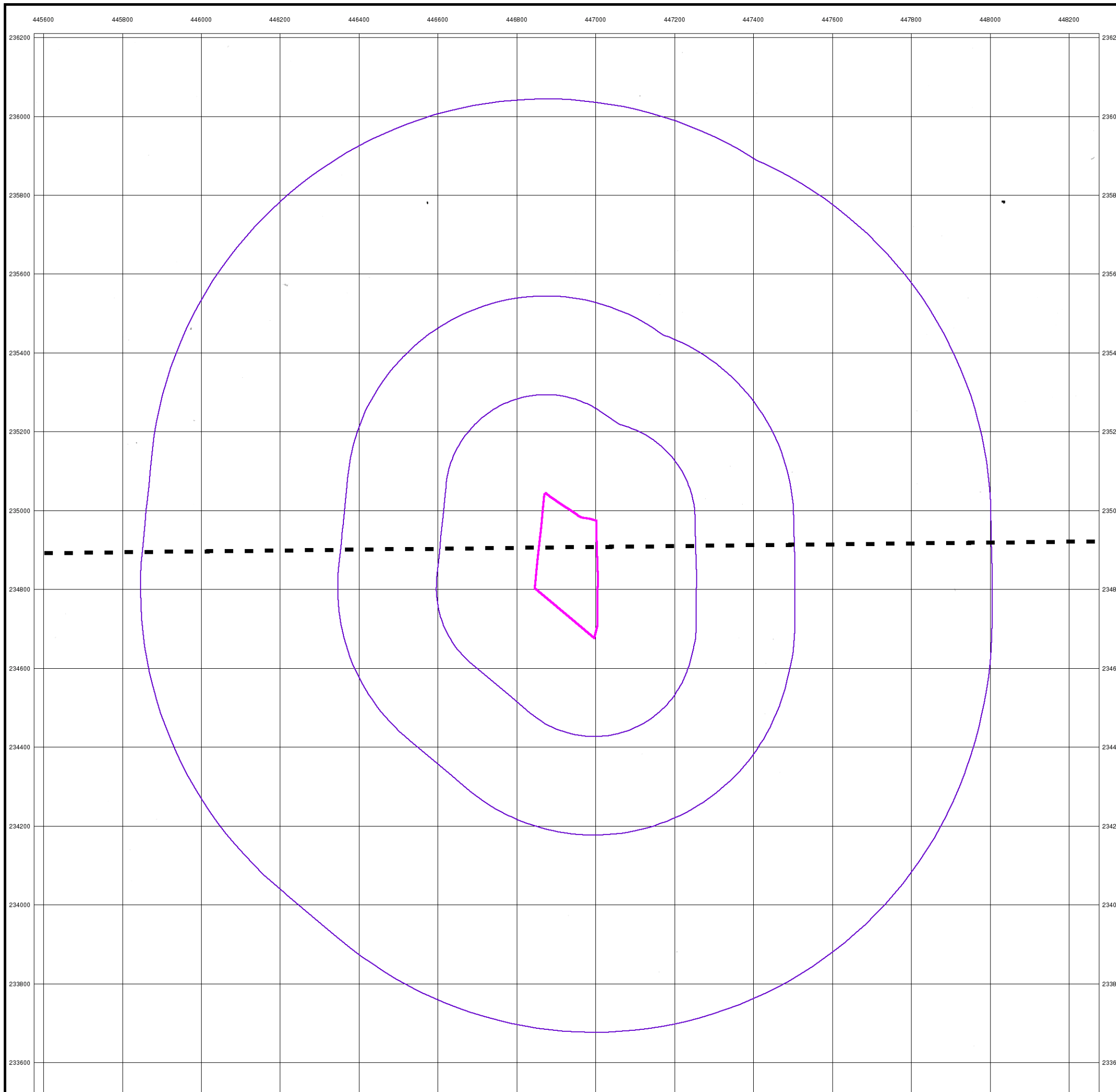


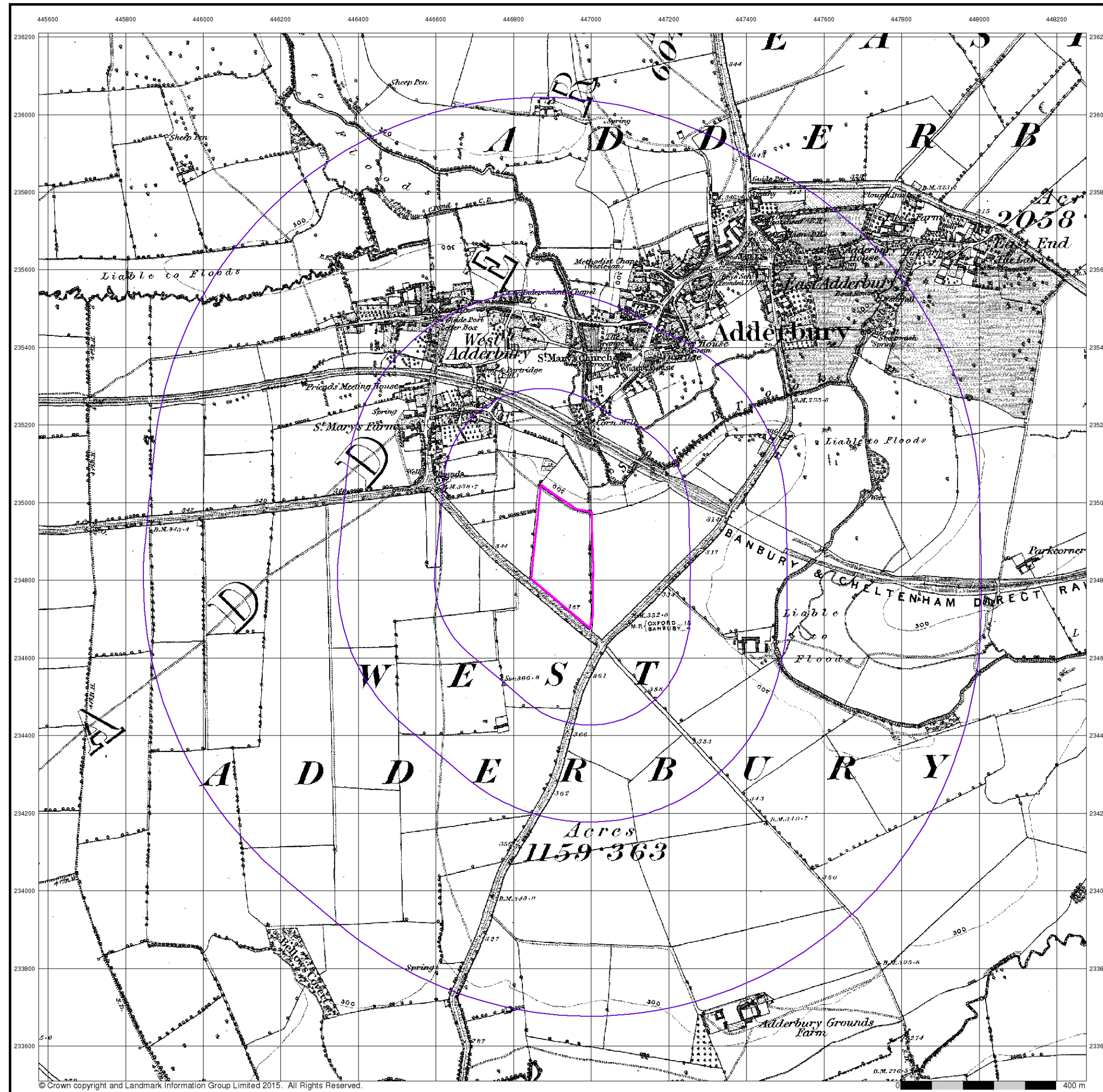
Order Details

Order Number: 129201624_1_1
Customer Ref: 17HSL004
National Grid Reference: 446940, 234860
Slice: A
Site Area (Ha): 4.02
Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF





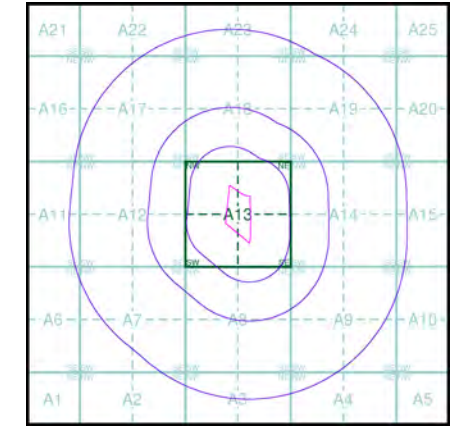
Oxfordshire
Published 1886
Source map scale - 1:10,560

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)

	01000
	1886
	1:10,560

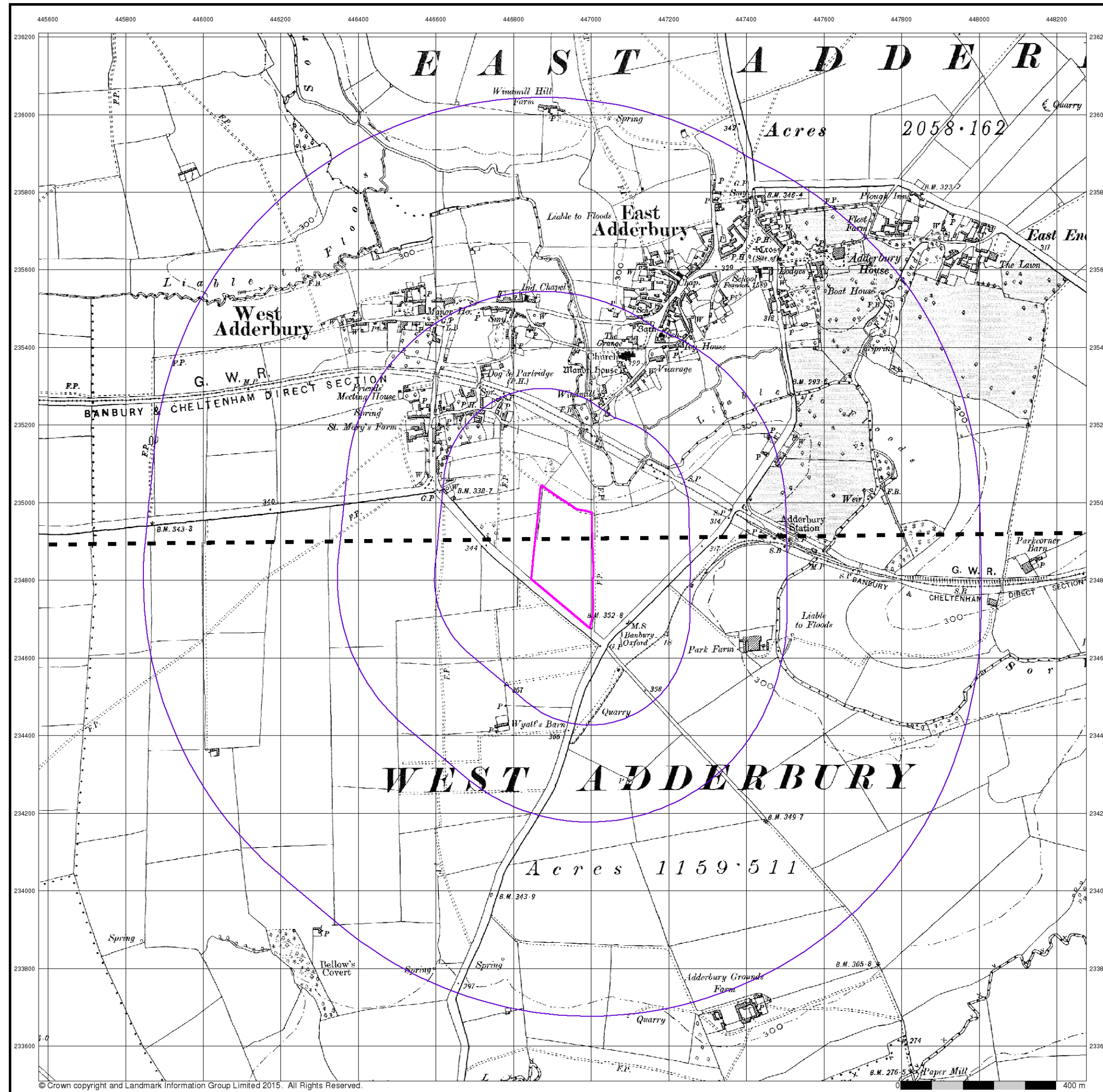
Historical Map - Slice A



Order Details

Order Number:	129201624_1_1
Customer Ref:	17HSL004
National Grid Reference:	446940, 234860
Slice:	A
Site Area (Ha):	4.02
Search Buffer (m):	1000

Site Details
 Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



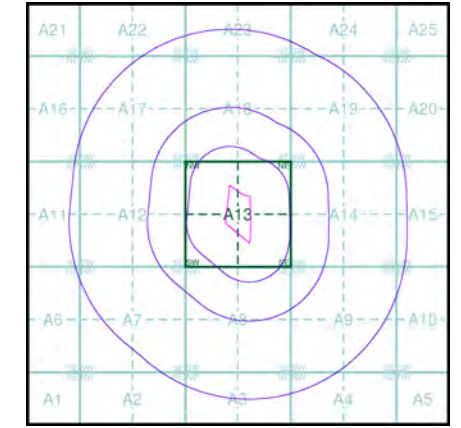
Oxfordshire
Published 1900
Source map scale - 1:10,560

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)

010NW	1900
1:10,560	
010SW	1900
1:10,560	

Historical Map - Slice A

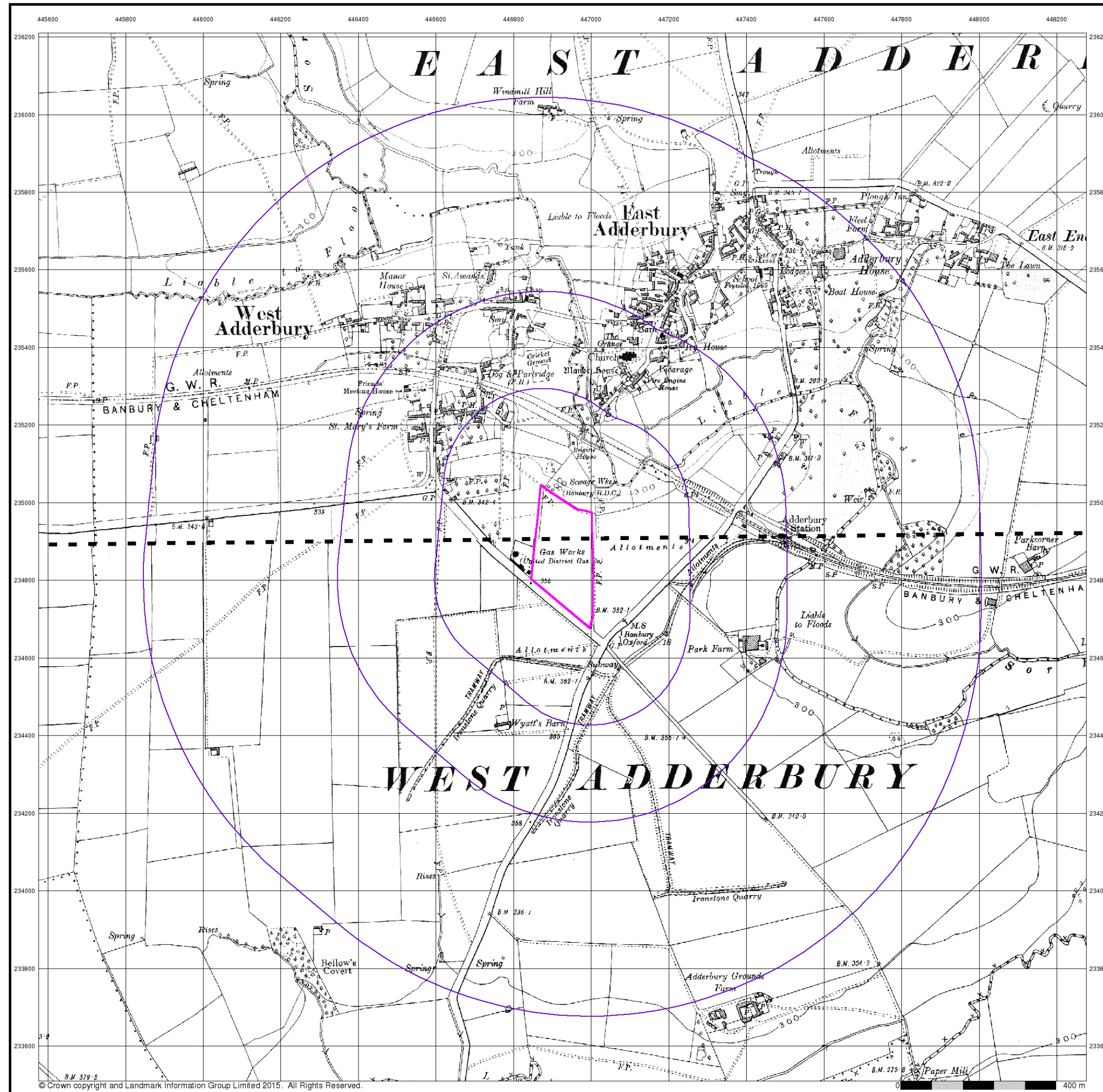


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



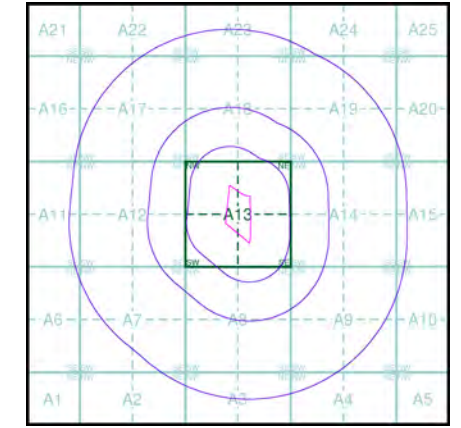
Northamptonshire
Published 1923
Source map scale - 1:10,560

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)

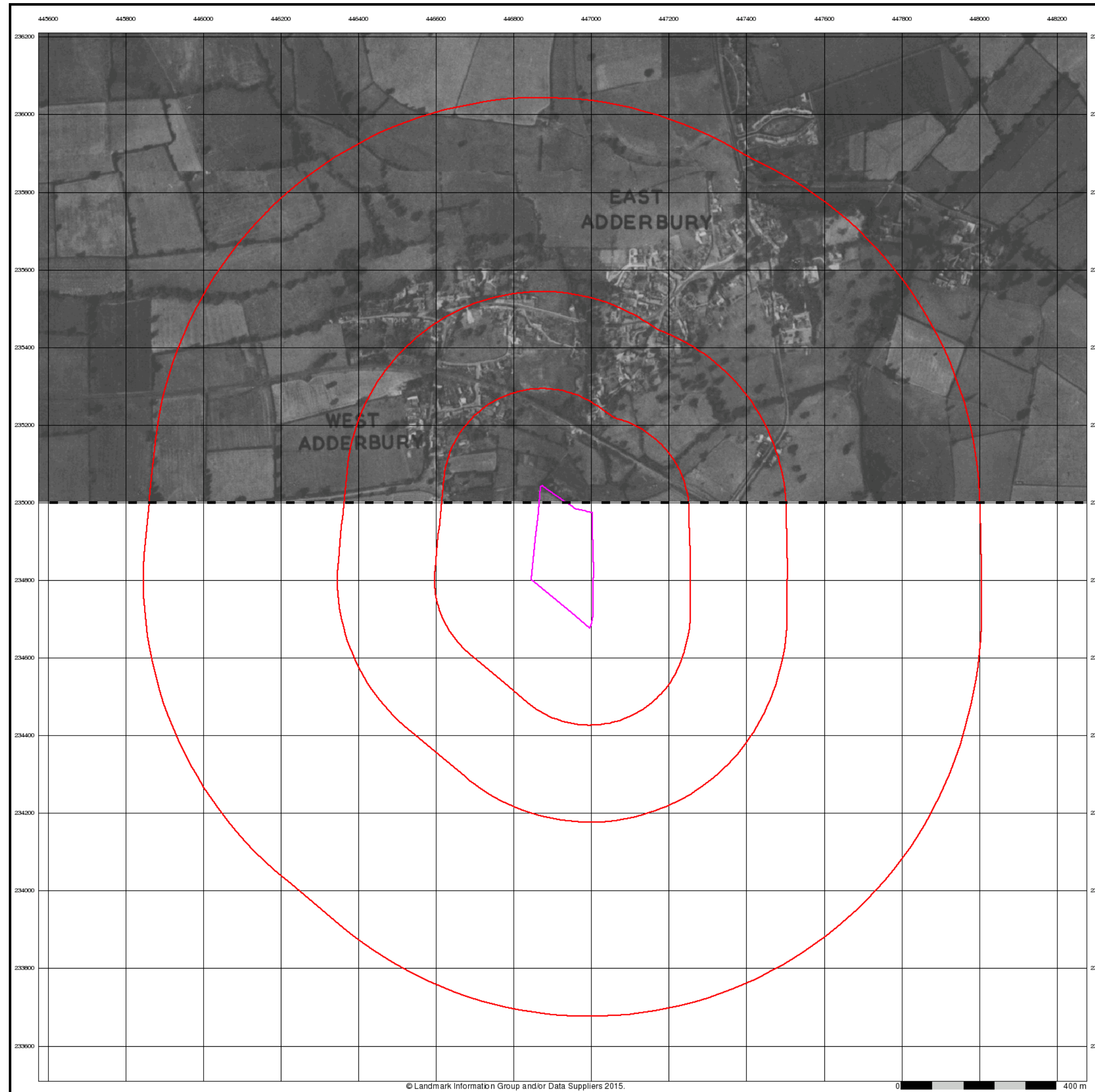
062NW	1923	1:10,560
062SW	1923	1:10,560

Historical Map - Slice A



Order Details
 Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details
 Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



Historical Aerial Photography

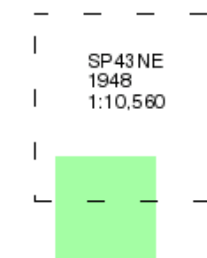
Published 1948

Source map scale - 1:10,560

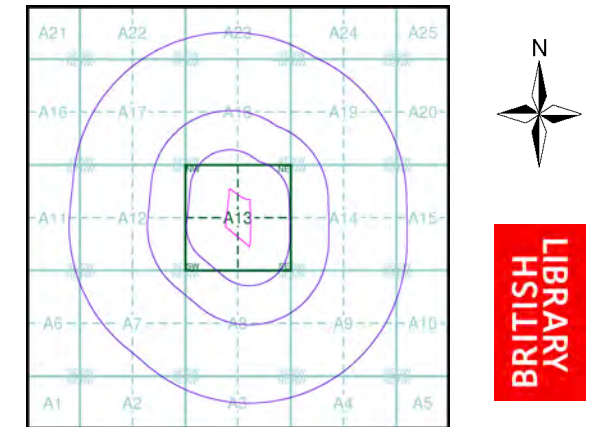
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A

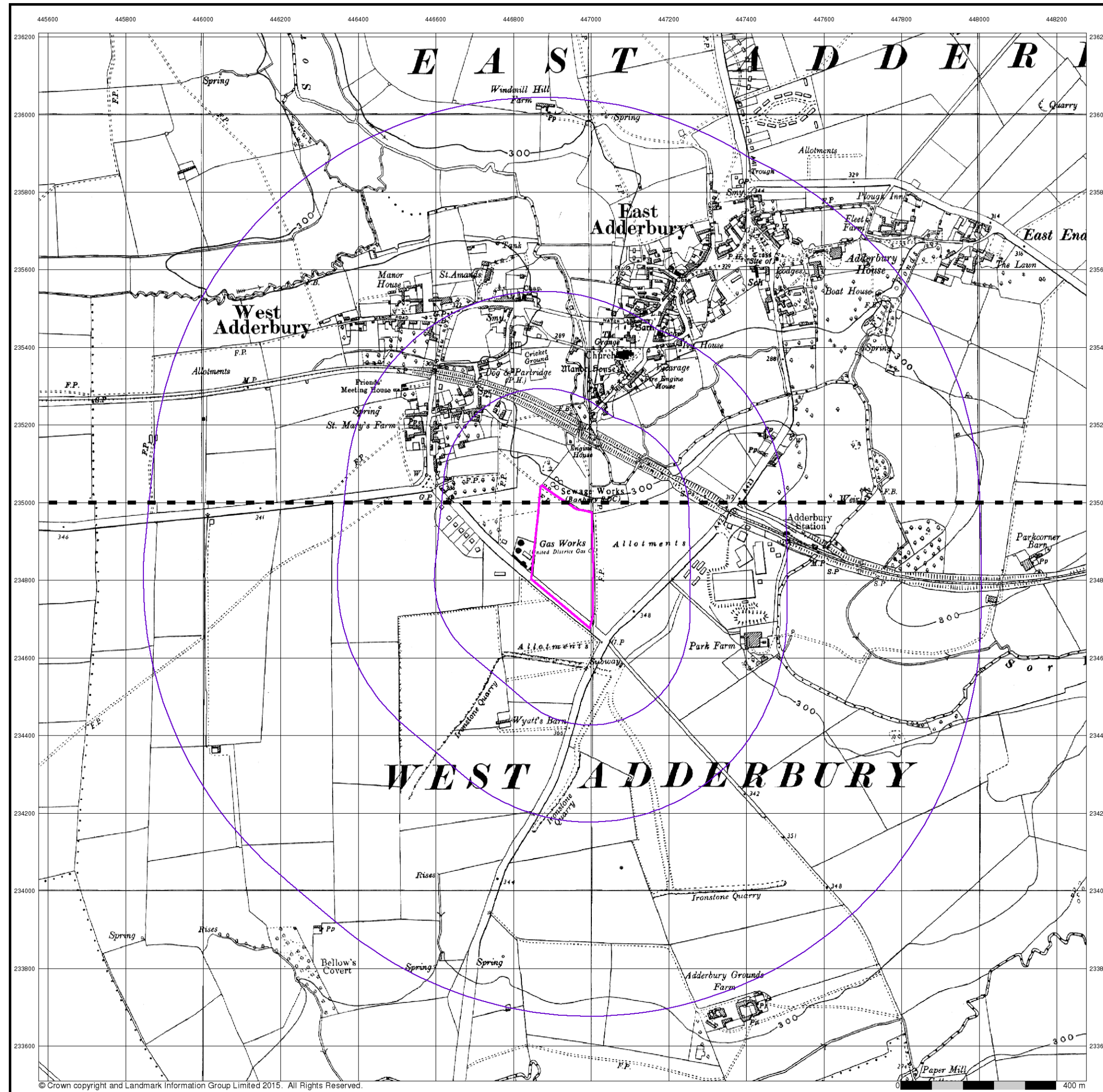


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



Ordnance Survey Plan

Published 1955

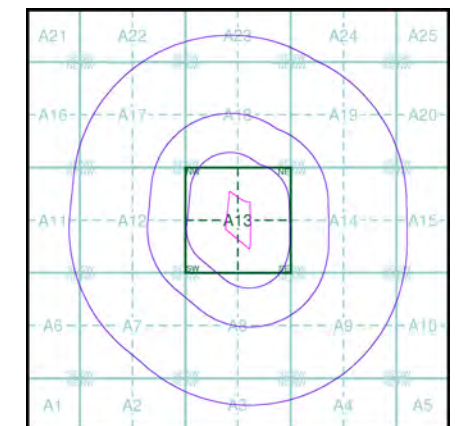
Source map scale - 1:10,000

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)

SP43NE	1955
1:10,560	
SP43SE	1955
1:10,560	

Historical Map - Slice A

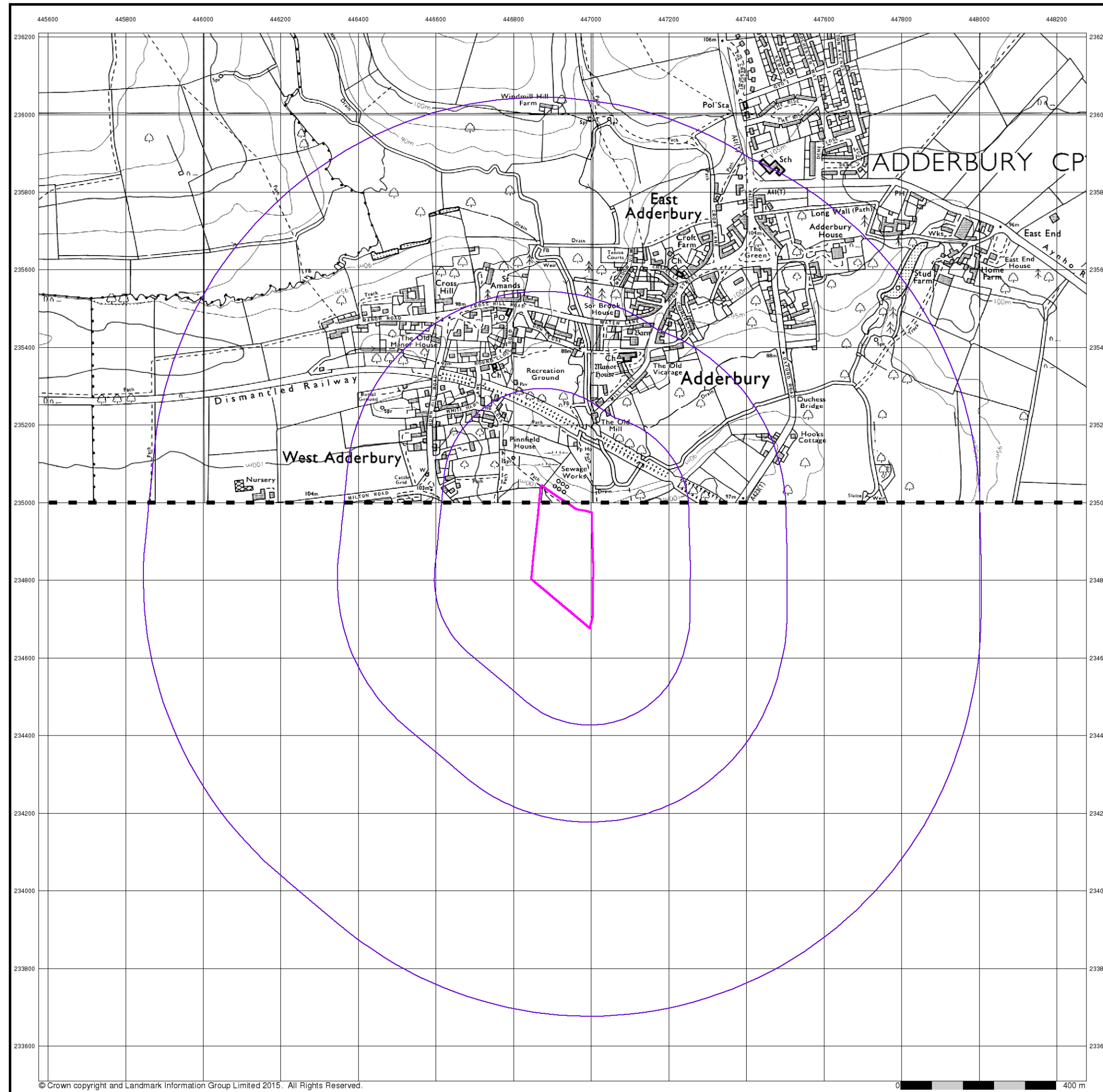


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



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0 400 m

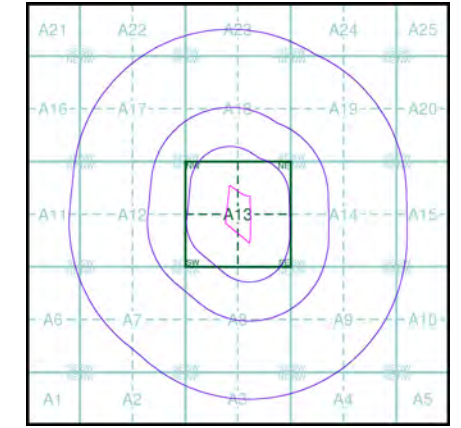
Ordnance Survey Plan Published 1977 Source map scale - 1:10,000

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)

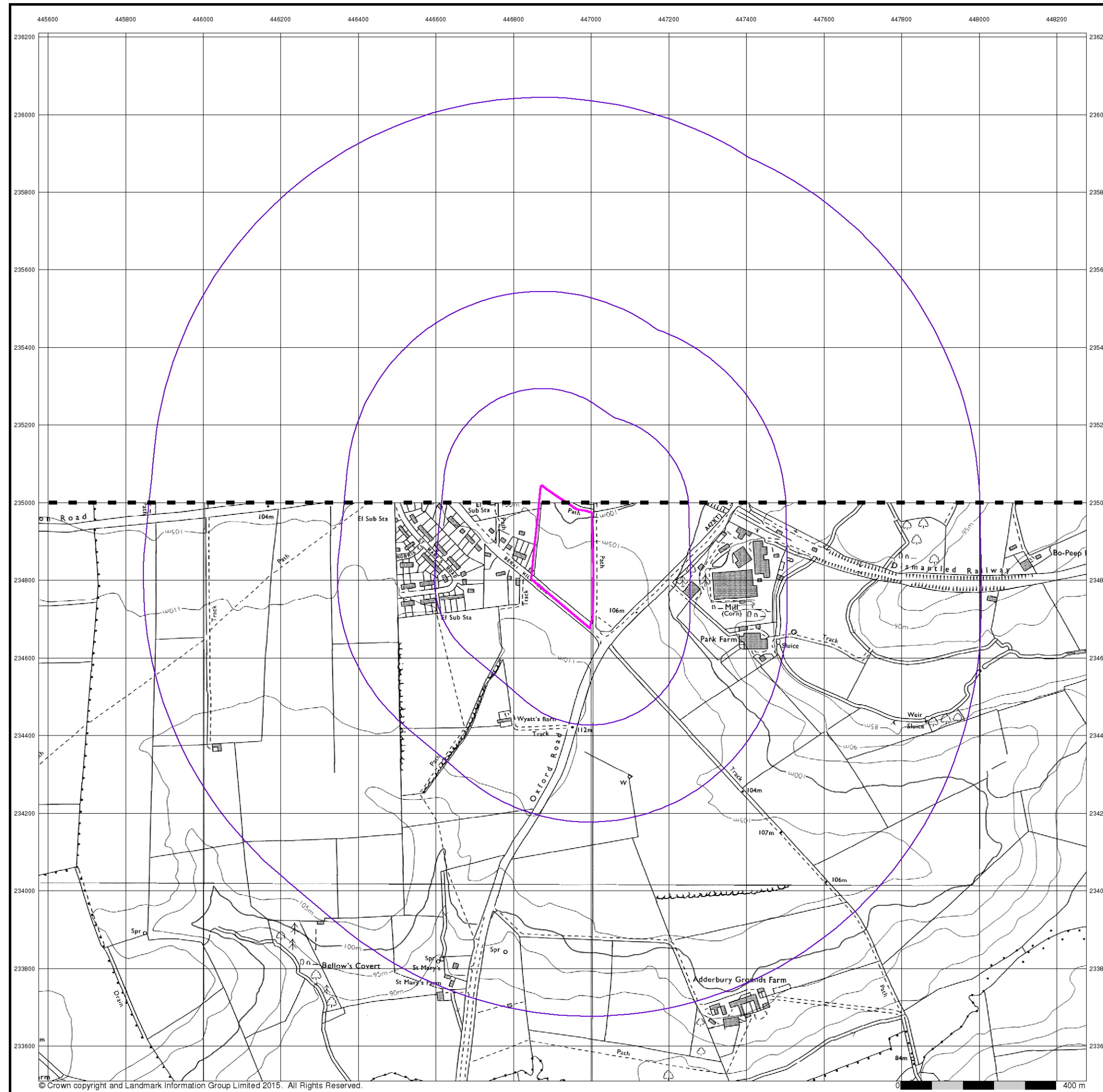
SP43NE
1977
1:10,000

Historical Map - Slice A



Order Details
 Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

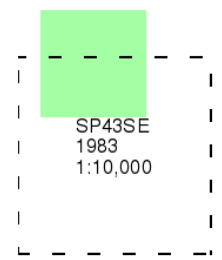
Site Details
 Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



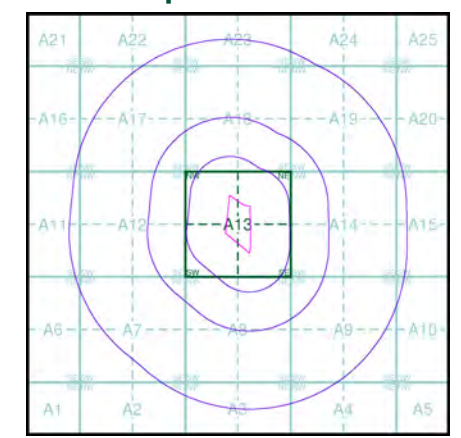
Ordnance Survey Plan Published 1983 Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

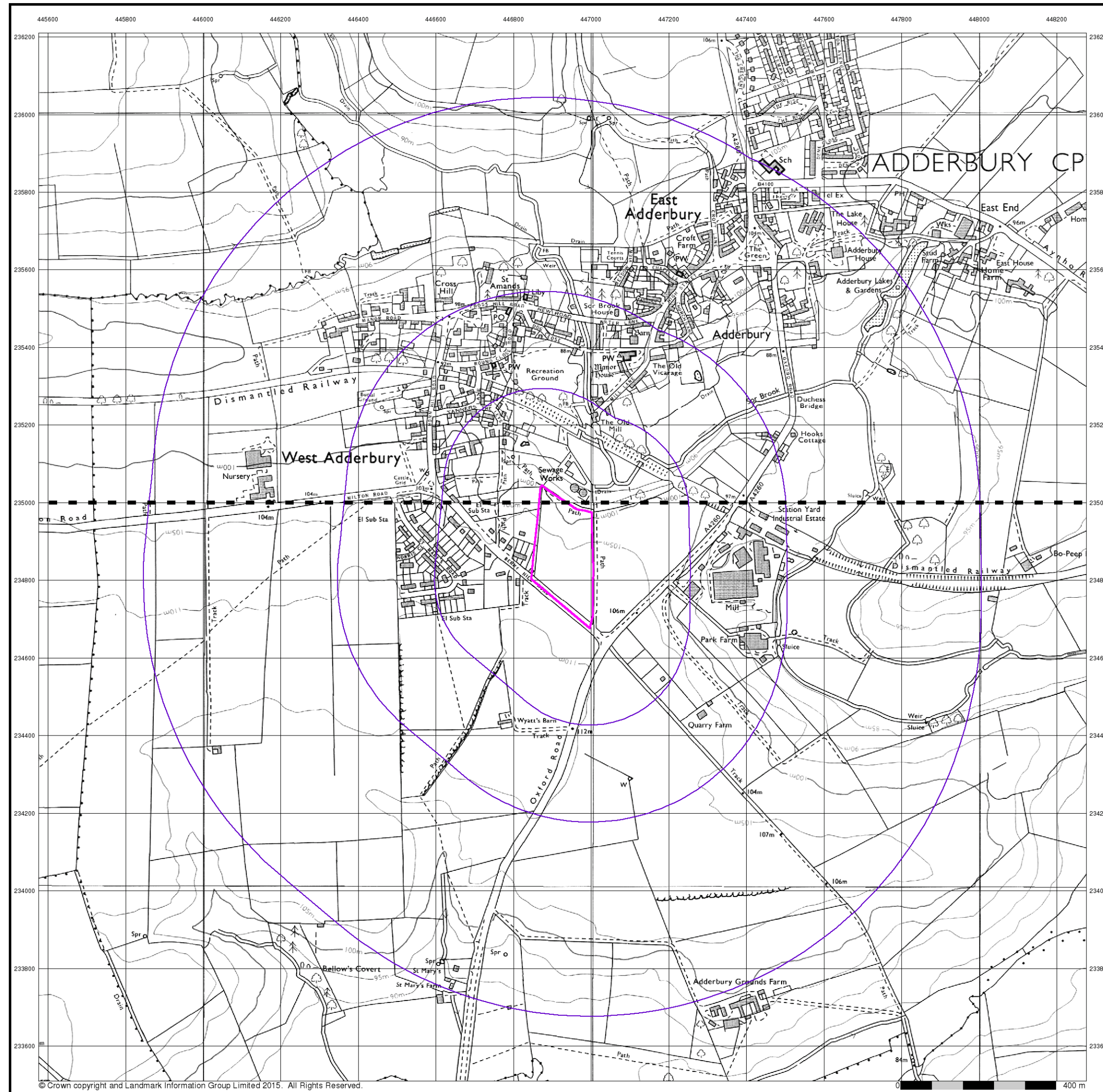


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



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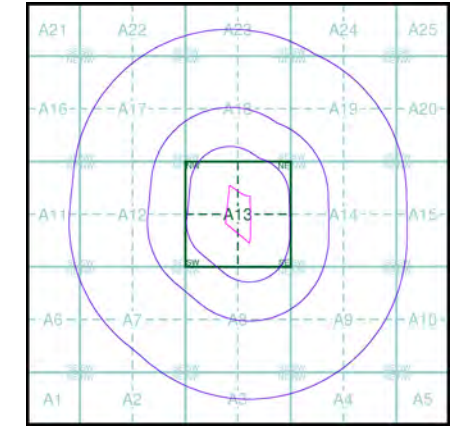
Ordnance Survey Plan Published 1993 - 1994 Source map scale - 1:10,000

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)

SP43NE	1993	1:10,000
SP43SE	1994	1:10,000

Historical Map - Slice A

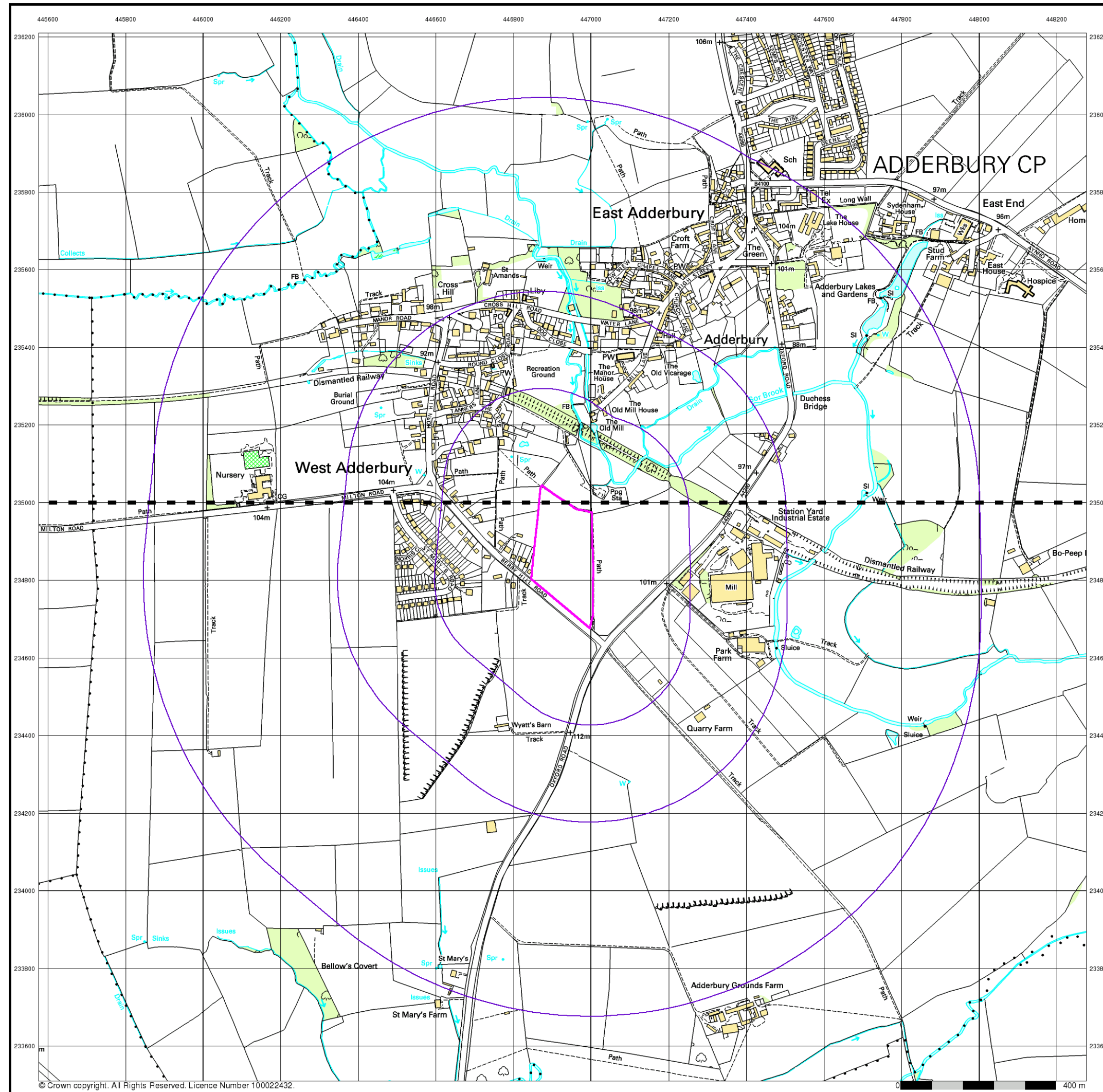


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



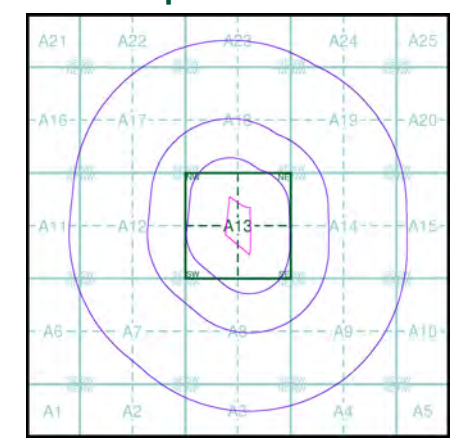
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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)

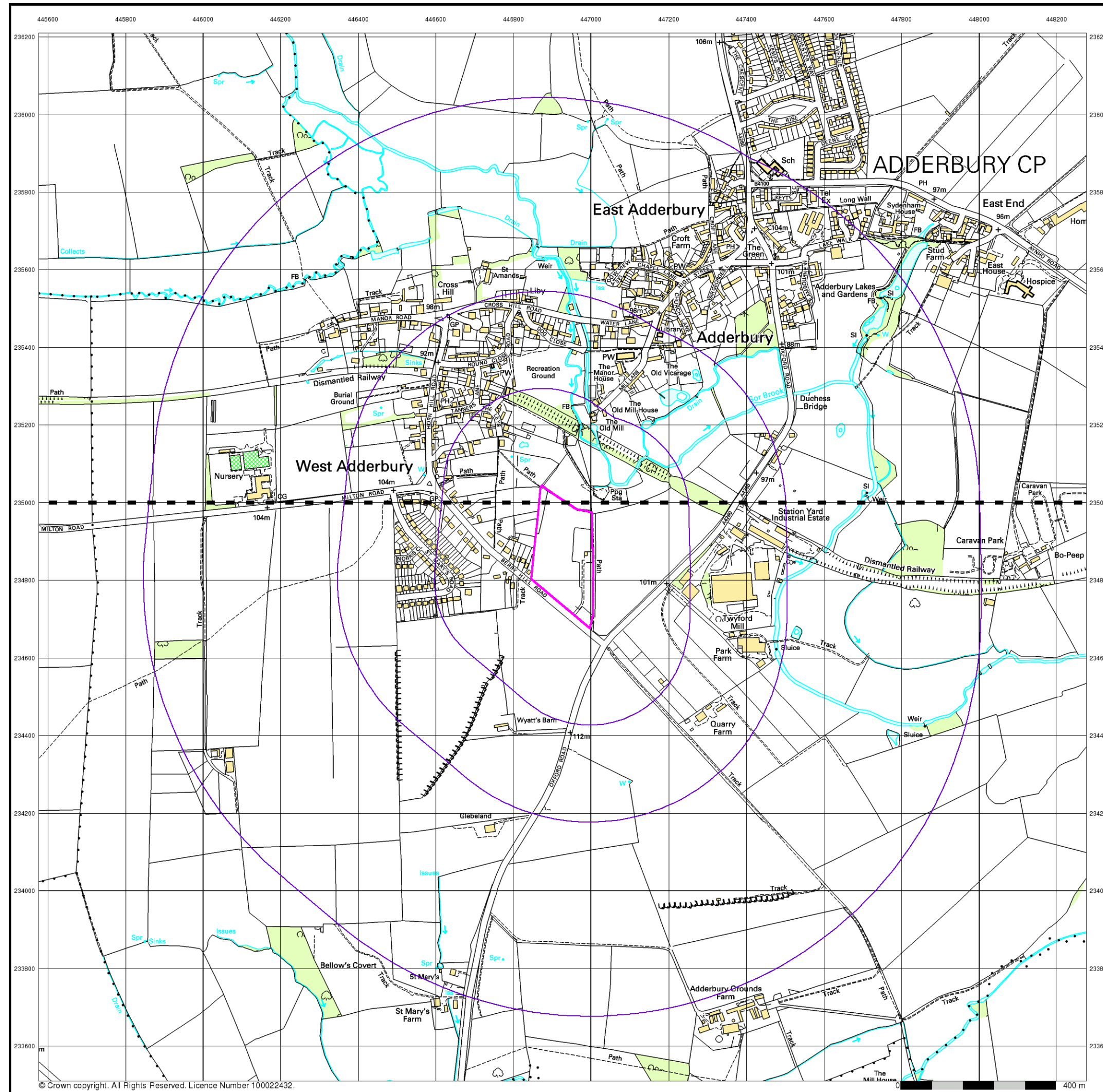
- SP43NE | 1999 | 1:10,000
- SP43SE | 1999 | 1:10,000

Historical Map - Slice A



Order Details
 Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details
 Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



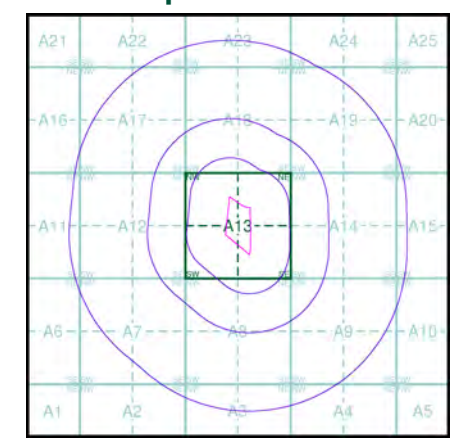
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SP43NE	2006	1:10,000
SP43SE	2006	1:10,000

Historical Map - Slice A



Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



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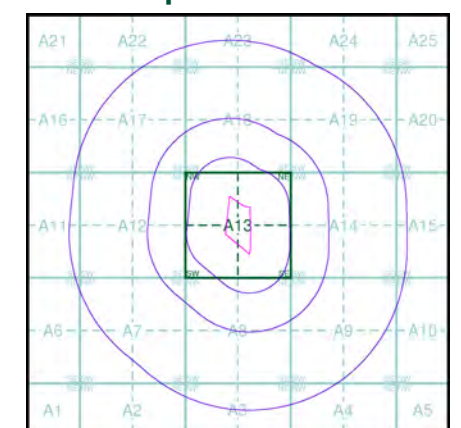
VectorMap Local
Published 2017
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

- SP43NE | 2017 | Variable
- SP43SE | 2017 | Variable

Historical Map - Slice A



Order Details

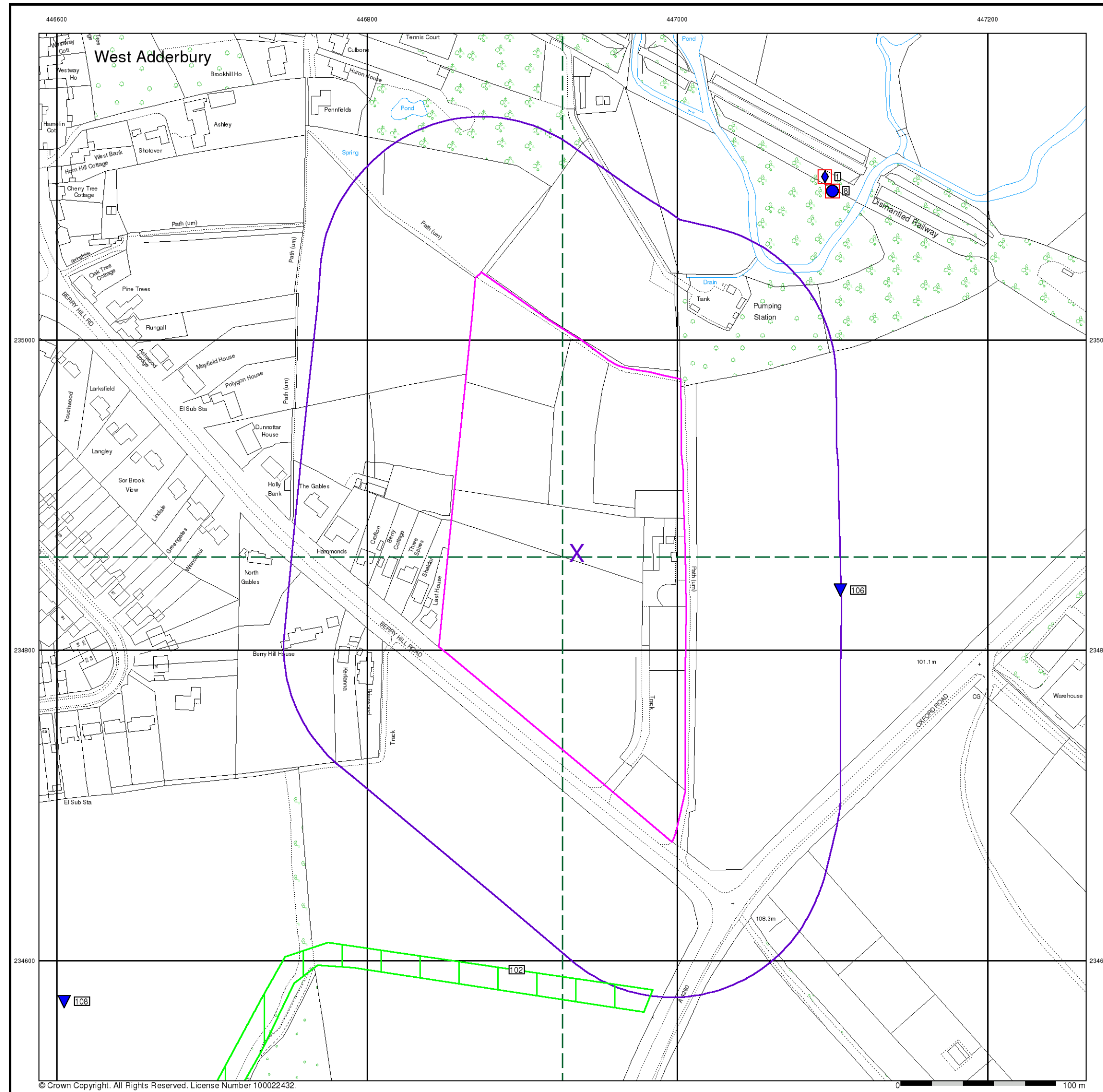
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 Customer Ref: 17HSL004
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Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

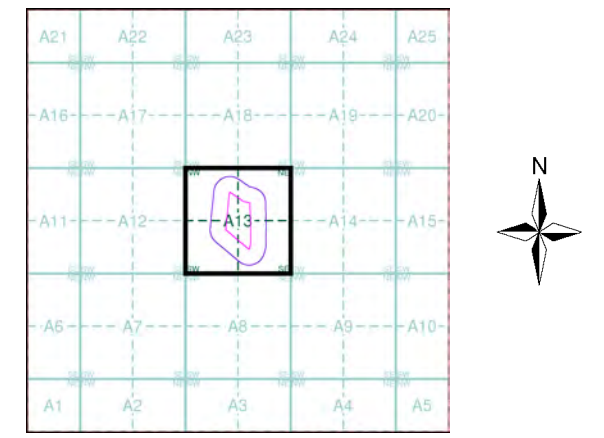
APPENDIX C

- (i) Envirocheck Report



- 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 Enforcement
 - 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
- 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 (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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



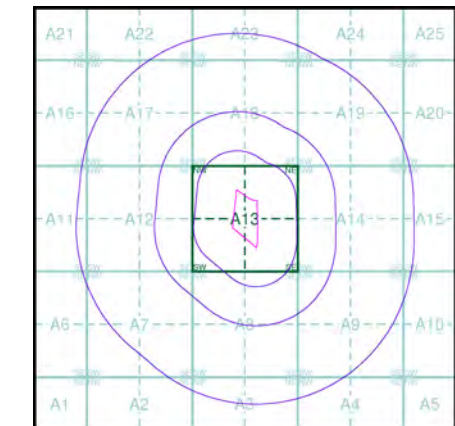
Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Plot Buffer (m): 100

Site Details
 Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

- 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)
 - 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
- 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)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A

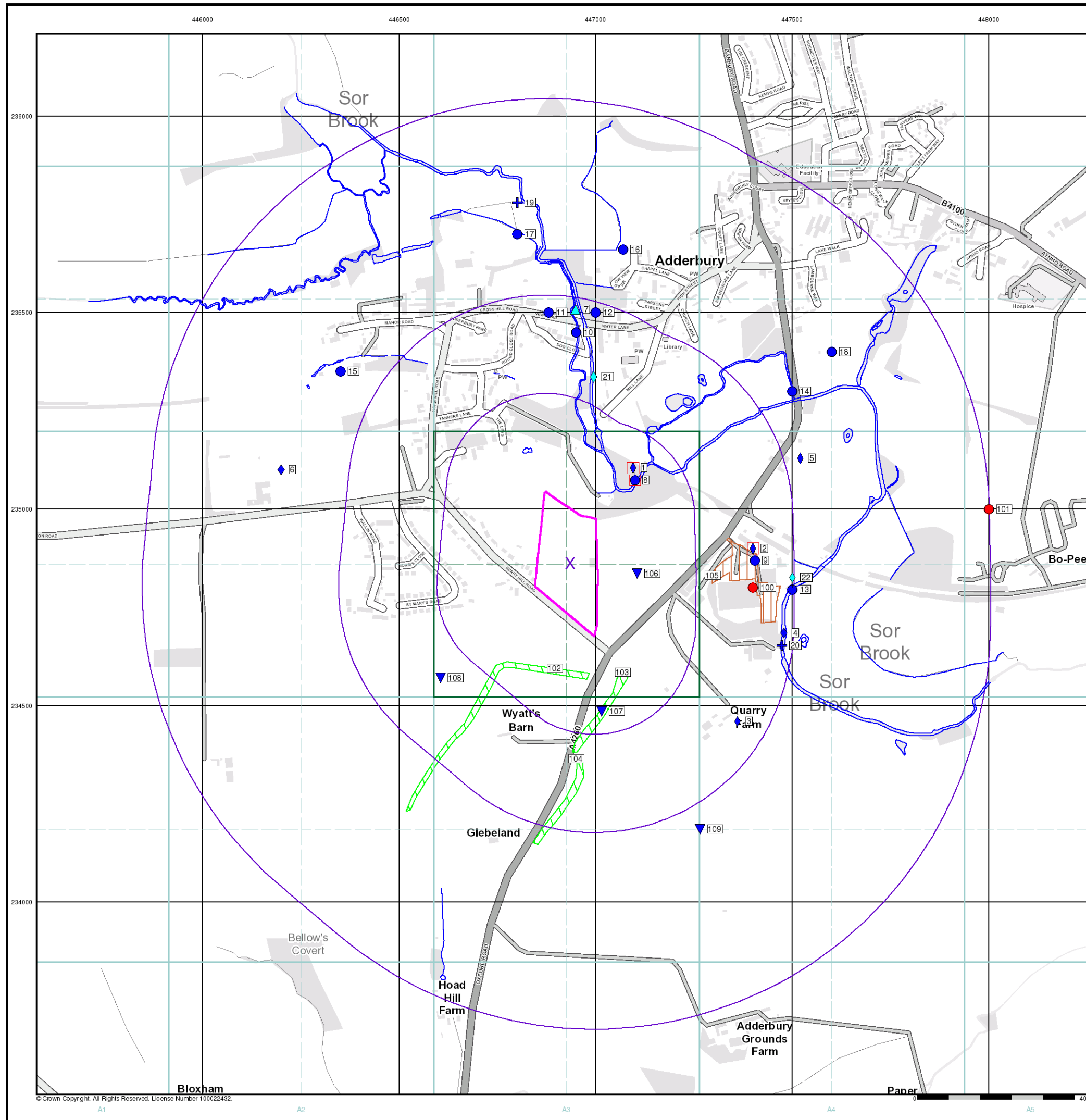


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000






Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF












Industrial Land Use Map

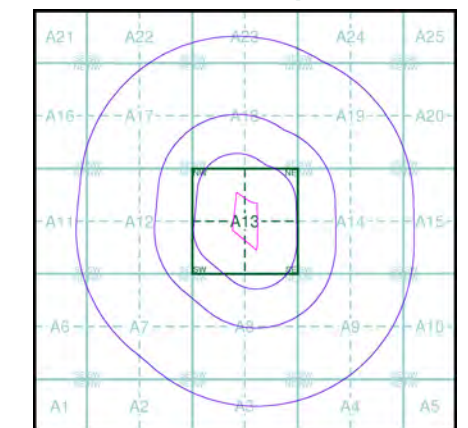
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A

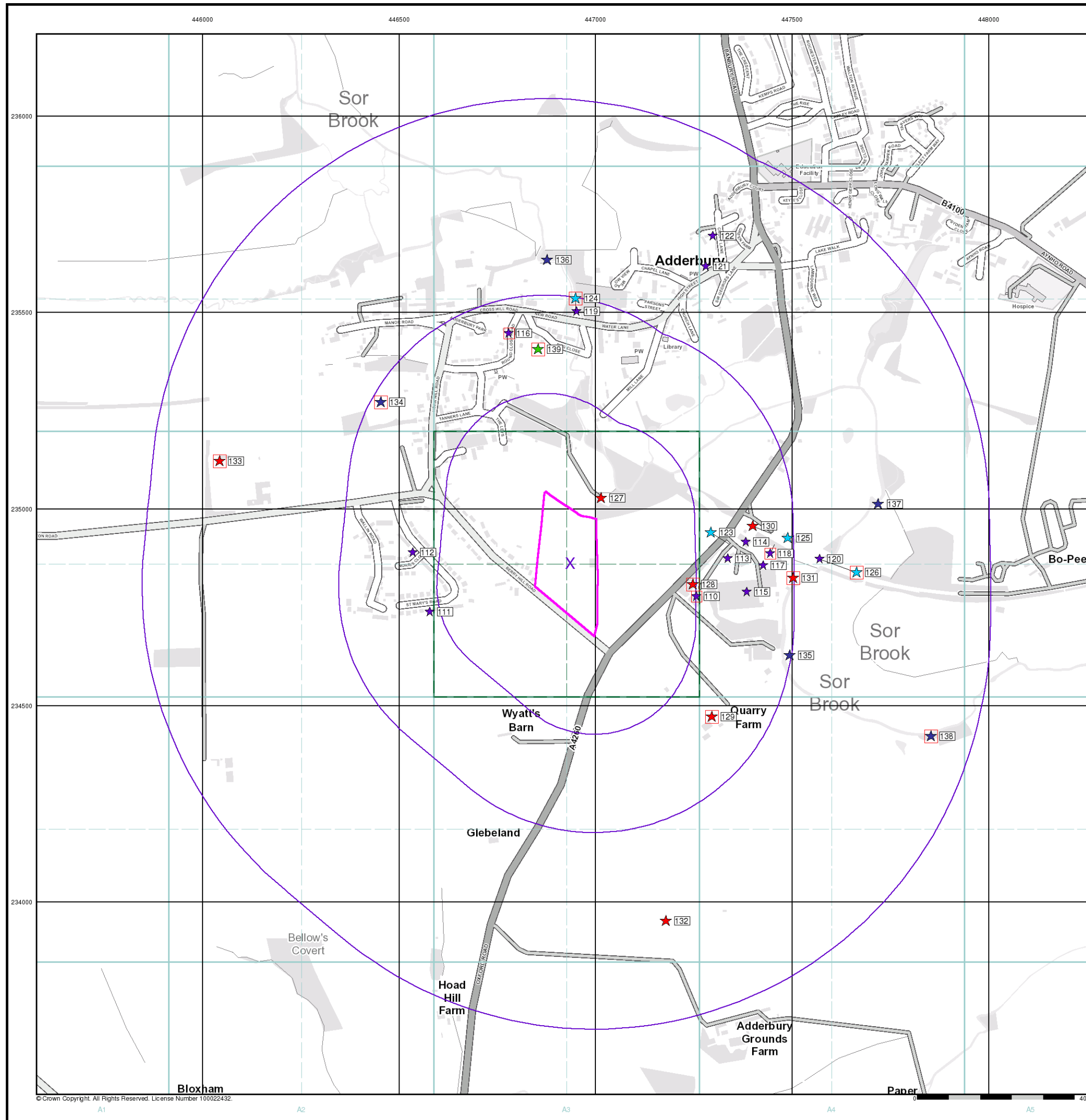


Order Details




Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details






Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



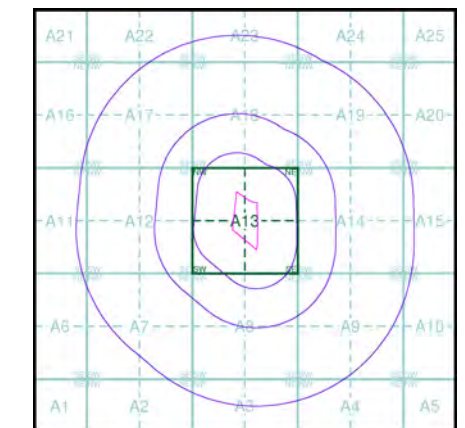
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

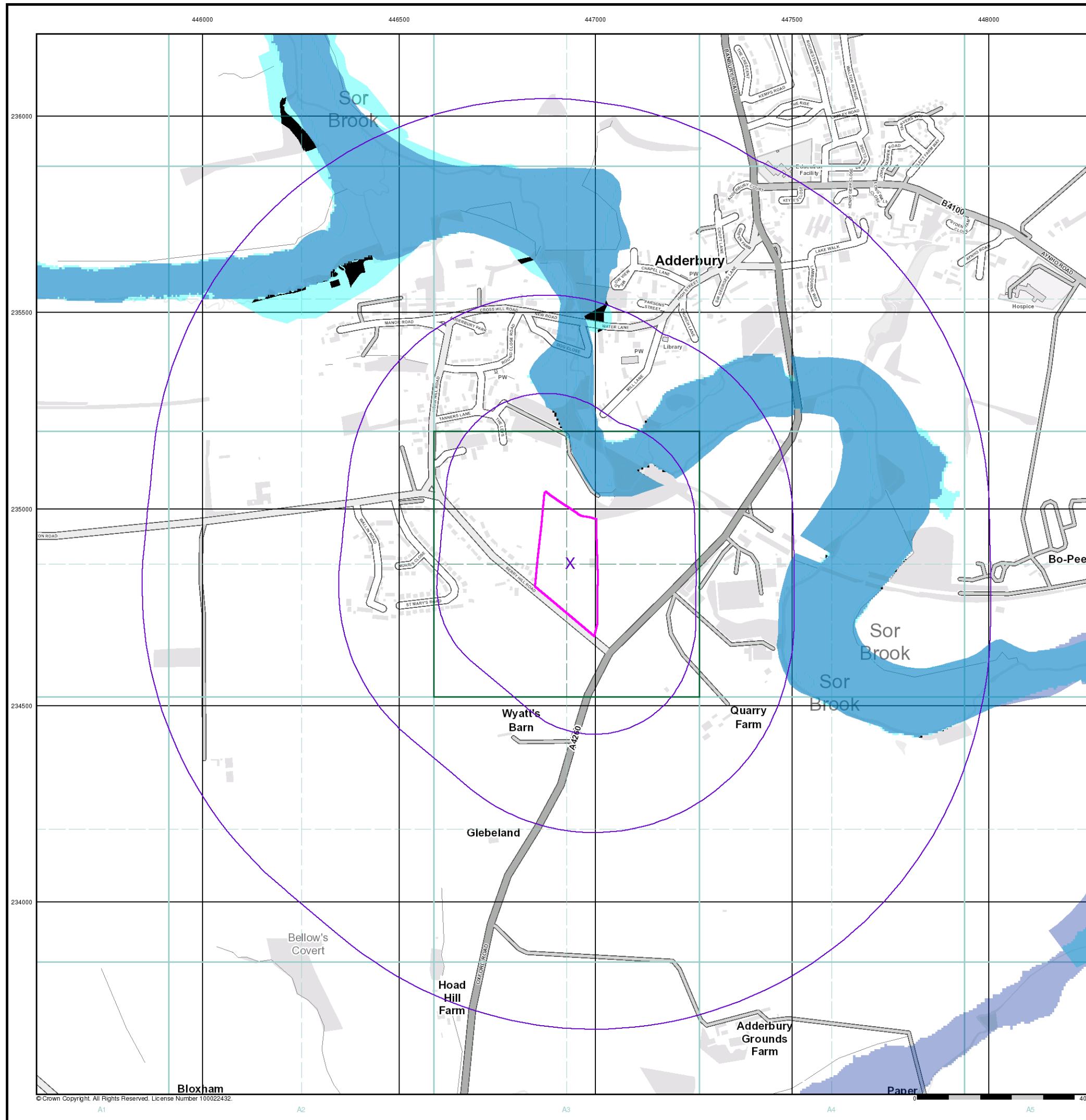


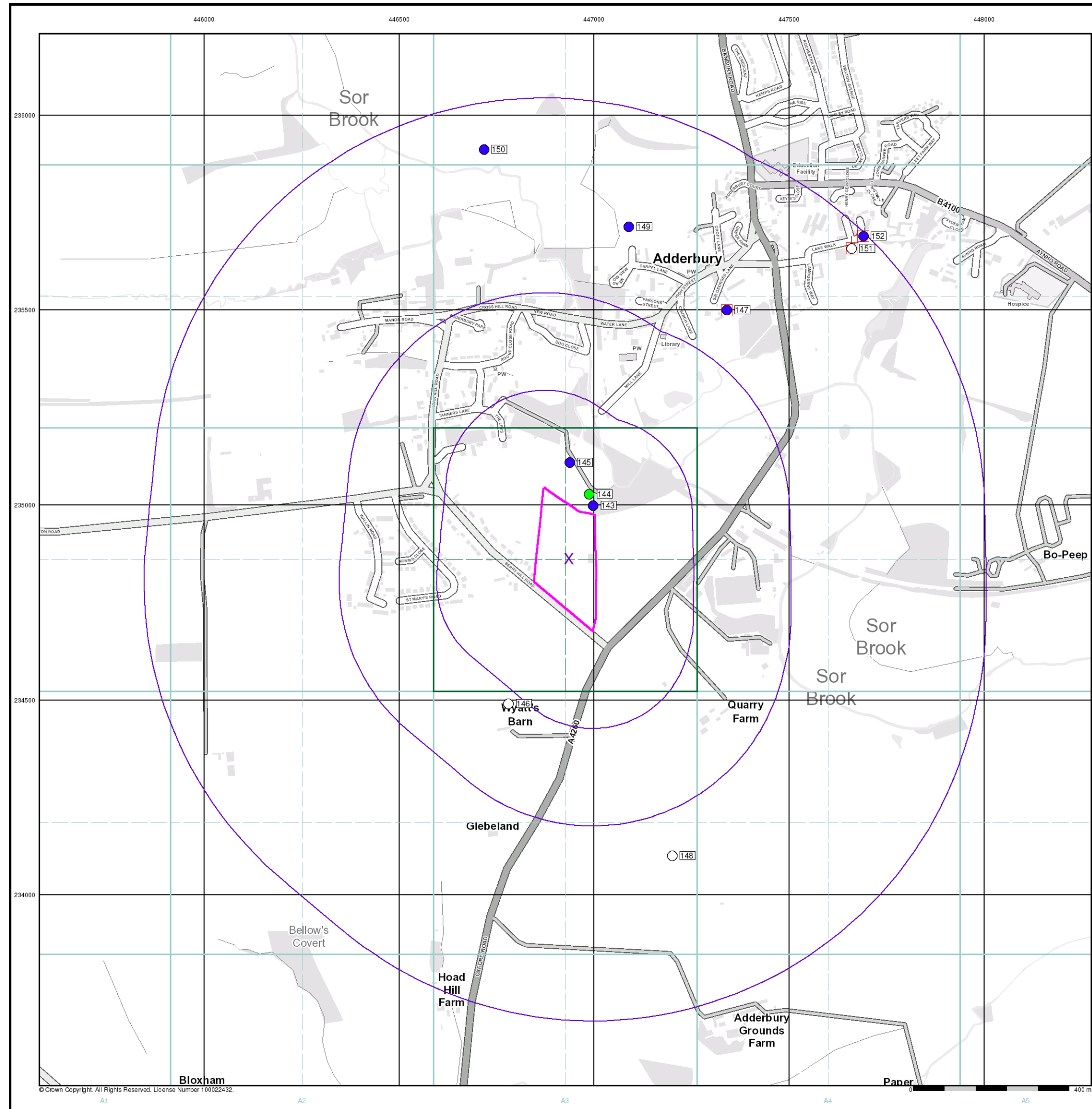
Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF





General

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

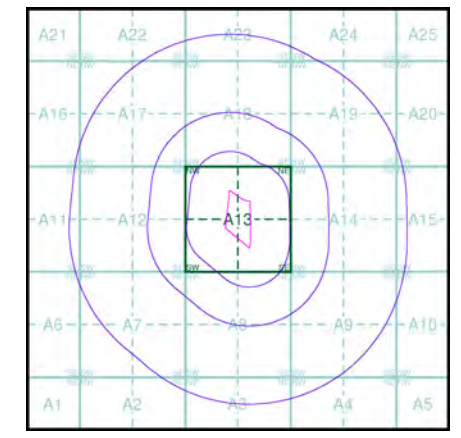
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

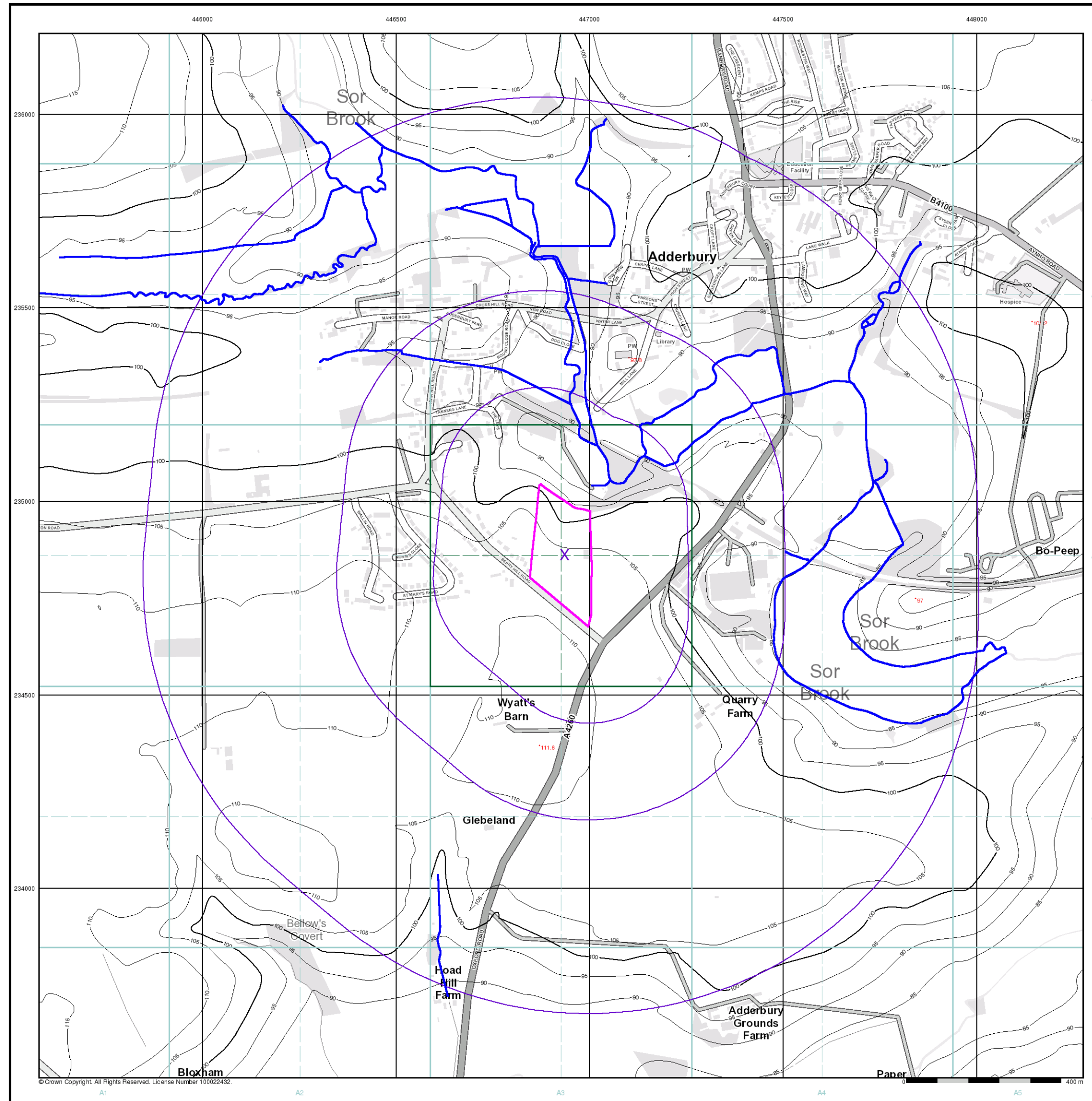


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

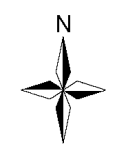
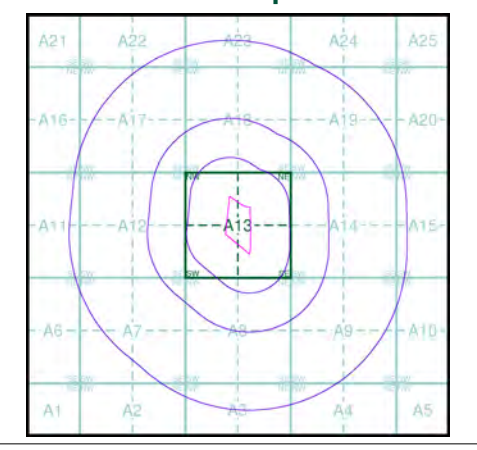


- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

- Contours (height in meters)**
- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW Mean Low Water
 - MHW Mean High Water

OS Water Network Map - Slice A






Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details
 Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

General

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

Risk of Flooding from Surface Water

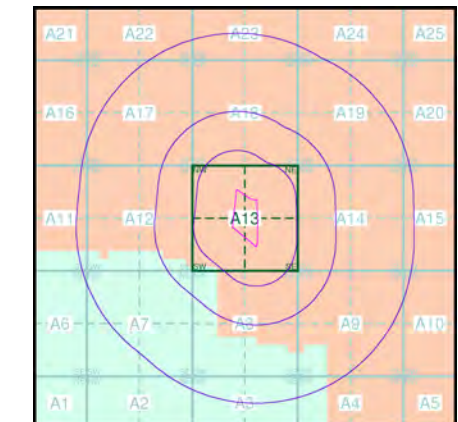
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A

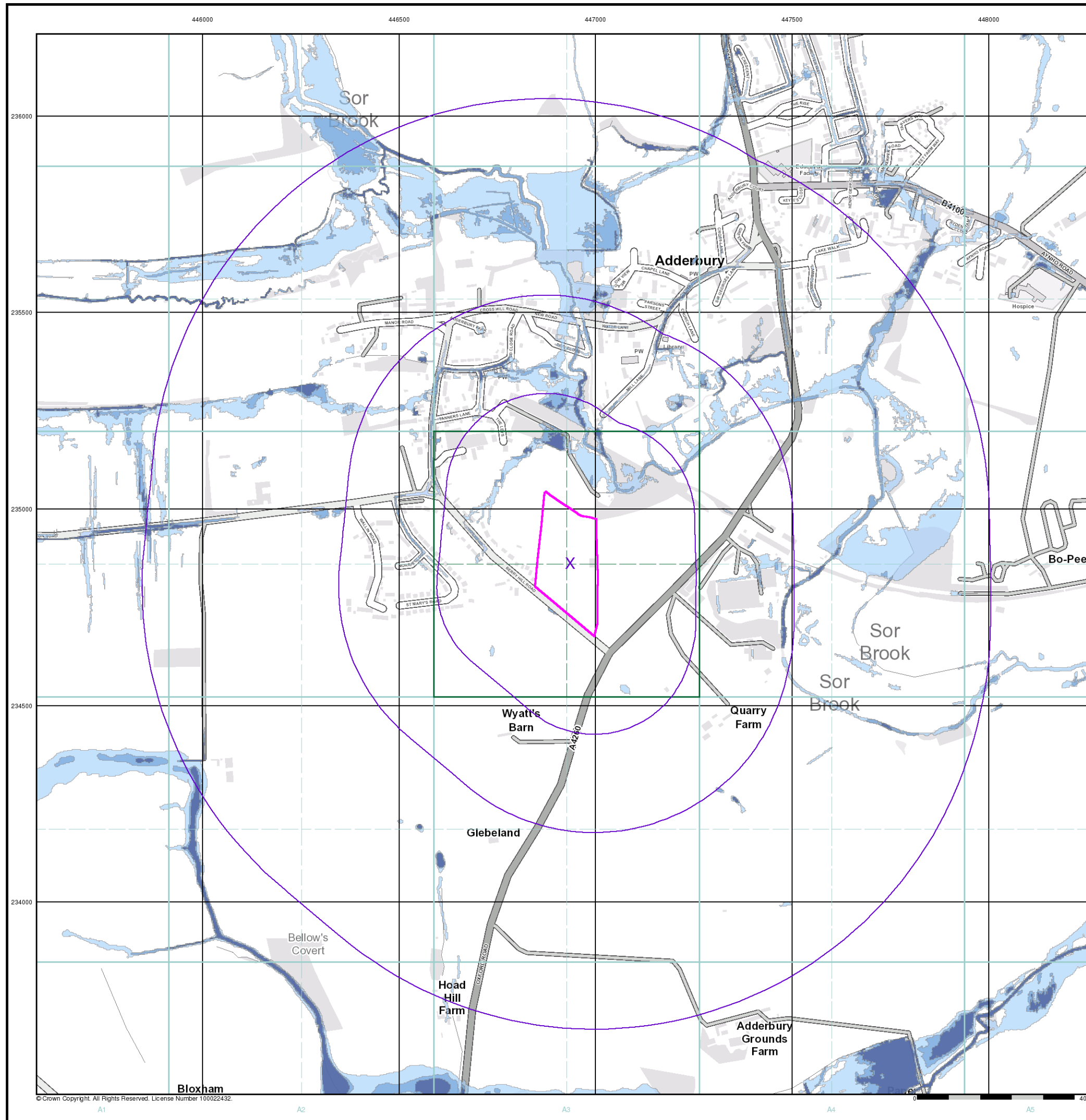


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

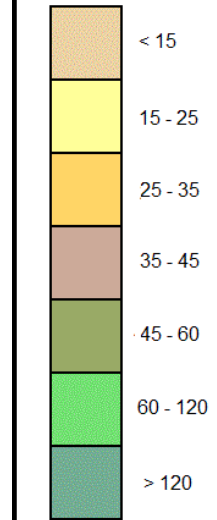


General

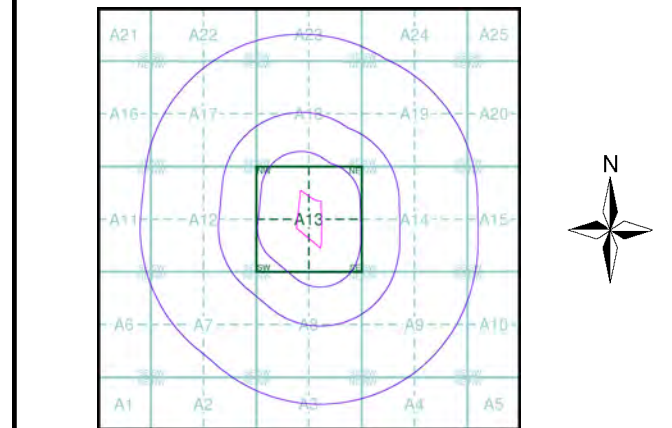
✦ Specified Site
 ○ Specified Buffer(s)
 ✕ Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

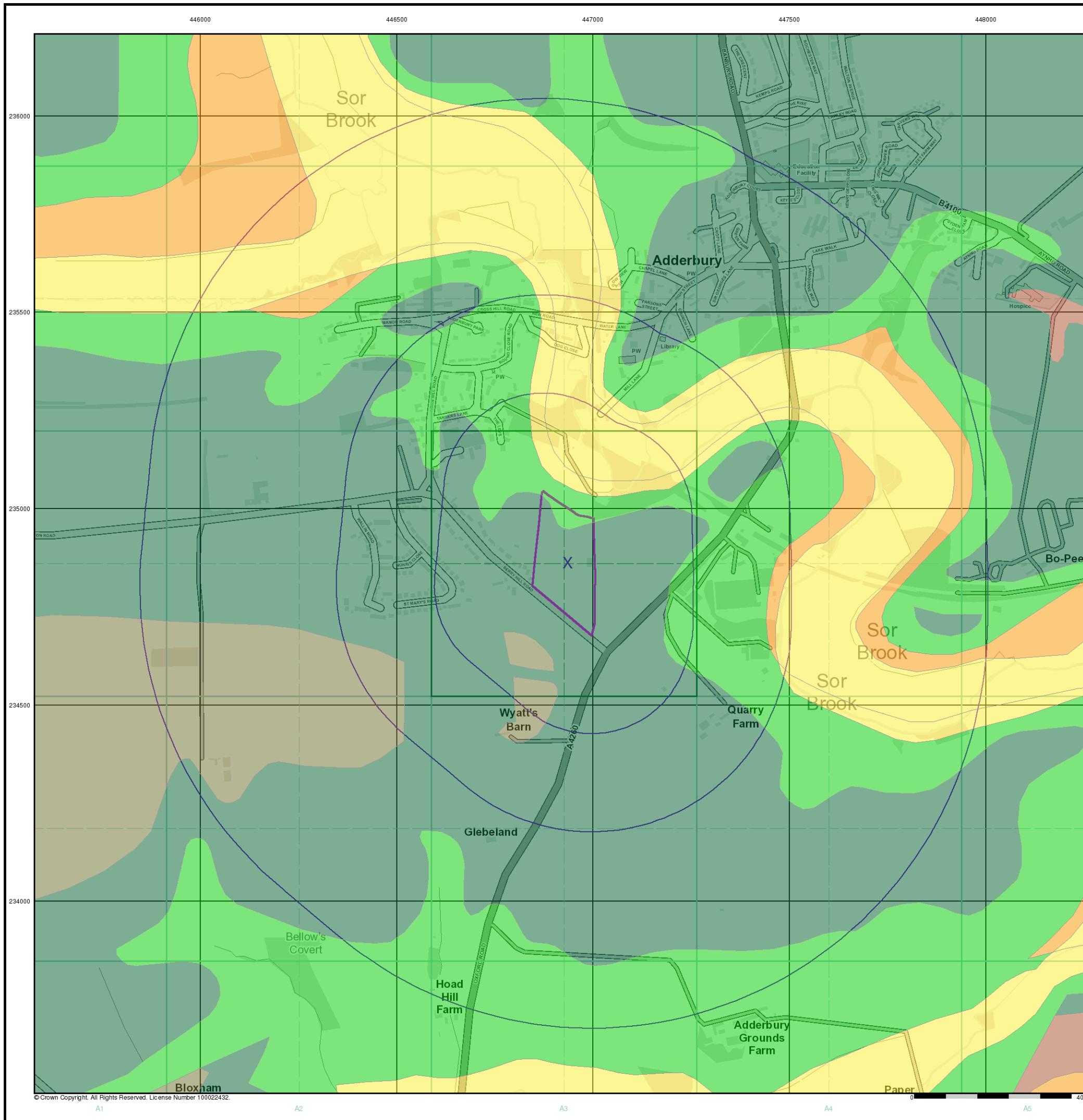


Order Details

Order Details: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



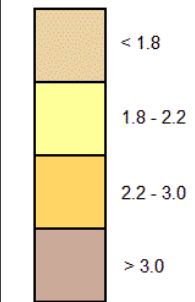
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General

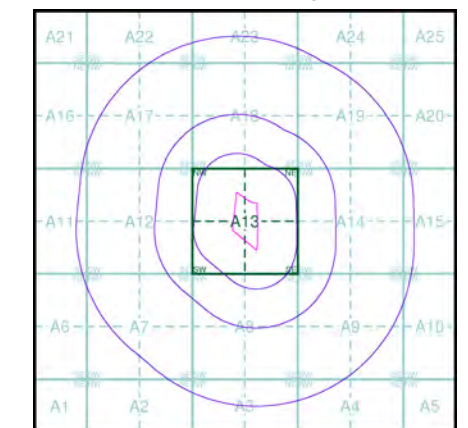
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



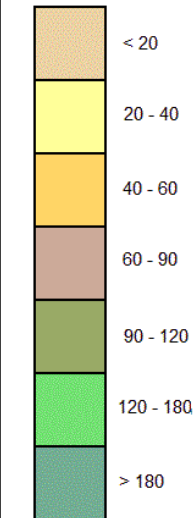
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General

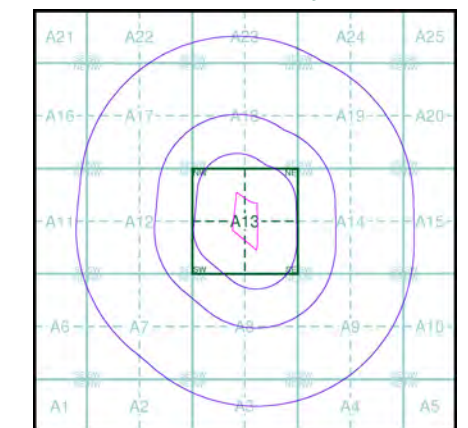
- ✱ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

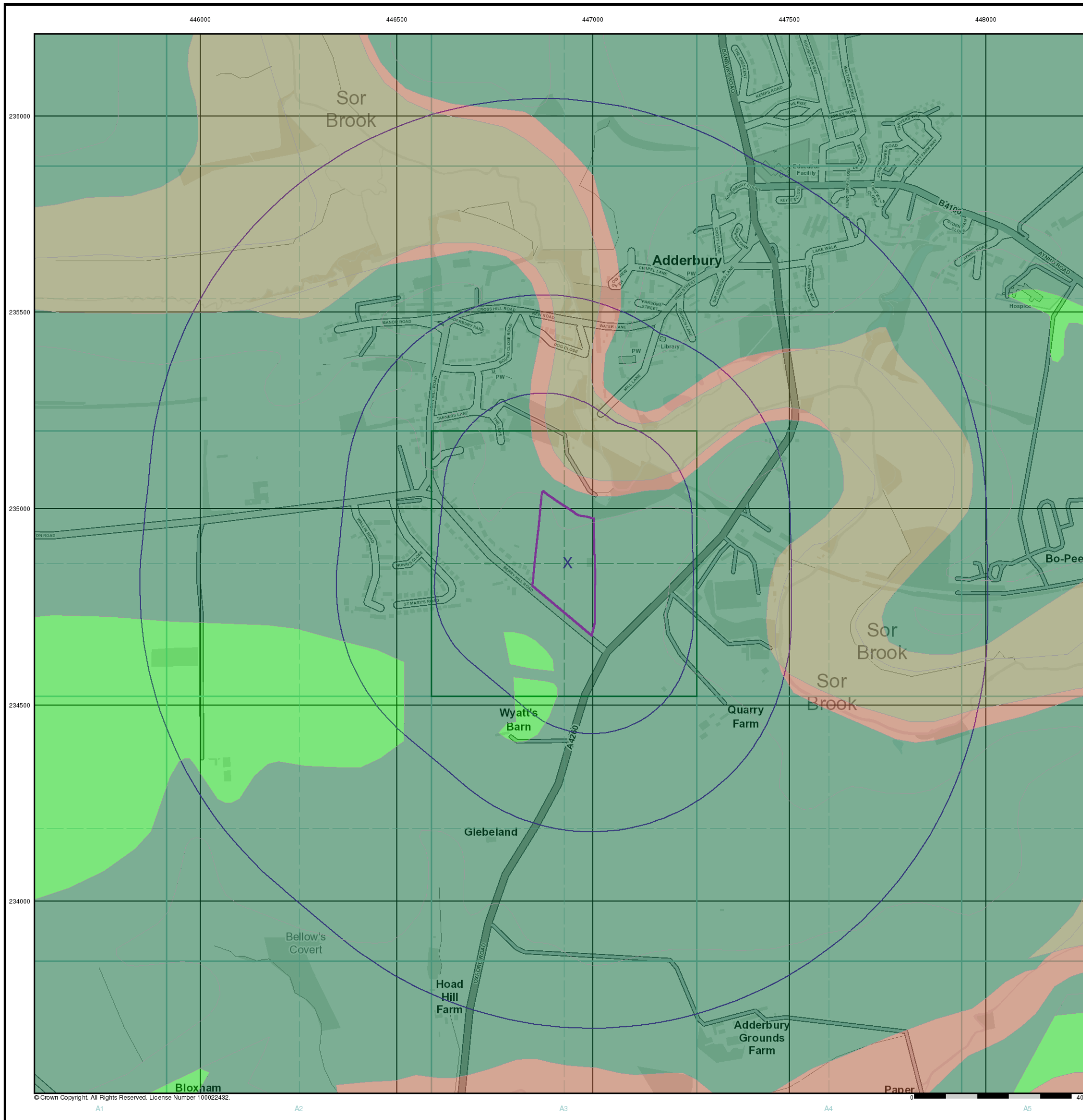


Order Details

Order Details: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



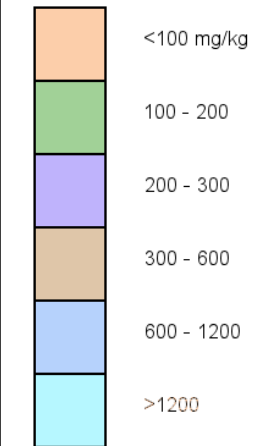
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General

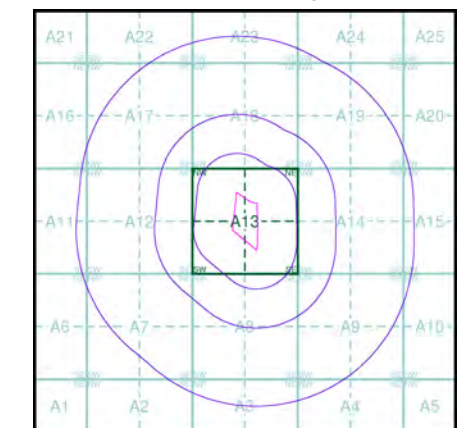
- ✱ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

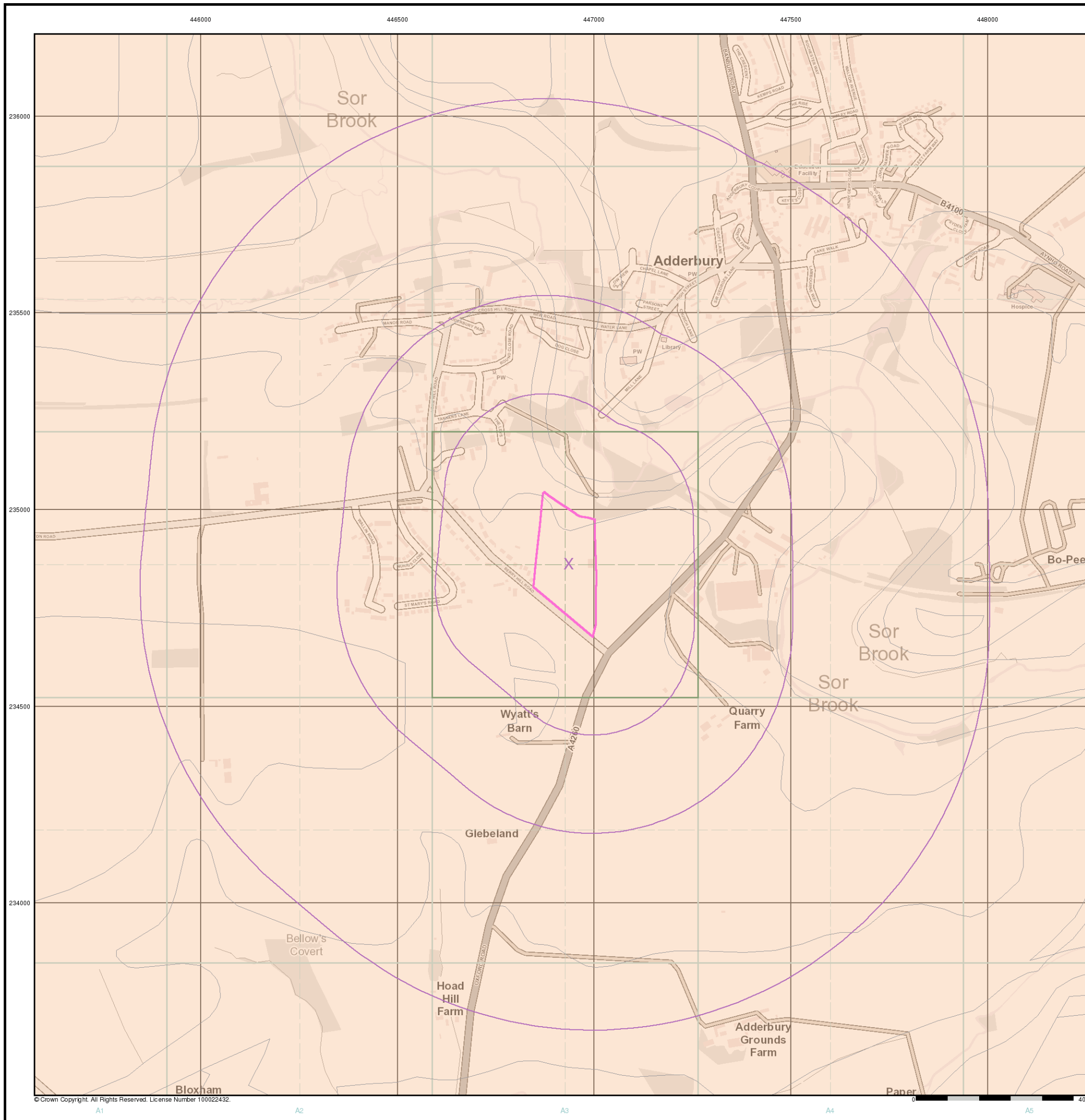


Order Details

Order Details: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



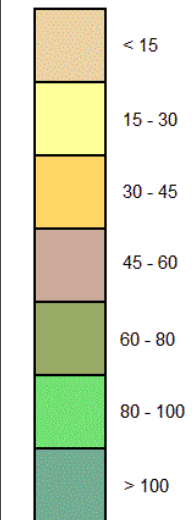
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General

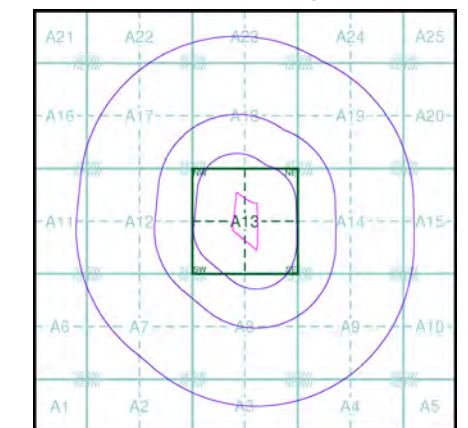
- ✱ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

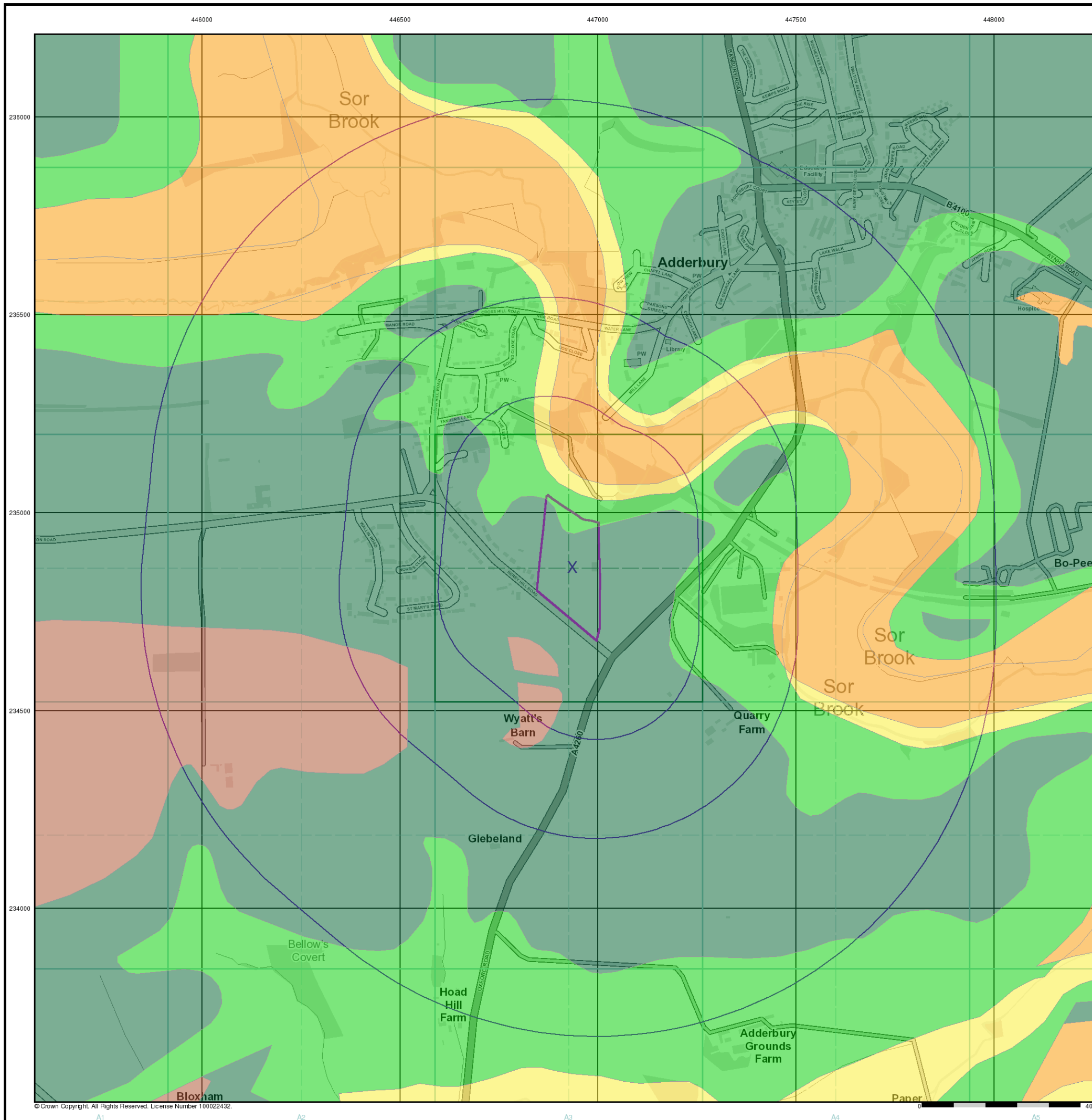


Order Details

Order Details: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

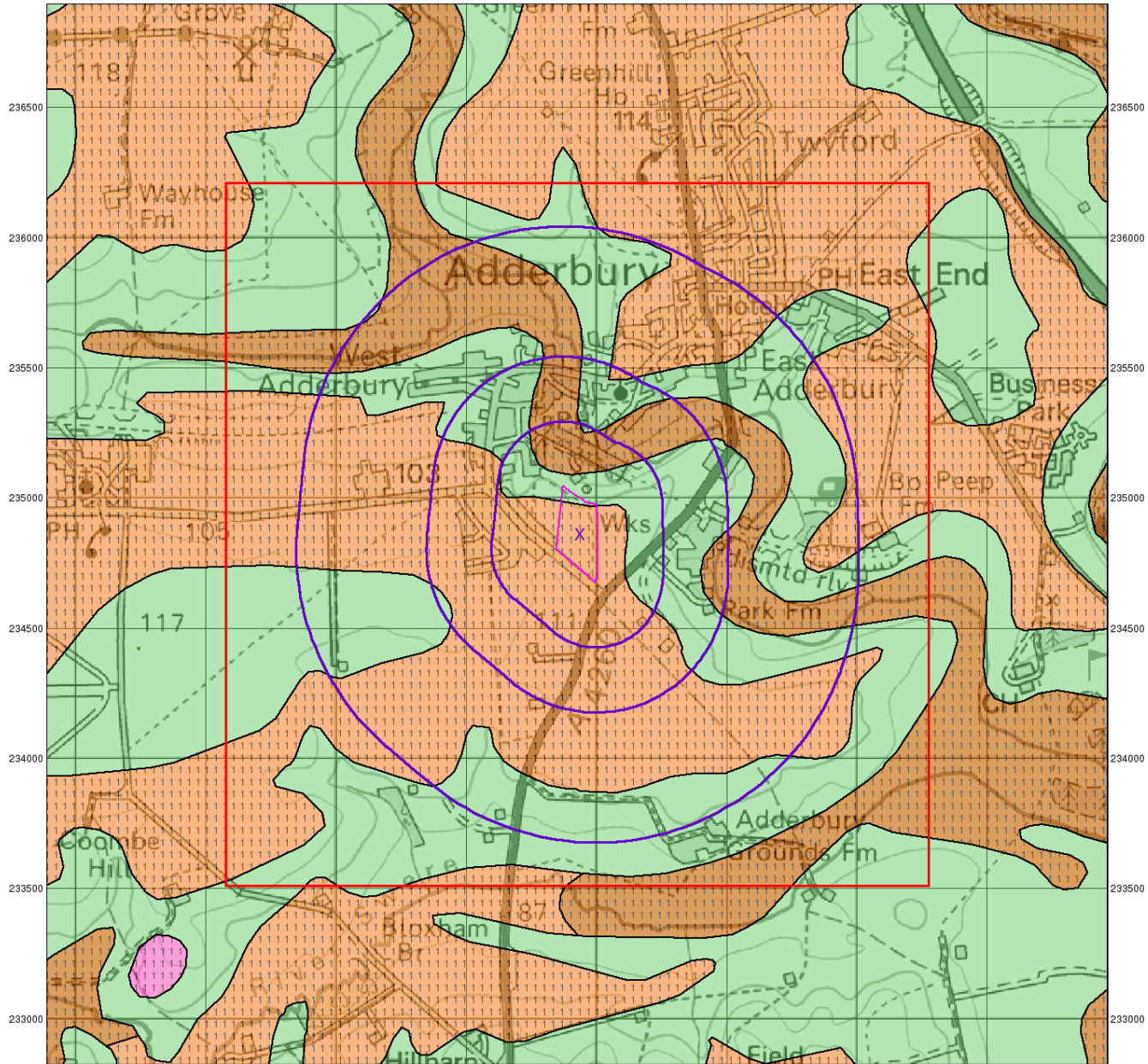
Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



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445000 445500 446000 446500 447000 447500 448000 448500



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0 1 km

Groundwater Vulnerability

General

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

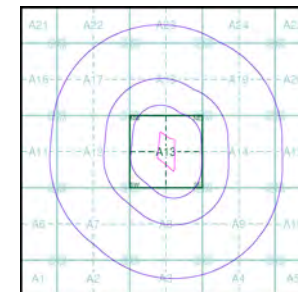
Agency and Hydrological

Geological Classes

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

Soil Classes

Site Sensitivity Context Map - Slice A



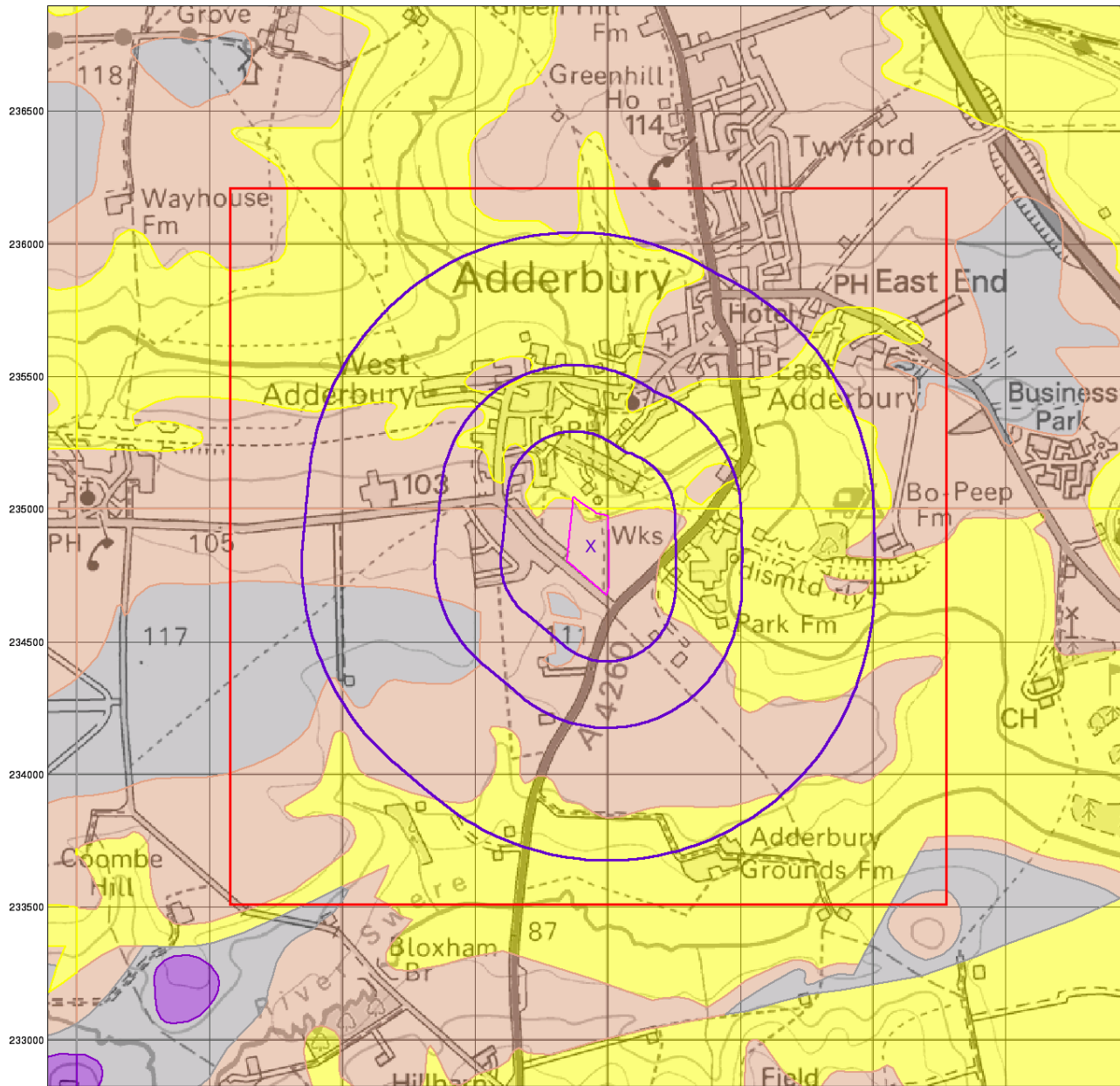
Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

445000 445500 446000 446500 447000 447500 448000 448500



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0 1 km

Bedrock Aquifer Designation

General

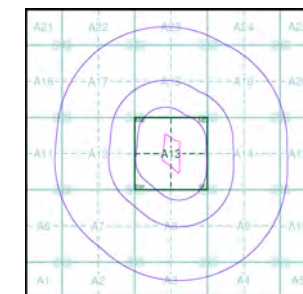
- ▭ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- ▭ Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

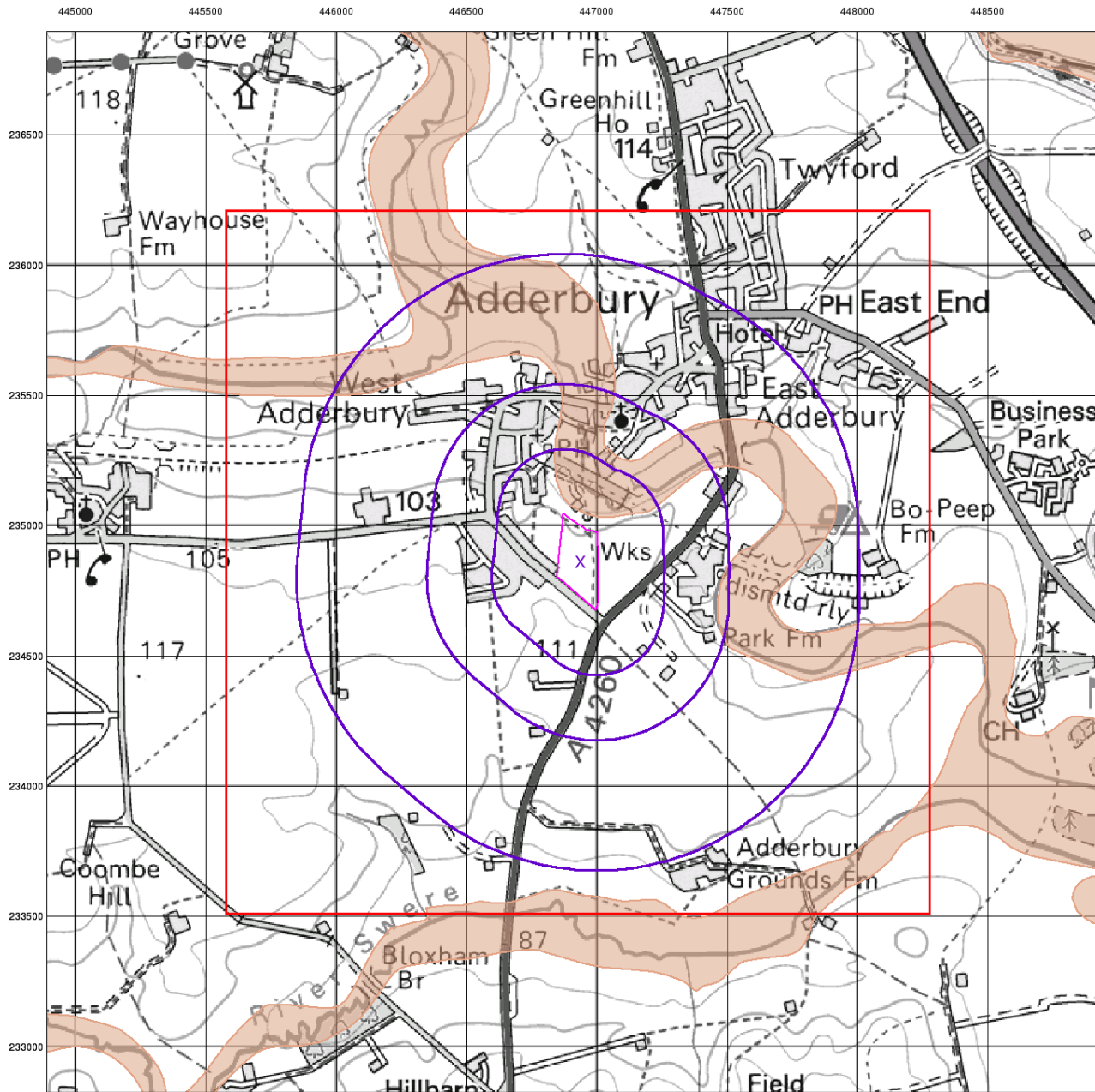


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



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Superficial Aquifer Designation

General

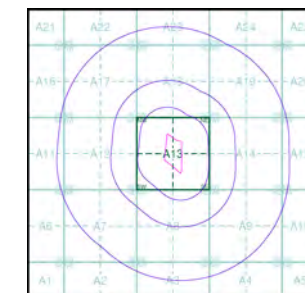
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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



Order Details

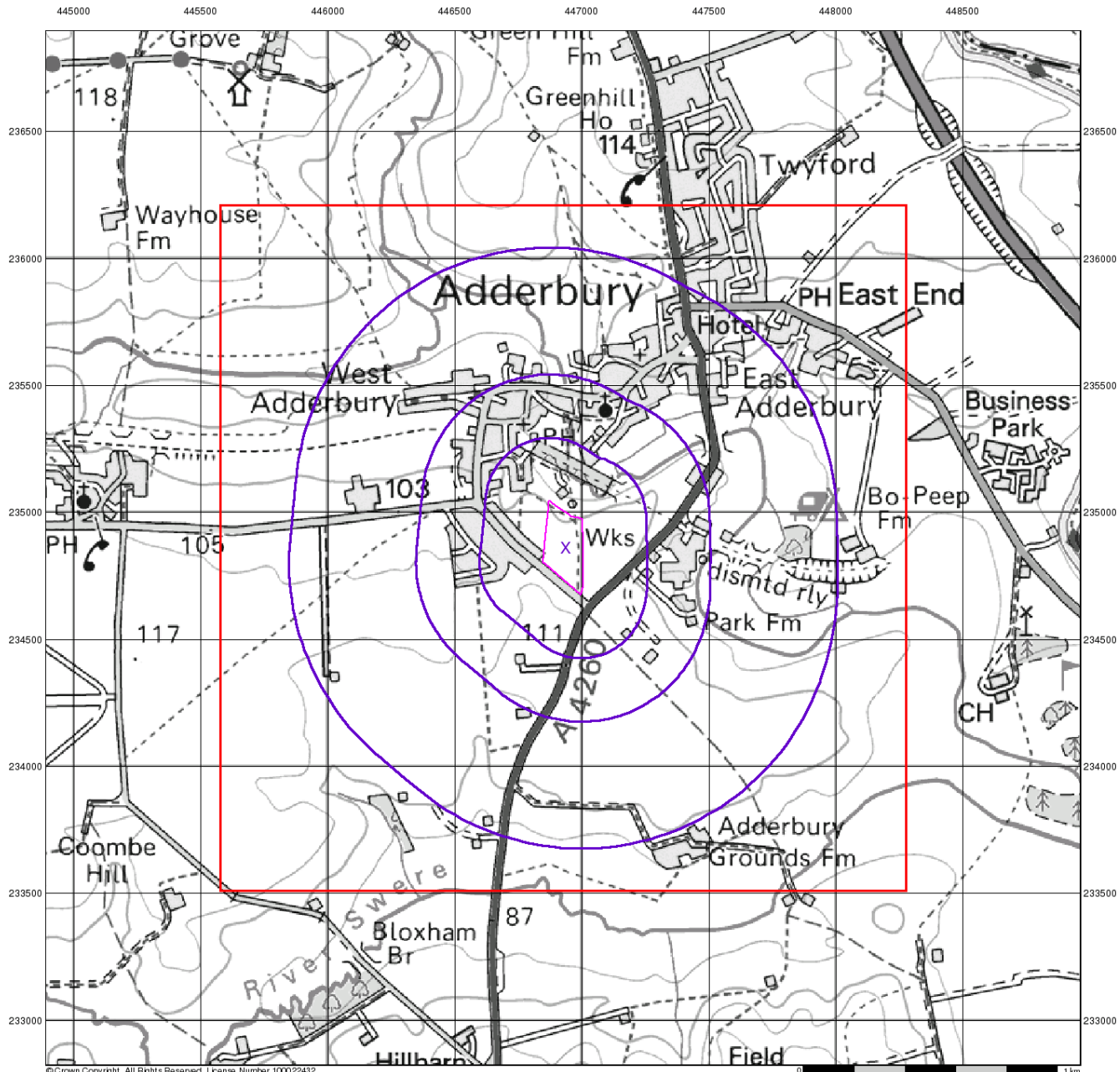
Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

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











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Source Protection Zones

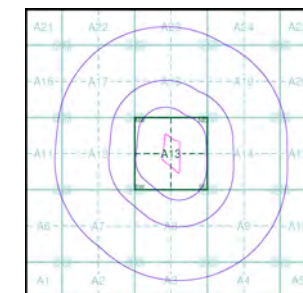
General

-  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)
-  Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A

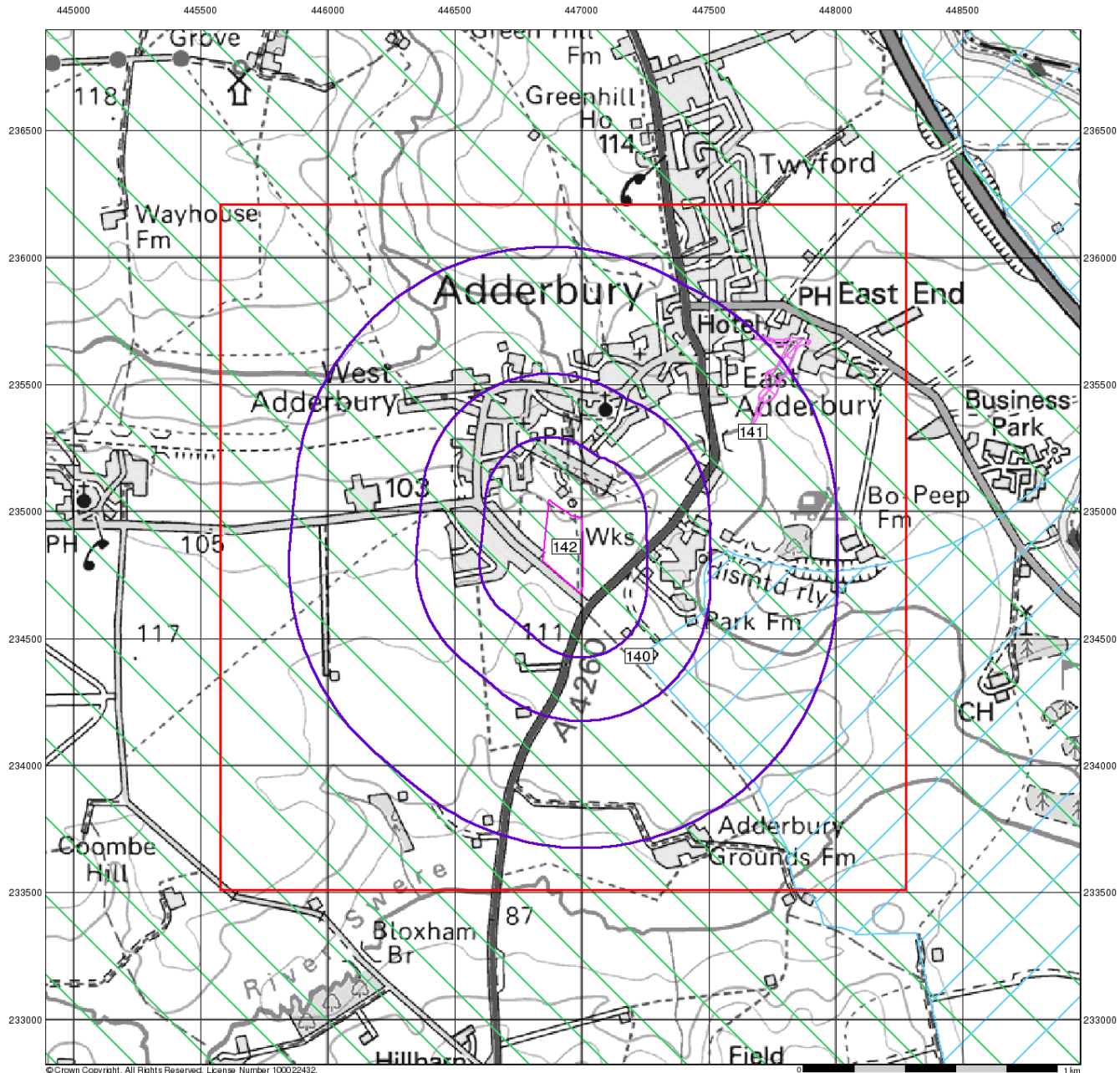


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details






Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



















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Sensitive Land Uses

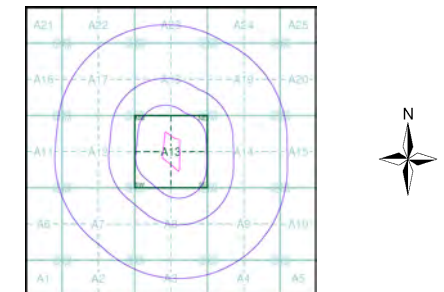
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



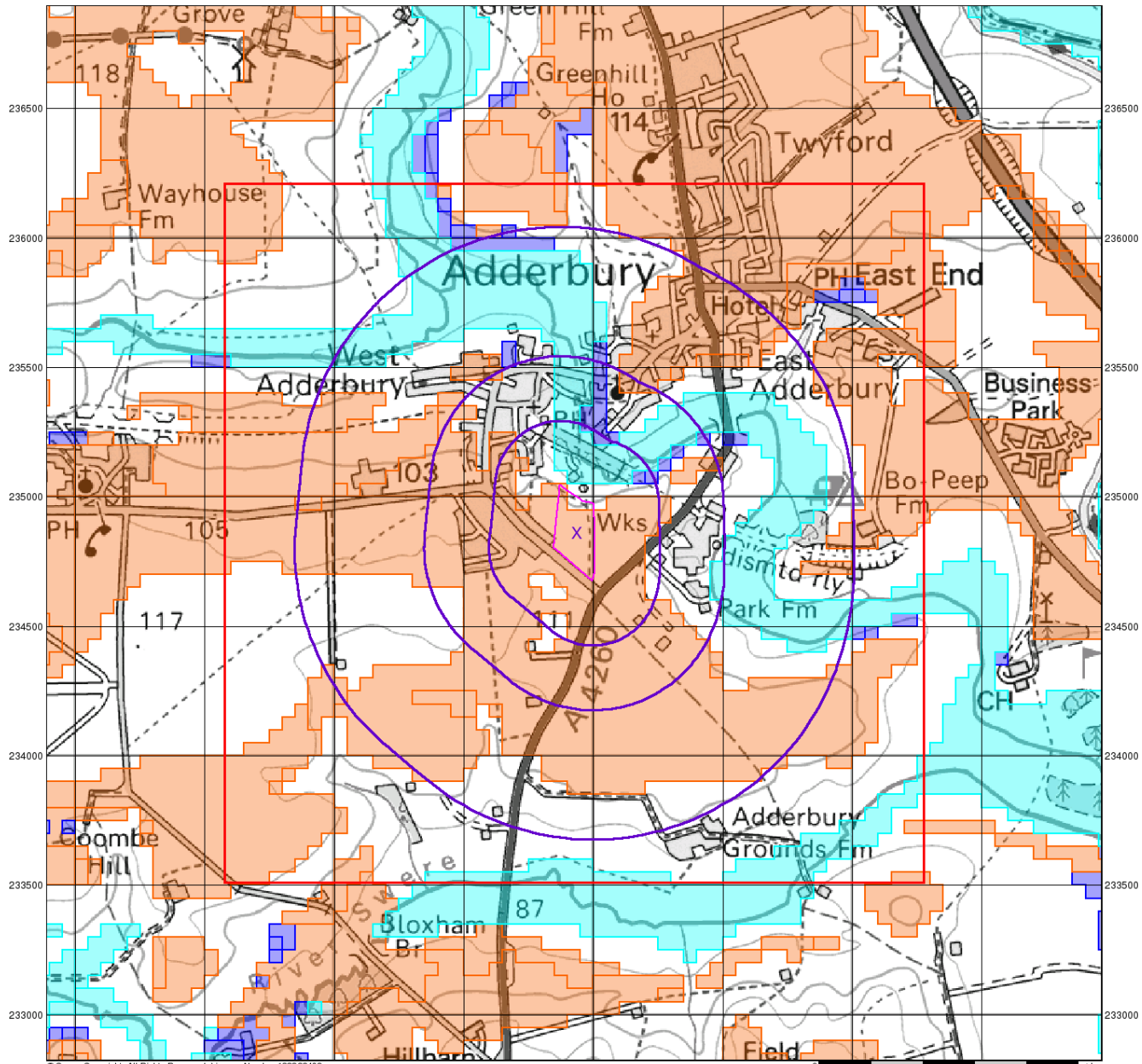
Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

445000 445500 446000 446500 447000 447500 448000 448500



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BGS Flood GFS Data

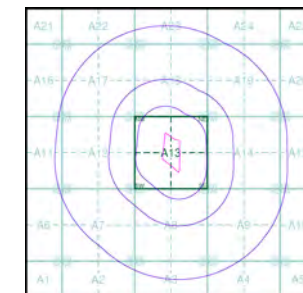
General

- 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



Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details


Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

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

Geology 1:10,000 Maps Legends







Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	NS	Northampton Sand Formation	Sandstone, Limestone and Ironstone	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Pliensbachian - Pliensbachian
	MRB	Marlstone Rock Formation	Ferruginous Limestone and Ironstone	Toarcian - Pliensbachian
	CHAM	Charmouth Mudstone Formation	Mudstone	Pliensbachian - Sinemurian
	Fault			

Envirocheck®

LANDMARK INFORMATION GROUP®

Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

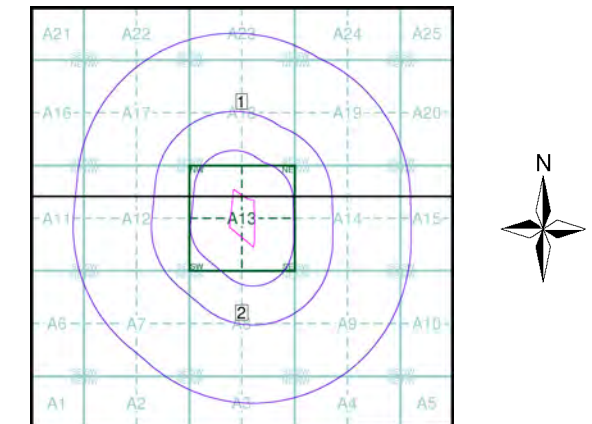
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	1	Map ID:	2
Map Name:	SP43NE	Map Name:	SP43SE
Map Date:	1957	Map Date:	1973
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Available	Faults:	Available
Landslip:	Not Available	Landslip:	Not Available
Rock Segments:	Not Available	Rock Segments:	Not Available

Geology 1:10,000 Maps - Slice A



Order Details

Order Number:	129201624_1_1
Customer Ref:	17HSL004
National Grid Reference:	446940, 234860
Slice:	A
Site Area (Ha):	4.02
Search Buffer (m):	1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk



Artificial Ground and Landslip

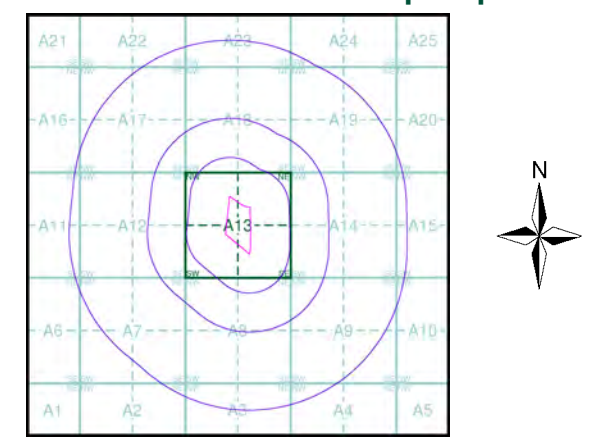
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

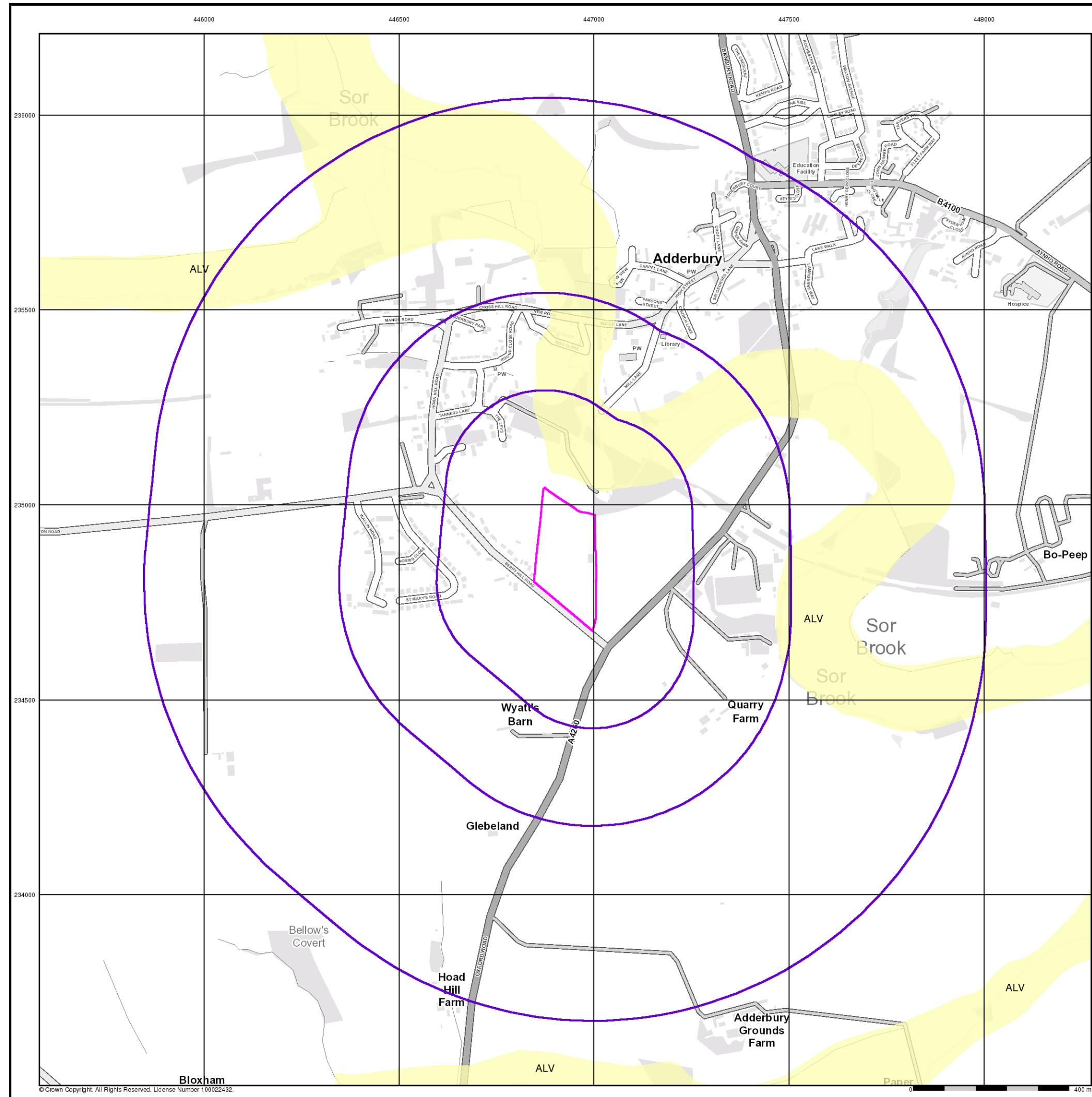


Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF



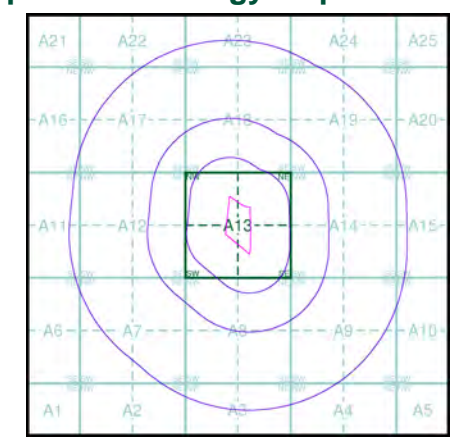
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, 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



Order Details

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 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

Bedrock and Faults

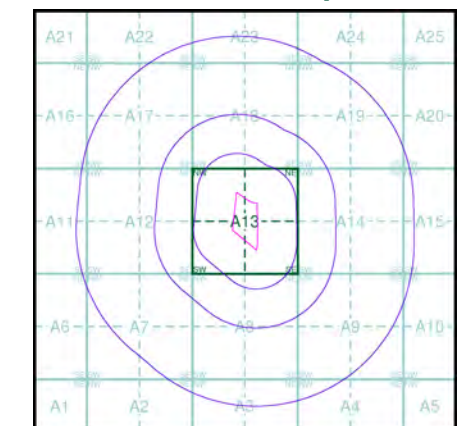
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice A

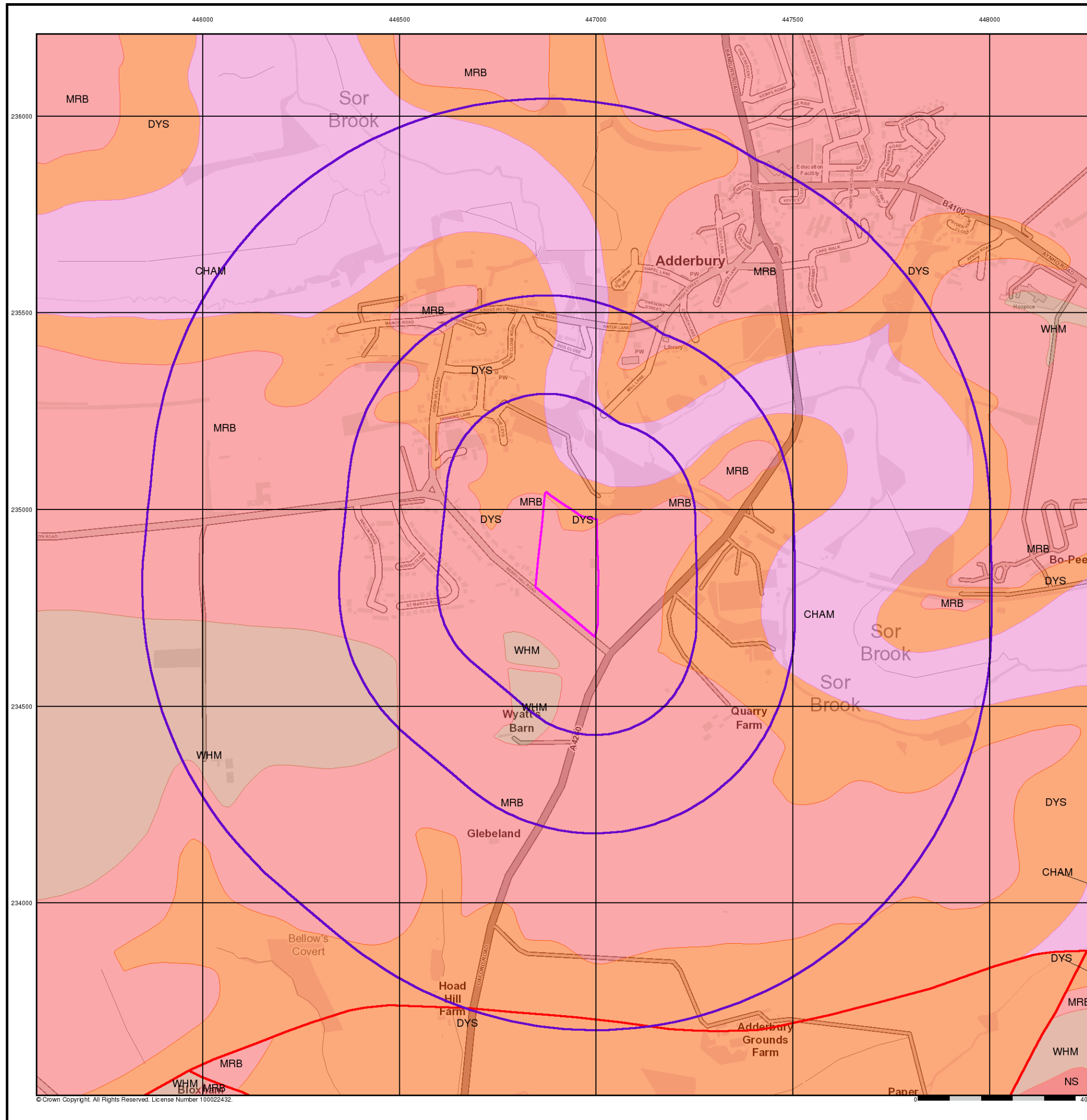


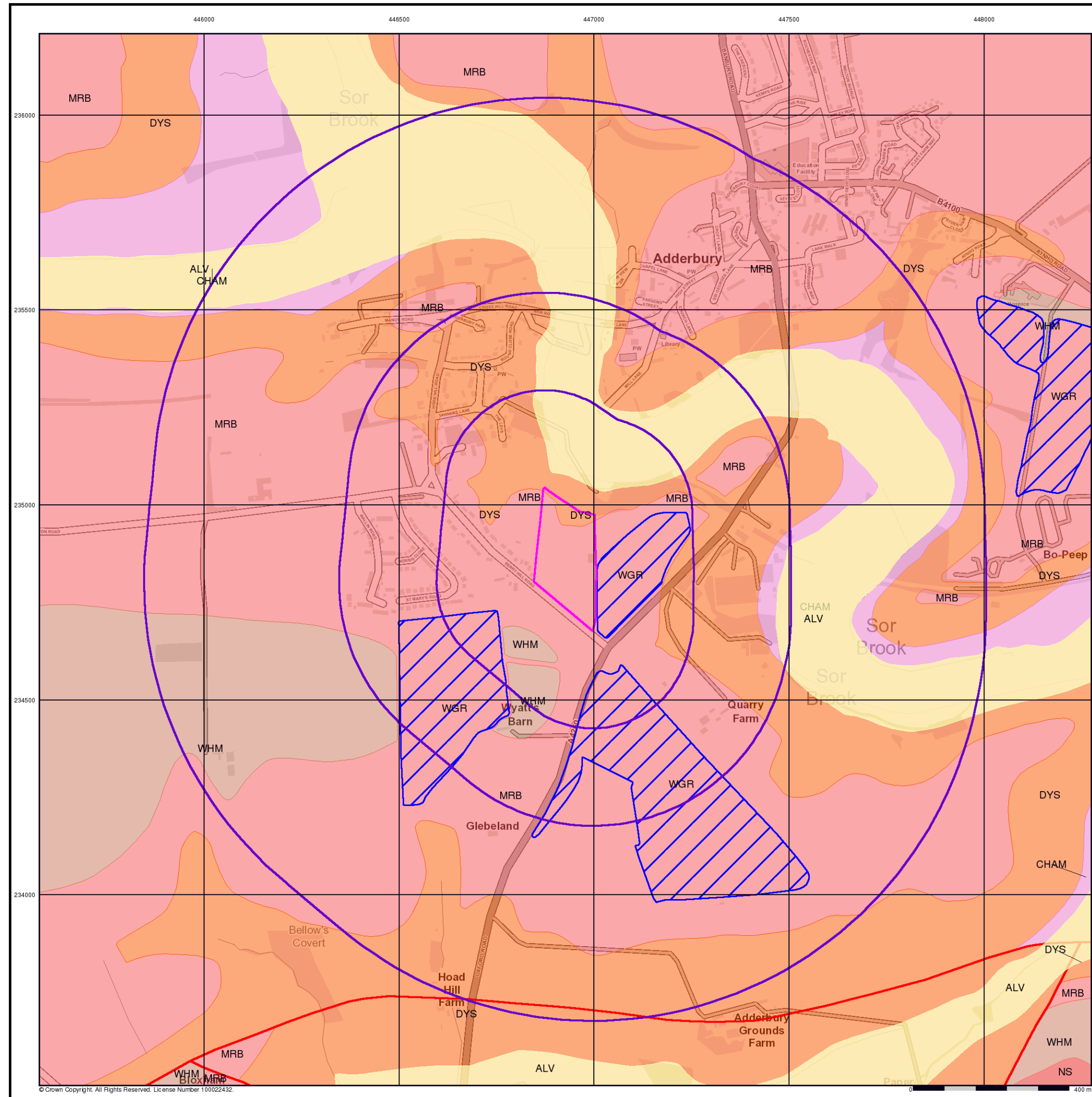
Order Details

Order Number: 129201624_1_1
 Customer Ref: 17HSL004
 National Grid Reference: 446940, 234860
 Slice: A
 Site Area (Ha): 4.02
 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF





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.

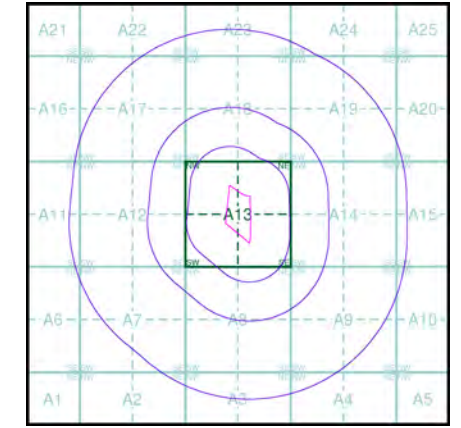
Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice A



Order Details

Order Number: 129201624_1_1
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 Slice: A
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 Search Buffer (m): 1000

Site Details

Land off Berry Hill Road, Adderbury, BANBURY, OX17 3HF

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

129201624_1_1

Customer Reference:

17HSL004

National Grid Reference:

446940, 234860

Slice:

A

Site Area (Ha):

4.02

Search Buffer (m):

1000

Site Details:

Land off Berry Hill Road

Adderbury

BANBURY

OX17 3HF

Client Details:

Mr M Fawcett

Betts Geo Environmental

Old Marsh Farm Barns

Welsh Road

Sealand

Flintshire

CH5 2LY

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	23
Hazardous Substances	-
Geological	25
Industrial Land Use	31
Sensitive Land Use	36
Data Currency	37
Data Suppliers	43
Useful Contacts	44

Introduction

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

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		3	6	2
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 4			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		6	5	5
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 7		1		2
River Quality Biology Sampling Points	pg 8				1
River Quality Chemistry Sampling Points	pg 9			1	
Substantiated Pollution Incident Register					
Water Abstractions	pg 9			2	(*8)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 12	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 12		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 13		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13		13	7	57

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 23			1	1
Local Authority Landfill Coverage	pg 23	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 23		2	1	
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 24			1	
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 25	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 25	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 28		2	1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 28	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 28		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 30	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 30	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 31		1	19	3
Fuel Station Entries					
Points of Interest - Commercial Services	pg 33			5	1
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 33		3	7	6
Points of Interest - Public Infrastructure	pg 34			3	4
Points of Interest - Recreational and Environmental	pg 35			2	
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 36			1	
Forest Parks					
Local Nature Reserves	pg 36				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 36	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	446900 235000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (SW)	0	1	446935 234863
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	21	1	446935 235050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	111	1	446750 234950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	134	1	446700 235000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	166	1	447150 235050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	201	1	447000 235200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	212	1	447200 235050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	278	1	447250 235100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	308	1	447300 235050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	346	1	447300 235150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	423	1	447100 235400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	445	1	447450 234750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	458	1	447400 235200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	464	1	446650 235450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	483	1	446500 235350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	489	1	446700 235500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	497	1	446400 235200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Thames Water (S+W) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Adderbury Stw, Adderbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.2451 Permit Version: 1 Effective Date: 30th November 1985 Issued Date: 30th November 1985 Revocation Date: 18th September 1989 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	159	2	447100 235100
1	<p>Discharge Consents</p> <p>Operator: Banbury Rdc (Thames Water (S+W)) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Adderbury Stw, Adderbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.1193 Permit Version: 1 Effective Date: 31st January 1985 Issued Date: 12th October 1970 Revocation Date: 29th November 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	159	2	447100 235100
1	<p>Discharge Consents</p> <p>Operator: Thames Water (S+W) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Adderbury Stw, Adderbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSC.2451 Permit Version: 2 Effective Date: 19th September 1989 Issued Date: 30th November 1985 Revocation Date: 31st March 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	160	2	447095 235105
2	<p>Discharge Consents</p> <p>Operator: Burys Dryanstore Ltd. Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Station Yard Ind.Est., Oxford Road, Adderbury, Banbury, Oxon, Ox17 3hj Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.1154 Permit Version: 1 Effective Date: 15th November 1993 Issued Date: 15th November 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Station Ditch Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	397	2	447400 234900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Bury's Dryanstore Ltd. Property Type: Undefined Or Other Location: Bury's Dryanstore Site, Station Yard Ind.Est., Adderbury, Banbury, Ox17 3hj Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.3196 Permit Version: 1 Effective Date: 13th April 1989 Issued Date: 13th April 1989 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Station Ditch Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	397	2	447400 234900
2	<p>Discharge Consents</p> <p>Operator: Bury's Dryanstore Ltd. Property Type: Undefined Or Other Location: Adj. To Station Site, Oxford Road, Adderbury, Banbury, Oxon. Ox17 3hj Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.0268 Permit Version: 1 Effective Date: 5th August 1985 Issued Date: 5th August 1985 Revocation Date: 26th November 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Station Ditch Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	397	2	447400 234900
2	<p>Discharge Consents</p> <p>Operator: Bury's Dryanstore Ltd. Property Type: Undefined Or Other Location: Adj. To Station Site, Oxford Road, Adderbury, Banbury, Oxon. Ox17 3hj Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.0269 Permit Version: 1 Effective Date: 5th August 1985 Issued Date: 5th August 1985 Revocation Date: 18th June 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Station Ditch Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	397	2	447400 234900
3	<p>Discharge Consents</p> <p>Operator: Mr. T.J. Goffe Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: New Dwelling, Quarry Farm, Oxford Road, Adderbury, Oxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTW.1392 Permit Version: 1 Effective Date: 27th November 1991 Issued Date: 27th November 1991 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Irrigation Area Environment: Receiving Water: Marlstone Rck O/L Mid Lias Cly Status: Transferred from Water Act 1989 Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	424	2	447360 234460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Grand Union Twymill Developments Limited Property Type: Undefined Or Other Location: Twyford Mill Ltd, Adderbury, Banbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTCR.0391 Permit Version: 1 Effective Date: 18th December 1959 Issued Date: 18th December 1959 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m</p>	A14SW (E)	475	2	447479 234685
5	<p>Discharge Consents</p> <p>Operator: Mr Williams Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: House, Oxford Road, Adderbury, Oxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Cntw.0922 Permit Version: 1 Effective Date: 28th January 1991 Issued Date: 28th January 1991 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Irrigation Area Environment: Receiving Water: Middle Liasclay Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NE)	541	2	447520 235130
6	<p>Discharge Consents</p> <p>Operator: D R Colegrave Seeds Ltd Property Type: ARCHITECTURAL+ENGINEERING + TECHNICAL TESTING+ANALYSIS Location: Laboratory, Milton Road, Adderbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.2632 Permit Version: 1 Effective Date: 26th July 1988 Issued Date: 26th July 1988 Revocation Date: 7th July 1994 Discharge Type: Trade Effluent Discharge: Irrigation Area Environment: Receiving Water: Marlstone Rock Bed Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	673	2	446200 235100
7	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Pump House Garage Location: New Street, ADDERBURY, Oxon, OX17 3LL Authority: Cherwell District Council, Environmental Health Department Permit Reference: Cdc/Wob/003 Dated: 25th February 1993 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	467	3	446948 235504
	<p>Nearest Surface Water Feature</p>	A13NE (N)	66	-	447006 235040
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Adderbury Stw Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 9th April 1990 Incident Reference: W1900177 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	156	2	447100 235095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 27th July 1990 Incident Reference: W1900398 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	159	2	447105 235095
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 8th November 1989 Incident Reference: W1890560 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	159	2	447100 235100
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 8th January 1992 Incident Reference: W1920009 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	163	2	447105 235100
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Adderbury Stw Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: W1910086 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	163	2	447100 235105
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: Not Supplied Incident Reference: W1910078 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	166	2	447105 235105
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 18th August 1998 Incident Reference: THWE1998040379 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	401	2	447405 234895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Natural Note: Confirmed As A Pollution Incident Incident Date: 29th June 1992 Incident Reference: W1920339 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	414	2	446950 235450
11	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 5th March 1996 Incident Reference: W1960109 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SW (N)	458	2	446900 235500
12	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 31st December 1998 Incident Reference: THWE1998041516 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SE (N)	474	2	447000 235500
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 12th May 1998 Incident Reference: 38656 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	495	2	447500 234795
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Natural Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: W1940589 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	595	2	447500 235300
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 28th March 1990 Incident Reference: W1900153 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	606	2	446350 235350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: W1920439 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	647	2	447070 235660
17	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: W1890644 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	661	2	446800 235700
18	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: ADDERBURY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 27th January 1993 Incident Reference: W1930051 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	734	2	447600 235400
	<p>River Quality</p> <p>Name: Sor Bk GQA Grade: River Quality B Reach: Bloxham Bk - Cherwell Estimated Distance (km): 5 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000</p>	A13NE (NE)	34	2	447049 234930
	<p>River Quality</p> <p>Name: Bloxham Bk GQA Grade: River Quality B Reach: Milcombe - Sor Bk Estimated Distance (km): 7.8 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A17SE (NW)	624	2	446489 235535
	<p>River Quality</p> <p>Name: Sor Bk GQA Grade: River Quality B Reach: Source - Bloxham Bk Estimated Distance (km): 22.7 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000</p>	A18NW (N)	696	2	446634 235697

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>River Quality Biology Sampling Points</p> <p>Name: Sor Brook Reach: Bloxham Brook To Cherwell Estimated Distance: 5.00 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade B - Good Year: 1995 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2000 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2002 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2003 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2004 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2005 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2006 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2007 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2008 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good</p>	A18NW (N)	740	2	446800 235780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>River Quality Chemistry Sampling Points</p> <p>Name: Sor Brook Reach: Bloxham Brook To Cherwell Estimated Distance: 5.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied</p>	A14SW (E)	472	2	447473 234653
21	<p>Water Abstractions</p> <p>Operator: Sir Martin Jacomb Licence Number: Th/039/0014/003 Permit Version: 1 Location: Mill Leat At Manor House Authority: Environment Agency, Thames Region Abstraction: Production of Energy: Mechanical Non Electrical: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Manor House, Adderbury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	318	2	446995 235337

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Water Abstractions</p> <p>Operator: Twyford Seeds Ltd Licence Number: 28/39/14/0039 Permit Version: Not Supplied Location: Adderbury, ADDERBURY Authority: Environment Agency, Thames Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: River/Stream Intake Daily Rate (m3): 34 Yearly Rate (m3): 68 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	495	2	447500 234800
	<p>Water Abstractions</p> <p>Operator: Mr H R N Stilgoe Licence Number: 28/39/14/0066 Permit Version: 100 Location: The Grounds Farm, Adderbury (A) Authority: Environment Agency, Thames 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: The Grounds Farm, Adderbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th September 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A4NW (S)	1023	2	447300 233700
	<p>Water Abstractions</p> <p>Operator: Mr H R N Stilgoe Licence Number: 28/39/14/0066 Permit Version: 100 Location: The Grounds Farm, Adderbury (B) Authority: Environment Agency, Thames 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: The Grounds Farm, Adderbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th September 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A4NW (S)	1057	2	447400 233700
	<p>Water Abstractions</p> <p>Operator: Mr H R N Stilgoe Licence Number: 28/39/14/0066 Permit Version: 100 Location: The Grounds Far, Adderbury (D) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 4546 Details: The Grounds Farm, Adderbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th September 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A4SW (S)	1313	2	447300 233400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Lumar Developments Ltd Licence Number: 28/39/14/0347 Permit Version: 1 Location: Banbury Golf Club, Adderbury, Oxon - Sor Brook Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Banbury Golf Club, Aynho Road, Adderbury Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NE (E)	1503	2	448490 234480
	<p>Water Abstractions</p> <p>Operator: Lumar Developments Ltd Licence Number: 28/39/14/0325 Permit Version: 100 Location: Banbury Golf Club, Adderbury, Oxon - Sor Brook Authority: Environment Agency, Thames Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 144 Yearly Rate (m3): 16000 Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 24th December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NE (E)	1503	2	448490 234480
	<p>Water Abstractions</p> <p>Operator: Mr M Reed Licence Number: 28/39/14/0060 Permit Version: 100 Location: Nell Bridge Farm, Adderbury (A) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1841 Details: Nell Bridge Farm, Adderbury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1708	2	448700 234500
	<p>Water Abstractions</p> <p>Operator: Mr H R N Stilgoe Licence Number: 28/39/14/0065 Permit Version: 101 Location: The Grounds, Adderbury, - River Swere And Sor Brook Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Grounds, Adderbury Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10SE (SE)	1741	2	448600 234000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr H R N Stilgoe Licence Number: 28/39/14/0065 Permit Version: 100 Location: The Grounds, Adderbury, - River Swere And Sor Brook Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Spray Irrigation Definition Order Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 546 Yearly Rate (m3): 22730 Details: The Grounds, Adderbury, Banbury Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 10th October 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10SE (SE)	1741	2	448600 234000
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 30 Northern Cotswolds Scale: 1:100,000	A13NE (N)	0	2	446954 234970
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 30 Northern Cotswolds Scale: 1:100,000	A13NE (SW)	0	2	446935 234863
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (N)	0	1	446935 235000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (N)	0	1	446940 234947
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (SW)	0	1	446935 234863
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (N)	0	1	446894 235000
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	60	2	447009 235035
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	89	2	447005 235065
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	141	2	446935 235170
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	143	2	447075 235114
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	181	2	446980 235193
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	188	2	447020 235174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	191	2	447010 235180
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	192	2	447005 235185
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	193	2	447101 235140
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A18SE (N)	195	2	446985 235204
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	201	2	447145 235115
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	201	2	447160 235100
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	201	2	447150 235110
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	204	2	447154 235110
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A18SW (N)	209	2	446890 235252
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	214	2	447179 235095
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	60	2	447009 235035
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (N)	66	4	447006 235040
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (N)	66	4	447008 235040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (NE)	78	4	447042 235042
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (NE)	92	4	447052 235052
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A13NE (NE)	94	4	447057 235050
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A13NE (NE)	95	4	447054 235053
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (N)	159	4	447017 235145
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A13NE (N)	167	4	447020 235145
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 248.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A13NE (NE)	200	4	447143 235117
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 434.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A13NE (NE)	200	4	447143 235117
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SE (N)	221	4	446953 235250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 464.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A18SE (N)	222	4	446951 235251
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SE (N)	222	4	446951 235251
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	298	4	446793 235330
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	329	4	446742 235345
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A18SE (N)	363	4	446990 235387
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A18SE (N)	367	4	446990 235391
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A19SW (NE)	402	4	447272 235272
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	443	4	446573 235369
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1022.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A14SW (E)	474	4	447480 234753

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14NW (E)	501	4	447506 234870
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A18NE (N)	534	4	446944 235573
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	534	4	447031 235564
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 234.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A19SW (NE)	548	4	447376 235375
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (E)	559	4	447564 234850
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (E)	559	4	447564 234849
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (E)	560	4	447565 234848
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (E)	564	4	447568 234845
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A14SW (E)	564	4	447569 234846

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	581	4	446871 235625
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	584	4	446878 235627
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A18NW (N)	588	4	446875 235631
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A19SW (NE)	588	4	447506 235278
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	593	4	446390 235388
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SW (NE)	599	4	447519 235276
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A19SW (NE)	600	4	447519 235278
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	600	4	446848 235643
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	600	4	446848 235643

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14NE (E)	604	4	447608 234883
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A18NW (N)	615	4	446867 235658
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 284.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	615	4	446935 235659
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 585.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A18NW (N)	615	4	446867 235658
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	630	4	446333 235369
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	637	4	446846 235679
67	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	646	4	446313 235366
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 952.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 2	A14SE (E)	651	4	447657 234715
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	670	4	446800 235709

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 193.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A18NW (N)	670	4	446800 235709
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 271.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A14NE (E)	731	4	447732 235052
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	733	4	447053 235754
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14NE (E)	734	4	447732 235052
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A14NE (E)	734	4	447733 235048
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 306.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	735	4	447052 235756
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	741	4	446669 235756
77	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 28.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	748	4	446657 235759
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SE (NE)	749	4	447673 235308

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 224.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	750	4	446608 234035
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	753	4	446425 235650
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1411.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	762	4	446360 235605
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A19SE (NE)	847	4	447703 235450
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SE (NE)	850	4	447707 235448
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	861	4	446471 235805
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A19SE (NE)	867	4	447723 235456
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A19SE (NE)	867	4	447714 235469
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SE (NE)	867	4	447723 235456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	885	4	446411 235798
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 815.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	887	4	446293 235714
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SE (NE)	898	4	447743 235481
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 297.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	922	4	446369 235815
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	924	4	446461 235870
93	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A3NW (S)	946	4	446611 233813
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A3NW (S)	955	4	446613 233802
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19NE (NE)	957	4	447775 235539
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A19NE (NE)	957	4	447775 235539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A22SE (NW)	962	4	446465 235914
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A22SE (NW)	964	4	446466 235917
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19NE (NE)	996	4	447802 235568

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 86125 Location: Twyford Mill, Adderbury, Banbury, Oxfordshire, OX17 3SX Operator Name: Andrew Baughan Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 20th August 1997 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 30th March 1999 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	395	2	447400 234800
101	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 86162 Location: Sydenham Farm, Aynho Road, Adderbury, Banbury, Oxfordshire, OX17 Operator Name: M R Stevens & Sons Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Surrendered Issued: 23rd October 1997 Last Modified: 12th March 1998 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 12th March 1998 IPPC Reference: Not Supplied Positional Accuracy: Approximate location provided by supplier</p>	A15NW (E)	999	2	448000 235000
	<p>Local Authority Landfill Coverage</p> <p>Name: Cherwell District Council - Has supplied landfill data</p>		0	3	446935 234863
	<p>Local Authority Landfill Coverage</p> <p>Name: Oxfordshire County Council - Has supplied landfill data</p>		0	5	446935 234863
102	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994</p>	A13SW (S)	96	-	446897 234594
103	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994</p>	A13SE (SE)	118	-	447069 234584
104	<p>Potentially Infilled Land (Non-Water)</p> <p>Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994</p>	A8NE (S)	316	-	446951 234365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: A Baughan - Eco Baughan Licence Reference: T/W/CD/X/200 Site Location: Twyford Mill, Adderbury, BANBURY, Oxfordshire, OX17 3SX Operator Location: Oak Farm, Upper Boddington, Daventry, Northamptonshire, Nn11 6dw Authority: Environment Agency - Thames Region, West Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 20th August 1997 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste Clean Empty Used Containers Heavy Ind. Machinery Max.Waste Permitted By Licence Oxon Cat.A Inert 'Non-Decomp.' Oxon Cat.Bi Gen. 'Slow Decomp.' Oxon Cat.Biii Gen. 'Scrap Metal' Oxon Cat.C Putresc. 'Decomp/Poll.' Scrap Metal Prohibited Waste Clinical - As In Control.Waste Regs'92 Contaminated Materials Liquid Wastes Poisonous, Noxious, Polluting Wastes Sludge Wastes Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.</p>	A14SW (E)	292	2	447298 234830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	A13NE (SW)	0	1	446935 234863
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: >120 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: >180mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: >100 mg/kg	A13NE (SW)	0	1	446935 234863
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 60 - 120 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: >180mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 80 - 100 mg/kg	A13NE (N)	0	1	446940 234947
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	42	1	446981 235038
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	85	1	446990 235078
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 45 - 60 mg/kg	A13SW (SW)	102	1	446827 234680
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 45 - 60 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 45 - 60 mg/kg	A13SW (S)	156	1	446883 234561

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: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (NE)	264	1	447092 235222
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 60 - 120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 80 - 100 mg/kg Concentration:	A18SE (N)	296	1	447093 235256
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic >120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel >100 mg/kg Concentration:	A14NW (NE)	304	1	447299 235049
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 45 - 60 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 120 - 180 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 45 - 60 mg/kg Concentration:	A12SE (SW)	379	1	446520 234610
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic >120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel >100 mg/kg Concentration:	A18SE (N)	384	1	447079 235367
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (E)	435	1	447447 234790

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: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	479	1	447473 234608
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic >120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel >100 mg/kg Concentration:	A18SW (NW)	487	1	446635 235468
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	664	1	447669 234712
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	708	1	446396 235569
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic >120 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium >180mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel >100 mg/kg Concentration:	A14SE (E)	814	1	447818 234749
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	891	1	446279 235707

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	BGS Recorded Mineral Sites Site Name: Berryhill Pit Location: , West Adderbury, Adderbury, Banbury, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 10603 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A13SE (E)	100	1	447105 234840
107	BGS Recorded Mineral Sites Site Name: Wyatt'S Barn Location: Oxford Road, Banbury, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 57068 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	188	1	447015 234490
108	BGS Recorded Mineral Sites Site Name: New College Location: , West Adderbury, Adderbury, Banbury, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 10577 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	332	1	446605 234575
109	BGS Recorded Mineral Sites Site Name: Adderbury Location: , West Adderbury, Adderbury, Banbury, Oxfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 10578 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	556	1	447265 234190
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	42	1	446981 235038
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	42	1	446981 235038
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446957 234963
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	446914 235000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	205	1	447196 235048
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	245	1	447250 234799
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	247	1	447250 234680
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	42	1	446981 235038
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446940 234947
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	446894 235000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	102	1	446756 234987
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	102	1	446827 234680
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	137	1	447136 235000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	156	1	446883 234561
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	156	1	446710 235000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	177	1	447197 234817
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (more than 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (more than 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	446935 235000
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	446935 234863

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	<p>Contemporary Trade Directory Entries</p> <p>Name: Motec Location: 14, Twyford Mill, Oxford Road, Adderbury, Banbury, OX17 3SX Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (E)	247	-	447252 234814
110	<p>Contemporary Trade Directory Entries</p> <p>Name: Merry Go Round Location: 13, Twyford Mill, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3SX Classification: Children & Babywear - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13SE (E)	252	-	447257 234777
111	<p>Contemporary Trade Directory Entries</p> <p>Name: Colleen Contract Cleaners Ltd Location: 67, St. Marys Road, Adderbury, Banbury, Oxfordshire, OX17 3HA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	277	-	446578 234738
112	<p>Contemporary Trade Directory Entries</p> <p>Name: M S R Building Services Ltd Location: 2, Norris Close, Adderbury, Banbury, OX17 3HD Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	319	-	446535 234889
113	<p>Contemporary Trade Directory Entries</p> <p>Name: Ace Outdoor Power Equipment Location: 8, Twyford Mill, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3SX Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	333	-	447337 234875
114	<p>Contemporary Trade Directory Entries</p> <p>Name: V A Tech Wabag (Uk) Ltd Location: Twyford Mill, Oxford Road, Adderbury, BANBURY, Oxfordshire, OX17 3SX Classification: Sewage Disposal - Equipment & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	379	-	447382 234917
115	<p>Contemporary Trade Directory Entries</p> <p>Name: Aga Fired Earth Ltd Location: 3, Twyford Mill, Oxford Road, Adderbury, BANBURY, Oxfordshire, OX17 3SX Classification: Cookers - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	380	-	447385 234789
116	<p>Contemporary Trade Directory Entries</p> <p>Name: A D A Location: 6, Round Close Road, Adderbury, Banbury, Oxfordshire, OX17 3EE Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	415	-	446779 235447
116	<p>Contemporary Trade Directory Entries</p> <p>Name: A J Print & Design Location: Bluebell Cottage, Cross Hill Road, Adderbury, Banbury, Oxfordshire, OX17 3EQ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	442	-	446810 235480
117	<p>Contemporary Trade Directory Entries</p> <p>Name: Water Engineering Location: 12 Twyford Mill, Oxford Rd, Adderbury, Banbury, Oxfordshire, OX17 3SX Classification: Sewage Disposal - Equipment & Service Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14SW (E)	421	-	447426 234856
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Banbury Litho Ltd Location: 6, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	451	-	447455 234910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Stream Line Carbon Ltd Location: 6, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Carbon Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	451	-	447455 234910
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Furniture Medics Location: 7, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A14NW (E)	461	-	447464 234903
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Scrap Yard In Banbury Htt Location: 6 Station Yard, Oxford Road, Adderbury, Banbury, OX17 3HJ Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	483	-	447487 234893
118	<p>Contemporary Trade Directory Entries</p> <p>Name: The Bag N Box Man Location: Unit 30, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	490	-	447494 234906
118	<p>Contemporary Trade Directory Entries</p> <p>Name: The Bag N Box Man Ltd Location: Unit 30, Station Yard, Oxford Road, Adderbury, Banbury, OX17 3HJ Classification: Packaging Materials Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	490	-	447494 234906
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Kingfisher Swimming Pools Ltd Location: 8, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	495	-	447498 234920
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Panther Composites Ltd Location: 7-9, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Carbon Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	495	-	447498 234920
118	<p>Contemporary Trade Directory Entries</p> <p>Name: Kingfisher Poolcare Ltd Location: 4, Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Swimming Pool Contractors, Repairers & Service Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	495	-	447498 234920
119	<p>Contemporary Trade Directory Entries</p> <p>Name: Pump House Garage Location: New Road, Adderbury, Banbury, OX17 3LL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	466	-	446951 235503
120	<p>Contemporary Trade Directory Entries</p> <p>Name: Motec Location: Station Yard, Oxford Road, Adderbury, Banbury, Oxfordshire, OX17 3HJ Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	566	-	447570 234872
121	<p>Contemporary Trade Directory Entries</p> <p>Name: Online Optical Location: The Old Co-op, Croft Lane, Adderbury, Banbury, Oxfordshire, OX17 3NB Classification: Optical Goods - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	701	-	447280 235617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Contemporary Trade Directory Entries Name: Receptor Technologies Ltd Location: Crofts Farm Barn, Croft Lane, Adderbury, Banbury, Oxfordshire, OX17 3NB Classification: Scientific Apparatus & Instruments - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	778	-	447298 235695
123	Points of Interest - Commercial Services Name: Motec Location: 12-14 Twyford Mill, Oxford Road, Adderbury, Banbury, OX17 3SX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	335	6	447338 234912
124	Points of Interest - Commercial Services Name: Pump House Garage Location: New Road, Adderbury, Banbury, OX17 3LL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	467	6	446948 235504
124	Points of Interest - Commercial Services Name: Pump House Garage Location: New Road, Adderbury, Banbury, OX17 3LL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	467	6	446948 235504
125	Points of Interest - Commercial Services Name: Thirstee Business Location: 2, Station Yard, Oxford Rd, Adderbury, Banbury, Oxfordshire, OX17 3HJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (E)	485	6	447488 234926
126	Points of Interest - Commercial Services Name: Thirstee Business Ltd Location: 7-9 Station Yard, Oxford Road, Adderbury, Banbury, OX17 3HJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (E)	495	6	447498 234920
126	Points of Interest - Commercial Services Name: Motec Location: Station Yard, Oxford Road, Adderbury, Banbury, OX17 3HJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	566	6	447570 234872
127	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	55	6	447013 235028
128	Points of Interest - Manufacturing and Production Name: Works Location: OX17 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13SE (E)	240	6	447245 234804
128	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	242	6	447247 234807
129	Points of Interest - Manufacturing and Production Name: Tony Goffe Location: Oxford Road, Adderbury, Banbury, OX17 3HH Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A9NW (SE)	364	6	447296 234471
129	Points of Interest - Manufacturing and Production Name: Tony Goffe Location: Quarry Farm, Oxford Road, Adderbury, Banbury, OX17 3HH Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A9NW (SE)	364	6	447296 234470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Points of Interest - Manufacturing and Production Name: Station Yard Industrial Estate Location: OX17 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	444	6	447446 234938
131	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SW (E)	489	6	447494 234819
131	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SW (E)	490	6	447495 234828
131	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SW (E)	492	6	447497 234834
131	Points of Interest - Manufacturing and Production Name: Tanks Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	497	6	447502 234825
131	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SW (E)	502	6	447507 234848
131	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	509	6	447514 234854
132	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	748	6	447179 233952
133	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	797	6	446079 235134
133	Points of Interest - Manufacturing and Production Name: Tank Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	803	6	446073 235134
133	Points of Interest - Manufacturing and Production Name: Tanks Location: OX17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	831	6	446043 235122
134	Points of Interest - Public Infrastructure Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	477	6	446453 235272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	Points of Interest - Public Infrastructure Name: Burial Ground Location: OX17 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	477	6	446453 235270
135	Points of Interest - Public Infrastructure Name: Sluice Location: OX17 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	495	6	447493 234628
136	Points of Interest - Public Infrastructure Name: Weir Location: OX17 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	591	6	446876 235634
137	Points of Interest - Public Infrastructure Name: Weir Location: OX17 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	718	6	447719 235013
138	Points of Interest - Public Infrastructure Name: Weir Location: OX17 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	886	6	447847 234430
138	Points of Interest - Public Infrastructure Name: Sluice Location: OX17 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	894	6	447853 234422
139	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	363	6	446854 235406
139	Points of Interest - Recreational and Environmental Name: Play Area Location: Dog Close, OX17 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SW (N)	367	6	446845 235409

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	Environmentally Sensitive Areas Name: Upper Thames Tributaries Multiple Areas: Y Total Area (m2): 117363037.52 Source: Natural England	A8NE (SE)	336	7	447224 234430
141	Local Nature Reserves Name: Adderbury Lakes Multiple Area: N Area (m2): 17878.8 Source: Natural England Designation Date: Not Supplied	A19SE (NE)	750	7	447671 235313
142	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (SW)	0	8	446935 234863

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices South Northamptonshire Council - Environment Division Cherwell District Council - Environmental Health Department West Oxfordshire District Council - Environmental Health Department	August 2013 October 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	April 2017	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
Integrated Pollution Controls Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	April 2017 April 2017 April 2017	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control South Northamptonshire Council - Environmental Health Department West Oxfordshire District Council - Environmental Health Department Cherwell District Council - Environmental Health Department	December 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls South Northamptonshire Council - Environmental Health Department West Oxfordshire District Council - Environmental Health Department Cherwell District Council - Environmental Health Department	December 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements South Northamptonshire Council - Environmental Health Department West Oxfordshire District Council - Environmental Health Department Cherwell District Council - Environmental Health Department	December 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	March 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
Registered Radioactive Substances Environment Agency - Anglian Region Environment Agency - Thames Region	January 2015 January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	April 2017 April 2017 April 2017	Quarterly Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - Thames Region	October 2016	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region Environment Agency - Thames Region	April 2017 April 2017	Quarterly Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	April 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2017	Quarterly
Flood Defences Environment Agency - Head Office	May 2017	Quarterly
OS Water Network Lines Ordnance Survey	April 2017	6 Weekly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually




Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	May 2017 May 2017 May 2017	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	May 2017 May 2017 May 2017	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Cherwell District Council - Environmental Health Department Northamptonshire County Council Oxfordshire County Council South Northamptonshire Council - Environmental Health Department West Oxfordshire District Council - Technical Services Department	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cherwell District Council - Environmental Health Department Northamptonshire County Council Oxfordshire County Council South Northamptonshire Council - Environmental Health Department West Oxfordshire District Council - Technical Services Department	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Cherwell District Council Oxfordshire County Council South Northamptonshire Council West Oxfordshire District Council Northamptonshire County Council	February 2016 February 2016 February 2016 February 2016 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Cherwell District Council Oxfordshire County Council South Northamptonshire Council West Oxfordshire District Council Northamptonshire County Council	February 2016 February 2016 February 2016 February 2016 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2017	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

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

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	May 2017	Bi-Annually
Areas of Adopted Green Belt Cherwell District Council West Oxfordshire District Council	May 2017 May 2017	As notified As notified
Areas of Unadopted Green Belt Cherwell District Council West Oxfordshire District Council	May 2017 May 2017	As notified As notified
Areas of Outstanding Natural Beauty Natural England	January 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	June 2017	Bi-Annually
Marine Nature Reserves Natural England	January 2017	Bi-Annually
National Nature Reserves Natural England	January 2017	Bi-Annually
National Parks Natural England	February 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	January 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	January 2017	Bi-Annually
Special Areas of Conservation Natural England	January 2017	Bi-Annually
Special Protection Areas Natural England	January 2017	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	May 2017	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Cherwell District Council - Environmental Health Department Bodicote House, Bodicote, Banbury, Oxfordshire, OX15 4AA	Telephone: 01295 252535 extn 4511 Fax: 01295 270028 Website: www.cherwell-dc.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 023 8079 2000 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Oxfordshire County Council County Hall, New Road, Oxford, Oxfordshire, OX1 1ND	Telephone: 01865 792422 Fax: 01865 810106 Email: environmental.services@oxfordshire.gov.uk Website: www.oxfordshire.gov.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
9	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

APPENDIX D

(i) Conceptual Model

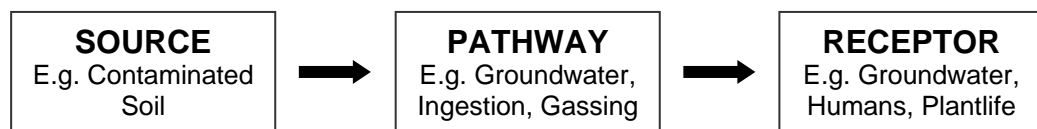
The report aims to identify land which could potentially be affected by contamination, such that it could affect the value or re-use of the land, or such that mitigation would be required for certain proposed end uses of the land.

The assessment also aims to identify land which would be regarded as 'contaminated land' under the terms of the Environmental Protection Act 1990, Part IIa. This act includes a stricter test for contaminated land than that outlined above. Land is considered to be contaminated if either: the land is causing significant harm to people, ecosystems or infrastructure; or there is a significant possibility that such harm could be caused; or pollution of controlled waters is being, or is likely to be, caused.

The following situations are defined as being where harm is to be regarded as significant: chronic or quite toxic effect, serious injury or death to humans; irreversible or other adverse harm to the ecological system; substantial damage to or failure of buildings; death of, or disease or other physical damage affecting, livestock or crops; pollution of controlled waters.

The risk assessment uses a 'Source-Pathway-Receptor' methodology for assessing whether a source of contamination could potentially lead to harmful consequences. This means that there needs to be a pollutant linkage from source to receptor for harm to be caused, this linkage consisting of: a source of pollution; a pathway for the pollutant to move along; a receptor that is affected by the pollutant.

As an example, the pollutant source could be an identified leak of oil or an area of dumped waste.



The pathways could include transport of the contaminant by groundwater, surface water, windblown dust, or vapours, and for human receptors will include the means by which contaminants enter the body, for example skin contact, ingestion and inhalation.

Receptors include people, other living organisms, the built environment and groundwater and surface waters (these latter two also being contaminant pathways).

The source-pathway-receptor methodology relationship allows an assessment of the environmental risk to be determined, based on the nature of the source, the degree of exposure of the receptor to the source and the sensitivity of the receptor.

This section of the report is based on the information set out in the previous sections of the report and should not be read independently of such sections.

Initial Conceptual Model

From the available information the preliminary conceptual model is visualised as follows:

Target (Receptor)	POTENTIAL SOURCE-PATHWAY LINKAGE
Site Users / Residents	Inhalation of soil gas, odours or dust.
	Ingestion of, and skin contact with, contaminated soil.
	Ingestion of contaminants in vegetables etc. or in soils adhering to vegetables, etc.
Construction/ Maintenance Workers.	Inhalation of soil gas, odours or dust.
	Ingestion of, and skin contact with, contaminated soil
Plants	Adverse effects on growth caused by presence of contaminants in soil
Buildings and Structures	Flow of ground gas into buildings. Asphyxiation, toxicity, explosion and fire hazards
	Sulphate attack of foundations
	Hydrocarbons penetrating plastic water supply pipes
Groundwater	Migration of soluble contaminants into groundwater on or off site. Migration of oils into groundwater on or off site.
Surface water	Migration of soluble contaminants and/or direct run-off of contaminants. Migration of oils into groundwater on or off site.

Initial Environmental Risk Assessment

General

It is accepted that an environmental risk assessment can be based on a source-pathway-target model. An examination is carried out as to whether a target will be at risk from a contamination source, that a source exists, and whether there are any pathways (routes of exposure) which might actually link the source to the target.

Environmental risk assessments rely heavily on numerical trigger concentrations or guidelines because exposure of targets to contamination is difficult to quantify directly. Quantification of risk is therefore mainly undertaken for general scenarios in order to derive trigger levels. These are derived for various contaminants for particular targets and routes of exposure. An example of a sensitive target would be users of a domestic back garden, where routes of exposure might be skin contact, dust inhalation, direct ingestion and indirect ingestion via cultivation and consumption of fruit and vegetables. In March 2002, the first parts of the new CLEA risk assessment guidance were released by DEFRA/Environment Agency.

The risk assessment approach is an extension of the 'fit for use' concept whereby land is cleaned up to a standard fit for the proposed use, that is, so all remaining risks are acceptable. However, as well as being 'fit for use', the environmental risk assessment approach also addresses the soil and water environment so that these are also safeguarded where necessary. For example if a site was contaminated with heavy metals and the development comprised the proposed construction of hard standings and buildings only, the fit-for-use approach might require no remediation for the site. However, consideration of the wider environment needs to address whether groundwater is being contaminated, and if so whether remediation is required for this reason.

The following classification presented by CIRIA has been used in the assessment of risk:

Estimation of risk from consideration of magnitude, consequences and probabilities				
Probability	Consequences			
	Severe	Moderate	Mild	Minor
High	Very high	High	Moderate	Moderate / Low
Medium	High	Moderate	Moderate / Low	Low
Low	Moderate	Moderate / Low	Low	Very Low
Unlikely	Moderate / Low	Low	Very Low	Very Low

Reference: Contaminated Land Risk Management; A Guide to Good Practice, CIRIA C552:2001

APPENDIX E

(i) Notes on Limitations

The desk study report includes examination and provision of historical maps and an environmental database search covering geology, hydrogeology, historical, land use, water abstractions, groundwater source protection zones, landfill sites, radon, trade directory entries, petrol filling stations and nature reserves for the site and surrounding area. A Coal Authority Report has not been obtained as part of the investigation.

This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese knotweed). It is recommended that these are considered as part of the assessment of development constraints for the site.

The assessment and judgements given in this report are directed by both the finite data on which they are based and the proposed works to which they are addressed. The data essentially comprised a study of available documented information from various sources together with discussions with relevant authorities and other interested parties. There may also be circumstances at the site that are not documented. The information reviewed is not exhaustive and has been accepted in good faith as providing representative and true data pertaining to site conditions. If additional information becomes available which might impact our environmental conclusions, we request the opportunity to review the information, reassess the potential concerns and modify our opinion if warranted.

It should be noted that any risks identified in this report are perceived risks based on the available information. Actual risks can only be assessed following a physical investigation of the site.

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