



The Sizewell C Project

6.8 Volume 7 Yoxford Roundabout and Other Highway Improvements

Chapter 11 Geology and Land Quality Appendices 11A - 11C

Revision: 1.0
Applicable Regulation: Regulation 5(2)(a)
PINS Reference Number: EN010012

May 2020

Planning Act 2008
Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009





APPENDIX 11A: PHASE 1 DESK STUDY REPORT

Please Note: The red line boundary used in the figures within the appendices was amended after these documents were finalised, and therefore does not reflect the boundaries in respect of which development consent has been sought in this application. However, these changes do not integrally change the conclusions and recommendations of this report.



Sizewell C: Yoxford Roundabout

Phase 1 Desk Study Report

EDF Energy

January 2020

Contents

Chapter	Page
Glossary of Abbreviations and Technical Terms	v
1. Introduction	1
1.1. General	1
1.2. Purpose and Structure of Report	1
1.3. Limitations	1
2. Site Location and Description	2
2.1. Proposed Development and Boundary	2
2.2. Site Location	2
2.3. Site Visit	2
3. Environmental Setting	4
3.1. General	4
3.2. Site History	4
3.3. Superficial and Bedrock Geology	5
3.4. Mineral Extraction and Ground Stability	6
3.5. Radon	6
3.6. Hydrogeology	7
3.7. Hydrology	7
3.8. Flood Risk	7
3.9. Pollution Incidents to Controlled Waters	8
3.10. Landfill Sites	8
3.11. Waste Management Sites	8
3.12. Hazardous Substances	8
3.13. Integrated Pollution Prevention and Control (IPPC) Sites	8
3.14. Registered Radioactive Substances	8
3.15. Fuel Stations	8
3.16. Contemporary Trade Directories	8
3.17. Sensitive Land Uses	8
3.18. UXO	9
3.19. Land Ownership / Access	9
4. Preliminary Conceptual Site Model (PCSM)	10
4.1. Approach to PCSM	10
4.2. Risk Estimation	10
4.3. Preliminary Conceptual Site Model (PCSM)	11
5. Summary and Conclusions	18
5.1. Data Gaps	18
5.2. Conclusions	18
6. References	20
Appendix A. Drawings and Figures	23
Appendix B. Envirocheck Report	24
Appendix C. Historical Borehole Logs	25
Appendix D. Site Visit Photographs	26
Appendix E. Zetica UXO Report	27
Appendix F. Definitions of Probability and Consequence	28

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Tables

Table 3-1 - Summary of site history	4
Table 3-2 - Ground stability conditions	6
Table 4-1 - Definitions of Estimated Risk	11
Table 4-2 - Estimation of the level of risk by comparison of consequence and probability	11
Table 4-3 - Summary of potential on-site and off-site sources of contamination	12
Table 4-4 - Summary of potential receptors	12
Table 4-5 - Preliminary Site Conceptual Model	15
Table 5-1 - Recommendations for further investigation	19

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Glossary of Abbreviations and Technical Terms

Abbreviation / Term	Description
BGS	British Geological Survey
COMAH	Control of Major Accident Hazards
CSM	Conceptual Site Model
DCO	Development Consent Order
EDF	EDF Energy
EIA	Environmental Impact Assessment
GAC	Generic Assessment Criteria
IPPC	Integrated Pollution Prevention and Control
m bgl	Metres below ground level
MAGIC	Multi Agency Geographic Information for the Countryside
NGR	National Grid Reference
NIHHS	Notification of Installations Handling Hazardous Substances
NPPF	National Planning Policy Framework
PCSM	Preliminary Conceptual Site Model
PINS	The Planning Inspectorate
RIGS	Regionally Important Geological Sites
SPZ	Source Protection Zone
SSAC	Site Specific Assessment Criteria
SSSI	Site of Special Scientific Interest
SZC	Sizewell C Development
UXO	Unexploded Ordnance

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1. Introduction

1.1. General

Atkins has been commissioned by EDF Energy (EDF) to carry out a desk-based review of available information for the proposed new nuclear power station at Sizewell, Suffolk (referred to as Sizewell C). It is intended to submit a Development Consent Order (DCO) application to the Secretary of State, which will be supported by various documents including an Environmental Impact Assessment (EIA). The development proposals are for two main elements:

- **The Main Development Site:** including reactor buildings, turbine halls, cooling water infrastructure, interim waste / fuel storage, operational service centre and offices, electricity transmission equipment and various associated highways infrastructure.
- **Associated Development sites:** including two Park and Ride sites, a freight management facility and improvements to rail / highways infrastructure.

This report is concerned with the proposed improvements to highways infrastructure specifically Yoxford Roundabout (referred to herein as the site).

The location of the site is provided in Figure 1 included in Appendix A.

1.2. Purpose and Structure of Report

The purpose of this report is to collate and assess, where possible, the findings of the environmental desk study relevant to the proposed development and to identify key gaps in data should there be any. The key focus of the report is to identify potential contamination risks associated with the proposed development through the preparation of a factual summary of the available information and where necessary, to assess the completeness and relevance of this information to identify requirements for further investigation. The information within this report will also form the baseline conditions for use in preparation of the Environmental Statement. An outline of the report content is provided below:

- Section 2 provides a description of the site location, including details of the proposed development and boundary as well as relevant off-site features;
- Section 3 sets out the desk study information obtained to establish the environmental setting of the site;
- Section 4 provides a preliminary conceptual site model (PCSM) developed through the identification and assessment of risk presented by potential contaminant linkages; and
- Section 5 summarises the extent of information available for the site, as well as identifying data gaps.

1.3. Limitations

The conclusions and recommendations of this report are based on the project description and redline boundary (Appendix A) provided to Atkins at the time of writing the draft report (July 2019).

The findings and opinions conveyed via this report are based on information obtained from a variety of sources as detailed within this report. Nevertheless, Atkins cannot and does not guarantee the authenticity or reliability of the third-party information. No attempt has been made to verify independently any data collected by others.

2. Site Location and Description

2.1. Proposed Development and Boundary

The Yoxford Roundabout forms part of the proposed improvements to highways infrastructure and is located approximately 150m east of Yoxford Village. The roundabout will replace the existing ghost island junction between the A12 (Main Road) and the B1122 (Middleton Road). The roundabout will be approximately 100m north of the existing junction and will be built on agricultural land to the east of the existing A12.

The red line boundary for the proposed development is provided in Figure 1 included in Appendix A.

2.2. Site Location

The site is located 150m east of Yoxford Village in Suffolk, and the National Grid Reference (NGR) for the approximate centre of the site is TM 39927 68738. The site comprises an irregular shaped area of agricultural land, a section of Main Road (A12) and the existing ghost island junction with Middleton Road (B1122). Access to the site can be gained from both the A12 and B1122.

2.3. Site Visit

A site visit was carried out by two Atkins Environmental Consultants during March 2019 to gain further information on the site setting, to consider the context of the proposed development, and to confirm the current desk study mapping and aerial photographs. Additionally, it was an opportunity to identify potential visual or olfactory evidence of contamination present at the site, at the time of the walkover. The observations from the site visit are summarised below and photographs are provided in Appendix D.

2.3.1. Land Use

The site was noted to comprise the existing A12 and B1122 roads and an area of agricultural land.

2.3.2. Site Boundaries

The site is bound to the north and south by agricultural land and isolated residential properties. Agricultural land and the village of Yoxford are present bounding the west of the site. A farm is present bounding the east of the site.

2.3.3. Surrounding Area

A pond and The Piggeries Farm are located 10m and 100m to the east of the site. Yoxford Sewage Works is located approximately 100m north east of the site. Yoxford Village, comprising mostly residential buildings, is located to the west of site, with Rookery Park located to the south of the site. The active East Suffolk line is located approximately 250m east of site running north to south.

2.3.4. Ground Cover and Topography

The ground cover at the site is primarily agricultural land comprising grass fields, with hardstanding present in areas of site associated with the current roads. The site is generally flat with a gentle slope down from west to east.

2.3.5. Surface water

A pond is located within the open agricultural fields approximately 10m to the east of the site. The River Yox, a tributary of the Minsmere River is present adjacent to the north of the site boundary.

2.3.6. Potential Hazards and Constraints

The proposed development involves the realignment of active roads and the construction of a new roundabout with associated traffic and potential utilities constraints. Access to the site may also be restricted due to landowner agreements and the current use of the agricultural fields, additional biosecurity measures may be required.

2.3.7. Visual / Olfactory Evidence of Contamination

No visual or olfactory evidence of contamination was noted during the site visit completed in March 2019.

3. Environmental Setting

3.1. General

An Envirocheck report [1] has been used to provide information relating to the site and surrounding areas, and is provided in Appendix B. Publicly available sources of information have also been consulted to provide additional information including British Geological Survey (BGS) geological mapping and historical borehole records [2], Defra's MAGIC online mapping [3], Zetica online unexploded ordnance (UXO) risk maps [4] and Suffolk Biological Records Centre website [5].

3.2. Site History

A review of the historical use of the site and surrounding area (within 500m of the site) has been undertaken to identify the nature and location of potentially contaminative activities that may have taken place on or adjacent to the site.

Historical maps between 1884 and 2018 at the 1:10,560 and 1:10,000 scale and between 1884 and 2000 at the 1:2,500 scale are presented within the Envirocheck report, included as Appendix B. Key aspects of the site history are summarised in Table 3-1.

Table 3-1 - Summary of site history

Date (Scale)	On-site	Surrounding area
1884 (1:2,500)	The majority of the site is shown as open fields with an unnamed road (current Main Road/A12) located along the western boundary and a further unnamed road (in the current position of Middleton Road) located along the southern boundary.	The village of Yoxford is present adjacent to the west of the site. Pins Wood is present adjacent to the south west of the site and The Rookery (parkland) is present 270m to the south east of the site.
1884 / 1885 (1:10,560)		The East Suffolk line is located approximately 250m east of site running north to south.
1904 (1:2,500) & 1905 (1:10,560)	No significant changes.	No significant changes.
1927 (1:2,500) & 1928 (1:10,560)	No significant changes.	The Cottage is present 20m south of the site. The Rookery is now labelled Rookery Park. A dam and a septic tank are labelled 50m and 200m south of the site within Rookery Park.
1950 / 1951 (1:10,560)	The roads to the west and south are now labelled as the A12 and B1122 respectively.	No significant changes.
1957 / 1958 (1:10,000)	No significant changes.	No significant changes.
1976-1978 (1:2,500)	Road embankments are shown adjacent to the northern carriageway of the A12.	The area to the east of site has undergone some development and the Sewage Works and Piggeries are now labelled 100m to the east and north east.
1982-1984 (1:10,000)	The western road is now labelled as the A12 (T).	No significant changes.
1988 (1:2,500) & 1991 (1:10,000)	No significant changes.	No significant changes.
1995 (1:2,500)	No significant changes.	No significant changes.

Date (Scale)	On-site	Surrounding area
2000 (1:2,500) & 2000 (1:10,000)	No significant changes.	A Coal Yard is identified 250m north of site, adjacent to the A12 (T).
2006 (1:10,000)	No significant changes.	No significant changes.
2018 (1:10,000)	No significant changes.	A pond is located in the agricultural fields between the north eastern site boundary and The Piggeries. The Coal Yard is no longer labelled, and historical BGS borehole logs for this area [2] refer to the site as a Former Coal Yard.

3.3. Superficial and Bedrock Geology

The geological sequence underlying the site has been determined from BGS website [2].

3.3.1. Made Ground / Artificial Deposits

Made Ground is not shown on the BGS online mapping [2], however the areas adjacent to the existing roads have the potential to include Made Ground. In addition, due to the nature of the site there is the potential for fly tipping in the site as well as the potential for farmers tips and pesticide soakaways, the constituents of which will be unknown.

3.3.2. Superficial Deposits

Available BGS records [2] indicate that the majority of the site has no recorded superficial deposits. Approximately 20% of the northern section of the site is underlain by superficial deposits of the Head Formation, which comprises of Clay, Silt, Sand and Gravel.

3.3.3. Bedrock and Structural Features

According to the BGS website [2], bedrock geology beneath the site comprises sand of the Crag Group, which comprises a suite of shallow-water marine and estuarine sands, gravels, silts and clays. There are no significant geological structural features mapped on or within 500m of the site.

3.3.4. Historical Borehole Logs

Historical borehole logs [2] have been identified in three areas within 500m of the proposed site and are presented in Appendix C. A summary of the logs is provided below.

3.3.4.1. Former Coal Yard Window Sample Logs

Eight window samples to a maximum depth of 4m below ground level (bgl) were drilled within the former Coal Yard located 250m north of the site in 2005. These logs for the window samples indicate the underlying geology in this area to include:

- Made Ground comprising of brown/dark green silty Sand, to a maximum depth of 1.1m bgl; and
- Bedrock (Crag Group), comprising of fine-coarse Sand.

Groundwater was not recorded present during the ground investigation.

3.3.4.2. Test Pumping at The Piggery

A pumping test was undertaken within a borehole (TM46NW27) in 2009 at The Piggery located approximately 10m to the north east of the site. The following ground conditions were reported on the test pumping log:

- Topsoil – Ground level – 0.2m bgl;
- Sand with small stones – 0.2m – 15.5m bgl;
- Grey Clay with Silt – 15.5m – 16.5m bgl; and,
- Green Sand and shells – 16.5m – 31.5m bgl.

Groundwater was recorded at 4.4m bgl, with a pumping rate of 3m³/hr for a single day. No draw down was recorded during the pumping test.

3.3.4.3. Land at Shean Trial Pits

Nine trial pits were excavated in 2002 in the vicinity of Cullcott Close, approximately 500m south west of the site. The trial pits were excavated to a maximum depth of 1.1m bgl. Chemical soil tests were undertaken at each location. However, the chemical data was not available as part of the log for review. Hydrocarbon odours were identified in one trial pit (TM36NE44). Made Ground of light brown/orange silty sandy topsoil was recorded at each location. Groundwater was not recorded present in the nine trial pits.

3.3.5. Local Geological Sites

According to mapping on the Suffolk Biological Records Centre website [5] the site is not located within a Local Geological Site, formerly known as Regionally Important Geological or Geomorphological Sites (RIGS).

3.4. Mineral Extraction and Ground Stability

3.4.1. Mining and Natural Cavities

The BGS website [2] and Envirocheck report [1] indicate that the site is in an area unlikely to be affected by coal mining and is not located within a Coal Licence area. Given the regional geology, it is unlikely that there will be any coal-bearing strata present at workable depth at the site or within the vicinity of the site.

3.4.2. Historical Extractive Activities

The BGS website [2] and Envirocheck report [1] does not indicate any historical extractive activities on or located within 500m of the site. Furthermore, the Suffolk County Council Minerals Local Plan [6] indicates there are no planned areas of mineral extraction within 1km of the site.

The historical map review identified a Coal Yard located 250m north of site. However, the site is listed as a former Coal Yard in historical borehole logs. The nature of the activities conducted at this site are unknown but do not appear on the Coal Authority's maps [7] and the area is likely to have been used for storage of materials rather than an extraction site.

3.4.3. Ground Stability

The ground stability conditions found at the site, according to the Envirocheck report [1], are listed in Table 3-2.

Table 3-2 - Ground stability conditions

Condition	Potential
Collapsible ground stability hazards	Very low
Compressible ground stability hazards	No hazard
Ground dissolution stability hazards	No hazard
Landslide ground stability hazards	Very low
Running sand ground stability hazards	Low
Shrinking or swelling clay ground stability hazards	Low

3.5. Radon

The BGS website [2] and BRE Radon maps [8] indicate that the site is in a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protective measures are necessary in the construction of new buildings. No permanent buildings are proposed to be constructed as part of the works, however temporary buildings including site compounds will be required during construction. It should be noted that it is not a requirement to test new non-domestic

buildings for radon gas. However, under the Health and Safety at Work Act, the employer has a duty to ensure that the risk to employees from radon is kept within acceptable levels.

3.6. Hydrogeology

The small section of superficial head deposits underlying the north of the site are classified by the Environment Agency as a Secondary (Undifferentiated) Aquifer¹.

According to the Envirocheck report [1], the Crag Group bedrock underlying the site is classified as a Principal Aquifer². The site is not located within 500m of a groundwater Source Protection Zone (SPZ)³.

3.6.1. Groundwater Abstractions

According to the Sizewell C Scoping Report [9] the Crag and superficial aquifers support a number of licensed and private water supplies. The Envirocheck report [1] indicates that there are two licensed groundwater abstractions for wells located at The Limes and Rookery Park approximately 100m and 300m south of the site. The licences are for the abstraction of groundwater within the Crag Group for general farming and domestic use.

3.7. Hydrology

A single small pond is located approximately 10m to the north-east of the site. The pond is visible on current Ordnance Survey mapping and aerial photographs included in the Envirocheck report [1]. However, the water level within the pond appears to be variable with different water levels indicated on historical and current aerial photographs.

The River Yox, a tributary of the Minsmere River, is present adjacent to the north of the site at its closest point. An unnamed tributary of the River Yox is located 100m to the east of the site. Drains associated with this river and the Rookery Park lake are present 250m to the south of the site, as well as an unmarked water body associated with the Yoxford Sewage Works. The Environment Agency Catchment Data Explorer Website [10] indicates that this river is a heavily modified waterbody with an ecological status of moderate and a chemical status of good in 2016.

3.7.1. Surface water Abstractions

The Envirocheck report [1] indicates that there is one surface water abstraction located 240m to the east of the site. The licence is for the abstraction of water from the Minsmere 'New Cut' River for general agriculture spray irrigation use.

3.7.2. Discharge Consents

The Envirocheck report [1] indicates that there is a discharge consent located 156m to the north-east of the site for final/treated effluent sewage discharges from the Yoxford Sewage Treatment Works into the Minsmere River.

3.8. Flood Risk

The Flood Map for Planning website [11] indicates that the site is not within an area known to be at risk from flooding from rivers or the sea. Risks associated with groundwater, sewer and reservoir flooding at the site are also considered to be low. The Environment Agency's long-term flood risk mapping shows that the majority of the site is also at very low risk of flooding from surface water. However, the northern-most section of the site is at high risk of surface water flooding and falls within Flood Zone 2.

¹ A Secondary (Undifferentiated) aquifer is designated in cases where it has not been possible to attribute either category Secondary A or Secondary B to a rock type.

² Principal Aquifers are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.

³ Source Protection Zones show the risk of contamination from activities that might cause pollution in the area. The closer the activity, the greater the risk.

3.9. Pollution Incidents to Controlled Waters

The Envirocheck report [1] indicates that there have been three recorded pollution incidents within 500m of the site boundary, as follows:

- A category 3 (Minor incident) was recorded 141m to the north of site on 23 February 1998 involving the accidental spillage/leakage of oil (diesel including agricultural) into the Minsmere River;
- A category 3 (Minor incident) was recorded 236m to the north of site on 9 January 1996 involving an accidental spillage/leakage of oil (diesel including agricultural) into a tributary of the River Yox; and
- A category 2 (Significant incident) involving an unknown pollution incident into the River Yox was recorded 417m west of the site on 17 December 1992.

3.10. Landfill Sites

Information from the Envirocheck report [1] indicates that there are no historic landfills or currently authorised landfills located within 250m of the site.

3.11. Waste Management Sites

The Envirocheck report [1] indicates that there are no waste management sites located on or within 500m of the site.

3.12. Hazardous Substances

The Envirocheck report [1] indicates that there are none of the following sites located on or within 500m of the site:

- Control of Major Accident Hazards Sites (COMAH);
- Explosive Sites;
- Notification of Installations Handling Hazardous Substances (NIHHS); and
- Planning Hazardous Substance Consents.

3.13. Integrated Pollution Prevention and Control (IPPC) Sites

According to the Envirocheck report [1] there are no IPPC sites on or within 500m of the site.

3.14. Registered Radioactive Substances

The Envirocheck report [1] indicates that there are no registered radioactive substances on or within 500m of the site.

3.15. Fuel Stations

The Envirocheck report [1] indicates that there are no fuel stations within 500m of the site.

3.16. Contemporary Trade Directories

The Envirocheck report [1] indicates that there are no active trade establishments that have the potential to use contaminants of concern in their processes on or within 500m of the site.

3.17. Sensitive Land Uses

The MAGIC website [3] and Envirocheck report [1] were reviewed for the ecological and historic statutory land designations within 500m of the site.

Twelve Grade II listed buildings are reported to be located within 500m of the site. Two are Grade II* (Church of St Mary and St Andrew) and the remaining ten are Grade II and generally relate to

buildings within the villages of Stratford St Andrew and Farnham and are located within Yoxford Conservation Area.

The DEFRA website [3] indicates that the site lies within a surface (Leiston Beck and Minsmere Old River) and groundwater (Yoxford) Nitrate Vulnerable Zone (NVZ)⁴. A non-statutory designated ecological site is located adjacent to the site and is designated for a rare species of fungi (Sandy Stilt Puffball).

3.18. UXO

The Zetica UXO online risk map was reviewed to assess the risk of encountering UXO at the site. The map indicates that the site is located within an area that has a low risk of UXO being present. The UXO risk map is included in Appendix E.

3.19. Land Ownership / Access

Access to the Yoxford Roundabout is possible via the existing roads. However, the majority of the land required for the proposed development appears to be privately owned farmland.

⁴ Nitrate Vulnerable Zone (NVZ) is designated where land drains and contributes to the nitrate found in 'polluted' waters. Polluted waters include:

- Surface or ground waters that contain at least 50mg per litre (mg/l) nitrate
- Surface or ground waters that are likely to contain at least 50mg/l nitrate if no action is taken
- Waters which are eutrophic, or are likely to become eutrophic if no action is taken

A water is eutrophic if it contains levels of nitrogen compounds that cause excessive plant growth resulting in 'an undesirable disturbance to the balance of organisms present in the water and to the quality of the water'.

4. Preliminary Conceptual Site Model (PCSM)

4.1. Approach to PCSM

The PCSM has been developed based on the site description provided in Section 2.1.

Land contamination is assessed through the identification of risk presented by potential contaminant linkages (PCLs), i.e. Source – Pathway – Receptor relationships, and the development of a Conceptual Site Model (CSM). Guidance provided by the Environment Agency in CLR11⁵ [12] and the Guiding Principles for Land Contamination (GPLC) documents [13] provide the technical framework for the development of such CSMs and the application of risk assessment (qualitative or quantitative) to consider whether potential pollutant linkages are significant and require appropriate management or mitigation.

The National Policy Statement (NPS) for Energy Infrastructure, accompanied by the NPS for Nuclear Power Generation, does not make specific requirement for Land Quality assessment beyond to consider the risks posed by land contamination and need for an Environmental Impact Assessment (EIA). Section 4.10 of the NPS EN-01 confirms that issues related to land quality may be subject to separate regulation, and therefore the National Planning Policy Framework (NPPF) [14] has been consulted regarding the need for additional environmental assessment.

The NPPF [14] states that “to prevent unacceptable risks from pollution and land instability, planning policies and decisions should ensure that new development is appropriate for its location. The effects (including cumulative effects) of pollution on health, the natural environment or general amenity, and the potential sensitivity of an area or proposed development to adverse effects from pollution, should be taken into account. Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner.” The basis of CLR11 and GPLC1 is the development of the CSM which is the representation of the source-pathway-receptor (pollutant) linkages on which the assessment of risk can be based.

The basic approach to the human health and controlled water risk assessment reported here follows the principles given in CLR11 and GPLC1, i.e. application of the following assessment hierarchy:

- Tier 1 risk screening by establishment of potential pollutant linkages, i.e. the preliminary conceptual site model (PCSM);
- Tier 2 generic quantitative assessment using generic assessment criteria (GACs) that represent ‘minimal’ or ‘tolerable’ risk; and
- Tier 3 quantitative risk assessment using site specific assessment criteria (SSACs) that represent ‘unacceptable risk’, or where generic assessment criteria are not available or they are not applicable to the CSM.

At this stage, the following PCSM has been developed using the proposed scheme details and desk study information summarised in the preceding sections of this report, i.e. a Tier 1 assessment.

4.2. Risk Estimation

Through consideration of the potential consequence and likelihood of exposure occurring, a potential risk rating for each PCL has been assigned and is presented in Section 4.3.4. The purpose of this assessment is to focus upon the potential risks present based on the proposed development, with no mitigation measures. The definitions of estimated risk are taken from CIRIA report C552 [15] and have been summarised in Table 4-1 below.

⁵ It is noted that CLR11 is due to be withdrawn in December 2019 and replaced by updated online guidance: Environment agency (June 2019) Land contamination: Risk Management (LCRM).

Table 4-1 - Definitions of Estimated Risk

Risk Level	Definition
Very High Risk	There is a high probability that severe harm could arise to a designated receptor or there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
High Risk	Harm is likely to arise to a designated receptor. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not already undertaken) is required and remedial works may be necessary in the short term and are likely over the long term.
Medium Risk	It is possible that harm could arise to a designated receptor. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long term.
Low Risk	It is possible that harm could arise to a designated receptor, but it is likely that this harm, if realised, would be mild. Further investigation is not necessarily required, however should be considered to confirm that there is no unanticipated contamination present.
Very Low Risk	The possibility of harm to the designated receptor is either not plausible or, if the possibility of harm is plausible, risk is considered to be very unlikely with attenuation along the exposure pathway. Further investigation is not necessarily required, however may be considered to confirm that there is no unanticipated contamination present.

The risk is evaluated through the probability matrix presented in Table 4-2. The definitions of probability and consequence are given in Appendix F.

Table 4-2 - Estimation of the level of risk by comparison of consequence and probability

Probability (Likelihood)	Consequence			
	Severe	Medium	Mild	Minor
High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

4.3. Preliminary Conceptual Site Model (PCSM)

Based upon the historical and present land uses identified in the various sources and publicly available information reviewed, a PCSM has been produced, identifying potential sources of contamination, migration or exposure pathways and receptors for the site. A worst-case scenario has been adopted in the preparation of this PCSM, i.e. likely potential sources, exposure or migration pathways and sensitive receptors have been assumed to be present.

The following sections are described in terms of the potential source – pathway – receptor PCLs, which are defined by interpretation of the information contained within this desk study and the details of the proposed development, correct at the time of writing (July 2019).

4.3.1. Potential Contaminants

The potential sources of contamination and associated groups of potential contaminants of concern have been identified from the desk-based review of information, and are outlined in Table 4-3 below. The list of activities and contaminants of concern in the table below should not be considered exhaustive and provides a guide to the likely range of contaminants which may be present at or around the site.

Table 4-3 - Summary of potential on-site and off-site sources of contamination

	Activity / Feature	Potential Contaminants
On-site	Made Ground associated with the construction of the existing roads including A12 and B1122 as well as activities associated with their operation.	A range of inorganic and organic contaminants including polyaromatic hydrocarbons (PAHs), coal tars, asbestos and ground gases. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.
	Farmland within site boundary. Potential for unmapped farmers tips.	Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, herbicides, pesticides, silage, effluent, and fuel/engine oils.
Off-site	Yoxford Sewage Works (approximately 100m east). Historic Septic Tank 200m south).	Metals, organic contaminants including biological contaminants.
	Farms including The Piggeries within 500m of the site. Potential for unmapped farmers tips/soakaways.	Risk of inorganic and organic contamination including herbicides, pesticides, silage effluent, and fuel/engine oil.
	Made Ground associated with the construction of the roads extending off-site including the A12 and B1122 as well as activities associated with their operation.	A range of inorganic and organic contaminants including PAHs, coal tars, asbestos and ground gases. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.
	East Suffolk rail line approximately 250m east of the site	A range of inorganic and organic contaminants including hydrocarbons, PCBs, PAHs, solvents and creosote, metals and ash and fill used in the construction of the railway.
	Former Coal Yard 250m north of site	A range of inorganic and organic contaminants including the potential for asbestos associated with the Made Ground present and spills and leaks, etc.

4.3.2. Potential Receptors

This section details potential receptors which are relevant to the current site uses and may be relevant to the construction and operation of the site. Potential receptors are outlined in Table 4-4.

Table 4-4 - Summary of potential receptors

Receptor Groups	Current site use	Future roads
Human health (on site)	Pedestrians and road users using existing roads, footpaths and fields within the site	Pedestrians and road users using existing roads, footpaths and fields within the site
	Farmers and workers on agricultural land	Pedestrians and road users using new roundabout, crossings and footpaths
	Maintenance workers	Construction / maintenance workers
Human health (off-site)	Occupants of nearby residential and commercial properties	Occupants of nearby residential and commercial properties
	Pedestrians accessing surrounding roads and footpaths	Pedestrians accessing surrounding roads and footpaths
	Farmers and workers on agricultural land	Farmers and workers on agricultural land
Controlled Waters	Groundwater in Principal bedrock aquifer	Groundwater in Principal bedrock aquifer
	Groundwater in Secondary undifferentiated superficial aquifer	Groundwater in Secondary undifferentiated superficial aquifer

Receptor Groups	Current site use	Future roads
	Surface water bodies including ponds, River Yox, ditches and drains off-site	Surface water bodies including ponds, River Yox, ditches and drains off-site
Property	Existing on-site and off-site services and structures (including listed buildings)	Existing on-site and off-site services and structures (including listed buildings)
	Crops and livestock (on and off-site)	Crops and livestock (off-site)
	-	Proposed on-site services and structures
Ecological	Non-statutory designation for fungi: Sandy Stilt Puffball (off-site)	Non-statutory designation for fungi: Sandy Stilt Puffball (off-site)

4.3.3. Potential Migration / Exposure Pathways

This section details the potential migration or exposure pathways between the sources of contamination and receptors identified above. For a pollutant linkage to exist between the contaminant sources identified and the potential receptors, a pathway must exist.

Potential Human Exposure Pathways:

Potential exposure pathways to the identified on-site human receptors include:

- Dermal contact with and/or ingestion of contaminants in soils, soil-derived dusts and water; and
- Inhalation of soil derived dust, fibres and gas/vapours.

The potential exposure pathways to the identified off-site human receptors include:

- Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated off site; and,
- Inhalation of windblown soil derived dust, fibres and gas/vapours which may have migrated off site.

Potential Controlled Waters Exposure Pathways:

- Leaching of contaminants in soil to groundwater in underlying aquifers;
- Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers;
- Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow; and
- Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.

Potential Property Exposure Pathways:

- Direct contact of contaminants in soil and/or groundwater with existing and proposed structures and buried services;
- Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata; and
- Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.

Potential Ecological Exposure Pathways:

- Migration of contaminated waters/dust/fibres and subsequent uptake by flora or ingestion/inhalation/dermal contact by fauna.

4.3.4. PCSM and Underpinning Assessment Assumptions

Table 4.5 presents the key information included in the PCSM prepared for the site in its current undeveloped state (baseline), and also for future scenarios (construction and operation). A post-

operation (decommissioned) scenario has not been considered as this scenario is unlikely given the proposals for a new roundabout. The assessment has been undertaken using the following assumptions:

- The site has been developed as described in Section 2.1; and,
- Construction has been carried out in accordance with appropriate Health and Safety and environmental protection requirements.

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Table 4-5 - Preliminary Site Conceptual Model

Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
<p>ON-SITE: Made Ground associated with the construction of the existing roads including A12 and B1122 as well as activities associated with their operation: <i>Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. A range of inorganic and organic contaminants including the potential for asbestos.</i></p> <p>Farmland within site boundary. Potential for unmapped farmers tips: <i>Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.</i></p>	<p>Human health: On-site</p>	Farmers and workers on agricultural land	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Low likelihood	Mild	Low risk	Receptor not present	--	--	Receptor not present	--	--
		Construction / maintenance workers	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapours.	Low likelihood	Mild	Low risk	Low likelihood ⁶	Mild	Low risk	Unlikely	Mild	Very low risk
		Current pedestrians and road users using existing roads and footpaths within the site		Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk
		Pedestrians and road users using future roads, footpaths and new roundabout within the site		Receptor not present	--	--	Receptor not present	--	--	Low likelihood	Mild	Low risk
	<p>Human health: Off-site</p>	Occupants of residential and commercial properties in the surrounding area	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Pedestrians accessing surrounding roads and footpaths	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapour which may have migrated off-site.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Farmers and workers on agricultural land		Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
	<p>Controlled Waters</p>	Principal Bedrock and Superficial undifferentiated aquifers	Leaching / migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low Risk	Low likelihood	Medium	Moderate / low risk	Low likelihood	Medium	Moderate / low risk
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk	Low likelihood	Medium	Moderate / low risk	Low likelihood	Medium	Moderate / low risk
		Surface water bodies including ponds and River Yox, ditches and drains off site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Unlikely	Mild	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
			Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		<p>Property / services</p>	Existing on-site and off-site services and structures (including listed buildings)	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor
	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.			Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk

⁶ It has been assumed that all construction workers will adhere to site working practices, including use of appropriate PPE

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
		Proposed on-site services and structures associated with the site	Receptor not present	--	--	Receptor not present	--	--	Unlikely	Minor	Very low risk	
			Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very Low risk	
		Crops and livestock (on-site)	Unlikely	Mild	Very low risk	Receptor not present	--	--	Unlikely	Mild	Very low risk	
		Crops and livestock (off-site)	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
	Ecological	Non-statutory designation for fungi: Sandy Stilt Puffball (off-site)	Migration of contaminated waters/dust/fibres and subsequent uptake by fungi.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
	OFF-SITE: Yoxford Sewage Works (approximately 100m east) and historic septic tank (approximately 200m south) <i>Metals, organic contaminants including bacterial contaminants.</i> Farms including piggeries within 500m of the site. Potential for unmapped farmers tips: <i>Contamination risk from herbicides, pesticides, silage effluent, and fuel oil. Risk of inorganic and organic contamination.</i> Made Ground associated with the construction of the roads extending off-site including A12 Road, and B1122 Road as well as activities associated with their operation: <i>Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. A range of inorganic and organic contaminants including the potential for asbestos.</i> East Suffolk line approximately 250m east of the site A range of inorganic and organic contaminants including hydrocarbons, PAHs, metals and ash and fill used in the construction of the railway.	Human health: On-site	Construction maintenance workers	Low likelihood	Mild	Low risk	Low likelihood	Mild	Low risk	Unlikely	Mild	Very low risk
			Current pedestrians and road users using existing roads and footpaths within the site	Unlikely	Mild	Very low risk	Receptor not present	--	--	Unlikely	Mild	Very low risk
Pedestrians and road users using future roads, footpaths and new roundabout within the site			Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk	
Farmers and workers on agricultural land			Unlikely	Mild	Very low risk	Receptor not present	--	--	Receptor not present	--	--	
	Controlled waters	Principal Bedrock and Secondary undifferentiated aquifers	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	
		Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	Unlikely	Medium	Low Risk	
	Property / services	Existing on-site services and structures	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	
		Proposed on-site services and structures	Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk	

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Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation		
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category
Former Coal Yard 250m north of site <i>A range of inorganic and organic contaminants including the potential for asbestos.</i>		Crops and livestock (on-site) Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Unlikely	Mild	Very low risk	Receptor not present	--	--	Receptor not present	--	--

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5. Summary and Conclusions

5.1. Data Gaps

A limitation to the identification and assessment of PCLs in this report is the absence of intrusive ground investigation data. This would give specific, localised information regarding the conditions of the underlying ground and would enable a more accurate identification of risk to human health and controlled waters.

5.2. Conclusions

The site comprises agricultural land and roads including a section of Main Road (A12) and Middleton Road (B1122). Therefore, it is anticipated that potential on-site contamination sources will be limited to Made Ground (including the potential for asbestos) associated with the construction of the existing roads as well as activities associated with their operation and activities relating to agricultural land use. There is also the potential to encounter undocumented farmer's tips within the site.

Risks to human health without mitigation measures were considered to be low to very low, based on the findings of the desk study. Risks to controlled waters were considered to be moderate / low to very low. The Principal Aquifer beneath the site was considered to have a medium consequence if affected by contamination due to the absence of SPZ. Risks to property and services and ecological receptors were generally assessed as being very low, given the unlikely probability and mild consequence of these receptors being affected.

It has been assumed that during construction site workers will wear appropriate PPE and employ standard site management and mitigation procedures in order to protect receptors from exposure to / mobilisation of contaminants. On the basis of the risk classifications for the various receptors, recommendations for further investigation are listed in Table 5-1 below.

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Table 5-1 - Recommendations for further investigation

Receptor		Highest risk classification	Recommended actions / further assessment
Human health (on-site)	Current pedestrians and road users using existing roads and footpaths within the site	Low risk	Specific intrusive investigation is not likely to be required for contamination purposes. However, the low potential for contamination should be confirmed through limited sampling and chemical analysis as part of a geotechnical ground investigation.
	Pedestrians and road users using future roads, roundabout and footpaths within the site	Low risk	
	Farmers and workers on agricultural land	Low risk	
	Construction / maintenance workers	Low risk	
Human health (off-site)	Occupants of nearby residential and commercial properties	Very low risk	
	Pedestrians accessing surrounding roads and footpaths	Very low risk	
	Farmers and workers on agricultural land	Very low risk	
Controlled waters	Principal Bedrock and Secondary undifferentiated aquifers	Moderate / low risk	Given the sensitivity of the receptor, especially the Principal Aquifer, it would be appropriate to ensure that the proposed works will not adversely affect groundwater through mobilisation of contamination or creation of preferential migration pathways. This could be through limited intrusive ground investigation and chemical analysis to establish whether there is a source of contamination present and to confirm groundwater flow direction.
	Surface water bodies including ponds near site and Minsmere 'New Cut' River, ponds, ditches and drains off site.	Very low risk	Specific intrusive investigation is not likely to be required for contamination purposes. However, the low potential for contamination should be confirmed through limited sampling and chemical analysis as part of a geotechnical ground investigation.
Property	Existing structures and services on site	Very low risk	
	Existing off-site services and structures (including listed buildings)	Very low risk	
	Proposed on-site services and structures	Very low risk	
	Crops and livestock (on-site and off-site)	Very low risk	
Ecological	Non-statutory designation for fungi: Sandy Stilt Puffball (off-site)	Very low risk	

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6. References

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- [2] British Geological Society, "Geoindex," 2018. [Online]. Available: <http://mapapps2.bgs.ac.uk/geoindex/home.html?layer=BGSHydroMap>. [Accessed 08 May 2018].
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[1 UK Government, “Open Data,” 2018. [Online]. Available: <https://data.gov.uk/>. [Accessed 08

7] May 2018].

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[1 Landmark Group, “Envirocheck Report 40176294_1_1,” 2012.

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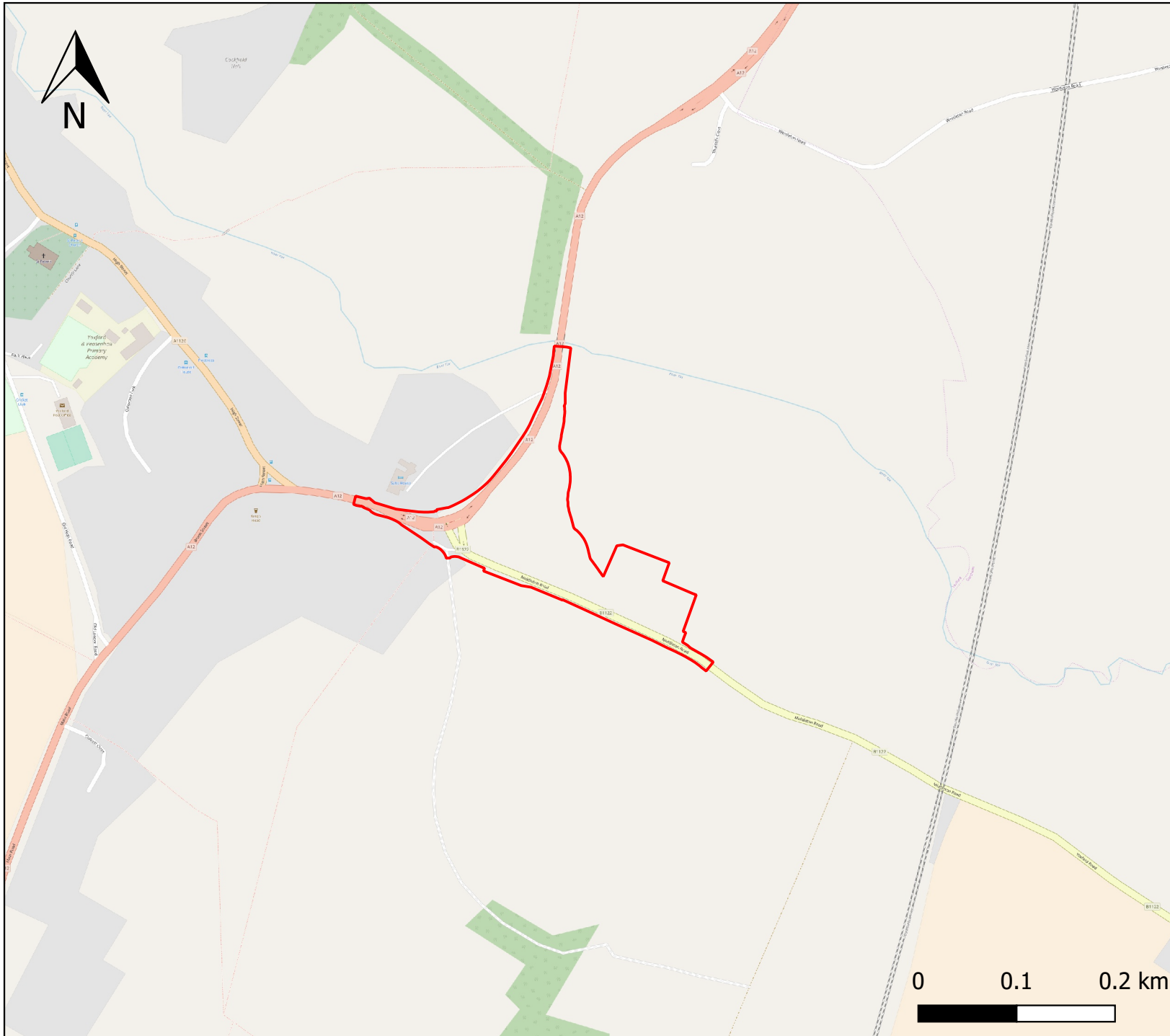
Appendices

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Appendix A. Drawings and Figures

Please Note: The Desk Study Report completed in July 2019 is based on the red line boundary available at that date. Final red line boundaries have been issued in January 2020, however, these changes do not integrally change the conclusions and recommendations of this report.

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Legend

Site Boundary

Notes

1) BACKGROUND MAPPING SOURCED FROM OPENSTREETMAP VIA QGIS OPEN LAYERS PLUG IN (20% TRANSPARENCY).
 2) DO NOT SCALE.

Client



Project Title

Sizewell C

Drawing Title

Phase 1 Desk Study Red Line Boundary

Scale	Designed	Drawn	Checked	Authorised
SRH	SRH	SRH	JA	JA

Original Size	Date	Date	Date	Date
A4	20/08/2018	20/08/2018	20/08/2018	20/08/2018

Drawing Number	Revision
Figure 1	01

ATKINS

The Axis
10 Holliday Street
Birmingham
B1 1TF

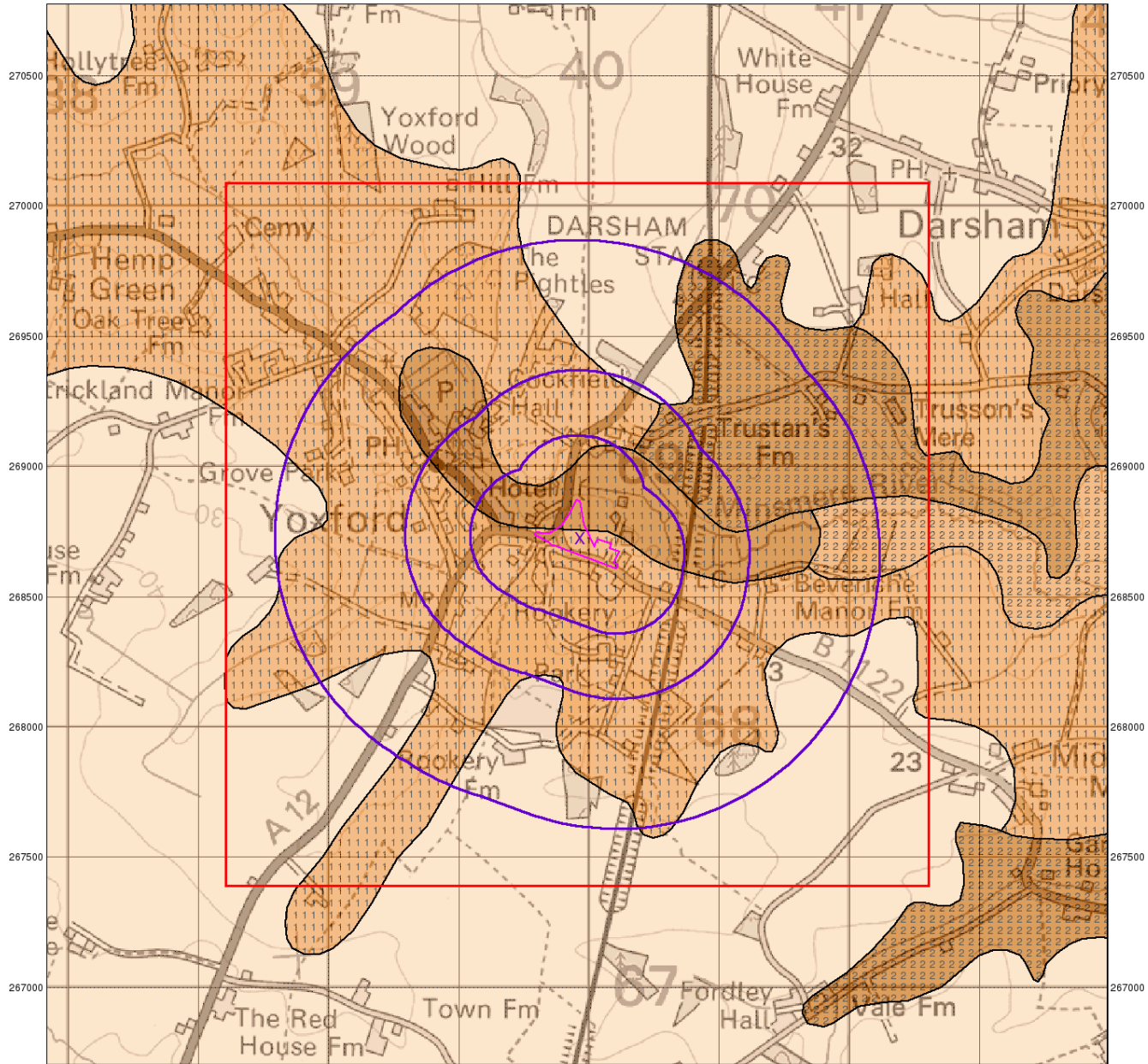
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Appendix B. Envirocheck Report

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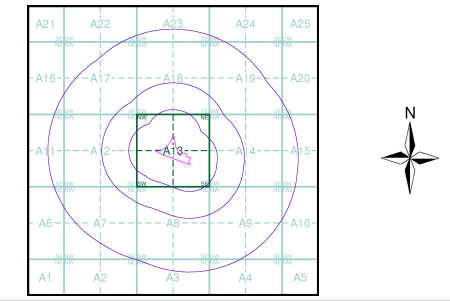
Groundwater Vulnerability

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

Agency and Hydrological

Geological Classes	Soil Classes
<ul style="list-style-type: none"> Major Aquifer (Highly Permeable) Minor Aquifer (Variably Permeable) Non Aquifer (Negligibly Permeable) Water or Sea Drift Deposit 	<ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low

Site Sensitivity Context Map - Slice A



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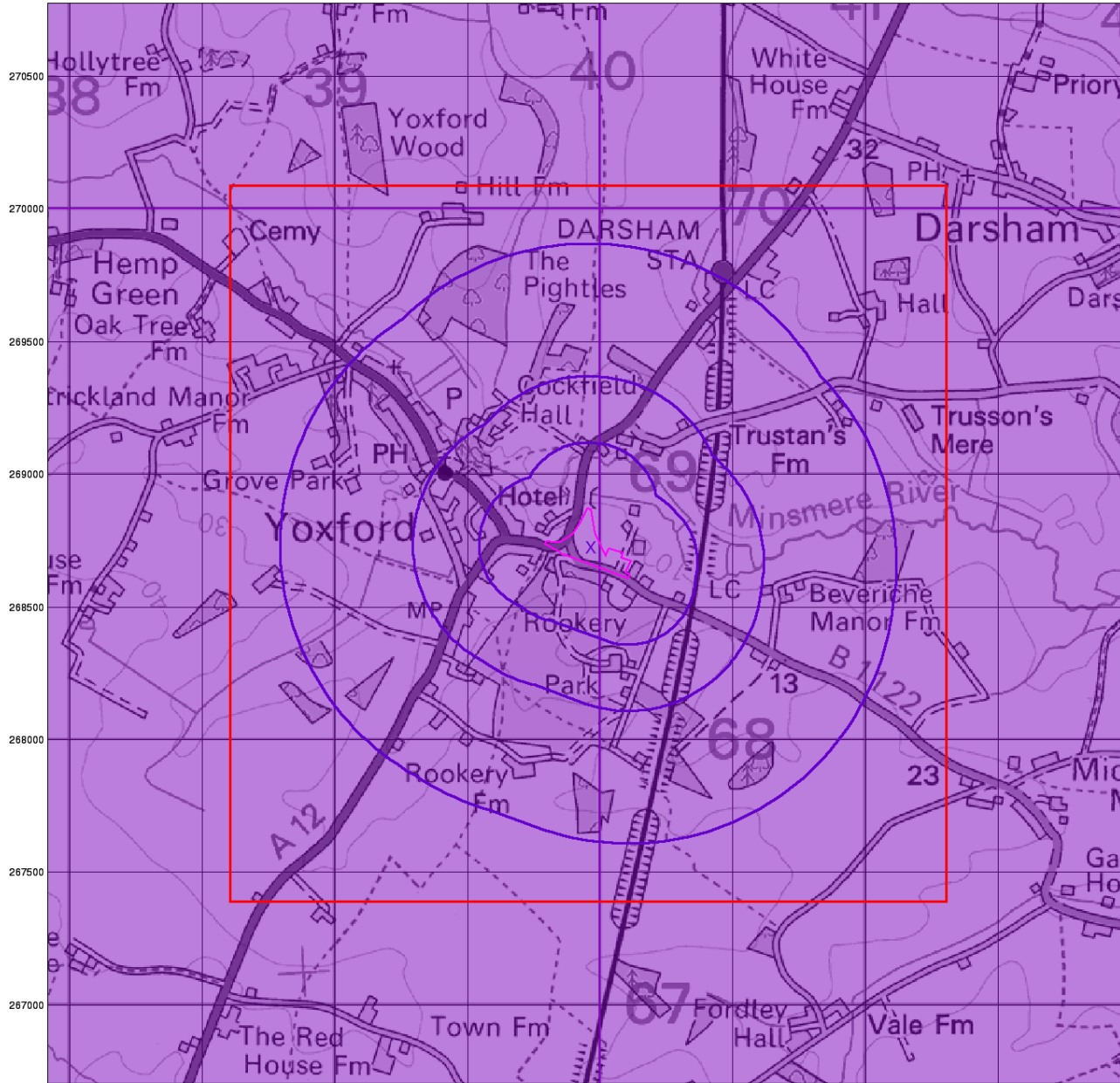
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 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details
 Site at, Yoxford, Suffolk

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Bedrock Aquifer Designation

General

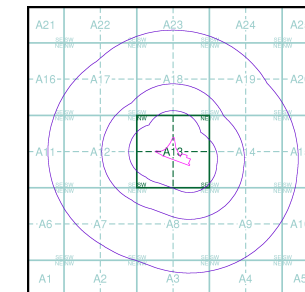
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- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

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 National Grid Reference: 639970, 268730
 Slice: A
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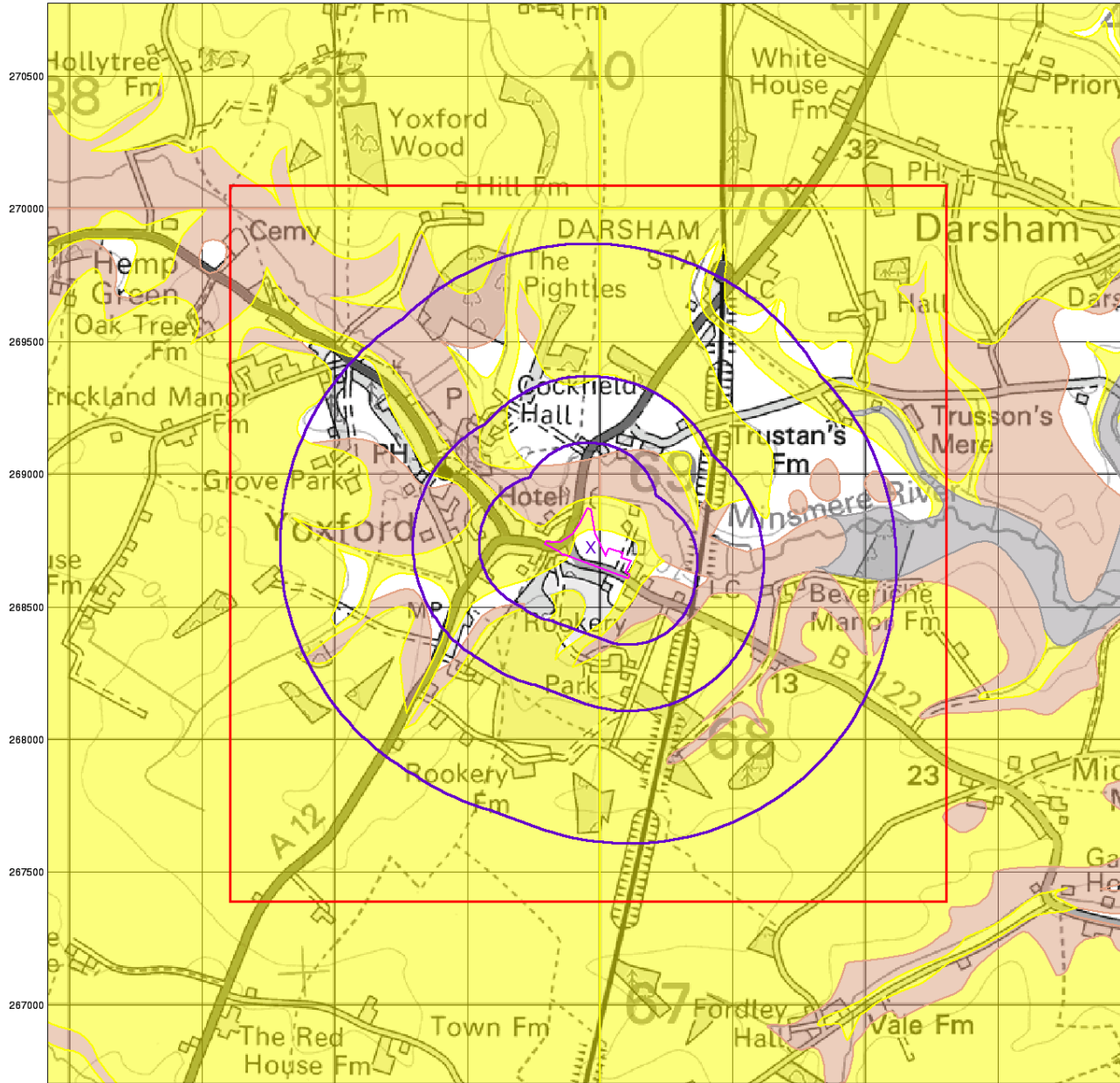
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Superficial Aquifer Designation

General

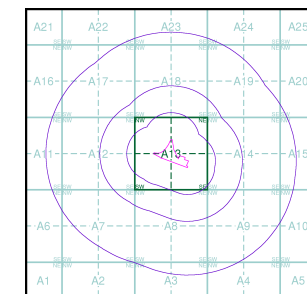
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- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



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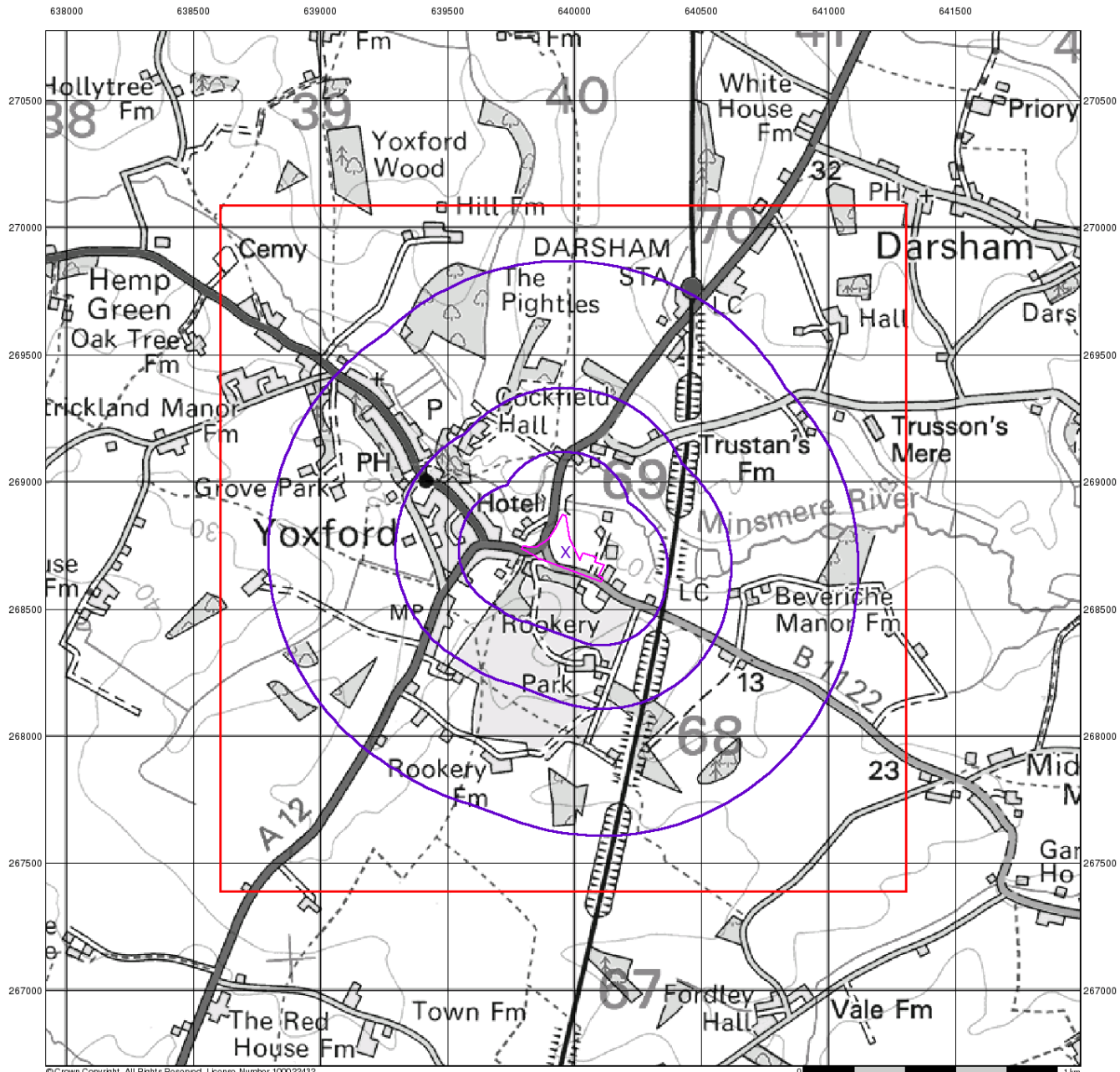
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Source Protection Zones

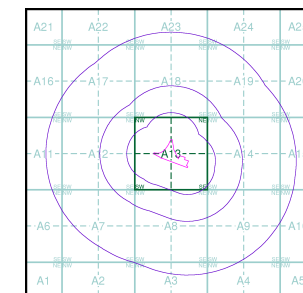
General

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- Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



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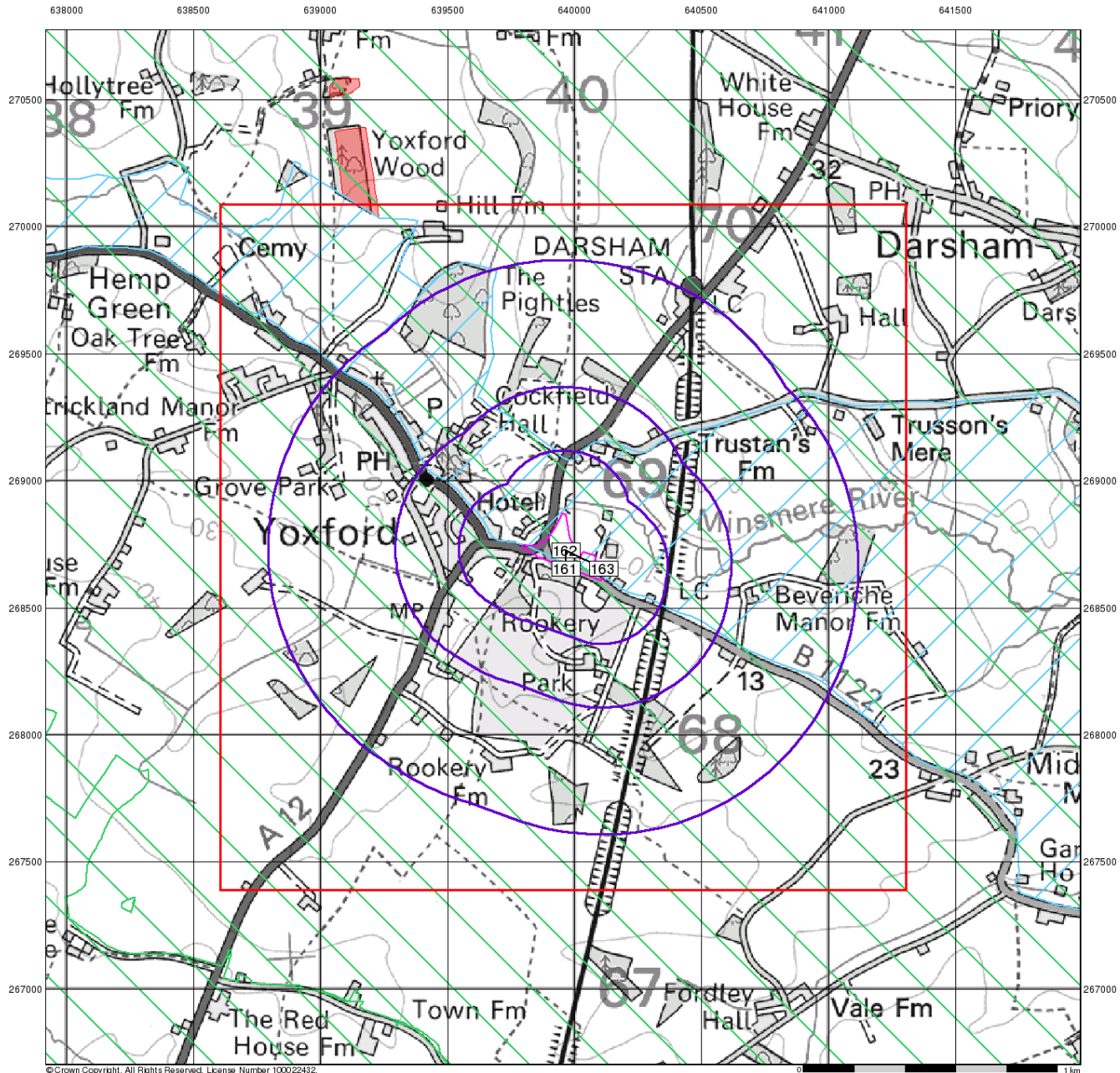
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Sensitive Land Uses

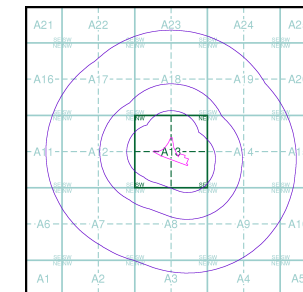
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

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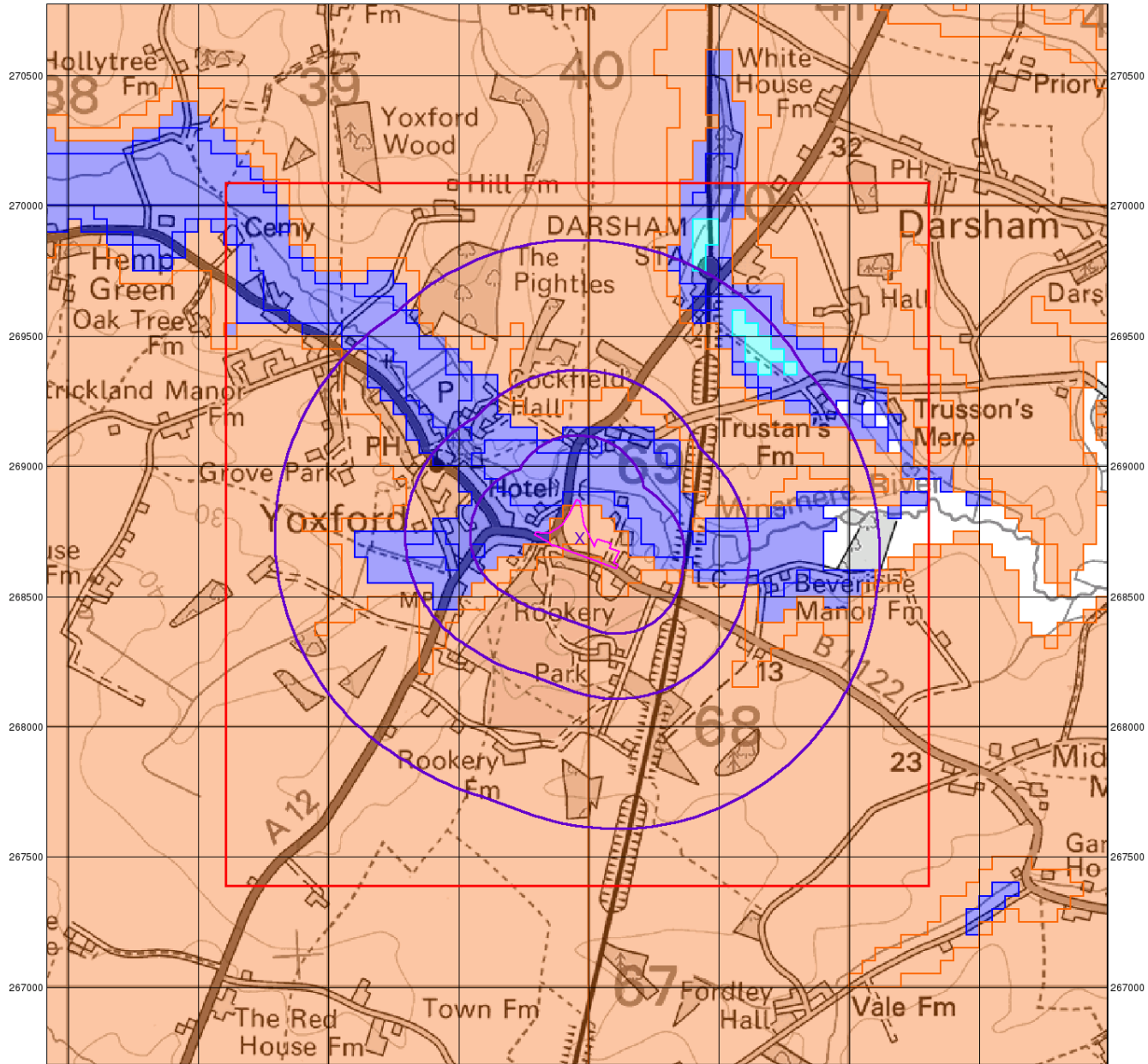
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BGS Flood GFS Data

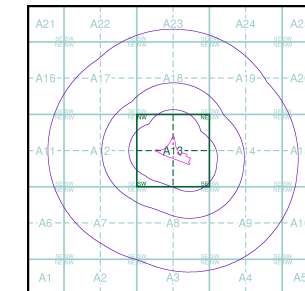
General

- 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: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk

Landmark
 INFORMATION GROUP

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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

164178873_1_1

Customer Reference:

5166065.008

National Grid Reference:

639970, 268730

Slice:

A

Site Area (Ha):

2.75

Search Buffer (m):

1000

Site Details:

Site at

Yoxford

Suffolk

Client Details:

Miss M Glover

Atkins Ltd

200 Broomielaw

Glasgow

G1 4RU

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	29
Hazardous Substances	-
Geological	30
Industrial Land Use	38
Sensitive Land Use	40
Data Currency	41
Data Suppliers	45
Useful Contacts	46

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		7		3
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		2	1	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 5	1	1		
River Quality Biology Sampling Points	pg 6		1		
River Quality Chemistry Sampling Points	pg 7		1		
Substantiated Pollution Incident Register					
Water Abstractions	pg 7		4	1	1 (*18)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 13	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 14		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 14		30	25	70

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)					
Local Authority Landfill Coverage	pg 29	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 29				2
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 30	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 30	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 34				6
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 36	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 36		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 36	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 37	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 38		1	4	2
Fuel Station Entries					
Points of Interest - Commercial Services	pg 38			1	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 38		2		1
Points of Interest - Public Infrastructure	pg 38		2		
Points of Interest - Recreational and Environmental					
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 40	1			
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 40	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	0	1	639967 268850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	0	1	640000 268726
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	0	1	639900 268800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (W)	0	1	639967 268726
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	0	1	639967 268700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	0	1	640000 268650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	31	1	639900 268850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	31	1	640050 268800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	47	1	640000 268900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	136	1	640250 268650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	181	1	639967 269050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	185	1	640000 269050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	191	1	640300 268600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	197	1	639600 268700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	237	1	639900 269100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	247	1	640350 268750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	268	1	639550 268850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	284	1	640000 269150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	286	1	640400 268726
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	291	1	640400 268600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	295	1	640400 268750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	296	1	639500 268700

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	A14NW (E)	312	1	640400 268800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	328	1	640350 268900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	335	1	639900 269200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	338	1	640250 269050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	344	1	640450 268750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	365	1	640400 268900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	396	1	640500 268550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	432	1	639550 269100
1	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 1 Effective Date: 27th June 1988 Issued Date: 27th June 1988 Revocation Date: 31st March 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (E)	151	2	640200 268800
2	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 7 Effective Date: 29th May 2012 Issued Date: 29th May 2012 Revocation Date: 31st March 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	156	2	640120 268890
2	Discharge Consents Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 5 Effective Date: 16th March 2010 Issued Date: 16th March 2010 Revocation Date: 28th May 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	156	2	640120 268890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 6 Effective Date: 1st April 2015 Issued Date: 16th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	156	2	640120 268890
2	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 4 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 15th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	156	2	640120 268890
2	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 2 Effective Date: 1st April 2004 Issued Date: 25th March 2004 Revocation Date: 31st December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	156	2	640120 268890
2	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Yoxford Stw Middleton Road, Yoxford, Saxmundham, Ip17 3lf Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Aw4nf510 Permit Version: 3 Effective Date: 1st January 2006 Issued Date: 25th March 2004 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Minsmere River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	156	2	640120 268890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Mr A M R Sylvester Property Type: Domestic Property (Single) Location: Beveriche Manor Yoxford, Saxmundham, Suffolk, Ip13 3lj Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf08789 Permit Version: 1 Effective Date: 23rd May 1994 Issued Date: 23rd May 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Minsmere River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	598	2	640710 268600
4	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: 14 Additional Houses At Yoxford, Yoxford, Saxmundham, Ip17 3hx Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw4nf72x Permit Version: 1 Effective Date: 11th May 1956 Issued Date: 11th May 1956 Revocation Date: 14th October 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Yox Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Approximate location provided by supplier</p>	A12NW (W)	837	2	639000 269000
5	<p>Discharge Consents</p> <p>Operator: Dr.N. Higton-Prod.Man.Region.Railways Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Darsham Station Darsham, Saxmundham, Suffolk, Ip17 3pl Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr4nf378jx Permit Version: 1 Effective Date: 26th July 1963 Issued Date: 26th July 1963 Revocation Date: 21st February 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	998	2	640530 269691
	<p>Nearest Surface Water Feature</p>	A13NE (NE)	11	-	639999 268761
6	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Road Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Minsmere Incident Date: 23rd February 1998 Incident Reference: 3061 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13NW (N)	141	2	639900 269000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Pollution Incidents to Controlled Waters Property Type: Road Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Yox Tributary Incident Date: 9th January 1996 Incident Reference: 2513 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	236	2	640001 269101
8	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Yox Incident Date: 17th December 1992 Incident Reference: 1563 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	417	2	639400 268600
9	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Fire water / Foam Note: Yox Incident Date: 9th March 1997 Incident Reference: 2832 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	812	2	639200 269295
9	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: YOXFORD Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Fire water / Foam Note: River Yox Incident Date: 9th March 1997 Incident Reference: 2832 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	815	2	639200 269300
	River Quality Name: Minsmere R GQA Grade: River Quality C Reach: Yoxford A12 Rd.Bridge...Minsmere R. Estimated Distance (km): 5.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NE (NE)	0	2	640027 268814
	River Quality Name: Minsmere R GQA Grade: River Quality C Reach: Sibton...Yoxford A12 Rd.Bridge Estimated Distance (km): 4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NW (NW)	96	2	639855 268888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>River Quality Biology Sampling Points</p> <p>Name: Minsmere River Reach: Yoxford A12 Road Bridge To Minsmere River Estimated Distance: 5.50 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2002 GQA Grade: River Quality Biology GQA Grade B - 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 B - 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>	A13NW (N)	61	2	639900 268900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>River Quality Chemistry Sampling Points</p> <p>Name: Minsmere River Reach: Sibton To Yoxford A12 Rd.Bridge Estimated Distance: 4.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly 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 C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly 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 C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied</p>	A13NW (N)	61	2	639900 268900
11	<p>Water Abstractions</p> <p>Operator: P M Wragg Licence Number: 7/35/03/*G/0032 Permit Version: 100 Location: Well At The Limes, Yoxford Authority: Environment Agency, Anglian 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: Crag; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	100	2	639700 268770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Water Abstractions</p> <p>Operator: R & W Thickitt Licence Number: 7/35/03/*S/0050 Permit Version: 102 Location: Minsmere R At Trustans Fm,Dars Authority: Environment Agency, Anglian 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: Trustans Farm, Darsham, Suffolk Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 8th August 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	241	2	640340 268760
12	<p>Water Abstractions</p> <p>Operator: The Trustees Of Trusson'S Mere Licence Number: 7/35/03/*S/0050 Permit Version: 101 Location: Minsmere R At Trustans Fm,Dars Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 5th March 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	241	2	640340 268760
12	<p>Water Abstractions</p> <p>Operator: D J Prutton Licence Number: 7/35/03/*S/0050 Permit Version: 100 Location: Minsmere R At Trustans Fm,Dars Authority: Environment Agency, Anglian 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: Status: Perpetuity Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st April 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	241	2	640340 268760
13	<p>Water Abstractions</p> <p>Operator: Hambling & Son Licence Number: 7/35/03/*G/0035 Permit Version: 100 Location: Well At Rookery Park,Yoxford Authority: Environment Agency, Anglian 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: Crag; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	298	2	640100 268310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Water Abstractions</p> <p>Operator: Adnams & Co Ltd Licence Number: 7/35/03/*g/041 Permit Version: Not Supplied Location: Well At Stradbroke Arms, DARSHAM Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 5000 Details: Glacial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	846	2	640390 269600
	<p>Water Abstractions</p> <p>Operator: Yoxford & Darsham Farmers Licence Number: 7/35/03/*g/042 Permit Version: Not Supplied Location: Well Near Darsham Rail Station, DARSHAM Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 2000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SW (NE)	1089	2	640590 269760
	<p>Water Abstractions</p> <p>Operator: D J Prutton Licence Number: 7/35/03/*s/050 Permit Version: Not Supplied Location: Minsmere R , Trustans Farm, DARS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 6 Yearly Rate (m3): 182000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1172	2	641280 268805
	<p>Water Abstractions</p> <p>Operator: R & W Thickitt Licence Number: 7/35/03/*S/0062 Permit Version: 102 Location: Minsmere R At Darsham Authority: Environment Agency, Anglian 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: Darsham, Suffolk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th August 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1173	2	641280 268810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: The Trustees Of Trusson'S Mere Licence Number: 7/35/03/*S/0062 Permit Version: 101 Location: Minsmere R At Darsham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 5th March 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1173	2	641280 268810
	<p>Water Abstractions</p> <p>Operator: D J Prutton Licence Number: 7/35/03/*S/0062 Permit Version: 100 Location: Minsmere R At Darsham Authority: Environment Agency, Anglian 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: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1173	2	641280 268810
	<p>Water Abstractions</p> <p>Operator: The Trustees Of Trusson'S Mere Licence Number: 7/35/03/*G/0076 Permit Version: 101 Location: Well At Darsham Authority: Environment Agency, Anglian 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th March 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A20SW (NE)	1254	2	641200 269300
	<p>Water Abstractions</p> <p>Operator: D J Prutton Licence Number: 7/35/03/*G/0076 Permit Version: 100 Location: Well At Darsham Authority: Environment Agency, Anglian 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: Crag; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1254	2	641200 269300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr A W Hadingham Licence Number: 7/35/03/*g/013 Permit Version: Not Supplied Location: Well At Hall Farm, DARSHAM Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 9100 Details: Crag; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20NW (NE)	1337	2	641050 269650
	<p>Water Abstractions</p> <p>Operator: H Butler & Son Ltd Licence Number: 7/35/03/*g/027 Permit Version: Not Supplied Location: Bore At Oak Tree Farm, YOXFORD Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 8000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16NW (NW)	1526	2	638500 269550
	<p>Water Abstractions</p> <p>Operator: C J + J D Pomp Licence Number: 7/35/03/*g/023 Permit Version: Not Supplied Location: Bore At Wolsey House Farm, YOXFORD Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 4390 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1669	2	638135 268550
	<p>Water Abstractions</p> <p>Operator: C & J Pomp Licence Number: 7/35/03/*G/0023 Permit Version: 100 Location: Bore At Wolsey House Fm, Yoxf'D Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1670	2	638135 268545

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Wolsey House Farm (Properties) Ltd Licence Number: 7/35/03/*G/0023 Permit Version: 101 Location: Bore At Wolsey House Fm,Yoxf'D Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1674	2	638130 268550
	<p>Water Abstractions</p> <p>Operator: C J + J D Pomp Licence Number: 7/35/03/*g/023 Permit Version: Not Supplied Location: Bore , Wolsey House Farm, YOXF'D Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 5000 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1674	2	638130 268550
	<p>Water Abstractions</p> <p>Operator: C J + J D Pomp Licence Number: 7/35/03/*g/023 Permit Version: Not Supplied Location: Bore , Wolsey House Farm, YOXF'D Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1050 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1675	2	638130 268545
	<p>Water Abstractions</p> <p>Operator: W G Jolly Licence Number: 7/35/03/*G/0015 Permit Version: 100 Location: Well At Vale Fm,Middleton Authority: Environment Agency, Anglian 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: Glacial Sand and Gravel; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(SE)	1826	2	640870 266950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D J Prutton Licence Number: 7/35/03/*s/062 Permit Version: Not Supplied Location: DARSHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 6 Yearly Rate (m3): 182000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1840	2	641950 268530
	Water Abstractions Operator: L J Whiting Licence Number: 7/35/03/*g/016 Permit Version: Not Supplied Location: Well At Martins Farm, YOXFORD Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1300 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1944	2	639730 270800
	Water Abstractions Operator: Mrs J Etheridge Licence Number: 7/35/03/*G/0012 Permit Version: 100 Location: Well At Watermill Fm, Middleton Authority: Environment Agency, Anglian 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: Glacial Sand and Gravel; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1981	2	642090 268510
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 33 East Suffolk Scale: 1:100,000	A13SE (W)	0	2	639967 268726
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 33 East Suffolk Scale: 1:100,000	A13NE (N)	0	2	639968 268753
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (W)	0	1	639967 268726
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (E)	0	1	640000 268726
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (N)	0	1	639945 268785
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NE)	0	1	640000 268790

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 Models Boundary Accuracy: As Supplied	A13NW (NW)	17	2	639882 268842
	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 (N)	45	2	639974 268913
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (SE)	38	3	640137 268589
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (SE)	38	3	640150 268607
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (N)	50	3	639914 268911
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NE (N)	50	3	639974 268917
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 256.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 2	A13NW (N)	50	3	639951 268919
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A13NE (N)	51	3	640003 268912
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	65	3	639767 268811

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (E)	91	3	640205 268692
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (SE)	114	3	640072 268499
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	120	3	639768 268878
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (W)	123	3	639697 268817
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	135	3	639797 268883
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	139	3	639770 268882
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 2	A13NE (NE)	140	3	640113 268891
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 261.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A13NE (NE)	149	3	640113 268891
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	152	3	639699 268862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 99.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (S)	162	3	640031 268463
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 471.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 2	A13NE (N)	165	3	640040 269015
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	189	3	639749 268935
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	191	3	639603 268727
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (S)	192	3	640027 268432
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13SE (S)	192	3	640023 268434
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	196	3	639749 268935
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	209	3	639668 268914
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	217	3	639578 268719

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	220	3	640312 268769
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	237	3	640330 268771
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	238	3	640331 268771
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 400.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	242	3	640345 268746
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	242	3	640345 268747
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	251	3	639702 268977
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	255	3	639707 268984
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: Suffolk Coastal Primacy: 1	A14NW (E)	284	3	640369 268800
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	285	3	640370 268799

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	303	3	639494 268697
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	306	3	639632 269010
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	312	3	639636 269012
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A13NW (NW)	312	3	639636 269012
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	313	3	639483 268695
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	323	3	639480 268649
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NW (E)	334	3	640438 268760
56	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: Suffolk Coastal Primacy: 1	A12SE (W)	346	3	639482 268586
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	347	3	639480 268586

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 251.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SE (W)	347	3	639480 268586
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	378	3	640493 268694
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	394	3	640505 268734
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	438	3	640547 268595
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	472	3	640584 268726
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	472	3	640584 268726
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 483.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	475	3	640587 268734
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	480	3	639503 269125
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	480	3	639503 269125

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	481	3	639506 269128
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	485	3	640599 268631
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14SW (E)	488	3	640602 268626
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	515	3	640631 268647
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	515	3	640631 268647
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	530	3	640646 268677
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	532	3	640646 268629
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	533	3	639579 269250
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	540	3	640653 268614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	540	3	640654 268620
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	541	3	640657 268672
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	543	3	640659 268670
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A7NE (SW)	546	3	639416 268341
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A7NE (SW)	547	3	639416 268341
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	566	3	640678 268607
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	567	3	639615 269325
83	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: Suffolk Coastal Primacy: 1	A17SE (NW)	567	3	639615 269325
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 825.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A18SW (NW)	568	3	639624 269332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	582	3	639424 269192
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	596	3	640711 268686
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	596	3	640711 268686
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	596	3	640712 268684
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	596	3	640712 268667
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 930.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	596	3	640695 268506
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	599	3	639416 269207
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	599	3	639416 269207
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 921.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SW (W)	600	3	639195 268691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 962.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A12SW (W)	600	3	639195 268691
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	600	3	639413 269207
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	604	3	639565 269333
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	607	3	640713 268779
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	616	3	640728 268734
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	616	3	640728 268734
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	625	3	640740 268707
101	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	631	3	640746 268634
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	649	3	640760 268750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A7NE (SW)	687	3	639347 268214
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 2	A17SE (NW)	690	3	639485 269377
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A8SE (S)	697	3	640270 267931
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	712	3	640824 268756
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	714	3	640824 268759
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	714	3	640824 268759
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 556.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A8SE (S)	716	3	640224 267902
110	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 19.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	737	3	640843 268790
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	745	3	640854 268773

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	747	3	640857 268762
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 2	A17SE (NW)	747	3	639436 269413
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 576.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Yox Catchment Name: Suffolk Coastal Primacy: 1	A17SE (NW)	754	3	639327 269335
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	775	3	640890 268651
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	801	3	640897 268848
117	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: Suffolk Coastal Primacy: 1	A14NE (E)	812	3	640922 268764
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	813	3	640923 268763
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SE (E)	813	3	640927 268626
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	829	3	640939 268765

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14NE (E)	862	3	640961 268848
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	865	3	640973 268789
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	869	3	640976 268795
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 440.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A19NW (NE)	869	3	640622 269451
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	871	3	640978 268792
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 335.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A19NW (NE)	874	3	640435 269605
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A19NW (NE)	878	3	640470 269587
128	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: Suffolk Coastal Primacy: 1	A19NW (NE)	878	3	640470 269587
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	892	3	640999 268800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	893	3	640999 268800
131	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: Suffolk Coastal Primacy: 1	A15NW (E)	899	3	641010 268767
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	908	3	641018 268772
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 261.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A15SW (E)	924	3	641035 268582
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	960	3	641071 268762
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	965	3	641075 268775
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 454.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A19SE (NE)	965	3	640842 269305
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A7SW (SW)	966	3	639212 267965
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A7SW (SW)	966	3	639212 267965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Minsmere River Catchment Name: Suffolk Coastal Primacy: 1	A15NW (E)	976	3	641084 268796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Suffolk County Council - Has supplied landfill data		0	4	639967 268726
	Local Authority Landfill Coverage Name: Suffolk Coastal District Council - Had landfill data but passed it to the relevant environment agency		0	5	639967 268726
140	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A18SW (NW)	532	-	639704 269340
141	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12SW (W)	767	-	639050 268546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Neogene To Quaternary Rocks (Undifferentiated)	A13SE (W)	0	1	639967 268726
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NW (N)	0	1	639945 268785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SE (W)	0	1	639967 268726
	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	A13NW (NW)	35	1	639857 268862
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SE (SE)	70	1	640179 268611
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (S)	118	1	639899 268559
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	173	1	640117 268427

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 20 - 40 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel <15 mg/kg</p> <p>Concentration:</p>	A13NW (N)	181	1	639908 269045
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 40 - 60 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel <15 mg/kg</p> <p>Concentration:</p>	A13NW (NW)	263	1	639742 269027
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 40 - 60 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel <15 mg/kg</p> <p>Concentration:</p>	A14NW (E)	278	1	640352 268839
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 20 - 40 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel <15 mg/kg</p> <p>Concentration:</p>	A14NW (E)	312	1	640413 268766
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 20 - 40 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel <15 mg/kg</p> <p>Concentration:</p>	A12NE (NW)	393	1	639467 268959
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 20 - 40 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel <15 mg/kg</p> <p>Concentration:</p>	A12SE (W)	416	1	639430 268531

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 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	468	1	639905 269335
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	562	1	639295 268477
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A17SE (NW)	620	1	639579 269364
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14NE (E)	635	1	640712 268895
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12SW (W)	671	1	639129 268643
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	674	1	639133 268869

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 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SE (E)	700	1	640815 268646
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14NE (E)	734	1	640797 268944
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	757	1	639043 268638
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A19SW (NE)	825	1	640591 269406
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	850	1	639004 268422
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A19NW (NE)	863	1	640468 269570

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 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium <20 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A15NW (E)	903	1	641000 268854
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	922	1	639529 269688
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A15NW (E)	928	1	640997 268960
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium <20 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A15NW (E)	935	1	641000 268975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A19NE (NE)	936	1	640698 269452
142	BGS Recorded Mineral Sites Site Name: Cockfield Hall Sand Pit Location: Yoxford, Saxmundham, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211516 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	526	1	639705 269333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Trustan'S Farm Pit Location: Yoxford, Saxmundham, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211522 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	633	1	640563 269119
144	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Trustan'S Farm Pit Location: Yoxford, Saxmundham, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211524 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	655	1	640526 269208
145	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Grove Farm Sand Pit Location: Yoxford, Saxmundham, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211944 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Crag Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A12SW (W)	768	1	639051 268542
146	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Grove Park Pit Location: Yoxford, Saxmundham, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211523 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Crag Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A16SE (W)	960	1	638929 269156
147	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Trustan'S Farm Pit Location: Yoxford, Saxmundham, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211526 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Neogene Geology: Crag Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	983	1	641025 269044
	<p>BGS Measured Urban Soil Chemistry</p> <p>No data available</p>				
	<p>BGS Urban Soil Chemistry Averages</p> <p>No data available</p>				
	<p>Coal Mining Affected Areas</p> <p>In an area that might not be affected by coal mining</p>				
	<p>Non Coal Mining Areas of Great Britain</p> <p>No Hazard</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640000 268726
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	35	1	639857 268862
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	57	1	640000 268913
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	181	1	639908 269045
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	202	1	640000 269066
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640000 268726
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	35	1	639857 268862
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	57	1	640000 268913
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	181	1	639908 269045
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	202	1	640000 269066
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640000 268726
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640000 268726
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	236	1	640352 268652
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	639945 268785
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	640000 268790
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640000 268726
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	35	1	639857 268862
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	57	1	640000 268913
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640000 268726
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	639945 268785
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	640000 268790
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	57	1	640156 268581
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	118	1	639899 268559
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	173	1	640117 268427
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	181	1	639908 269045
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	199	1	640000 268435
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	202	1	640000 269066
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	245	1	640000 268386
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640002 268726
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (W)	0	1	639967 268726
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	640002 268726

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	<p>Contemporary Trade Directory Entries</p> <p>Name: Shield Marine Europe Location: 1 Woodland Cottages, Yoxford, Saxmundham, IP17 3EX Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NW (W)	54	-	639750 268772
149	<p>Contemporary Trade Directory Entries</p> <p>Name: The Macalister Consultancy Location: Clockhouse ,Rookery Pk, Yoxford, Saxmundham, Suffolk, IP17 3HQ Classification: Stationery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A8NE (S)	292	-	640071 268318
150	<p>Contemporary Trade Directory Entries</p> <p>Name: Arthur J Davey Location: Coal Yard, Thurtells Corner, Yoxford, Saxmundham, Suffolk, IP17 3LB Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	320	-	640106 269155
151	<p>Contemporary Trade Directory Entries</p> <p>Name: D J Parsons Location: Old High Rd, Yoxford, Saxmundham, Suffolk, IP17 3HW Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A12NE (W)	362	-	639436 268790
152	<p>Contemporary Trade Directory Entries</p> <p>Name: The Yoxford Garage Ltd Location: The Garage, Old High Road, Yoxford, Saxmundham, Suffolk, IP17 3HW Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A12NE (NW)	482	-	639382 268991
153	<p>Contemporary Trade Directory Entries</p> <p>Name: T M Morphey Location: Coalyard, High Street, Yoxford, Saxmundham, Suffolk, IP17 3HP Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	843	-	639221 269361
154	<p>Contemporary Trade Directory Entries</p> <p>Name: Smoke & Fire Handmade Tiles Location: The Granary, Main Road, Darsham, Saxmundham, Suffolk, IP17 3PL Classification: Tile Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	914	-	640453 269641
155	<p>Points of Interest - Commercial Services</p> <p>Name: The Yoxford Garage Ltd Location: The Garage, Old High Road, Yoxford, Saxmundham, IP17 3HW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A12NE (NW)	482	6	639382 268991
156	<p>Points of Interest - Manufacturing and Production</p> <p>Name: The Piggeries Location: IP17 Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location</p>	A13SE (E)	69	6	640161 268722
157	<p>Points of Interest - Manufacturing and Production</p> <p>Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location</p>	A13NW (W)	106	6	639688 268742
158	<p>Points of Interest - Manufacturing and Production</p> <p>Name: Works Location: IP17 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location</p>	A19NW (NE)	952	6	640389 269720
159	<p>Points of Interest - Public Infrastructure</p> <p>Name: Weir Location: IP17 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location</p>	A13NW (NW)	155	6	639754 268894

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	<p>Points of Interest - Public Infrastructure</p> <p>Name: Sewage Works Location: IP17 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location</p>	A13NE (NE)	156	6	640133 268851

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	Environmentally Sensitive Areas Name: Suffolk River Valleys (decommissioned) Multiple Areas: Y Total Area (m2): 18431673.02 Source: Natural England	A13SE (W)	0	7	639967 268726
162	Nitrate Vulnerable Zones Name: Yoxford Description: Groundwater Source: Environment Agency, Head Office	A13SE (W)	0	8	639967 268726
163	Nitrate Vulnerable Zones Name: Leiston Beck And Minsmere Old River Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (W)	0	8	639967 268726

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Suffolk Coastal District Council - Environmental Health Department	March 2015	Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	January 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	January 2018	Quarterly
Local Authority Integrated Pollution Prevention And Control Suffolk Coastal District Council - Environmental Health Department	April 2014	Variable
Local Authority Pollution Prevention and Controls Suffolk Coastal District Council - Environmental Health Department	April 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Suffolk Coastal District Council - Environmental Health Department	April 2014	Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - Anglian Region	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 - Eastern Area	January 2018	Quarterly
Water Abstractions Environment Agency - Anglian Region	January 2018	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	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	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2018	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2018	Quarterly
Flood Defences Environment Agency - Head Office	February 2018	Quarterly
OS Water Network Lines Ordnance Survey	January 2018	Quarterly
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	As notified
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	April 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	April 2018	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	January 2018	Quarterly
Local Authority Landfill Coverage Suffolk Coastal District Council - Environmental Health Department Suffolk County Council	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Suffolk Coastal District Council - Environmental Health Department Suffolk County Council	May 2000 May 2000	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 - Eastern Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Suffolk County Council - Environment and Transport Suffolk Coastal District Council	February 2006 February 2016	Annual Rolling Update Variable
Planning Hazardous Substance Consents Suffolk County Council - Environment and Transport Suffolk Coastal District Council	February 2006 February 2016	Annual Rolling Update Variable
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	November 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	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
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	February 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2018	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	March 2018	Quarterly
Points of Interest - Education and Health PointX	March 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2018	Quarterly
Points of Interest - Public Infrastructure PointX	March 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2017	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	February 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	February 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2018	Bi-Annually
Special Areas of Conservation Natural England	January 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report

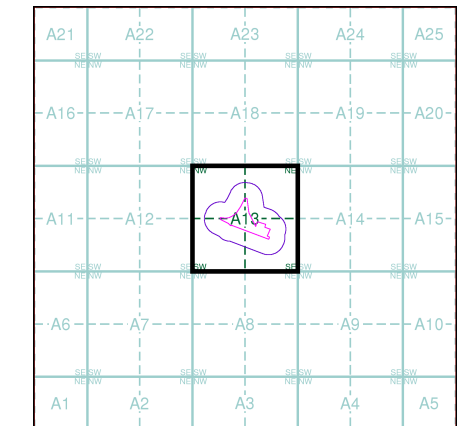
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
4	Suffolk County Council St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
5	Suffolk Coastal District Council - Environmental Health Department Council Offices, Melton Hill, Woodbridge, Suffolk, IP12 1AU	Telephone: 01394 383789 extn 2238 Fax: 01394 385100 Website: www.suffolkcoastal.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	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.

- 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
 - 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

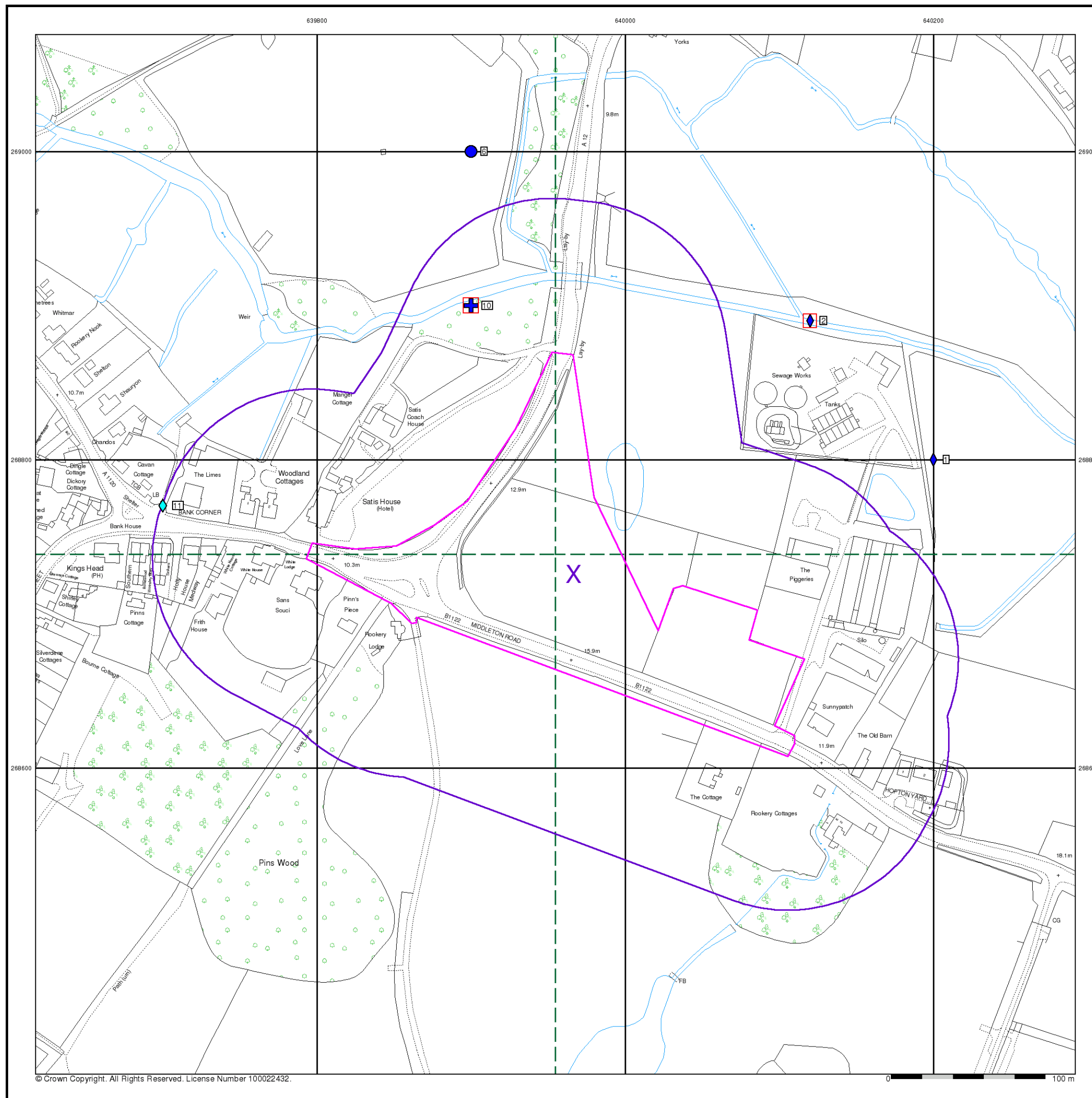


Order Details

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 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Plot Buffer (m): 100

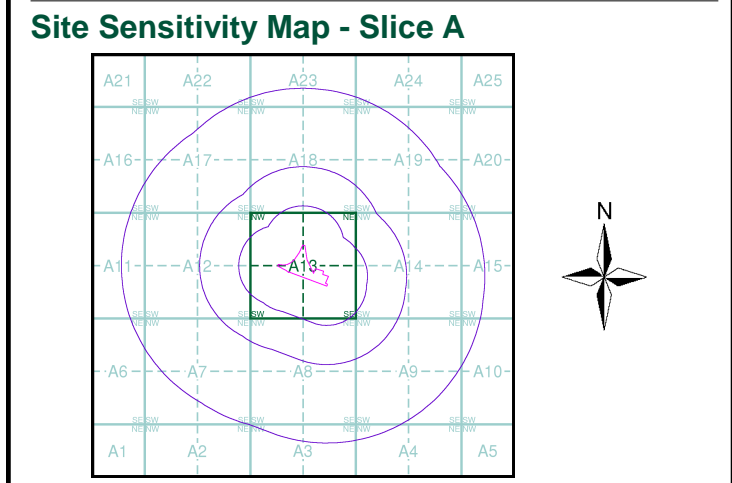
Site Details

Site at, Yoxford, Suffolk





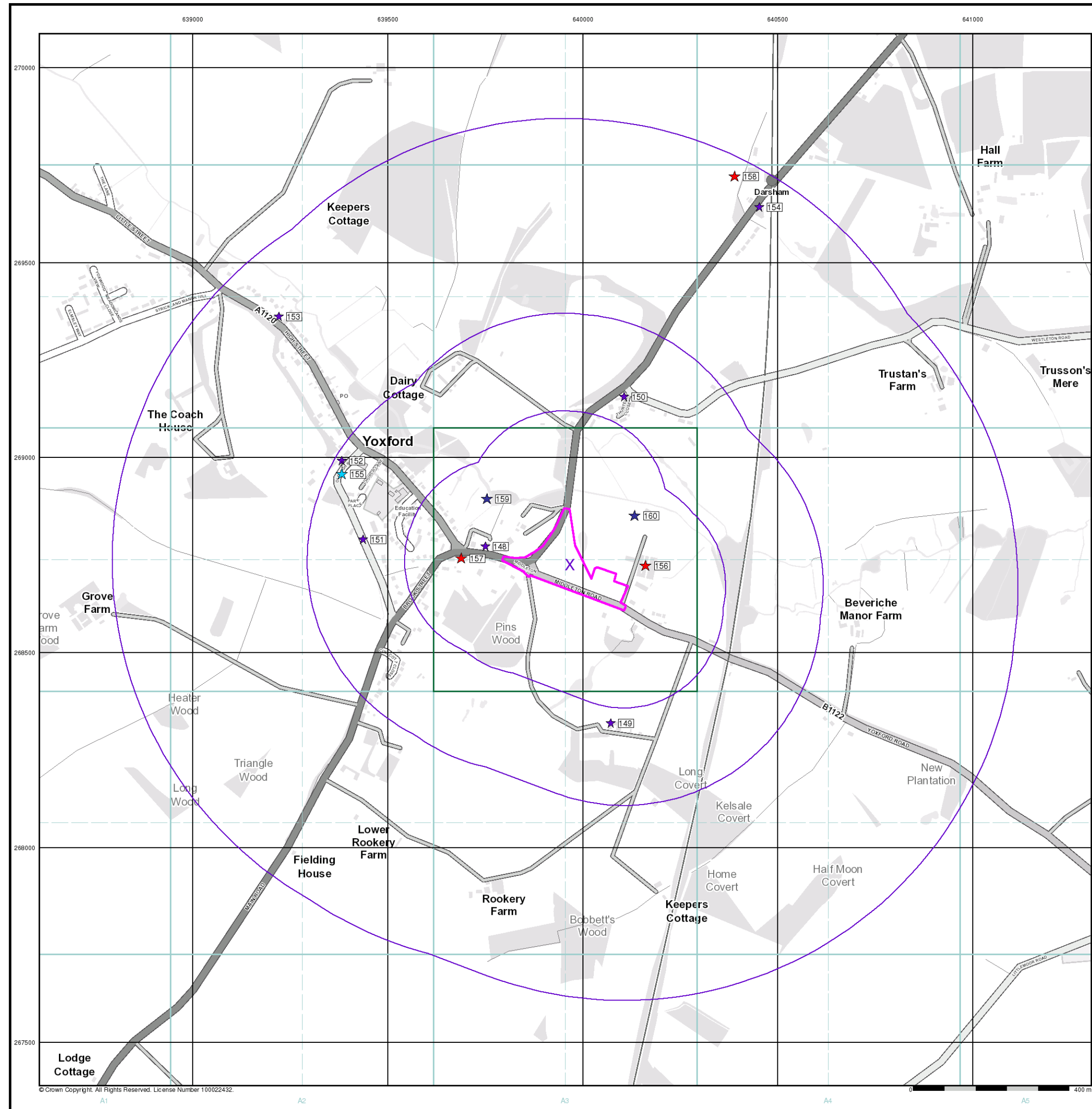
- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
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 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
- BGS Recorded Mineral Site



Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details
 Site at, Yoxford, Suffolk

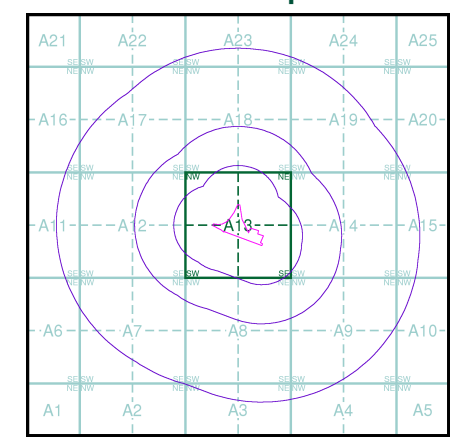


Industrial Land Use Map

- 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: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000






Site Details

Site at, Yoxford, Suffolk

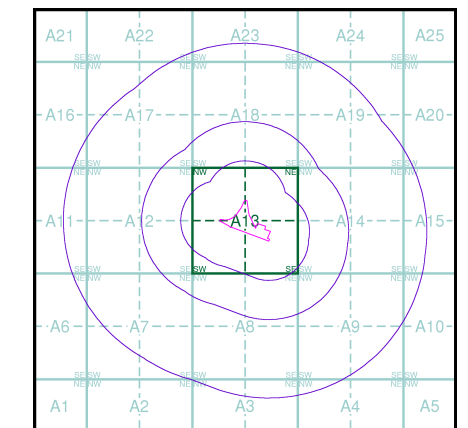
General

-  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: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk





General

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

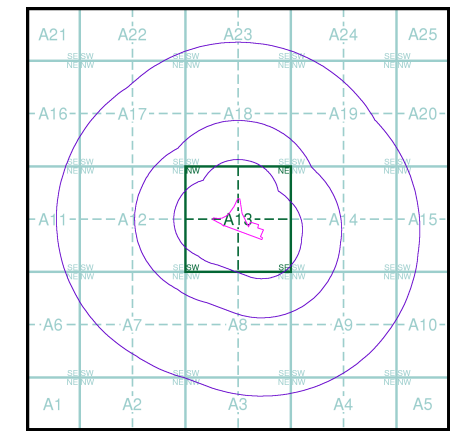
Agency and Hydrological (Boreholes)

- 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: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk

General

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

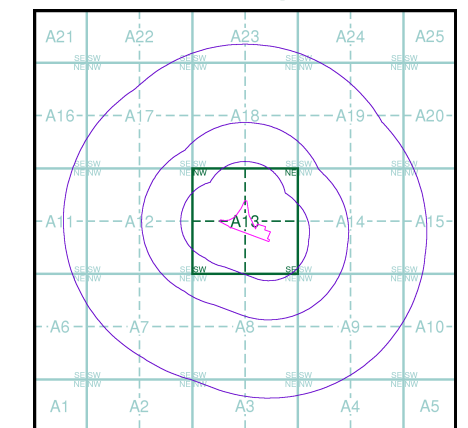
OS Water Network Data

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

Contours (height in meters)

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

OS Water Network Map - Slice A

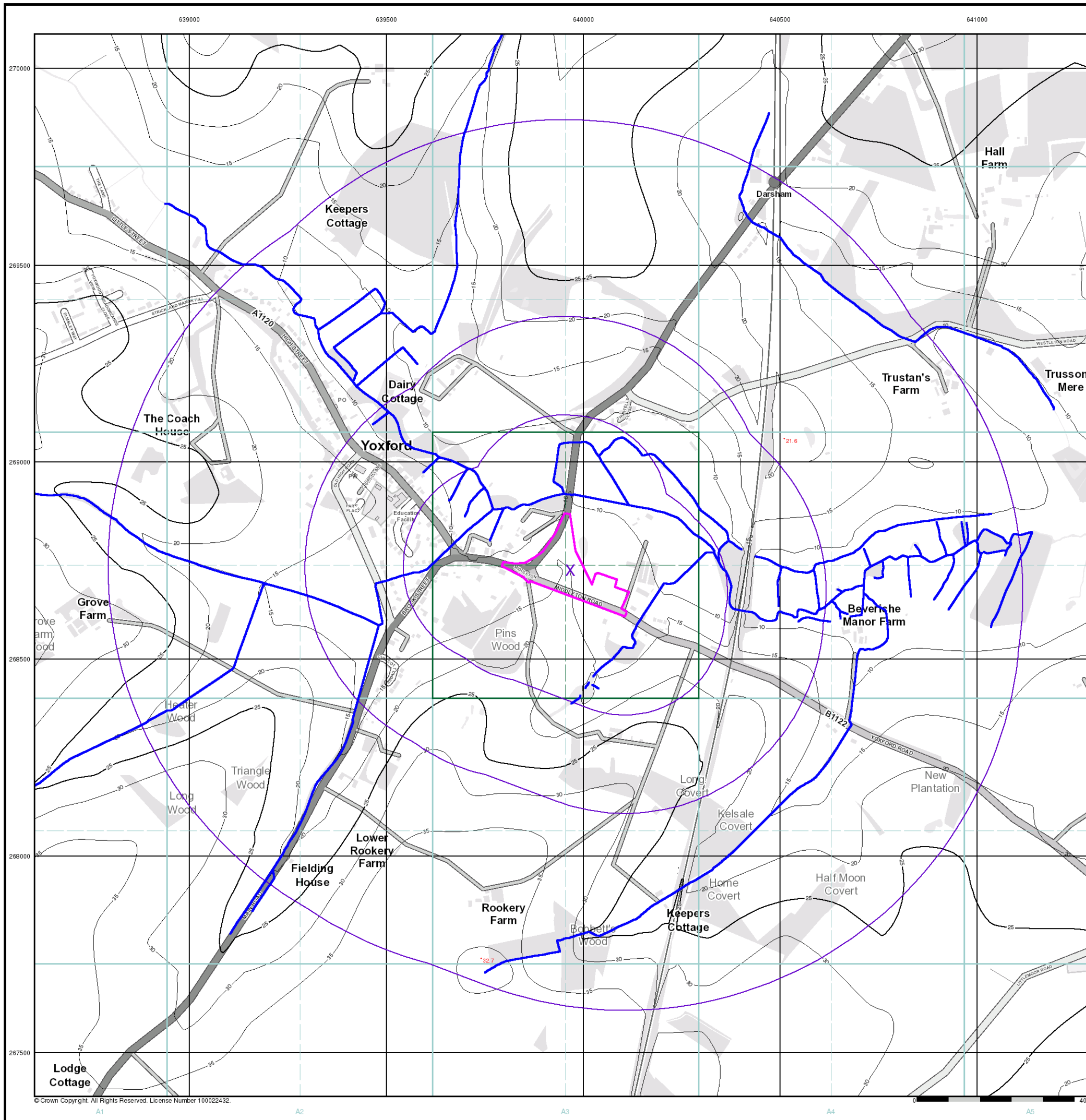


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Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000




Site Details

Site at, Yoxford, Suffolk



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General

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

Risk of Flooding from Surface Water

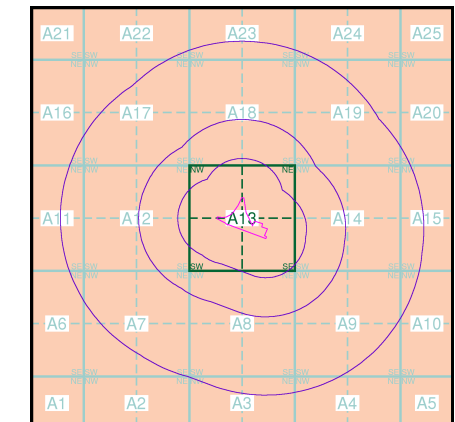
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

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

EANRW Suitability Map - Slice A

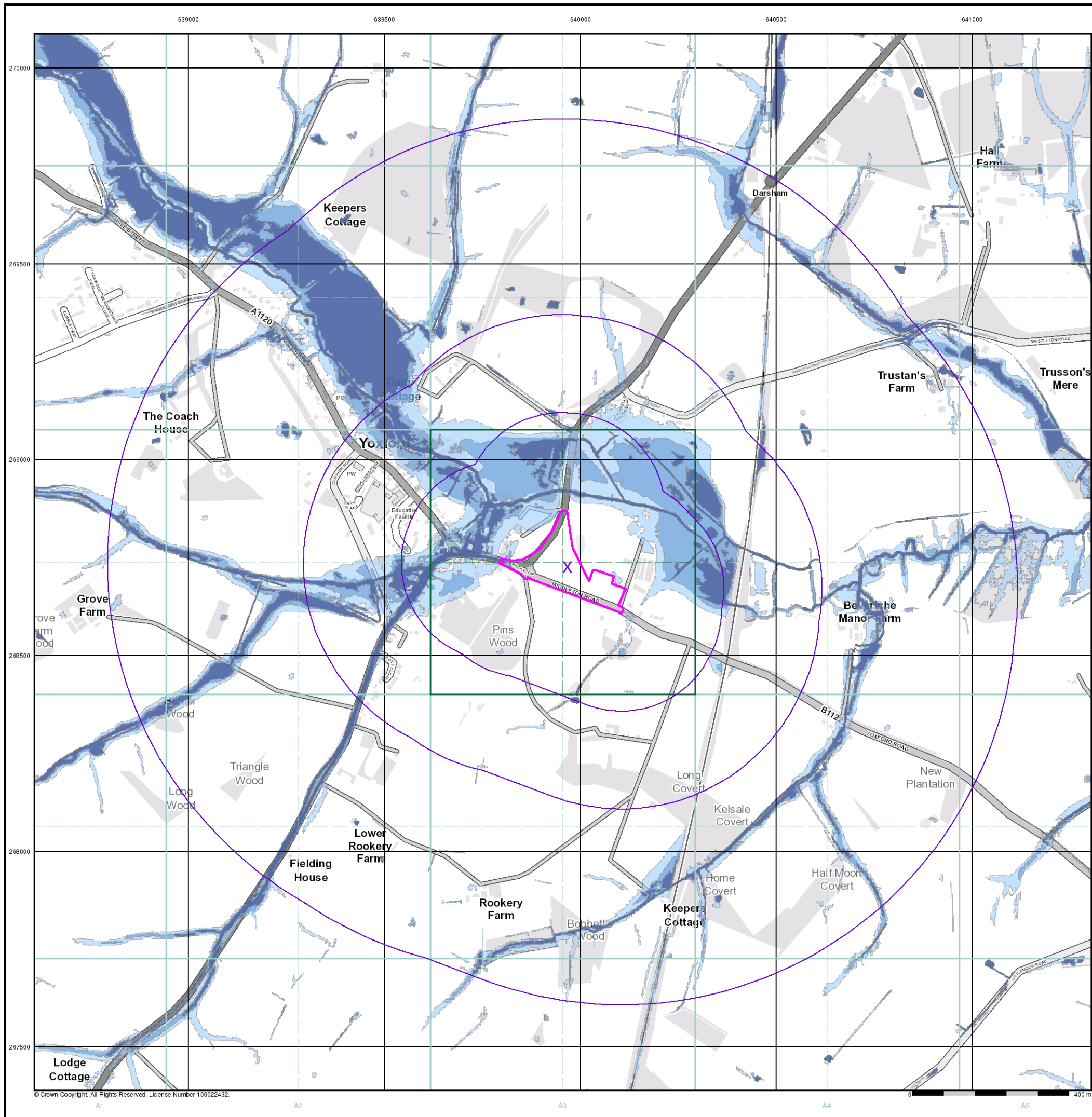


Order Details

Order Number: 164178873_1_1
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 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk



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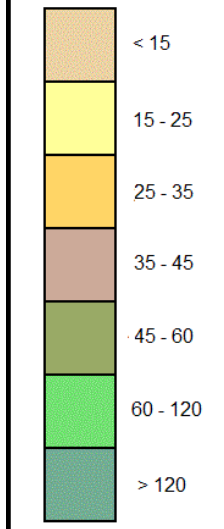


General

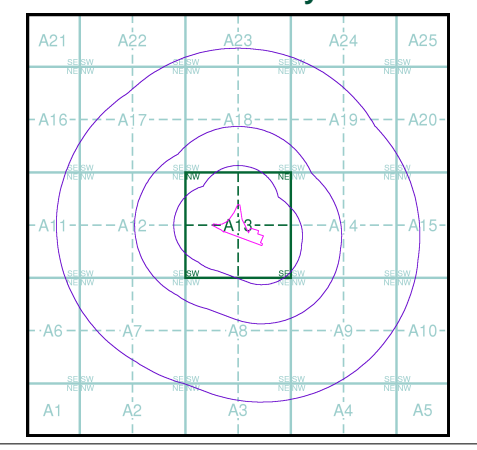
- X Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

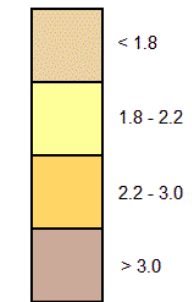
Site at, Yoxford, Suffolk

General

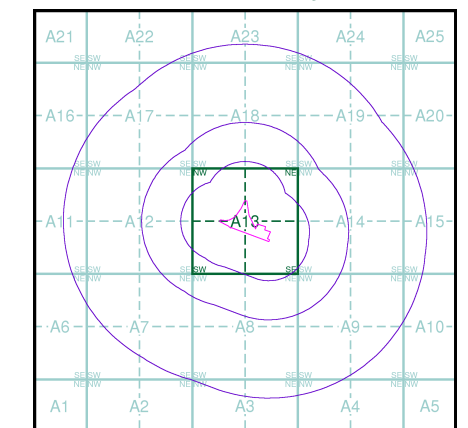
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk



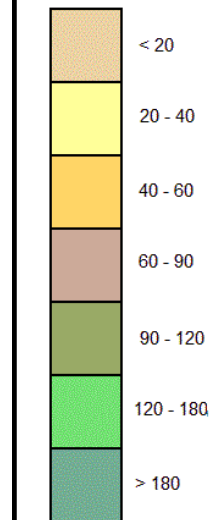
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General

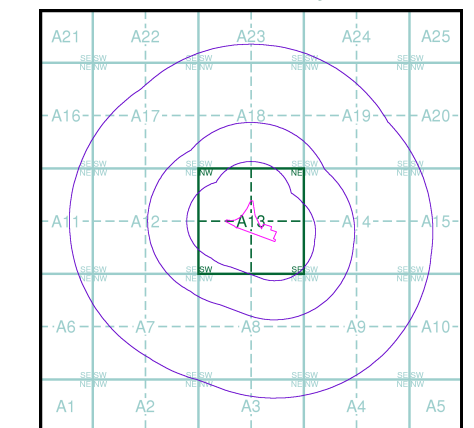
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Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

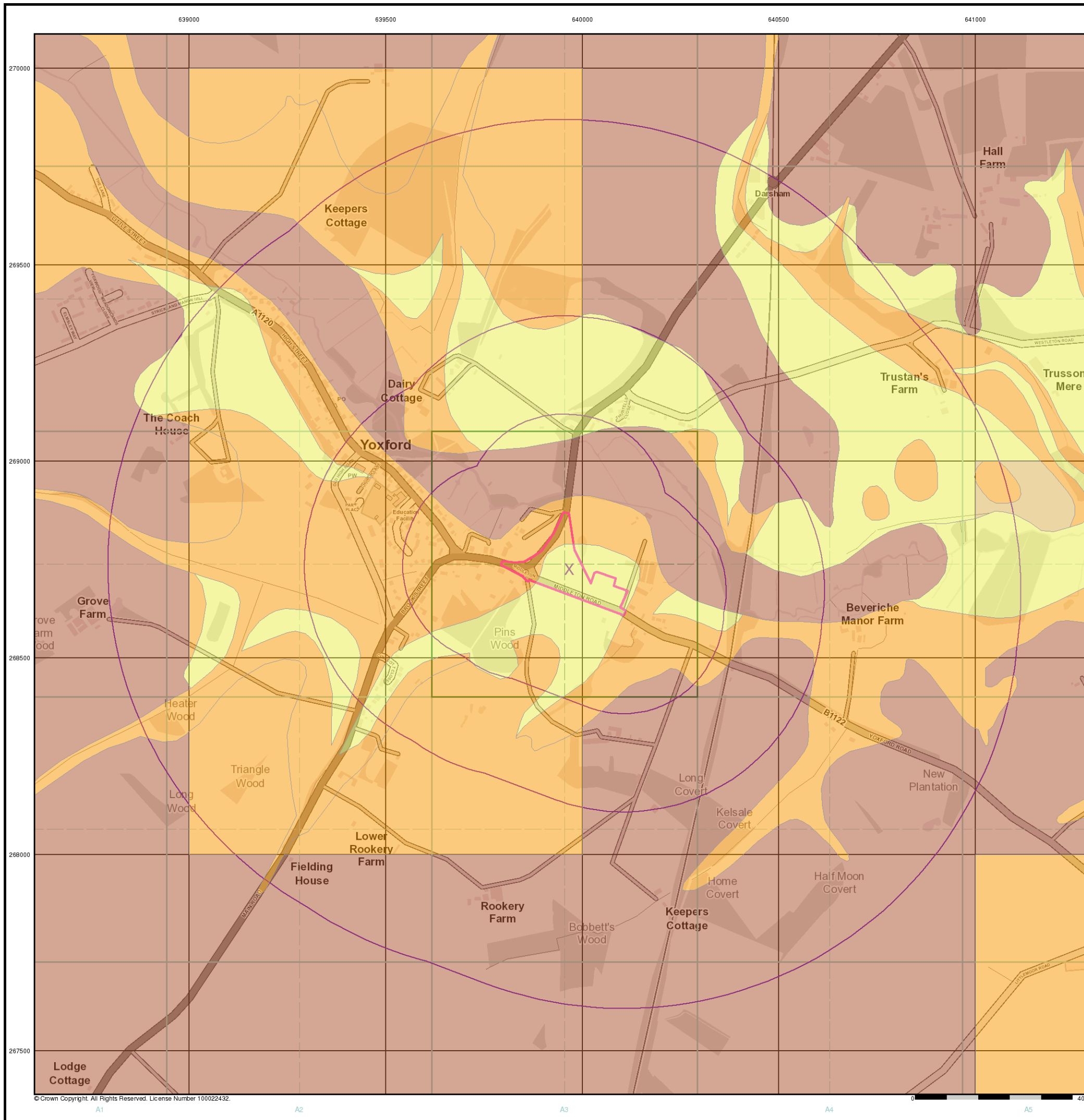


Order Details

Order Details: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk

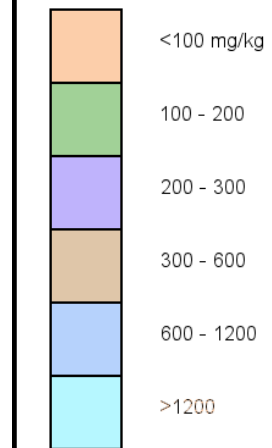


General

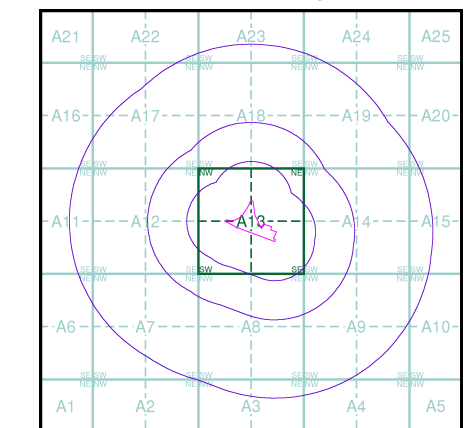
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk



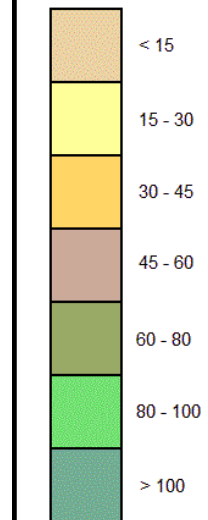
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General

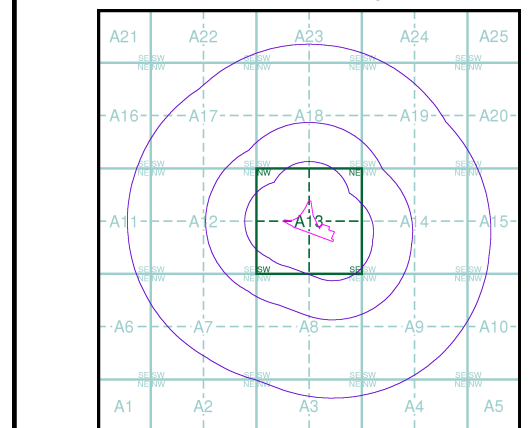
✱ Specified Site
 ○ Specified Buffer(s)
 ✕ Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

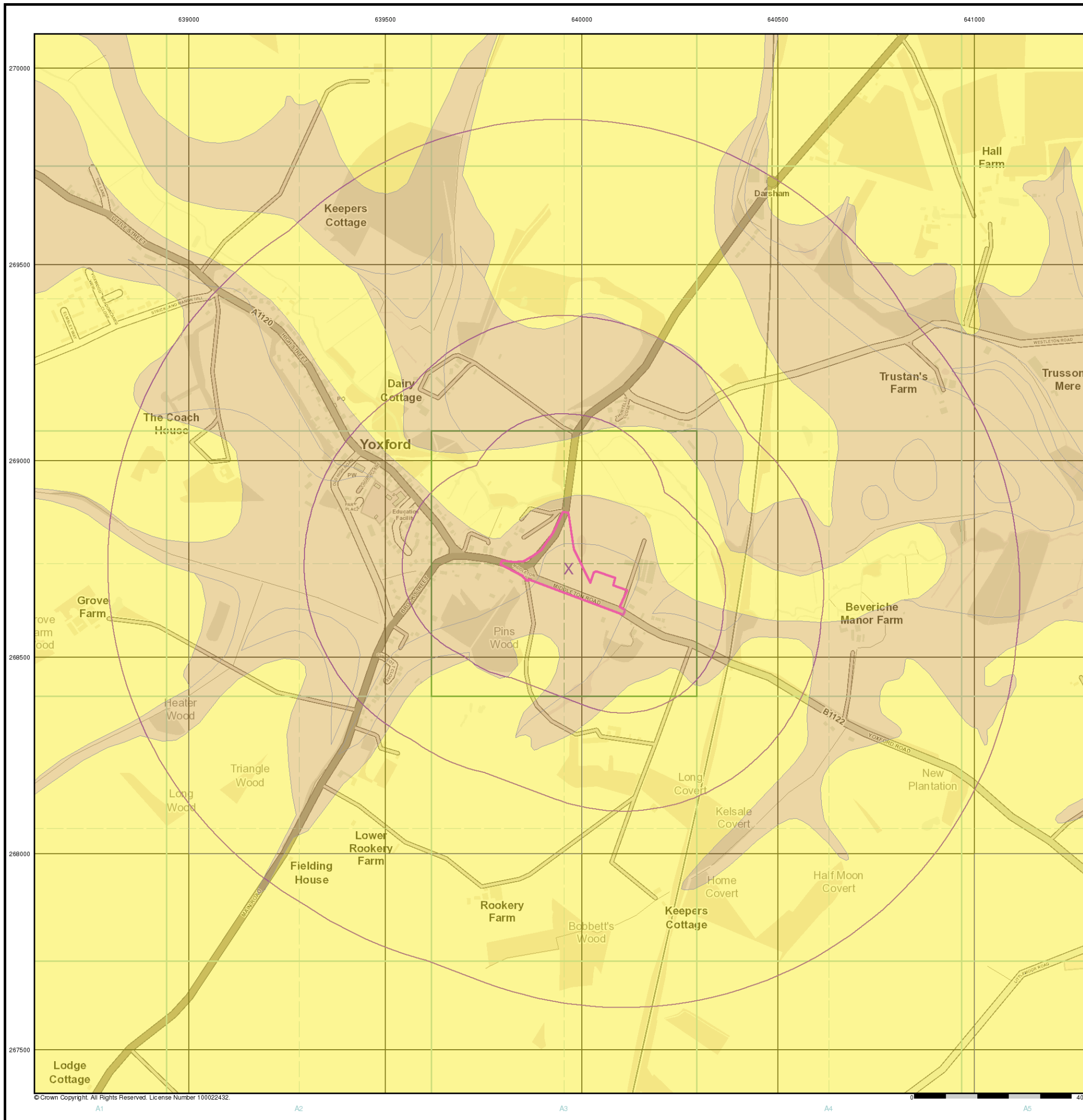


Order Details

Order Details: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk



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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

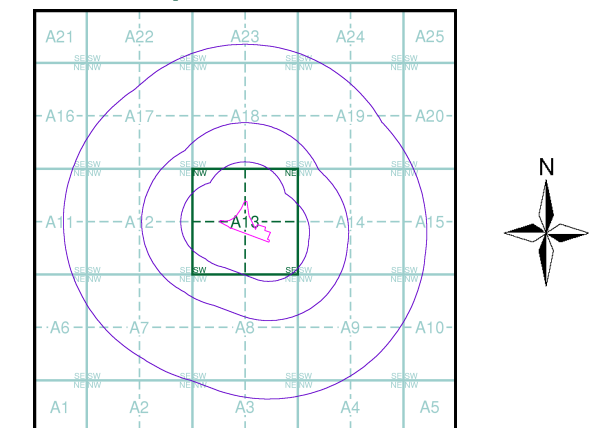
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1884 - 1885	2
Suffolk	1:10,560	1905	3
Suffolk	1:10,560	1928	4
Suffolk	1:10,560	1950 - 1951	5
Ordnance Survey Plan	1:10,000	1957 - 1958	6
Ordnance Survey Plan	1:10,000	1957	7
Ordnance Survey Plan	1:10,000	1979	8
Ordnance Survey Plan	1:10,000	1982 - 1984	9
Ordnance Survey Plan	1:10,000	1991	10
10K Raster Mapping	1:10,000	2000	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2018	13

Historical Map - Slice A



Order Details

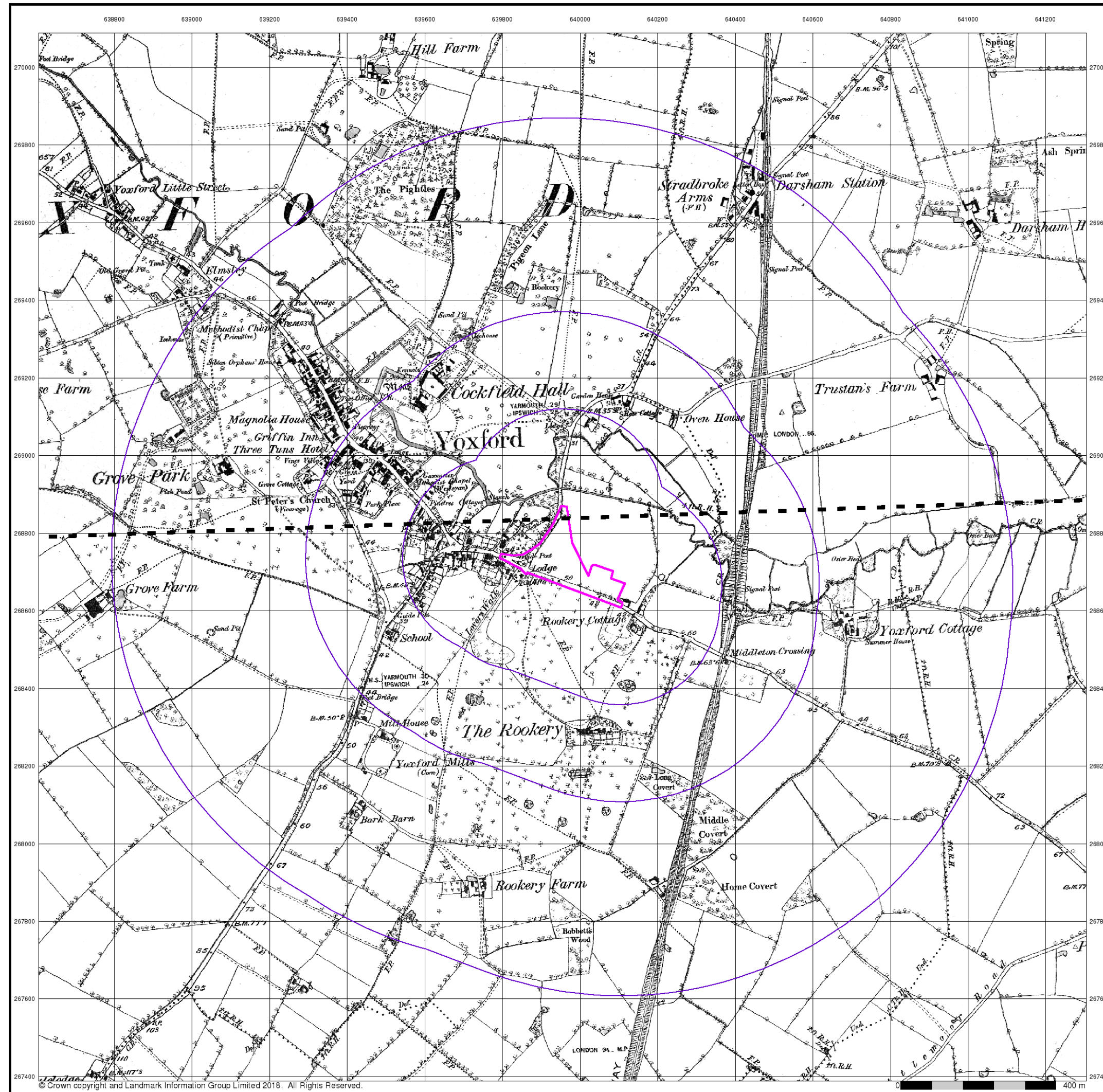
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 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk

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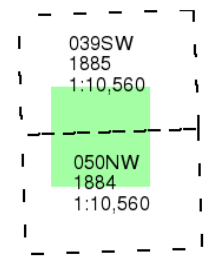
Suffolk

Published 1884 - 1885

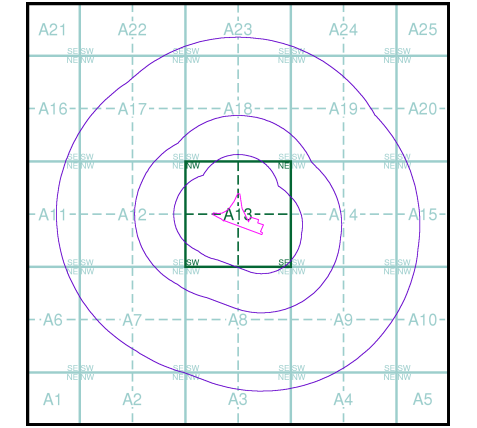
Source map scale - 1:10,560

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

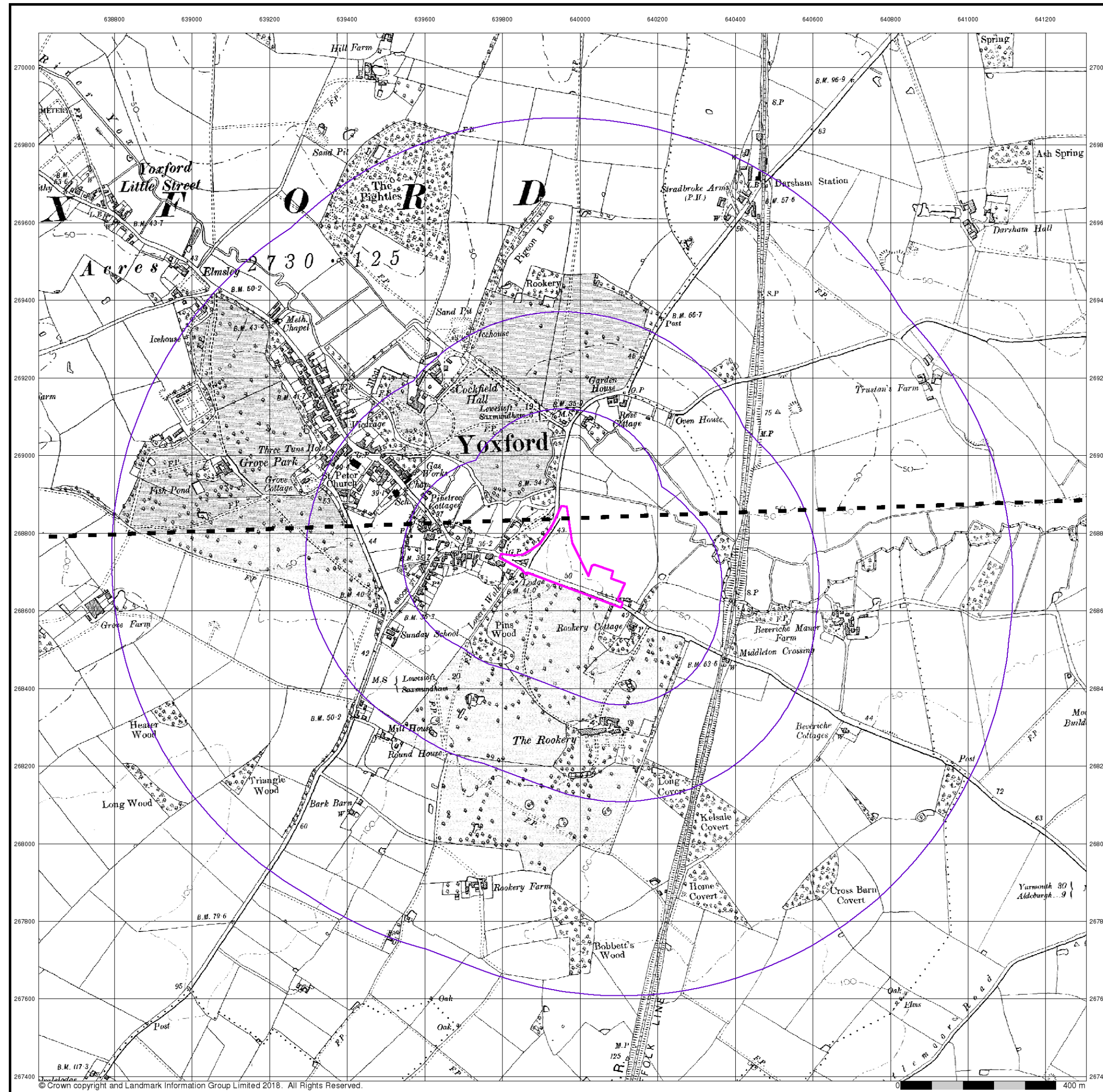


Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk



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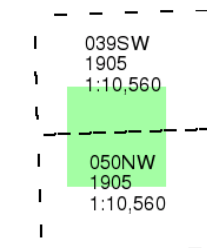
Suffolk

Published 1905

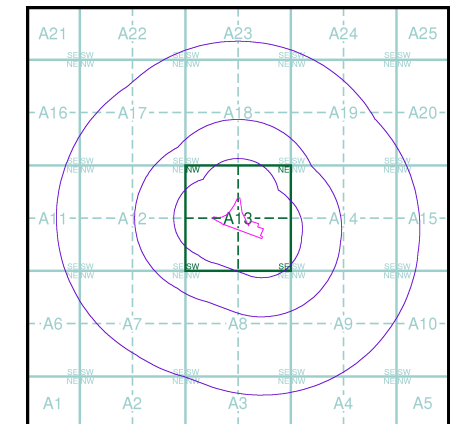
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

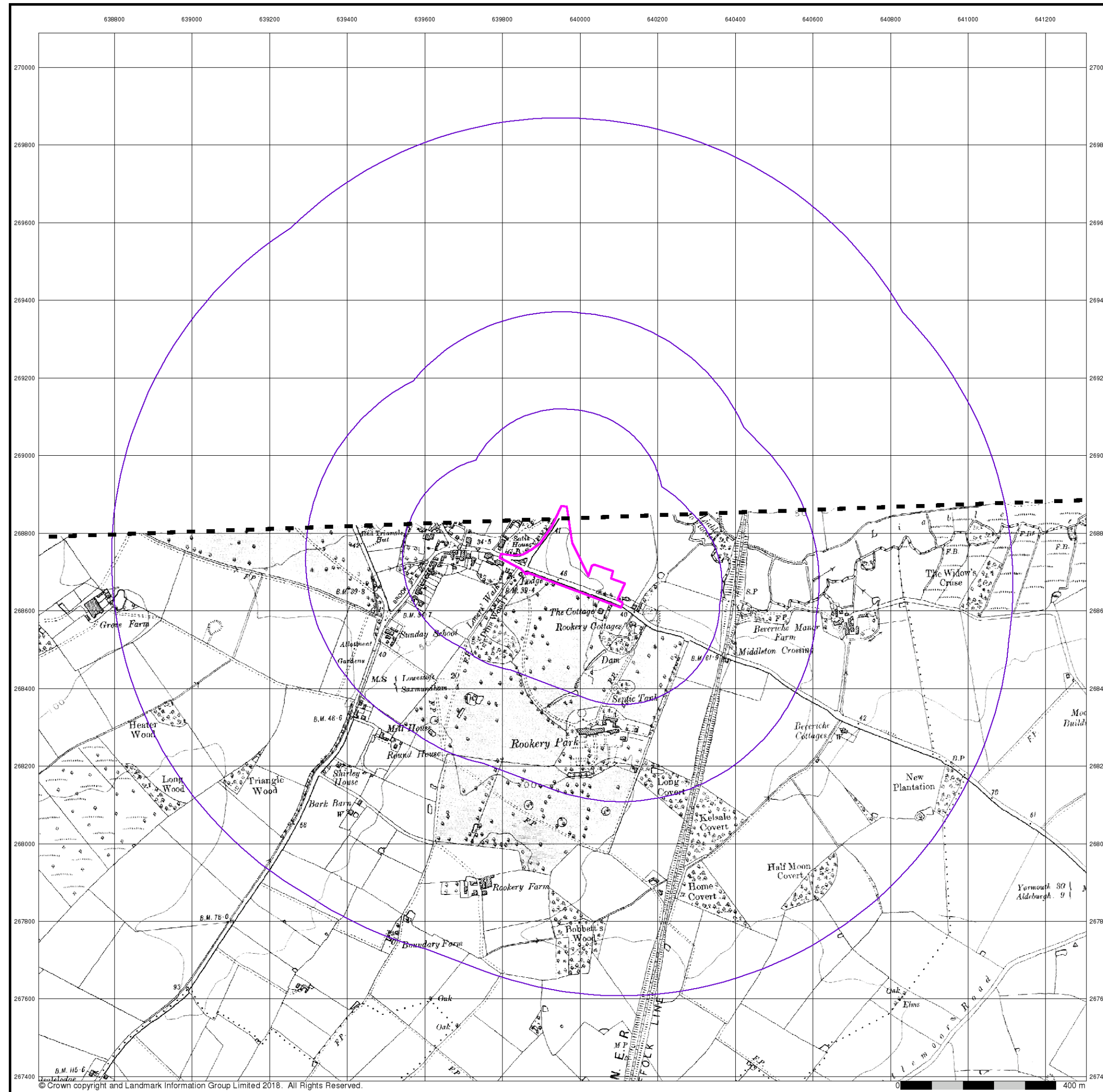
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 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

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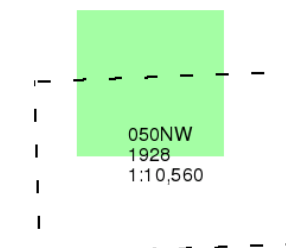
Suffolk

Published 1928

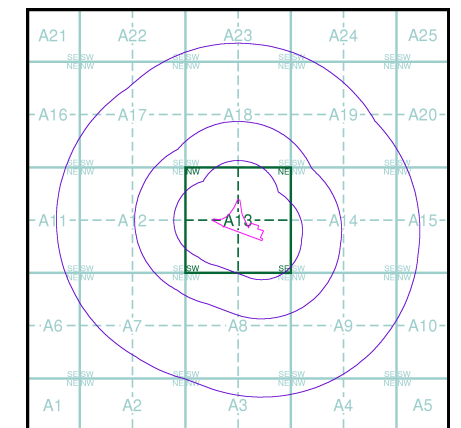
Source map scale - 1:10,560

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

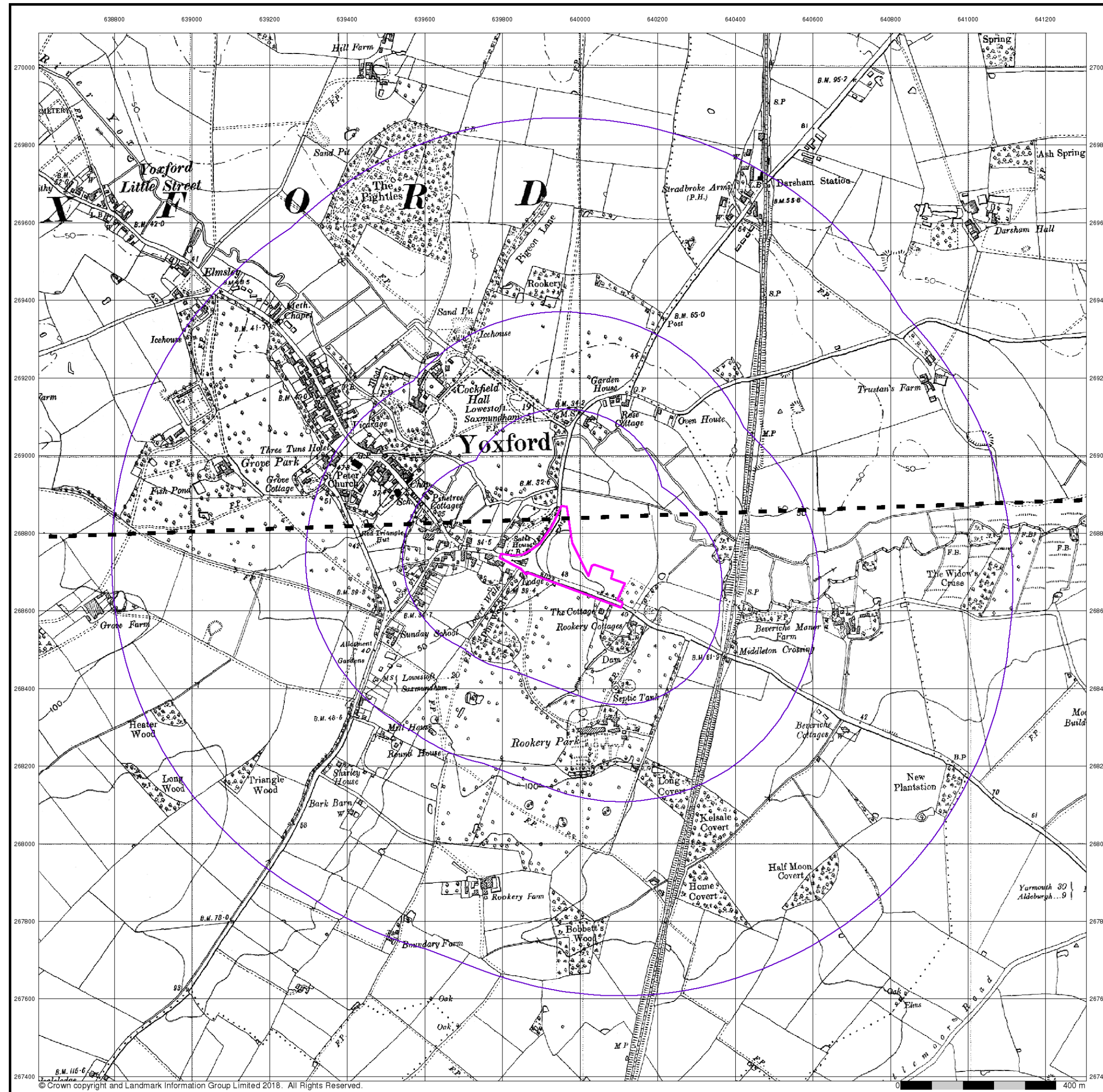


Order Details

Order Number: 164178873_1_1
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Site Details

Site at, Yoxford, Suffolk



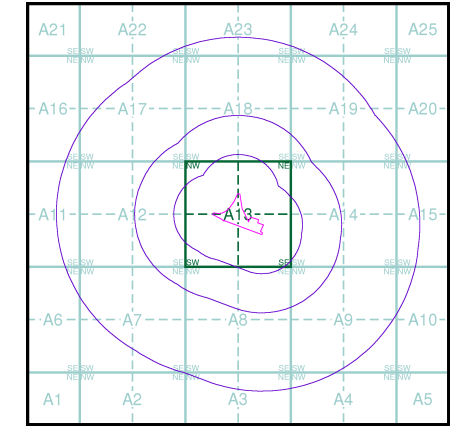
Suffolk
Published 1950 - 1951
Source map scale - 1:10,560

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)

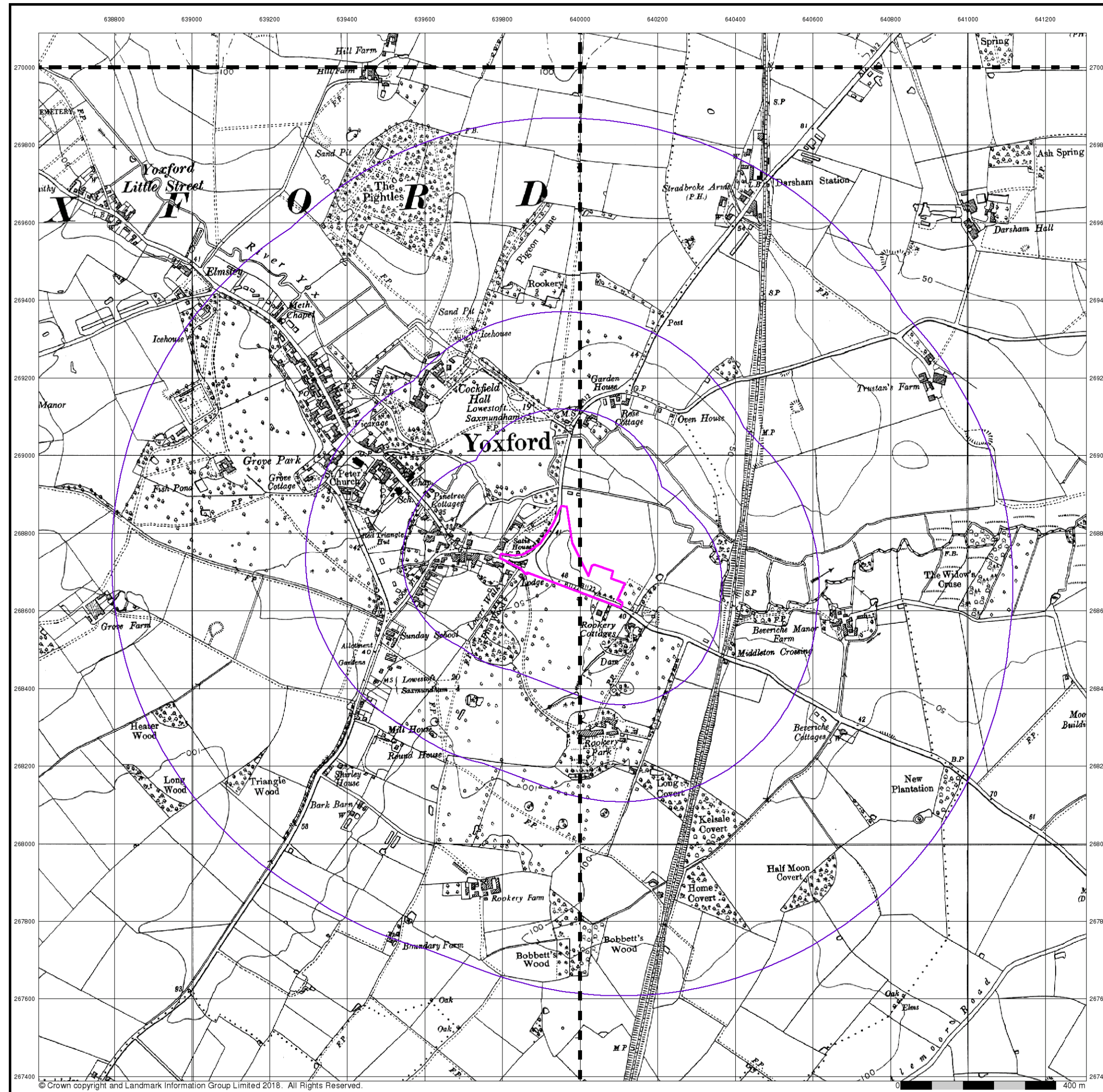
039SW	1951	1:10,560
050NW	1950	1:10,560

Historical Map - Slice A



Order Details
 Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
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 Search Buffer (m): 1000

Site Details
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Ordnance Survey Plan

Published 1957 - 1958

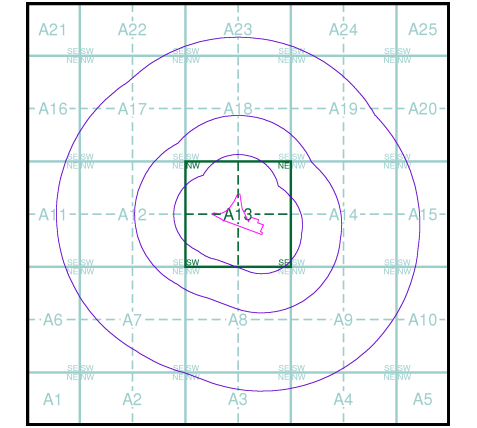
Source map scale - 1:10,000

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)

TM37SE	1957	1:10,560	TM47SW	1958	1:10,560
TM36NE	1957	1:10,560	TM46NW	1957	1:10,560

Historical Map - Slice A



Order Details

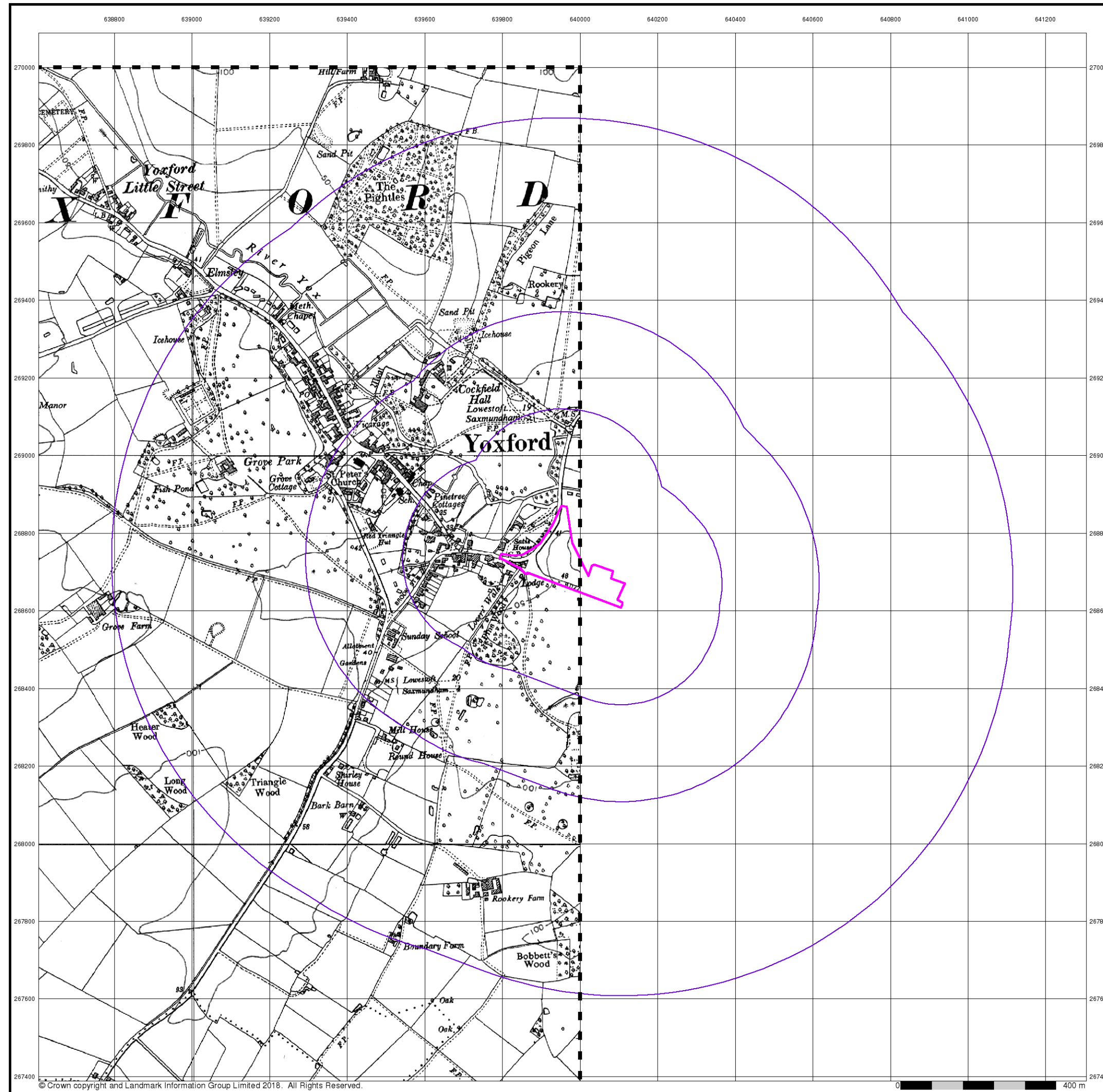
Order Number: 164178873_1_1
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 Search Buffer (m): 1000

Site Details

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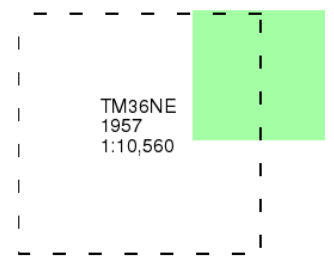
Ordnance Survey Plan

Published 1957

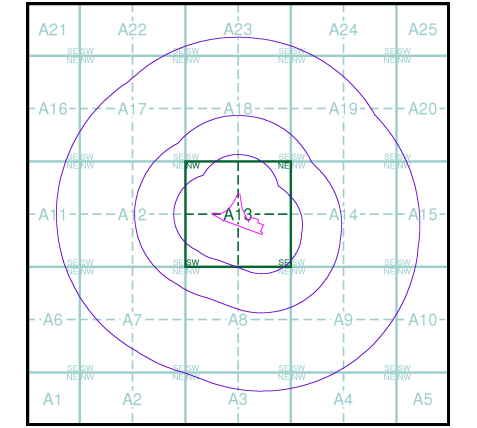
Source map scale - 1:10,000

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: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1979

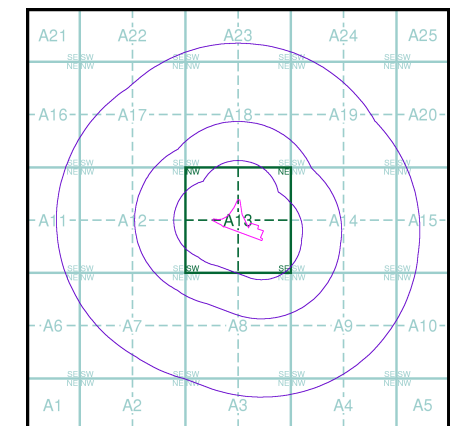
Source map scale - 1:10,000

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)

TM47SW
1979
1:10,560

Historical Map - Slice A

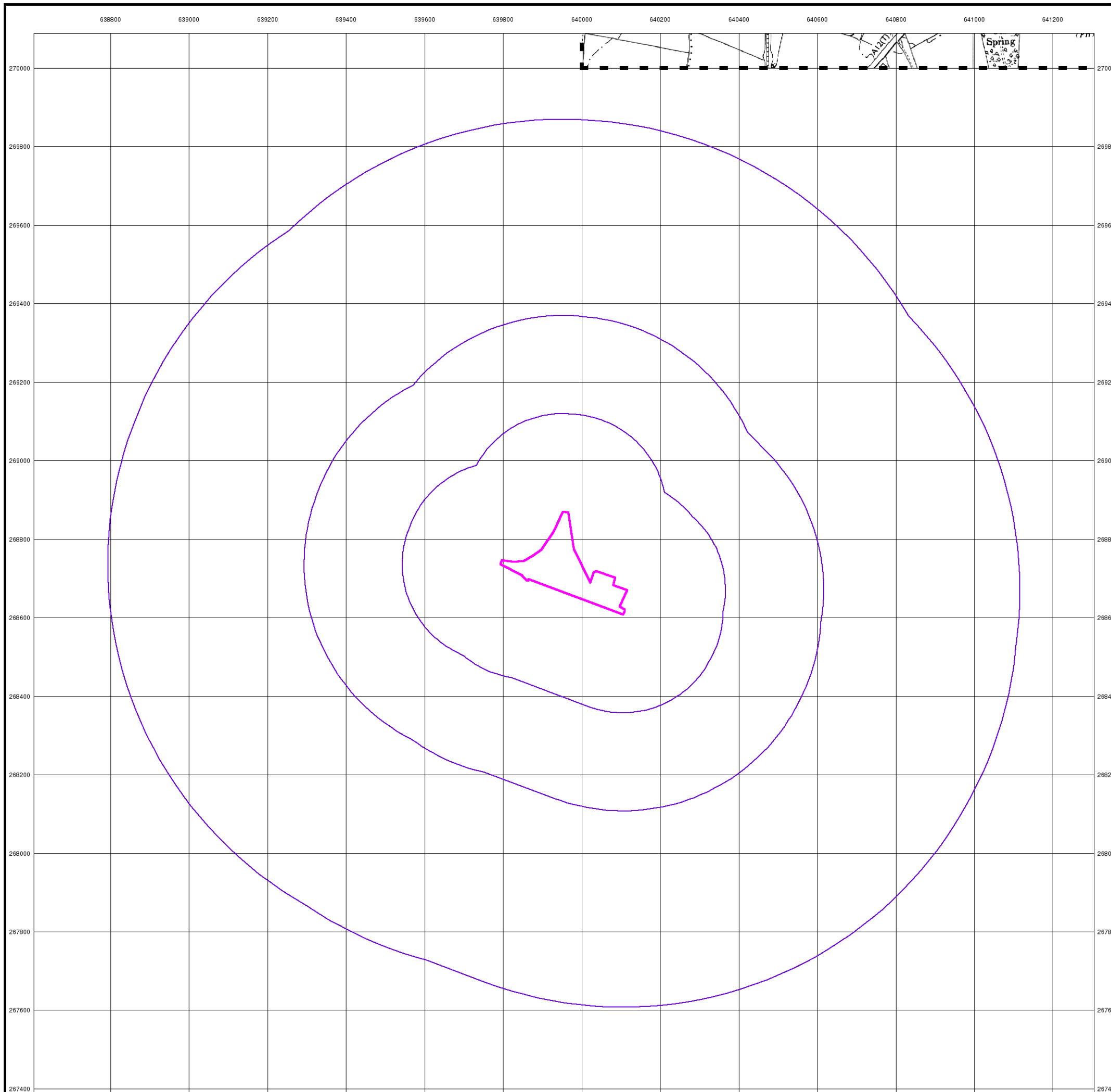


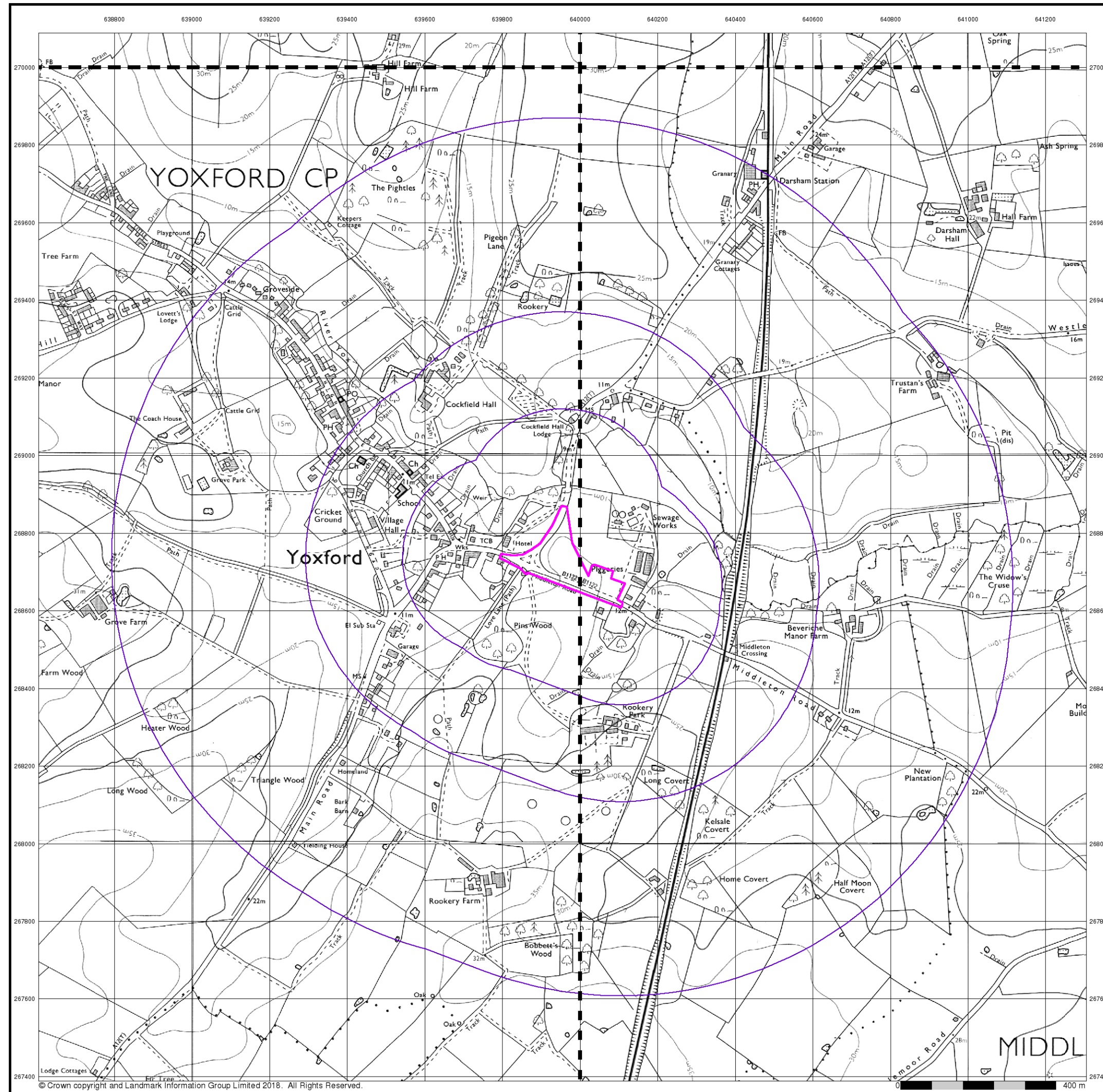
Order Details

Order Number: 164178873_1_1
Customer Ref: 5166065.008
National Grid Reference: 639970, 268730
Slice: A
Site Area (Ha): 2.75
Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk





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Ordnance Survey Plan

Published 1982 - 1984

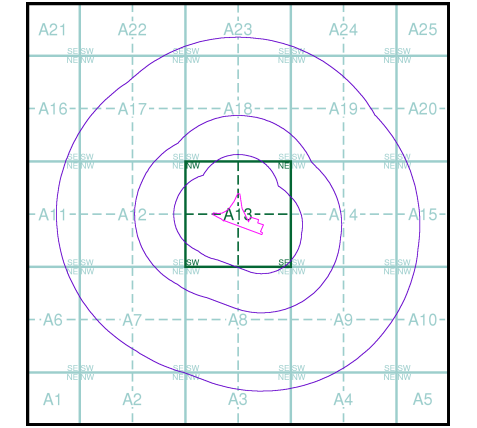
Source map scale - 1:10,000

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)

TM37SE	1982	1:10,000	TM47SW	1982	1:10,000
TM36NE	1984	1:10,000	TM46NW	1982	1:10,000

Historical Map - Slice A



Order Details

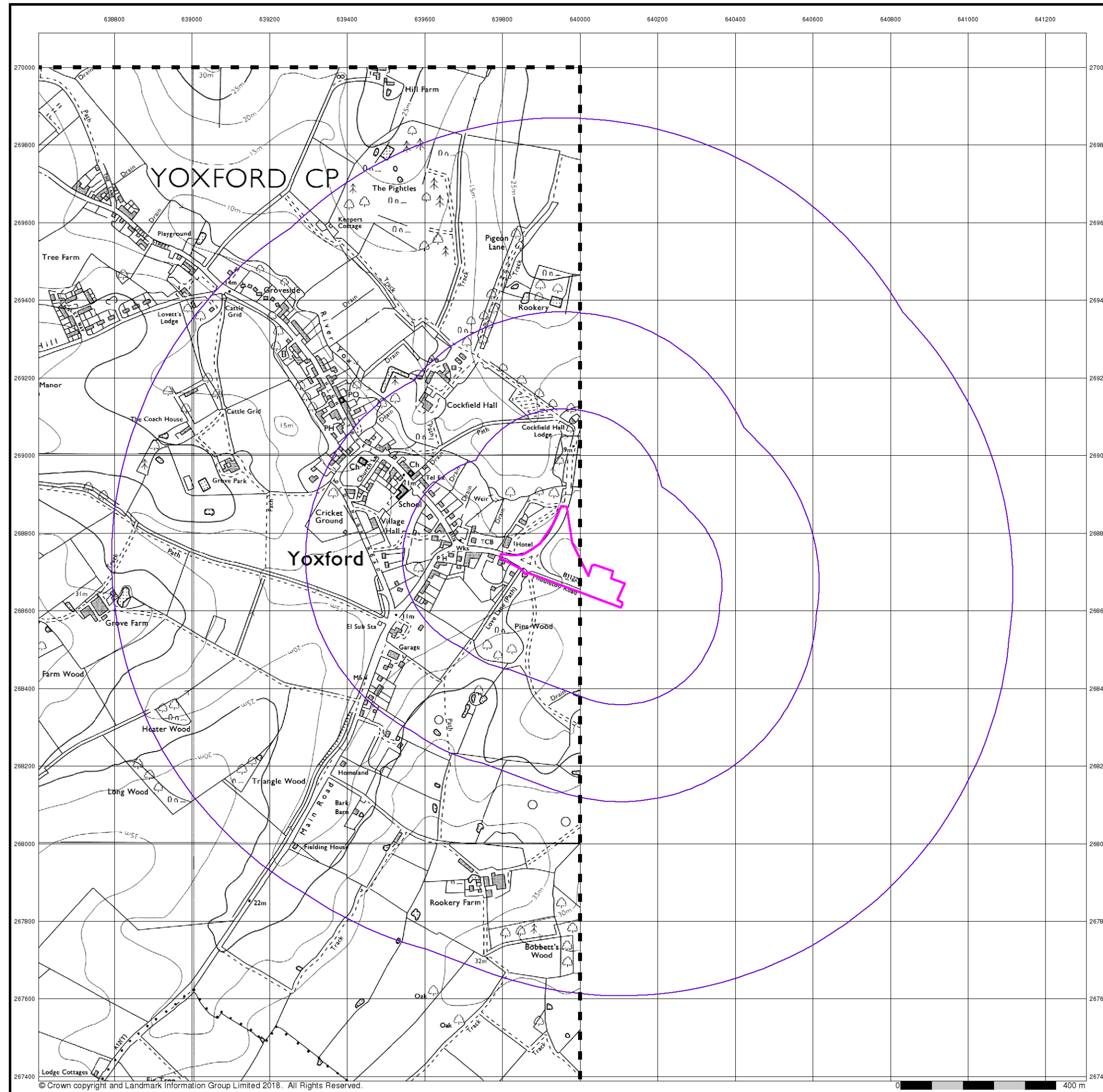
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 Customer Ref: 5166065.008
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Site Details

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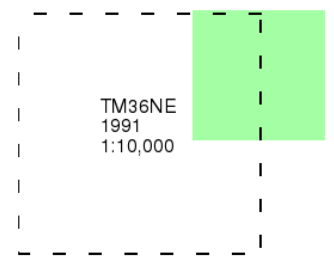
Ordnance Survey Plan

Published 1991

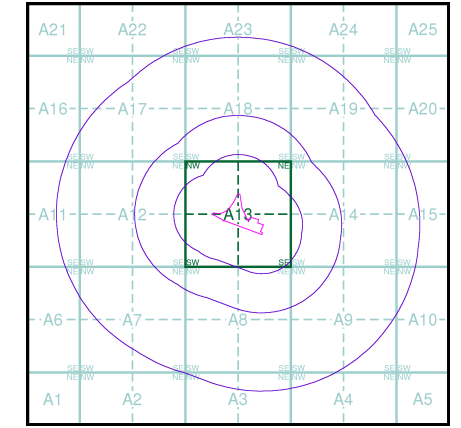
Source map scale - 1:10,000

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

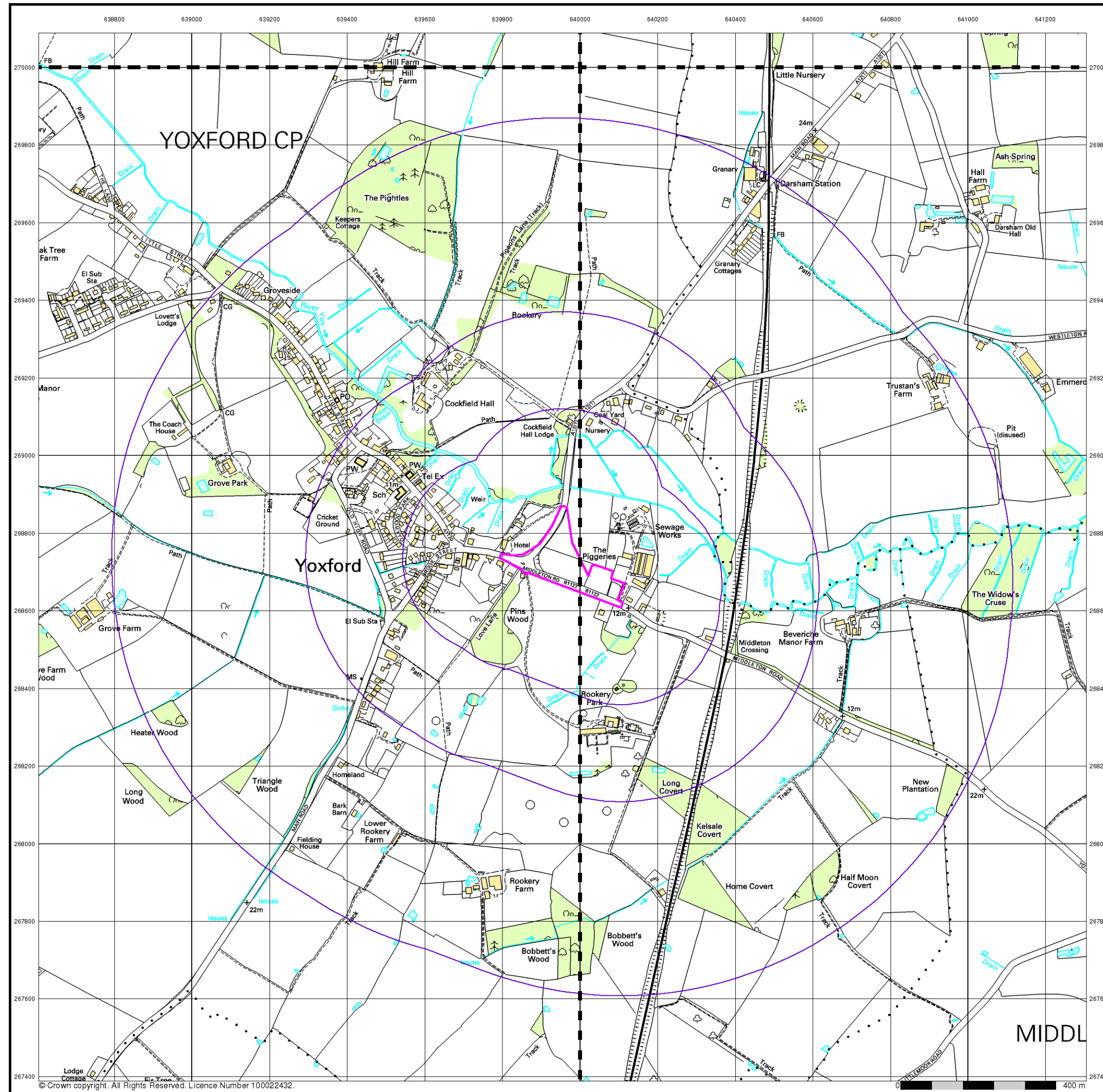


Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
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 Search Buffer (m): 1000

Site Details

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10k Raster Mapping

Published 2000

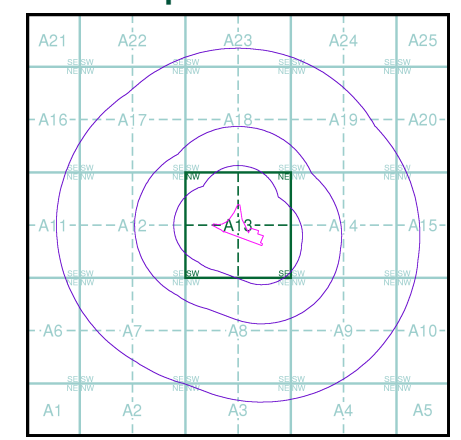
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TM37SE	TM47SW
2000	2000
1:10,000	1:10,000
TM36NE	TM46NW
2000	2000
1:10,000	1:10,000

Historical Map - Slice A



Order Details

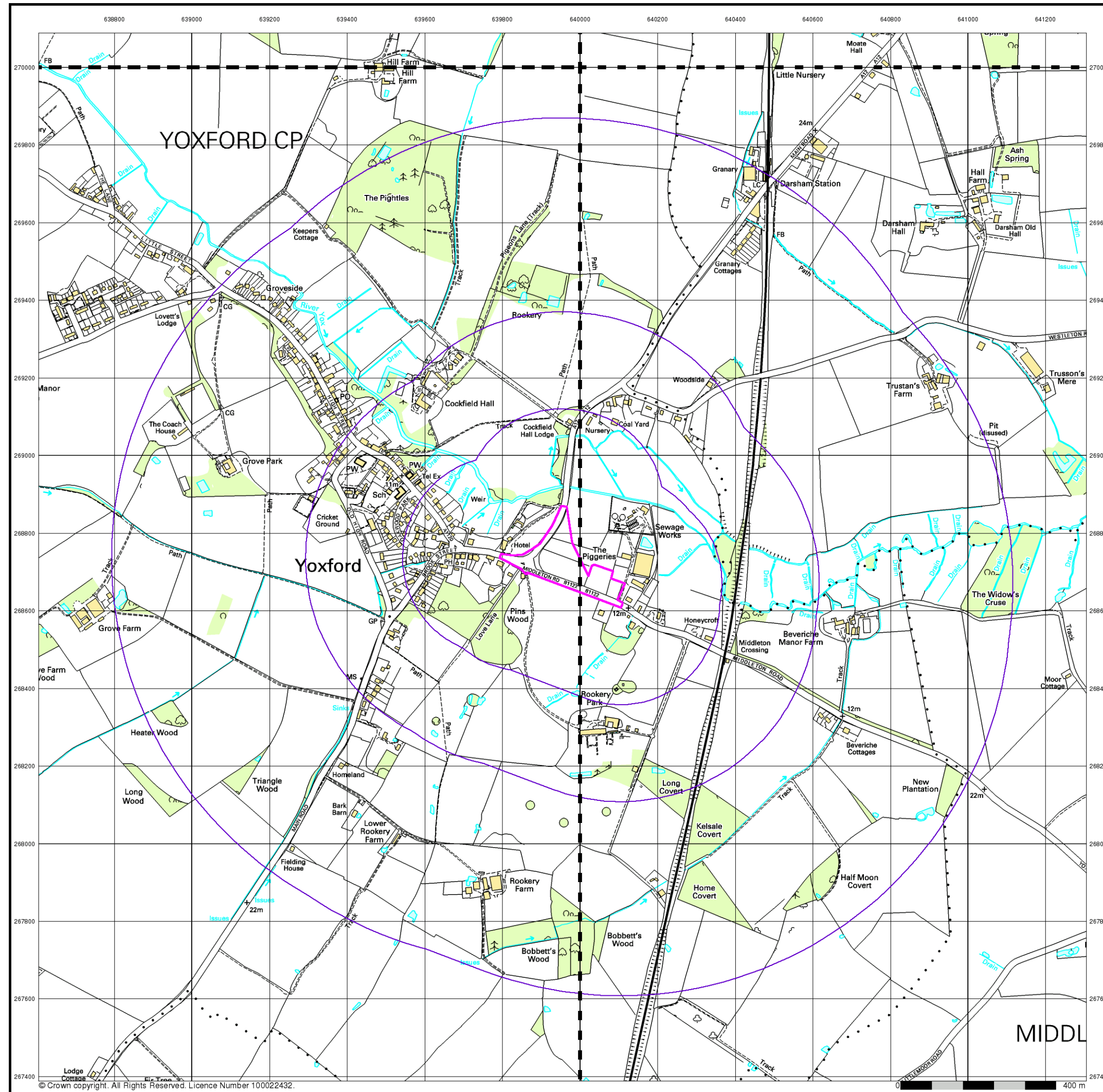
Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

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10k Raster Mapping

Published 2006

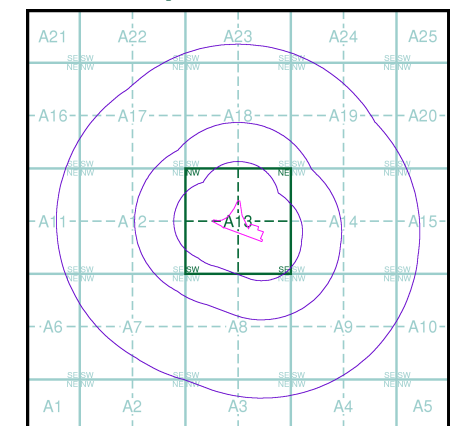
Source map scale - 1:10,000

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)

TM37SE 2006 1:10,000	TM47SW 2006 1:10,000
TM36NE 2006 1:10,000	TM46NW 2006 1:10,000

Historical Map - Slice A



Order Details

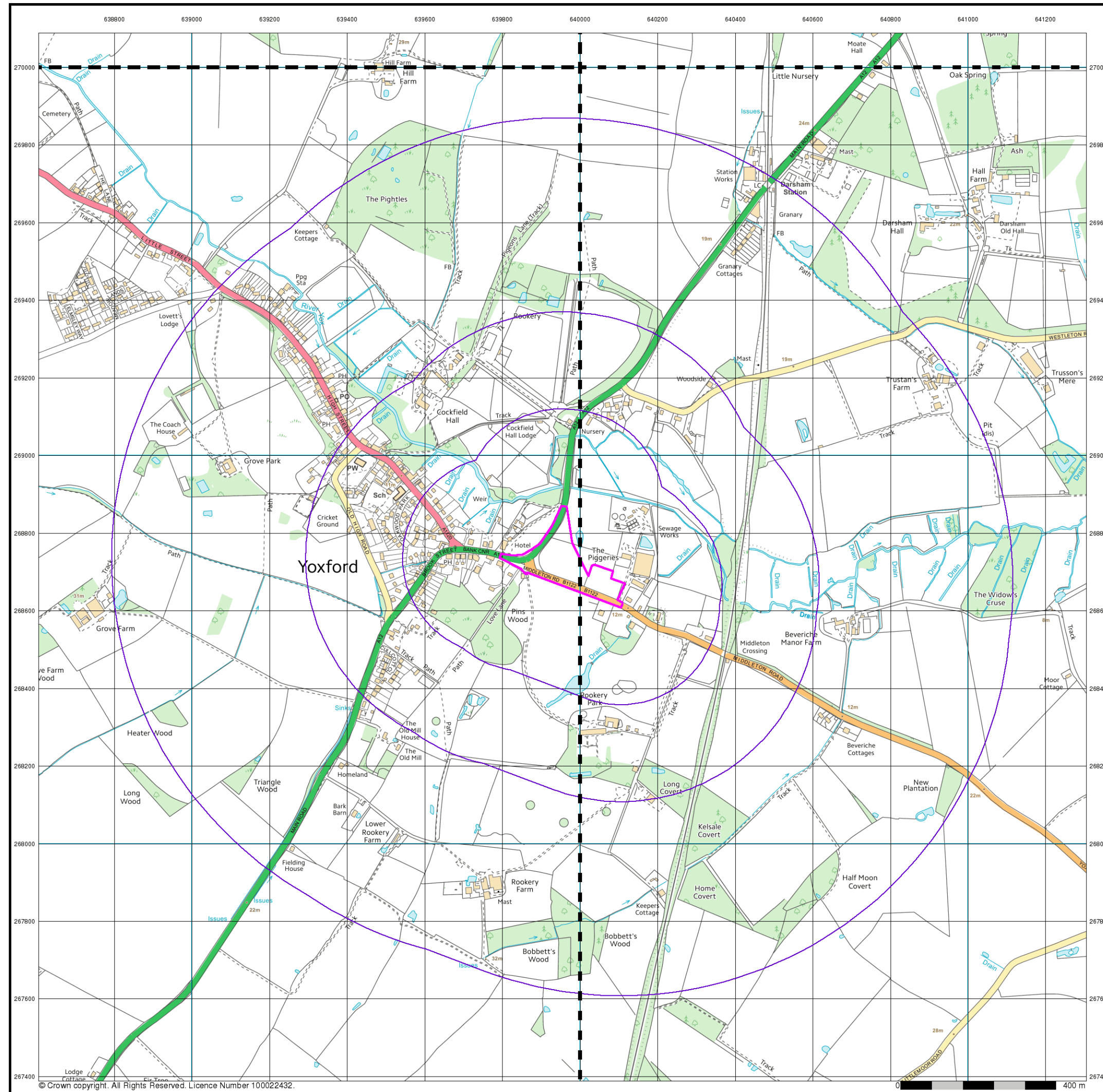
Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 1000

Site Details

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VectorMap Local

Published 2018

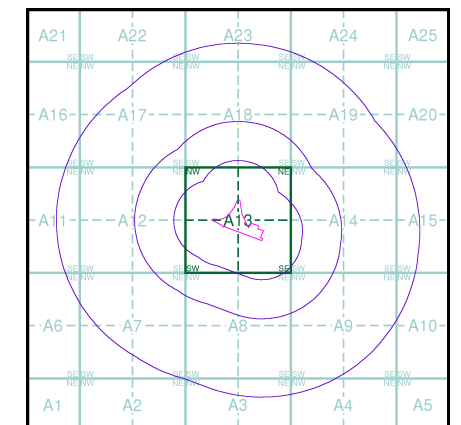
Source map scale - 1:10,000

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)

TM37SE 2018 Variable	TM47SW 2018 Variable
TM36NE 2018 Variable	TM46NW 2018 Variable

Historical Map - Slice A



Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
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 Slice: A
 Site Area (Ha): 2.75
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Site Details

Site at, Yoxford, Suffolk

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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)
 ----- Co. Boro. Bdy.
 ----- County Burgh Boundary (Scotland)
 ----- Co. Burgh Bdy.

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

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

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
 - L B Bdy - London Borough Boundary
 X 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
 o 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

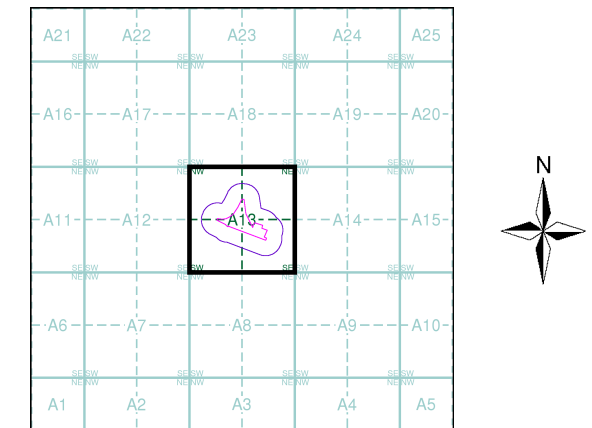
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1884	2
Suffolk	1:2,500	1904	3
Suffolk	1:2,500	1927	4
Ordnance Survey Plan	1:2,500	1976 - 1978	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1995	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment A13



Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk

Landmark®
 INFORMATION GROUP

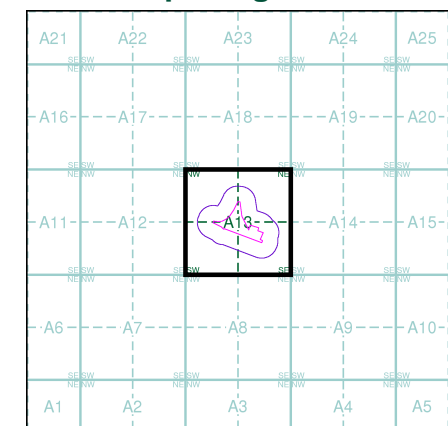
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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)

039_13 1884 1:2,500	039_14 1884 1:2,500
050_01 1884 1:2,500	050_02 1884 1:2,500

Historical Map - Segment A13

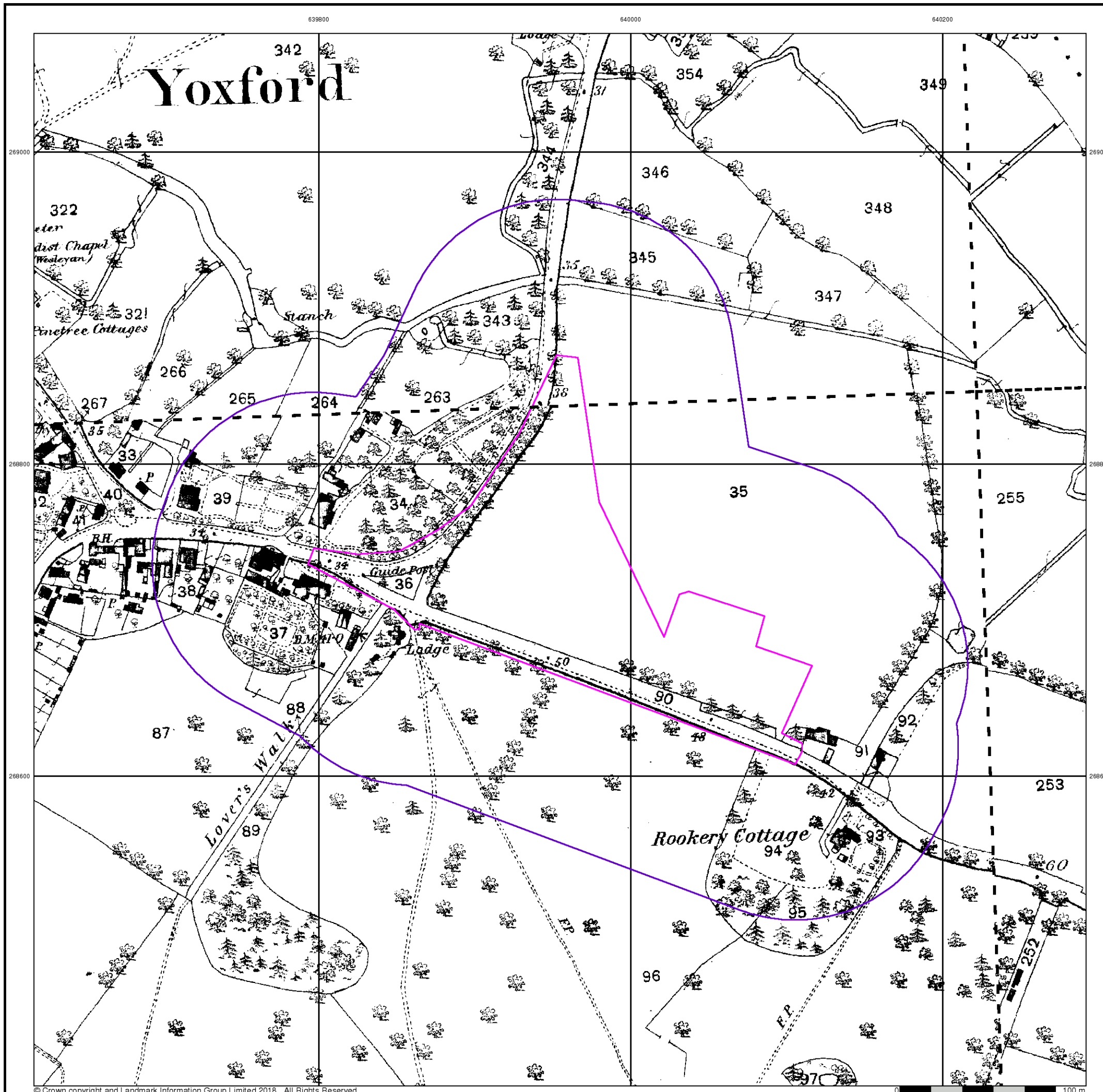


Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk

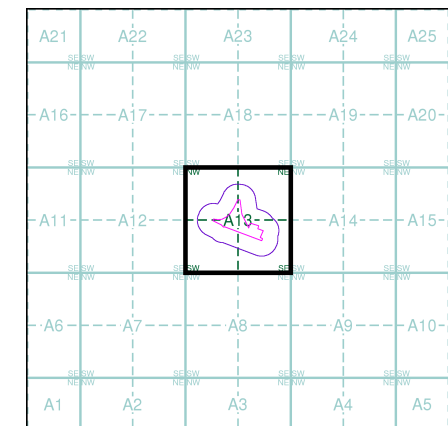


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

039_13 1904 1:2,500	039_14 1904 1:2,500
050_01 1904 1:2,500	050_02 1904 1:2,500

Historical Map - Segment A13

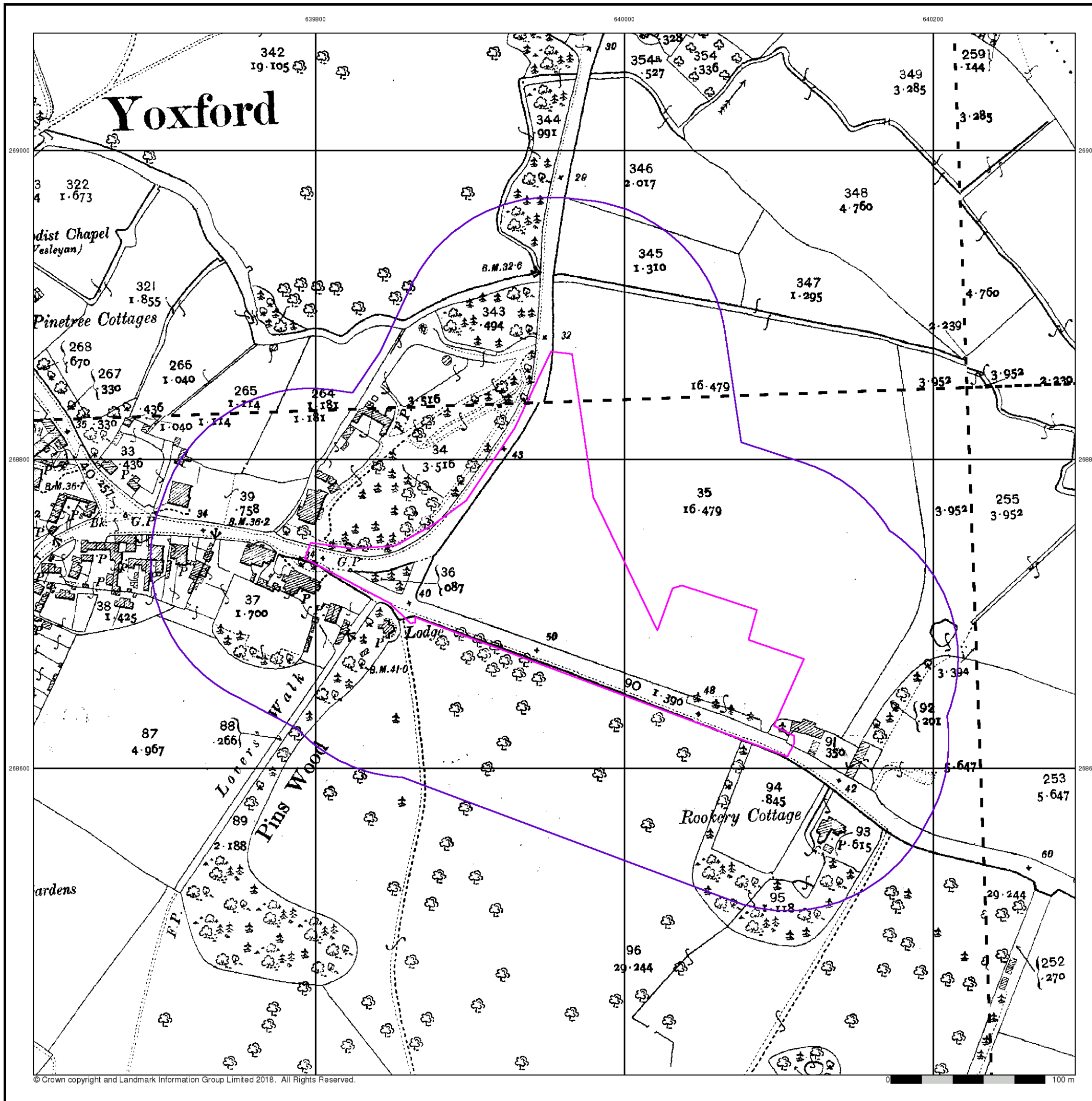


Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

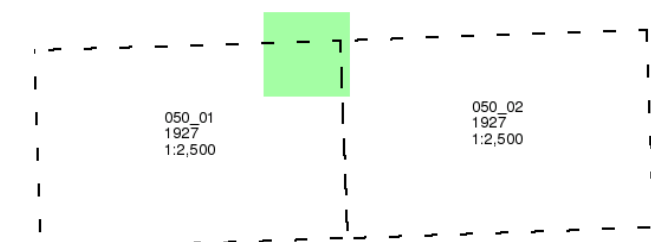
Site Details

Site at, Yoxford, Suffolk

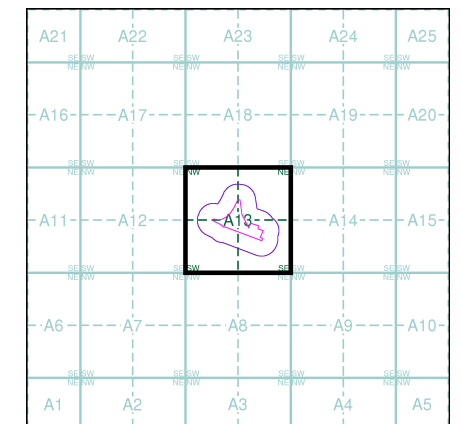


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)



Historical Map - Segment A13

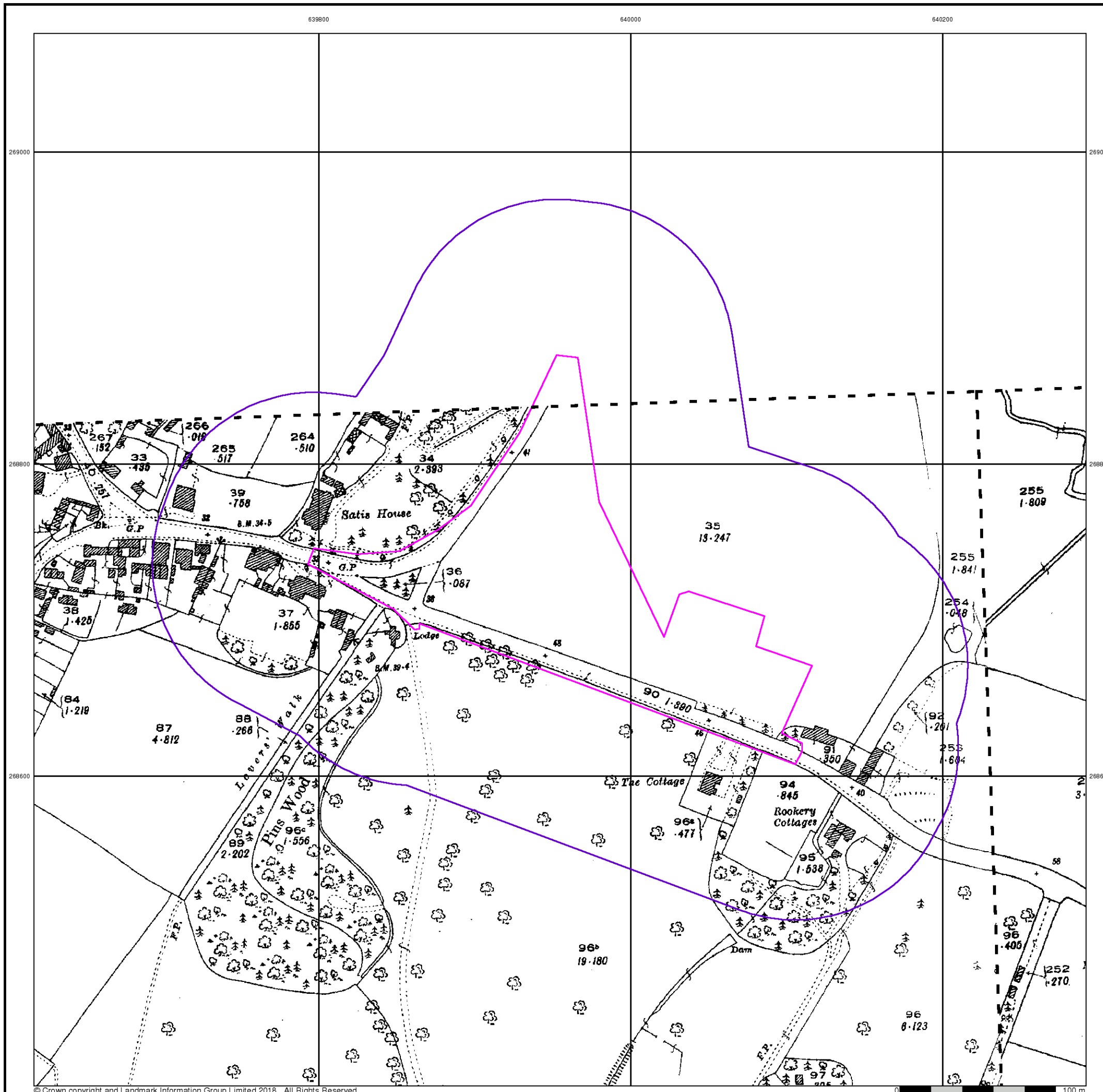


Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk



Ordnance Survey Plan

Published 1976 - 1978

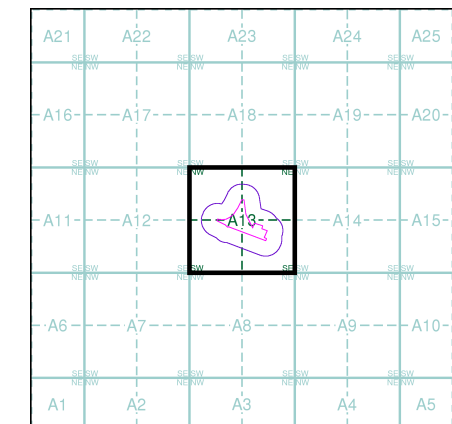
Source map scale - 1:2,500

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)

TM3969 1978 12,500	TM4069 1976 12,500
TM3968 1977 12,500	TM4068 1976 12,500

Historical Map - Segment A13

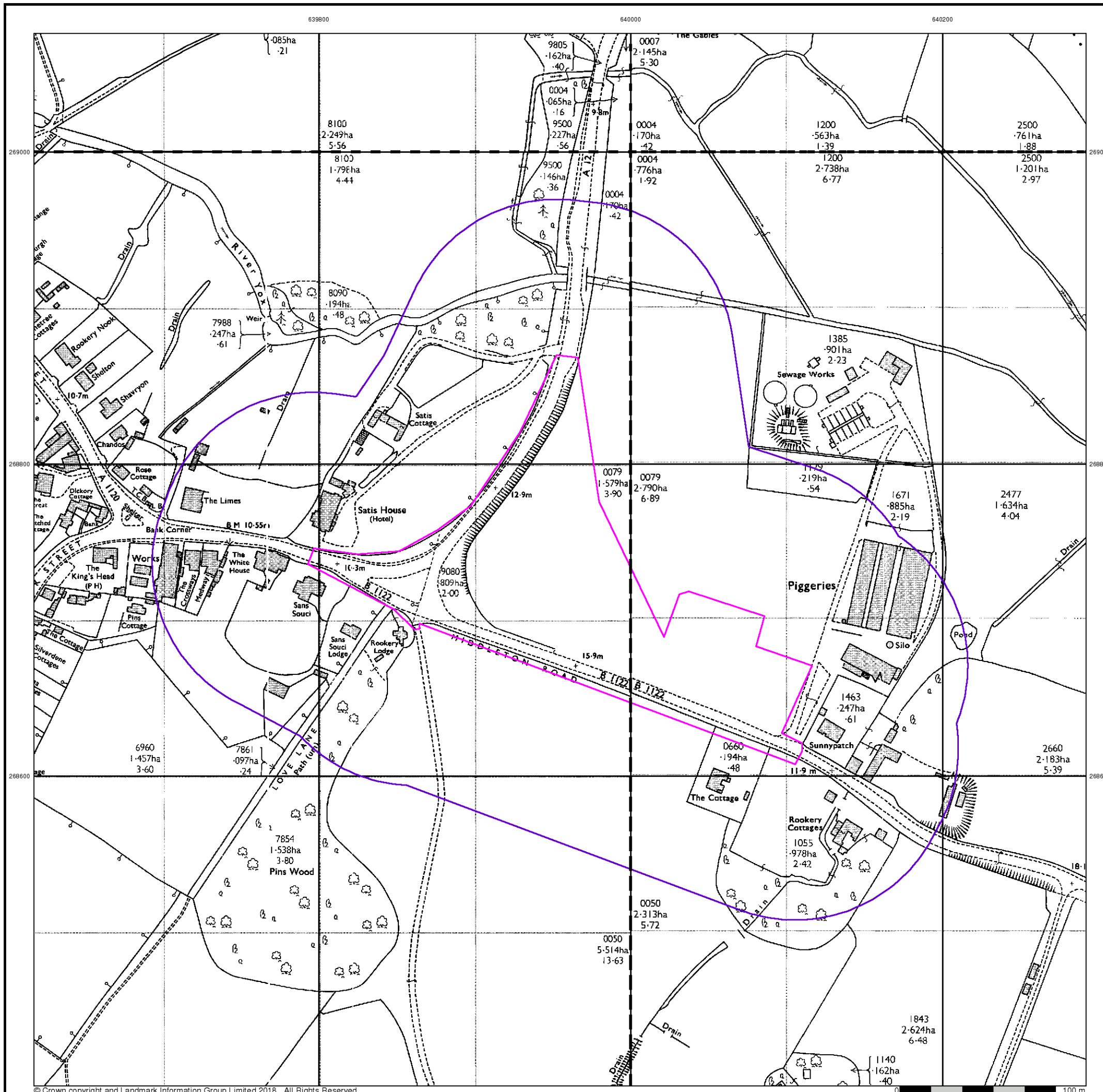


Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk



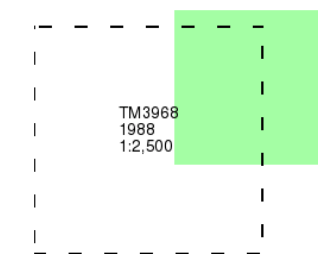
Additional SIMs

Published 1988

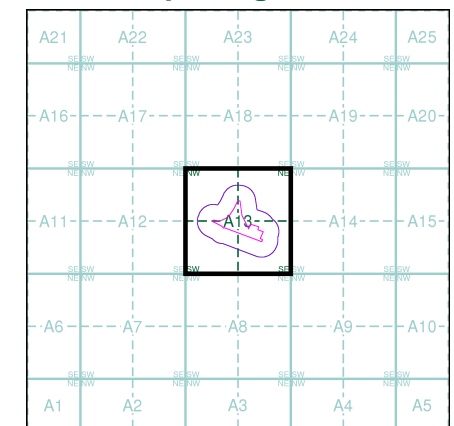
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk



Large-Scale National Grid Data

Published 1995

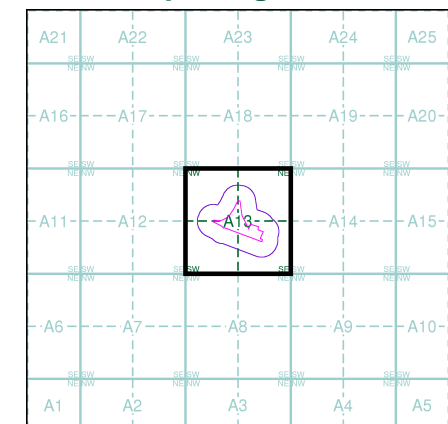
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TM3969 1995 1:2,500	TM4069 1995 1:2,500
TM3968 1995 1:2,500	TM4068 1995 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk



639800

640000

640200

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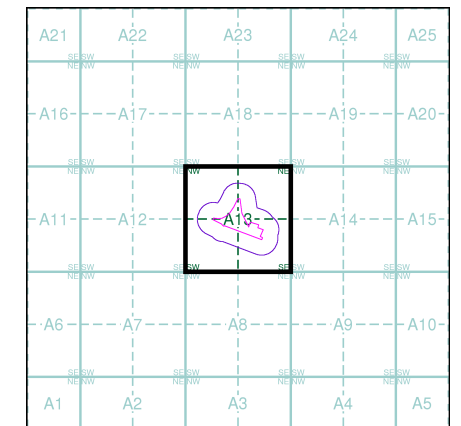
Historical Aerial Photography

Published 2000

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: 164178873_1_1
 Customer Ref: 5166065.008
 National Grid Reference: 639970, 268730
 Slice: A
 Site Area (Ha): 2.75
 Search Buffer (m): 100

Site Details

Site at, Yoxford, Suffolk

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Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Miss M Glover, Atkins Ltd, 200 Broomielaw, Glasgow, G1 4RU

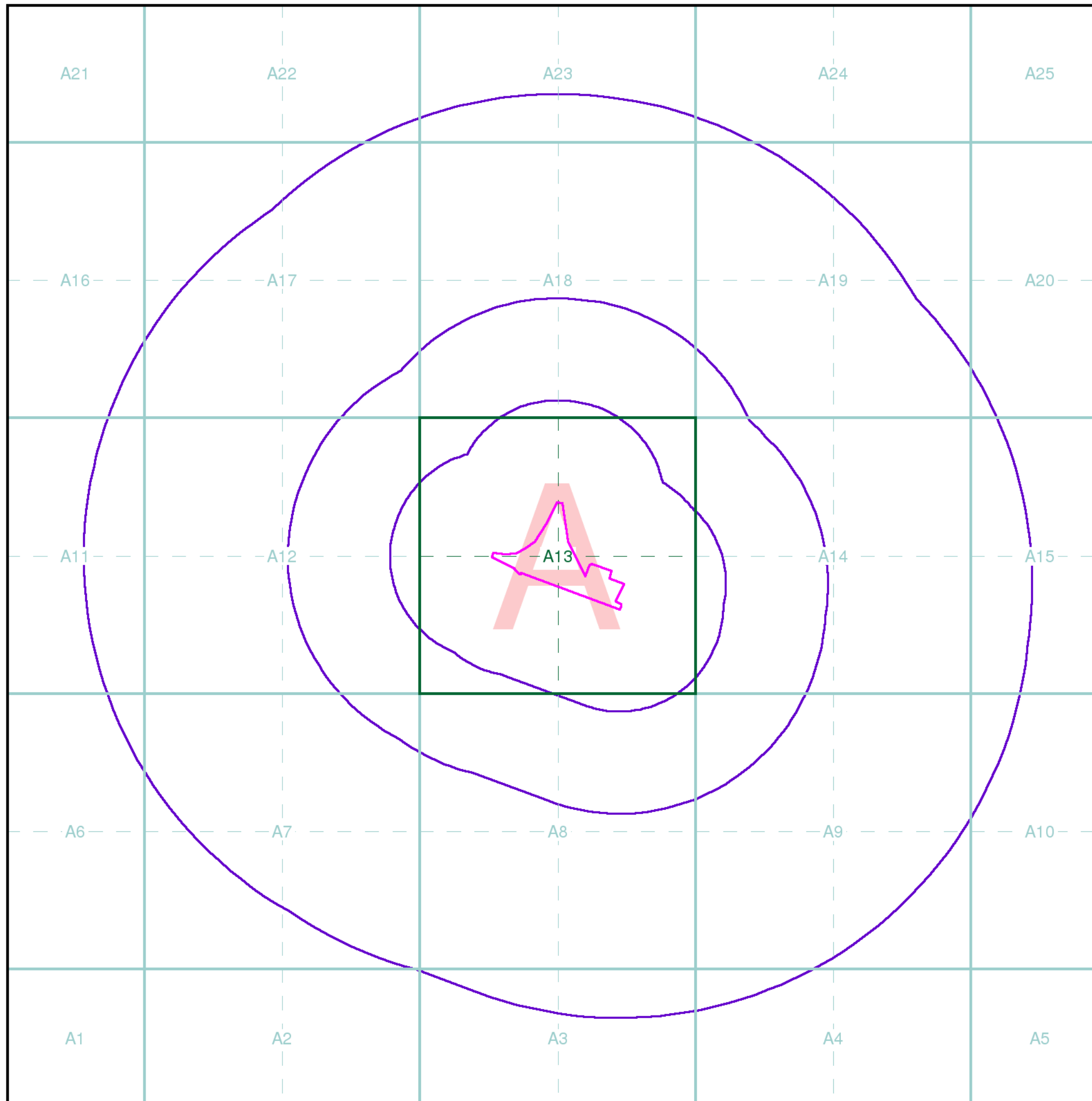
Order Details

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Customer Ref: 5166065.008
National Grid Reference: 639970, 268720
Site Area (Ha): 2.75
Search Buffer (m): 1000

Site Details

Site at, Yoxford, Suffolk

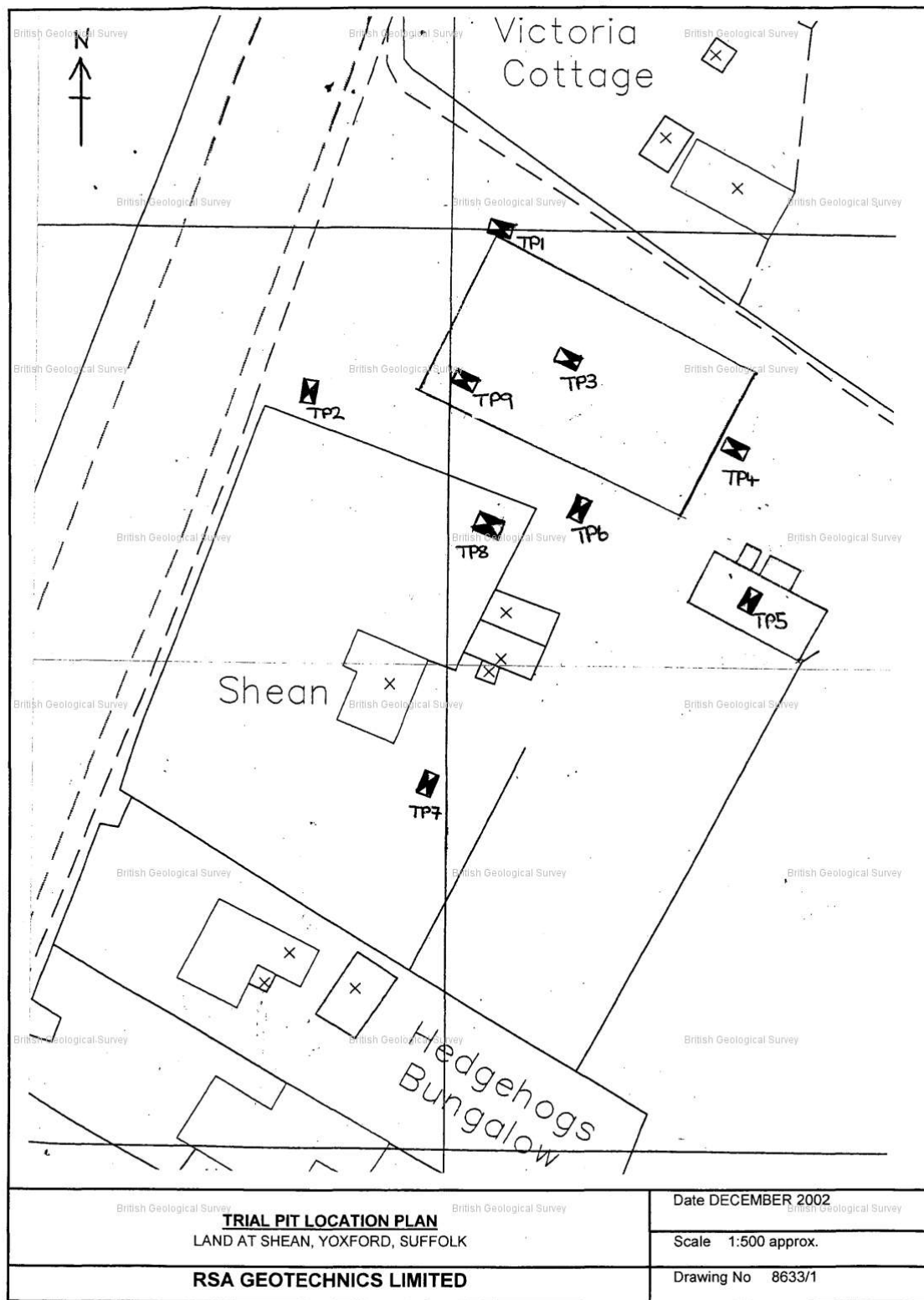
Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



NOT PROTECTIVELY MARKED

Appendix C. Historical Borehole Logs

NOT PROTECTIVELY MARKED





British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368499 : BGS Reference:
TM36NE41
British National Grid (27700) : 639510,268490
[Report an issue with this borehole](#)

Project YORKFORD, SUFFOLK British Geological Survey		Client [REDACTED] British Geological Survey		Trial Pit Excavation Methods WHEELED MECHANICAL EXCAVATOR		Hole No. TP3 Sheet # 1 of 1 Job No* 8633	
Ground Level		Coordinates m.E. m.N.		Pit Dimensions: Length - 2.10 m Width - 0.60 m		Orientation: Length - SE-NW	
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING	
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Type & No.	Test Result
14/11/02	DRY C	Hide Ground (light brown clayey silty sandy topsoil with some fine-coarse gravel sized fragments of brick, pottery and quartz and some roots and rootlets)	[Pattern]	1.10	0.50	D1	
		Orange SAND with some fine-coarse quartz and flint gravel	[Pattern]	1.15	1.10	D2	
						OTHER TESTS AND NOTES	
						ICRCL standard suite of analysis No groundwater recorded during excavation	
						ICRCL standard suite of analysis Trial pit complete at 1.15 m	
						Pit Stability, Shoring, etc. No collapse of sides of trial pit.	
Water Level observations during digging, depths below GL		WATER		SAMPLE AND TEST KEY		TEST RESULT	
Strike	Depth Obs.	5 min	10 min	15 min	20 min	By	CN
						Dates	14/11/02
						Log	CN
1 First Strike 2 Subsequent Strike N - Overnight Depth C - Completion Depth S - Seepage not rising		D Small disturbed sample B Bulk disturbed sample W Water sample U Undisturbed sample K Percolation Test		PP Perth Penetrometer Test HV Hand shear vane test SRD Sand replacement density test CBR In situ CBR test PB Plate Bearing Test		Np = Np Value V = Average Hand Shear Vane Strength - kN/m ² BD = In-Situ Bulk Density - Mg/m ³ CBR = California Bearing Ratio - %	
						Fieldwork By CN	
						Sheet 1 of 1	
						TP3	
						RSA GEOTECHNICS LTD (02440) 418421	



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368500 : BGS Reference:
TM36NE42
British National Grid (27700) : 639530,268480
[Report an issue with this borehole](#)

Project: TP4		Client: British Geological Survey		Trial Pit Excavation Methods: WHEELED MECHANICAL EXCAVATOR		Job No: TP4	
Ground Level		Coordinates: m.E.		Pit Dimensions: Length - 2.10 m Width - 0.60 m		Sheet: 1 of 1	
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING	
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Type & No.	OTHER TESTS AND NOTES
14/11/02	DRY C	Made Ground (Grass over very loose/broken up flexible surfacing (SE end of trial pit only)) Made Ground (light brown and orange very gravelly sand with some gravel sized fragments of quartz, brick and tarmac (SE end of trial pit only)) Made Ground (brown clayey silty sand with gravel sized fragments of brick and quartz. (this is from ground level in NW end of trial pit)) Orange and light brown SAND with occasional fine-coarse quartz and flint gravel	[Pattern]	0.10 0.20 1.10 1.15	0.20 0.50 1.10	D1 D2 D3	No groundwater recorded during excavation Trial pit complete at 1.15 m Pit Stability, Shoring, etc. No collapse of sides of trial pit
Water Level observations during digging, depths below GL		WATER		SAMPLE AND TEST KEY		TEST RESULT	
Strike	Depth Obs.	5 min	10 min	15 min	20 min	1st Strike	2nd Strike
Fieldwork By: CN		Dates: 14/11/02		Log: CN		Sheet: 1 of 1	

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British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368501 : BGS Reference:
TM36NE43
British National Grid (27700) : 639530,268460
[Report an issue with this borehole](#)

Project YOXF080, SUFFOLK British Geological Survey		Client British Geological Survey		Trial Pit Excavation Methods WHEELED MECHANICAL EXCAVATOR		Hole No. TP5 Sheet 1 of 1 Job No. 8633																		
Ground Level		Coordinates m.E. m.N.		Pit Dimensions: Length - 2.20 m Width - 0.60 m		Orientation: Length - NE-SW																		
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING		OTHER TESTS AND NOTES																
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Type & No.	Test Result		% C 25	W %	W _p %	W _i %												
14/11/02	DRY C	Made Ground (Light brown and orange slightly clayey silty sand with some fine-coarse gravel sized fragments of quartz, brick, glass, pottery, asbestos, metal, burnt wood, shoeleaces, plastic and fibre/cloth and with some roots and rootlets)	[Pattern]	0.50 0.50	0.50 0.50	D1 D2						Microscopic inspection for asbestos (D1) ICRDL standard suite of analysis (D2) No groundwater recorded during excavation												
		Orange SAND with occasional fine-coarse quartz and flint gravel	[Pattern]	1.10	1.10	D3						ICRDL standard suite of analysis Trial pit complete at 1.10 m												
Pit Stability, Shoring, etc. No collapse of sides of trial pit																								
Water Level observations during digging, depths below GL. <table border="1"> <thead> <tr> <th>Strike</th> <th>Depth</th> <th>Obs.</th> <th>5min</th> <th>10 min</th> <th>20 min</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Strike	Depth	Obs.	5min	10 min	20 min							WATER 1 First Strike 2 Subsequent Strike N - Oversight Depth C - Completion Depth S - Seepage not rising		SAMPLE AND TEST KEY D Small disturbed sample B Bulk disturbed sample W Water sample U Undisturbed sample K Percolation Test		TEST RESULT PP Perth Penetrometer Test HV Hand shear vane test SRD Sand replacement density test CBR In situ CBR test PB Plate Bearing Test		No = No Value V = Average Hand Shear Vane Strength - kN/m ² BD = In-Situ Bulk Density - Mg/m ³ CBR = California Bearing Ratio - %		Fieldwork By: CN Dates: 14/11/02 Log: CN		Sheet 1 of 1 BGS (01449) 639483
Strike	Depth	Obs.	5min	10 min	20 min																			



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368503 : BGS Reference:
TM36NE44
British National Grid (27700) : 639510,268470
[Report an issue with this borehole](#)

Project: TP6 (TP6) (SUFFOLK) (rvey)		Client: British Geological Survey		Trial Pit Excavation Methods: WHEELED MECHANICAL EXCAVATOR		Sheet: 1 of 1	
Ground Level		Coordinates: m.E.		Pit Dimensions: Length - 2.00 m Width - 0.60 m		Job No: 8633	
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING	
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Type & No.	Test Result
14/11/02	DRY C	Made Ground (Flexible surfacing)		0.10	0.10	D1	
		Made Ground (Light brown and orange very gravelly sand with quartz and flint gravel)		0.30	0.30		
		Made Ground (concrete - weak and broken up)		0.40			
		Made Ground (Brown grey silty sandy clay with flint and quartz gravel and some gravel sized fragments of brick and concrete)		0.50	0.50	D2	
		Light brown and orange SAND with some fine-course quartz and flint gravel		0.50	0.50	J1	
				0.50	0.50	V1	
				0.90-1.00	0.90-1.00	D3	
				1.10	1.10		
OTHER TESTS AND NOTES		No groundwater recorded during excavation Hydrocarbon odour from 0.40 to 0.50 m ICRCL standard suite of analysis (D2) Total Petroleum Hydrocarbons (J1) RTEX suite of analysis (V1) ICRCL standard suite of analysis Trial pit complete at 1.10 m Pit Stability, Shoring, etc. No collapse of sides of trial pit					
Water Level observations during digging, depths below GL		WATER		SAMPLE AND TEST KEY		TEST RESULT	
Strike	Depth Obs.	5min	10 min	15 min	20 min	Fieldwork By	Sheet 1 of 1
						Log	TP6
		1 First Strike 2 Subsequent Strike N Overnight Depth C Completion Depth S Seepage not rising		D Small disturbed sample B Bulk disturbed sample W Water sample U Undisturbed sample K Percolation Test		PP Perth Penetrometer Test HV Hand shear vane test SRD Sand replacement density test CBR In situ CBR test PB Plate Bearing Test	
						No = No Value V = Average Hand Shear Vane Strength - kN/m ² SD = In-Situ Bulk Density - Mg/m ³ CBR = California Bearing Ratio - %	

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British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368504 : BGS Reference:
TM36NE45
British National Grid (27700) : 639490,268440
[Report an issue with this borehole](#)

Project: YOXFORD, SUFFOLK		Client: [REDACTED] British Geological Survey		Trial Pit Excavation Methods: WHEELED MECHANICAL EXCAVATOR		British Geological Survey		Hole No. TP7		
Ground Level		Coordinates		m.E. m.N.		Pit Dimensions: Length - 2.00 m Width - 0.60 m		Sheet 1 of 1		
Orientation: Length - N-S								Job No. 8633		
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING		OTHER TESTS AND NOTES		
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Depth m	Type & No.	Test Result	% Wp	SV _v %
14/11/02	DRY C	Made Ground (Brown clayey silty sandy topsoil with occasional gravel sized fragments of quartz and rare brick and with roots and rootlets.)	[Pattern]		0.50	0.50	D1			
		Light brown slightly clayey slightly silty SAND with occasional quartz and flint gravel and occasional rootlets.	[Pattern]		0.70					
					1.10	1.10	02			
<p>IRCL standard suite of analysis</p> <p>No groundwater recorded during excavation</p> <p>Trial pit complete at 1.10 m</p> <p>Pit Stability, Shoring, etc.</p> <p>No collapse of sides of trial pit</p>										
Water Level observations during digging, depths below GL.		WATER		SAMPLE AND TEST KEY		TEST RESULT		Fieldwork		Sheet 1 of 1
Strike	Depth Obs.	9 min	10 min	15 min	20 min	PP	Perth Penetrometer Test	No =	Np Value	TP7
						HV	Hand shear vane test	Y =	Average Hand Shear Vane Strength - kN/m ²	
						SD	Sand replacement density test	BD =	In-Situ Bulk Density - Mg/m ³	14/11/02
						CBR	In situ CBR test	CBR =	California Bearing Ratio - %	
						FB	Plate Bearing Test			Log

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British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368505 : BGS Reference:
TM36NE46
British National Grid (27700) : 639500,268470
[Report an issue with this borehole](#)

Project: YOXFORD, SUFFOLK British Geological Survey		Client: [REDACTED] British Geological Survey		Trial Pit Excavation Method: WHEELED MECHANICAL EXCAVATOR		Hole No. TP8		
Ground Level		Coordinates: m.E. m.N.		Pit Dimensions: Length - 1.70 m Width - 0.60 m		Sheet 1 of 1		
Orientation: Length - E-W		Job No: 8633						
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING		OTHER TESTS AND NOTES
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Type & No.	Test Result	
14/11/02	DRY C	Made Ground (brown slightly clayey slightly silty sandy topsoil with occasional gravel sized fragments of quartz, brick and pottery with some roots and rootlets) Light brown slightly clayey silty SAND with occasional quartz and flint gravel	[Pattern]	0.40	0.30	01		TORCL standard suite of analysis No groundwater recorded during excavation Trial pit complete at 0.90 m
				0.90	0.90	02		
Water Level observations during digging, depths below GL:		WATER		SAMPLE AND TEST KEY		TEST RESULT		Fieldwork By: CN
Strike	Depth Obs.	5 min	10 min	15 min	20 min	PP Perth Penetrometer Test No = No Value HV Hand shear vane test V = Average Hand Shear Vane Strength - kN/m ² SRD Sand replacement density test BD = In-Situ Bulk Density - Mg/m ³ CBR In situ CBR test CBR = California Bearing Ratio - % PB Plate Bearing Test	Dates: 14/11/02 Log: CN	Sheet: 1 of 1 TP8 (03449) 615483



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18368506 : BGS Reference:
TM36NE47
British National Grid (27700) : 639500,268480
[Report an issue with this borehole](#)

<< < Prev Page 1 of 2 Next >>

Project: YOUNG, SUFFOLK		Client: [REDACTED] British Geological Survey		Trial Pit Excavation Method: WHEELED MECHANICAL EXCAVATOR		Hole No. TP9			
Ground Level		Coordinates: m.E. m.N.		Pit Dimensions: Length - 2.10 m Width - 0.60 m		Sheet 1 of 1			
Orientation: Length - SE-NW		Job No: 8633							
WATER		STRATA		SAMPLING/IN SITU TEST		LAB TESTING		OTHER TESTS AND NOTES	
Date/Time at Depth	Depth to Water m	Description	Legend	Level m.O.D.	Depth m	Type & No.	Test Result		
14/11/02	DRY C	Made Ground (Light brown slightly clayey silty sand with some gravel sized fragments of brick and quartz and with some rootlets)	[Pattern]		0.50	D1		ICRCL standard suite of analysis No groundwater recorded during excavation Trial pit complete at 0.90 m. Pit Stability, Shoring, etc. No collapse of sides of trial pit.	
		Light brown and orange SAND with very rare quartz and flint gravel	[Pattern]		0.80 0.90	D2			
Water Level observations during digging, depths below GL:		WATER		SAMPLE AND TEST KEY		TEST RESULT		Fieldwork By: CN	
Strike	Depth Obs.	5 min	15 min	20 min	Y 1 First Strike Z 2 Subsequent Strike N - Oversight Depth C - Completion Depth S - Seepage not rising	O Small disturbed sample B Bulk disturbed sample W Water sample U Undisturbed sample K Percolation Test	PP - Pore Permeability Test HV - Hand shear vane test SRD - Sand replacement density test CBR - In situ CBR test PB - Plate Bearing Test	No = No Value V = Average Hand Shear Vane Strength - kNm ² BD = In-Situ Bulk Density - Mg/m ³ CBR = California Bearing Ratio - %	Dates: 14/11/02 Log: CN

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BGS ID: 18459243 : BGS Reference:
TM46NW27

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<<

< Prev

Page 1 of 2

Next >

>>

W.D. - 2010-42



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NATURAL ENVIRONMENT RESEARCH COUNCIL

INFORMATION MANAGEMENT PROGRAMME

A SITE DETAILS

Borehole drilled for: Peter Watts
 Location: THE PIGGER'S MIDDLETON RD YOXFORD
 NGR (8 figures): TM 4013 6868
 Ground Level (if known): _____ Please attach site plan
 Drilling Company: A G BROWN DRILLING, HAVENHILL
 Date of Drilling: Commenced 16/10/2009 Completed 23/10/2009

B CONSTRUCTION DETAILS

Borehole Datum (if not ground level) GL above
 _____ m below GL
 (point from which all measurements of depth are taken e.g. flange, edge of chamber, etc.)

Borehole drilled diameter
200 mm from GL to 7 m/depth
150 mm from GL to 31.4 m/depth
 _____ mm from _____ to _____ m/depth

Casing material _____ diameter _____ mm from _____ to _____ m/depth
 and type (e.g. if plain steel, plastic slotted)

Casing material PVC Plastic diameter 125 mm from GL to 30 m/depth
 Casing material _____ diameter _____ mm from _____ to _____ m/depth
 Casing material _____ diameter _____ mm from _____ to _____ m/depth

Grouting details

Water struck at 4.5 m (depth below datum - mbd)
15.5 m (depth below datum - mbd)

Rest water level on completion 4.4 mbd

C TEST PUMPING SUMMARY (Please supply full details on Forms WR-39)

Test Pumping Datum (if different from borehole datum) _____ m above
 _____ below borehole datum (mbd)

Pump Suction depth 15 mbd

Water Level (Start of Test) 4.4 mbd

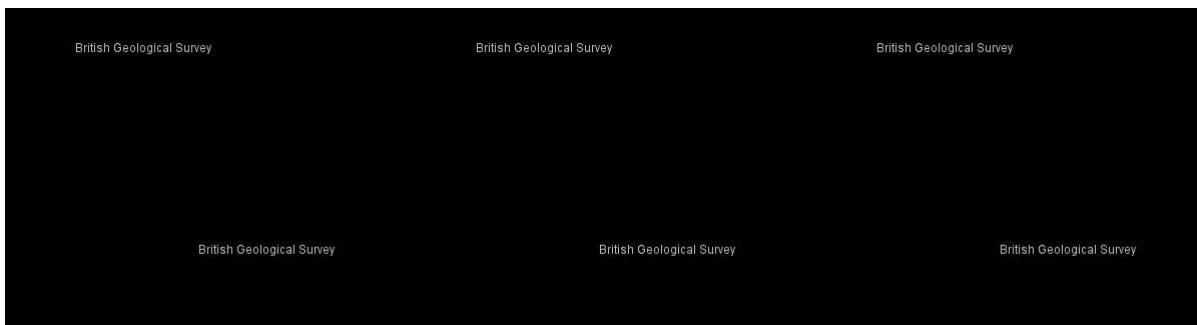
Water Level (End of Test) 4.4 mbd

Pumping rate 3 m³/PER HOUR
 for 1 days/

Recovery to 4.4 mbd in 0 mins: hrs: days (NO DRAWDOWN)
 (from end of pumping)

Date(s) of measurements 26/10/09

Please supply chemical Analysis if available





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D STRATA LOG

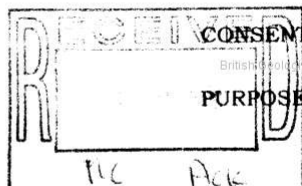
Geological Classification (BGS only)	Description of strata	Thickness	Depth
		m	m
	Top soil	0.2	0.0 - 0.2
	Sand with small stones	15.3	0.2 - 15.5
	grey clay and silt	1.0	15.5 - 16.5
	green sand and shells	13.5	16.5 - 31.5
(continue on separate page if necessary)			
Other comments (e.g. gas encountered, saline water intercepted, etc.)			
Slotted Plastic S lengths			
Plain S.S lengths			

FOR OFFICIAL USE ONLY

FILE

LIC NO:

DATE REC:



CONSENT NO

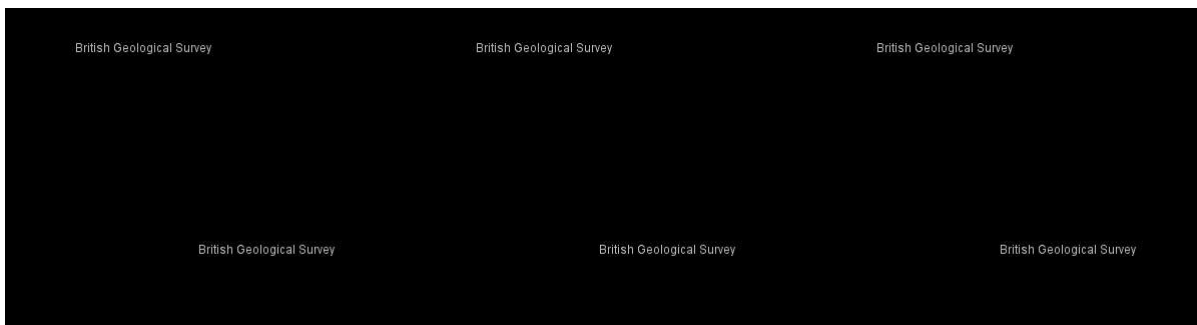
PURPOSE:

COPY TO:

NGS REF NO:

EA REF NO:

ENTERED BY:





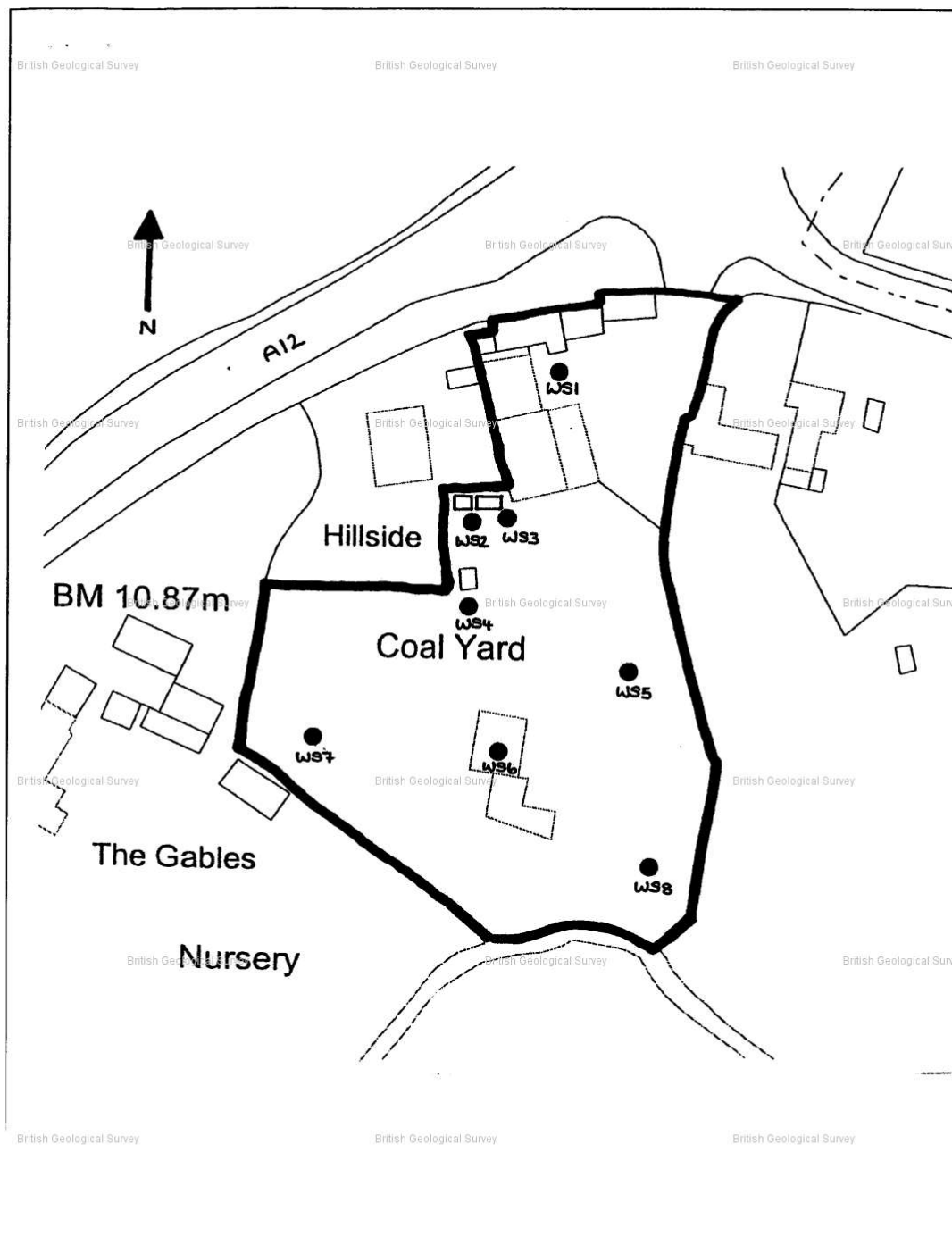
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TM46NW28
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Page 2 of 2





WINDOW SAMPLE HOLE LOCATION PLAN		NOTE: All locations are approximate	
FORMER COAL YARD, THURTELLS CORNER, YOXFORD, SUFFOLK <small>British Geological Survey</small>		Date APRIL 2005	
		Scale NOT TO SCALE <small>British Geological Survey</small>	
RSA GEOTECHNICS LIMITED		Drawing No 9556/1	



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BGS ID: 18762226 : BGS Reference:
TM46NW28
British National Grid (27700) : 640090,269130
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Project		FORMER COAL YARD, THURTELLS CORNER, YORFORD, SUFFOLK		Client		[REDACTED]		Boring Methods		PERCUSSIVE WINDOW SAMPLER		Hole No.		WS1							
		British Geological Survey		Engineer		British Geological Survey				British Geological Survey		Sheet		1 of 1							
Ground Level		Coordinates		m.E.		m.N.						Job No		9556							
WATER		STRATA										SAMPLING/IN SITU TEST				LAB TESTING				OTHER TESTS AND NOTES	
Date/Time at Depth	Depth of Casing m	Depth to Water m	Inst.	Description	Legend	Level	Depth m	Depth m	Type & No.	Blows/Strength	% C425	W %	Wp %	W _L %	D ₁₀ Mg/m ³	C _u kWh/m ²					
				Made Ground (Flexible Surfacing)			0.15														
				Made Ground (Brick rubble)			0.25														
				Made Ground (Brown silty clayey fine-coarse sand with occasional fine-coarse rounded flint gravel and occasional fine gravel sized brick fragments)			0.50		D1												
				Red brown silty fine-coarse SAND with some fine-coarse rounded flint gravel (Crag)			0.80		D2												
				Yellow brown silty clayey fine-coarse SAND with occasional fine-coarse rounded flint gravel (Crag)			1.10		D3												
				Fine mottled light grey and orange brown (silty) slightly sandy CLAY with occasional fine-coarse subangular flint gravel (Crag)			1.60		D4												
							2.00-2.45		C1	N=10										Poor sample recovery between 2.00 and 3.00m	
							2.40		D5												
							2.60		D6												
				Light grey brown silty fine-coarse SAND and occasional fine-medium rounded flint gravel (Crag)			2.80													Groundwater seepage recorded at 2.60m	
28/02/05							3.00													Window sampler hole complete at 3.00m	
Water Level observations during boring, depths below GL		WATER		SAMPLE KEY		TEST KEY		BLOWS / STRENGTH		Fieldwork		By		Ph		Sheet 1 of 1		WS1			
Strike	Depth	Obs.	5min	10 min	15 min	20 min	1 First Strike	D Small disturbed sample	S Standard penetration test	N = N value	By	Ph	28/02/05	Log	Ph						
							2 Subsequent Strike	B Bulk disturbed sample	C Cone penetration test	26/150 blows, for 150mm, drive after seating											
							N - Overnight Depth	W Water sample	K Permeability test	26", blows for part or whole of seating drive only											
							C - Completion Depth	U Undisturbed sample	V In situ vane test	26 U sample blow count											
							S Seepage not rising	P Piston sample		V = Vane Strength - kWh/m ²											

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BGS ID: 18762227 : BGS Reference:
TM46NW29
British National Grid (27700) : 640080,269110
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Project		Client		Boring Methods		Hole No.	
FORMER COAL YARD, THURTELLS CORNER, ROWFORD, SUFFOLK		[REDACTED]		PERCUSSIVE WINDOW SAMPLER		WS2	
Ground Level		Coordinates		SAMPLING/IN SITU TEST		Sheet	
m.E. m.N.		m.E. m.N.		Type & No.		1 of 1	
WATER		STRATA		LAB TESTING		Job No.	
Date/Time at Depth	Depth of casing m	Inst.	Description	Level	Depth m	Blow Strength	OTHER TESTS AND NOTES
			Made Ground (Larmac)		0.07	J1	
			Made Ground (Dark brown silty fine-coarse sand with occasional fine-medium flint gravel and occasional fine brick and coal fragments)		0.20	D1	
			Made Ground (Brown silty clayey fine-coarse sand with fine-coarse rounded flint gravel, occasional gravel sized brick fragments and fine live roots)		0.40	D2	
					0.50	J2	
					0.90	D3	
			Brown silty clayey fine-coarse SAND with some fine-coarse subangular-rounded gravel and occasional cobbles of flint (Crag)		1.00		British Geological Survey
					1.50	D4	
			- with grey discoloration and strong hydrocarbon odour from 1.70m		1.80	J3	Window sampler hole collapsed to 1.60m after drilling to 2.00m
					1.90	D5	
			Firm-stiff light green grey [silty] CLAY with hydrocarbon odour (Crag)		2.10		
					2.30	J4	No groundwater recorded during fieldwork
					2.40	D6	
					2.80	D7	
					2.90	J5	Window sampler hole complete at 3.00m

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Water Level observations during boring, depths below GL				WATER		SAMPLE KEY		TEST KEY		BLOWS / STRENGTH		Fieldwork	
Strike	Depth	5min	15min	1	2	D	S	C	N	26/150	26*	U	V
	Obs.			First Strike	Subsequent Strike	Small disturbed sample	Standard penetration test	Cone penetration test	N=N value	blows for 150mm, drive after seating	blows for part or whole of seating drive only	Undisturbed sample	In situ vane test
	20 min			Oversight Depth	Completion Depth	Bulk disturbed sample	Cone penetration test	Permeability test	(26) U sample blow count	V = Vane Strength - kN/m ²		Seepage not rising	
													By PH
													Dates 28/02/05
													Log PH



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BGS ID: 18762230 : BGS Reference:
TM46NW32
British National Grid (27700) : 640100,269100
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<< < Prev Page 1 of 2 Next > >>

Project		Client		Boring Methods		Hole No.	
FINNES COAL YARD, THARTLETS CORNER, YORFORD, SUFFOLK		[REDACTED]		PERCUSSIVE WINDOW SAMPLER		WS5	
Ground Level		Coordinates		SAMPLING/IN SITU TEST		LAB TESTING	
m.E. m.N.		m.E. m.N.		Type & No.		Blows/Strength	
Date/Time at Depth	Depth of Casing m	Depth to Water m	Inst.	Description	Legend	Level	Depth m
				Made Ground (Tarmac)			0.05
				Made Ground (Concrete)			0.20
				Made Ground (Dark grey silty clayey fine-coarse sand with occasional fine-medium flint gravel, occasional gravel sized coal and brick fragments and some white calcareous material)			0.40
				Orange brown silty clayey fine-coarse SAND with occasional to rare fine-coarse rounded flint gravel (Crag)			0.70
				Loose light yellow brown silty clayey fine-coarse SAND and fine-coarse flint gravel with gravel sized chalk fragments (Crag)			1.10
				Yellow silty fine-coarse SAND and fine-coarse subangular rounded flint GRAVEL with occasional cobbles of flint (Crag)			1.40
				STIFF light brown (silty) sandy CLAY and some fine-medium subangular flint gravel, fine-medium chalk fragments and some decaying roots (Crag)			1.60
							2.40
				Firm light grey clayey SILT (Crag)			2.80
							3.00
28/02/05			WET C				

Water Level observations during boring, depths below GL	WATER	SAMPLE KEY	TEST KEY	BLOWS / STRENGTH	Fieldwork
Strike	Depth Obs.	Depth after	15 min	20 min	By
					PH
					Dates
					28/02/05
					Log
					PH

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BGS ID: 18762231 : BGS Reference:
TM46NW33
British National Grid (27700) : 640090,269080
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Project FORMER COAL YARD, THARTELLS CORNER, YONFORD, SUFFOLK British Geological Survey		Client [REDACTED] British Geological Survey		Boring Methods PERCUSSIVE WINDOW SAMPLER British Geological Survey		Hole No. WS6 Sheet 1 of 1 Job No 9556									
Ground Level		Coordinates m.E. m.N.		STRATA		SAMPLING/IN SITU TEST		LAB TESTING		OTHER TESTS AND NOTES					
Date/Time at Depth	WATER		Description	Legend	Level	Depth m	SAMPLING/IN SITU TEST		LAB TESTING				OTHER TESTS AND NOTES		
	Depth of Casing m	Depth to Water m					Depth m	Type & No.	Blows/ Strength	% I <425	W %	W _p %		W _s %	D ₃₀ mm
28/02/05 British Geological Survey	DRY, C		Made Ground (weak concrete)			0.07									
			Made Ground (Firm dark grey (silty) sandy clay with some fine-coarse rounded flint gravel and occasional gravel sized brick and coal fragments)			0.50	D1								
			Firm dark green grey slightly sandy CLAY with occasional fine-medium rounded flint gravel (Crag)			1.10	D2								Window sampler hole collapsed to 0.70m after drilling to 1.10m
			Well-sorted light grey, brown and green silty fine-coarse SAND with some fine-coarse subangular-rounded flint gravel and some fine chalk fragments (Crag)			1.40	D4			100	39	21	56		British Geological Survey
			Firm light grey (silty) CLAY with occasional fine chalk fragments (Crag)			1.90	D5								Window sampler hole collapsed to 1.60m after drilling to 2.00m
						2.00-2.45	C1	N=12							Window sampler hole collapsed to 2.00m after drilling to 3.00m
						2.40	D6								No groundwater recorded during fieldwork
				3.00	D7								Window sampler hole complete at 3.00m		
Water Level observations during boring, depths below CL		WATER		SAMPLE KEY		TEST KEY		BLOWS / STRENGTH		Fieldwork		MS6			
Strike	Depth	Depth after		D 1 First Strike	S Standard penetration test	N = N value	By	N = N value		PH		Sheet 1 of 1			
Obs.	5min	10 min	15 min	2 Subsequent Strike	B Bulk disturbed sample	26/150 blows, for 150mm, drive after seating	Dates	26*, blows for part or whole of seating drive only		28/02/05		Log			
				N - Overnight Depth	C Cone penetration test	(25) U sample blow count		V = Vane Strength - kN/m ²		PH		E8888 (6) 1-10 (6) 1-10 (6) 1-10 (6) 1-10			
				C - Completion Depth	K Permeability test										
				S Seepage not rising	U Undisturbed sample										
					P Piston sample										



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 18762232 : BGS Reference:
TM46NW34
British National Grid (27700) : 640060,269090
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Project		Client		Boring Methods		Hole No.												
FORMER COAL HAD. THURTELLS CORNER, YOXFORD, SUFFOLK		[REDACTED]		PERCUSSIVE WINDOW SAMPLER		WS7												
Ground Level		Coordinates		SAMPLING/IN SITU TEST		OTHER TESTS AND NOTES												
WATER		STRATA		LAB TESTING														
Date/Time at Depth	Depth of Casing m	Depth to Water m	Inst.	Description	Legend	Level	Depth m	Depth m	Type & No.	Blows/Strength	% <425	W %	W _p %	W _s %	ρ _s Mg/m ³	C _u kN/m ²		
				Made Ground (weak concrete)			0.15	0.30	D1									
				Made Ground (Grey silty clayey fine-coarse sand with some fine-coarse flint gravel, some gravel sized brick fragments and roots <5mm diameter)			0.40	0.50	D2									
				Made Ground (Fine dark green grey (silty) sandy clay with occasional fine-coarse rounded flint gravel, some gravel sized brick fragments and roots <3mm diameter)			0.60	0.80	D3									
				Fine dark green grey (silty) sandy CLAY with occasional fine-coarse rounded flint gravel and roots <3mm diameter (Crag)			1.00	1.00-2.00	D4									
				Fine dark green grey slightly sandy CLAY with roots <3mm diameter (Crag)														
				Green grey silty coarse SAND and occasional fine-coarse rounded flint gravel with roots <3mm diameter (Crag)			2.00	2.40	D5									
							2.90	2.90	D6									
28/02/05			NET C				3.00											

Water level observations during boring, depths below GL		WATER		SAMPLE KEY		TEST KEY		BLOWS / STRENGTH		Fieldwork	
Strike	Depth Obs.	5 min	10 min	15 min	20 min	▼ 1 First Strike	□ 2 Subsequent Strike	D Small disturbed sample	S Standard penetration test	N = N value	By
						N - Overnight Depth	C - Completion Depth	B Bulk disturbed sample	C Cone penetration test	26/150 blows, for 150mm, drive after seating	PH
						C - Completion Depth	S - Seepage not rising	W Water sample	K Permeability test	25 * , blows for part or whole of seating drive only	Dates
						U Undisturbed sample		U Undisturbed sample	V In situ vane test	(26) U sample blow count	28/02/05
						P Piston sample		P Piston sample	V = Vane Strength - kN/m ²		Log
											PH

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BGS ID: 18762234 : BGS Reference:
TM46NW35
British National Grid (27700) : 640110,269070
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Project: EDGER COAL YARD, THURTELLS CORNER, WYKERR, SUFFOLK		Client: British Geological Survey		Boring Methods: PERCUSSIVE WINDOW SAMPLER		Hole No. WS8										
Ground Level		Coordinates: m.E. m.N.		Engineer		Sheet 1 of 1 Job No 9556										
WATER		STRATA			SAMPLING/IN SITU TEST		LAB TESTING		OTHER TESTS AND NOTES							
Date/Time at Depth	Depth of Casing m	Depth to Water m	Instr.	Description	Legend	Level	Depth m	Type & No.		Blows/Strength	% W	W _p %	W _v %	D ₁₀ Mg/m ³	C _u kN/m ²	
28/02/05	DRY C			Made Ground (Compacted coal)			0.00-0.10	D1							Window sampler hole collapsed to 0.90m after drilling to 1.0m Window sampler hole collapsed to 1.60m after drilling to 2.00m Window sampler hole collapsed to 1.70m after drilling to 3.00m No groundwater recorded during fieldwork. Window sampler hole complete at 3.00m 25mm diameter HDPE slotted pipe with granular surround was installed to 3.00m	
				Made Ground (Brown silty fine-coarse sand and fine-coarse subangular-subrounded flint gravel with occasional gravel sized brick fragments)			0.40	D2								
				Made Ground (dark grey green silty fine-coarse sand with occasional fine-coarse flint gravel and brick, coal and granite fragments)				0.60	D3							
				Firm dark green grey (silty) sandy CLAY with occasional fine-coarse rounded flint gravel and some fine live roots (Crag)				1.10	D4							
				Grey silty fine-coarse SAND with occasional fine-coarse subangular-rounded flint gravel and some fine chalk fragments (Crag)				1.70	D5							
				Brown silty coarse SAND with some fine-coarse rounded flint gravel and many fine-medium gravel sized chalk fragments (Crag)				2.00	D6							
								2.40	D7							
							2.70									
							3.00									

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Water Level observations during boring, depths below GL		WATER		SAMPLE KEY		TEST KEY		BLOWS / STRENGTH		Fieldwork	
Strike	Depth	Obs.	Emin	10 min	15 min	20 min	1 First Strike 2 Subsequent Strike N - Overnight Depth C - Completion Depth S - Seepage not rising	D Small disturbed sample B Bulk disturbed sample W Water sample U Undisturbed sample P Piston sample	S Standard penetration test C Cone penetration test K Permeability test V In situ vane test	N = N value 26/150 blows, for 150mm, drive after seating 26 * blows for part or whole of seating drive only (26) U sample blow count V = Vane Strength - kN/m ²	By PH Dates 28/02/05 Log PH

NOT PROTECTIVELY MARKED

Appendix D. Site Visit Photographs

NOT PROTECTIVELY MARKED

Date: 19/03/19

Project: Sizewell C Site Walkover, Yoxford Roundabout

Comments

View of the south west of the site, looking west along the B1122 towards the existing junction with the A12.



Date: 19/03/19

Project: Sizewell C Site Walkover, Yoxford Roundabout

Comments

View of the west of the site, looking west, along the A12.



Date: 19/03/19	Project: Sizewell C Site Walkover, Yoxford Roundabout
Comments	
View of the centre of site and off-site pond beyond, looking north from the B1122.	

Date: 19/03/19	Project: Sizewell C Site Walkover, Yoxford Roundabout
Comments	
View of the north of site, looking north east along the A12.	

Date: 19/03/19

Project: Sizewell C Site Walkover, Yoxford Roundabout

Comments

View of the east of site with The Piggeries farm beyond, looking north east from the B1122.



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Appendix E. Zetica UXO Report

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UNEXPLODED BOMB RISK MAP



SITE LOCATION

Location: IP17 3LE,
Map Centre: 639853,268691



LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military
- industry
- UXO find
- transport
- dock
- Luftwaffe targets
- utilities
- other

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: uxo@zetica.com

web: www.zeticauxo.com

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

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It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

Appendix F. Definitions of Probability and Consequence

Table F.1 - Risk estimation - classification of probability

Classification	Definition of the probability of harm / pollution occurring
High Likelihood	The contaminant linkage exists and it is very likely to result in harm / pollution in the short term, and/or will almost inevitably result in harm / pollution in the long term, and/or there is current evidence of harm/pollution. Likelihood is defined as more likely than not and meets the definition of 'significant possibility' within Part 2A Contaminated Land Statutory Guidance.
Likely	The source, pathway and receptor exist for the contaminant linkage and it is probable that harm / pollution will occur. Circumstances are such that harm / pollution is not inevitable, but possible in the short term and likely over the long term. Likelihood is defined as reasonably possible and meets the definition of 'significant possibility' within Part 2A Contaminated Land Statutory Guidance.
Low Likelihood	The source, pathway and receptor exist and it is possible that harm / pollution could occur. Circumstances are such that harm/pollution is by no means certain in the long term and less likely in the short term.
Unlikely	The source, pathway and receptor exist for the contaminant linkage but it is improbable that harm / pollution will occur even in the long term.

Table F.2 - Risk estimation - classification of consequence

Classification	Definition of consequence
Human Health Receptors – Site end user or other sensitive receptor	
Severe	Acute damage to human health based on the effects on the critical human receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Medium	Chronic damage to human health based on the effects on the critical human receptor. Concentrations of contaminants above appropriate site-specific assessment criteria. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	No appreciable impact on human health based on the potential effects on the critical human receptor. Concentrations of contaminants above generic assessment criteria but below appropriate site-specific assessment criteria.
Minor	No appreciable impact on human health based on the effects on the critical human receptor. Concentrations of contaminants below appropriate generic assessment criteria.
Human Health Receptors – Site construction workers	
Severe	Exposure to hazardous substances resulting in a reportable death, major injury, 3-day injury or illness/disease under RIDDOR.
Medium	Exposure to hazardous substances resulting in a dangerous occurrence reportable under RIDDOR. Exposure to hazardous substances resulting in exceedance of a workplace exposure limit.

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Classification	Definition of consequence
Mild	Exposure to hazardous substances resulting in limited effects such as headache, dizziness, nausea. Exposures below the workplace exposure limits. Not reportable under RIDDOR.
Minor	Minor exposure to hazardous substance resulting in no appreciable ill health effects.
Controlled Water Receptors	
Severe	Pollution of a Principal Aquifer within a source protection zone or potable supply characterised by a breach of drinking water standards. Pollution of a surface water course characterised by a breach of an Environmental Quality Standard (EQS) at a statutory monitoring location or resulting in a change in General Quality Assessment (GQA) grade of river reach. Discharge of a List I or List II substance to groundwater. Pollution meets Part 2A Contaminated Land Statutory Guidance definition.
Medium	Pollution of a Principal Aquifer outside a source protection zone or a Secondary A Aquifer characterised by a breach of drinking water standards. Pollution of an industrial groundwater abstraction or irrigation supply that impairs its function. Substantial pollution but insufficient to result in a change in the GQA grade of river reach Pollution meets Part 2A Contaminated Land Statutory Guidance definition.
Mild	Low levels of pollution of a Principal Aquifer outside a source protection zone or an industrial abstraction, or pollution of a Secondary Aquifer. Low levels of pollution insufficient to result in a change in the GQA grade of river reach, pollution of a surface water course without a quality classification.
Minor	No appreciable pollution, or pollution of a low sensitivity receptor such as a non-aquifer or a surface water course without a quality classification
Property Receptors – Buildings, Foundations and Services	
Severe	Catastrophic damage to buildings, such as explosion. Catastrophic failure of foundations and services. Substantial damage to a Scheduled Monument significantly impairing the by reason of which the monument is scheduled. Harm meets definition of ‘significant harm’ within Part 2A Contaminated Land Statutory Guidance.
Medium	Substantial damage to buildings and foundations rendering the structures unsafe. Substantial damage to services impairing their function. Significant damage to a Scheduled Monument significantly impairing the reason of which the monument is scheduled. Harm meets definition of ‘significant harm’ within Part 2A Contaminated Land Statutory Guidance.
Mild	Significant damage to buildings and foundations but not resulting in them being unsafe for occupation. Damage to services but not sufficient to impair their function. Damage to a Scheduled Monument but no significant impairment to the reason of which the monument is scheduled.
Minor	Easily repairable damage to buildings, foundations and services.
Property Receptors – Crops and Livestock and Ecological Receptors	
Severe	Substantial loss in the value of crops or domestically-grown produce. Death to livestock, domesticated animals or wild animals subject to shooting or fishing rights. Harm meets definition of ‘significant harm’ within Part 2A Contaminated Land Statutory Guidance.
Medium	Substantial diminution in yield (over 20% reduction) of crops or domestically-grown produce. Serious disease or other serious physical damage to livestock,

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Classification	Definition of consequence
	domesticated animals or wild animals subject to shooting or fishing rights. Harm meets definition of 'significant harm' within Part 2A Contaminated Land Statutory Guidance.
Mild	Harm to crops but not resulting in a substantial loss in value or diminution in yield (less than 20% reduction). Limited harm in terms of disease or other physical damage to livestock, domesticated animals or wild animals subject to shooting or fishing rights.
Minor	No appreciable harm, or harm to a low sensitivity receptor.

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VOLUME 7, CHAPTER 11, APPENDIX 11B : CONCEPTUAL SITE MODELS

Contents

1. Conceptual Site Models 1

Tables

Table 1.1: Construction phase conceptual site model 1
Table 1.2: Operation phase conceptual site model 5

Plates

None provided.

Figures

None provided.

1. Conceptual Site Models

Table 1.1: Construction phase conceptual site model.

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.		
			Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
<p>On-site: Made Ground associated with the construction of the existing roads including A12 and B1122 as well as activities associated with their operation: A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. Farmland within site boundary. Potential for unmapped farmers tips: Risk of inorganic and organic contamination including metals and hydrocarbons, Polychlorinated Biphenyls (PCBs), asbestos, herbicides, pesticides, silage, effluent, and fuel oils.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Low likelihood.	Mild	Low risk.	Receptor not present.	--	--	<p>Intrusive ground investigation undertaken post planning to inform the detailed design and confirm the ground conditions and contamination status of the site including soil and groundwater sampling and monitoring. Remediation of soil and groundwater contamination prior to construction (e.g. source removal, treatment or capping) if deemed necessary.</p>	Receptor not present.	--	--
		Construction / maintenance workers.	Low likelihood.	Mild	Low risk.	Low likelihood.	Mild	Low risk.		Unlikely	Mild	Very low risk.
		Current pedestrians and road users using existing roads and footpaths within the site.	Low likelihood.	Mild	Low risk.	Low likelihood.	Mild	Low risk.		Unlikely	Mild	Very low risk.
		Pedestrians and road users using future roads, footpaths and new roundabout within the site.	Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
	Human health: Off-site.	Occupants of residential and commercial properties in the surrounding area.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.		Unlikely	Minor	Very low risk.
		Pedestrians accessing surrounding roads and footpaths.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.		Unlikely	Minor	Very low risk.
		Farmers and workers on agricultural land.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.		Unlikely	Minor	Very low risk.
	Controlled Waters.	Principal Bedrock and Superficial	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate / low risk.		Unlikely	Mild	Very low risk.

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Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.			
			Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.	
		undifferentiated aquifers.	Unlikely	Medium	Low risk.	Low likelihood.	Medium	Moderate / low risk.		Unlikely	Mild	Very low risk.	
		Surface water bodies including ponds near site and River Yox', ponds, ditches and drains off-site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Unlikely	Minor	Very low risk.	Unlikely	Mild		Very low risk.	Unlikely	Minor	Very low risk.
			Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Minor	Very low risk.	Unlikely	Mild		Very low risk.	Unlikely	Minor	Very low risk.
	Property / services.	Existing on-site and off-site services and structures (including listed buildings).	Direct contact of contaminants in soil and / or groundwater with existing buried service.	Unlikely	Minor	Very low risk.	Unlikely	Mild		Very low risk.	Unlikely	Minor	Very low risk.
			Migration of contaminated groundwater, ground gas and / or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Unlikely	Mild	Very low risk.	Unlikely	Mild		Very low risk.	Unlikely	Minor	Very low risk.
		Proposed on-site services and structures	Direct contact of contaminants in soil and / or groundwater with existing buried service.	Receptor not present.	--	--	Receptor not present.	--		--	Receptor not present.	--	--

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.			
			Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.	
		associated with the site.	Receptor not present.	--	--	Receptor present.	not	--	--	Receptor present.	not	--	--
		Crops and livestock (on-site).	Unlikely	Mild	Very low risk.	Receptor present.	not	--	--	Receptor present.	not	--	--
		Crops and livestock (off-site).	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.	Very low risk.	Unlikely	Mild	Very low risk.	
	Ecological receptors.	Sandy Stilt Puffball (off-site fungi).	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.	Very low risk.	Unlikely	Mild	Very low risk.	
Off-site: Yoxford Sewage Works (approximately 100 metres (m) east) and historic septic tank (approximately 200m south). Farms including piggeries within 500m of the site. Potential for unmapped farmers tips. Made Ground associated with the construction of the roads off-site including A12 Road, and B1122 Road. East Suffolk line approximately 250m east.	Human health: On-site.	Current pedestrians and road users using existing roads and footpaths within the site.	Unlikely	Mild	Very low risk.	Low likelihood.	Mild	Low risk.	Low risk.	Unlikely	Mild	Very low risk.	
		Pedestrians and road users using future roads, roundabout and footpaths within the site.	Receptor not present.	--	--	Receptor present.	not	--	--	Receptor present.	not	--	--
		Construction maintenance workers.	Low likelihood.	Mild	Low risk.	Low likelihood.	Mild	Low risk.	Low risk.	Unlikely	Mild	Very low risk.	
	Farmers and workers on agricultural land.	Unlikely	Mild	Very low risk.	Receptor present.	not	--	--	Receptor present.	not	--	--	
Controlled Waters.	Principal Bedrock and Superficial	Leaching of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Medium	Low risk.	Unlikely	Medium	Low risk.		

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline			Construction with Primary and Tertiary Mitigation.			Secondary Mitigation Measures.	Construction with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.		Probability	Consequence	Risk Category.
Former Coal Yard 250m north. A range of inorganic and organic contaminants including hydrocarbons, Polycyclic Aromatic Hydrocarbons (PAHs), metals, bacterial contaminants, herbicides, pesticides, silage effluent, and ash and fill. Fuels and oils attributed to spills from vehicles on the roads, plus exhaust particulates.		undifferentiated aquifers.	Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Medium	Low risk.		Unlikely	Medium	Low risk.
	Property / services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and / or vapours along strata and preferential pathways.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.		Unlikely	Minor	Very low risk.
		Proposed on-site services and structures.		Receptor not present.	--	--	Receptor not present.	--	--		Receptor not present.	--	--
		Crops and livestock (on-site).	Migration of contaminated waters / dust / fibres and subsequent uptake by crops or ingestion / inhalation / dermal contact by livestock.	Unlikely	Mild	Very low risk.	Receptor not present.	--	--		Receptor not present.	--	--

Table 1.2: Operation phase conceptual site model.

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation (Assumed all Mitigation Proposed During Construction is Undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.			
			Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	
<p>On-site: Made Ground associated with the construction of the existing roads including A12 and B1122 as well as activities associated with their operation: Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. A range of inorganic and organic contaminants including the potential for asbestos. Farmland within site boundary. Potential for unmapped farmers tips: Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Low likelihood.	Mild	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
		Construction / maintenance workers.	Inhalation of contaminants in soil, soil-derived dust, fibres and vapours.	Low likelihood.	Mild	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
		Current pedestrians and road users using existing roads and footpaths within the site.		Low likelihood.	Mild	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
		Pedestrians and road users using future roads, roundabout and footpaths within the site.	Receptor not present.	--	--	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.	
	Human health: Off-site.	Occupants of residential and commercial properties in the surrounding area.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas / vapour which may have migrated off-site.	Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Farmers and workers on agricultural land.		Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
	Controlled Waters.	Principal Bedrock and Superficial undifferentiated aquifers.	Leaching / migration of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular	Unlikely	Medium	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.

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Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation (Assumed all Mitigation Proposed During Construction is Undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.		
			Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.
		material to groundwater in underlying aquifers.									
	Surface water bodies including ponds near site and River Yox, ponds, ditches and drains off site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
Property services	Existing on-site and off-site services and structures.	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Migration of contaminated groundwater, ground gas and / or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
	Proposed on-site services and structures associated with the site.	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Migration of contaminated groundwater, ground gas and / or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present.	--	--	Unlikely	Mild	Very Low risk.	Unlikely	Mild	Very Low risk.
	Crops and livestock (on-site).	Migration of contaminated waters / dust / fibres and subsequent uptake by crops or ingestion / inhalation / dermal contact by livestock.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
	Crops and livestock (off-site).	Migration of contaminated waters / dust / fibres and subsequent uptake by crops or ingestion / inhalation / dermal contact by livestock.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation (Assumed all Mitigation Proposed During Construction is Undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.		
				Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.
	Ecological receptors.	Sandy Stilt Puffball (off-site fungi).	Migration of contaminated waters/dust/fibres and subsequent uptake by fungi.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
<p>Off-site: Yoxford Sewage Works (approximately 100m east) and historic septic tank (approximately 200m south).</p> <p>Farms including piggeries within 500m of the site. Potential for unmapped farmers tips.</p> <p>Made Ground associated with the construction of the roads off-site including A12 Road, and B1122 Road.</p> <p>East Suffolk line approximately 250m east.</p> <p>Former Coal Yard 250m north.</p> <p>A range of inorganic and organic contaminants including hydrocarbons, PAHs, metals, bacterial contaminants, herbicides, pesticides, silage effluent, and ash and fill. Fuels and oils attributed to spills from vehicles on the roads, plus exhaust particulates.</p>	Human health: On-site.	Current pedestrians and road users using existing roads and footpaths within the site.	<p>Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated onto site.</p> <p>Inhalation of contaminants in soil, soil-derived dust, fibres and vapours which may have migrated onto site.</p>	Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Pedestrians and road users using future roads, roundabout and footpaths within the site.		Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Construction maintenance workers.		Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Farmers and workers on agricultural land.		Unlikely	Mild	Very low risk.	Receptor not present.	--	--	Receptor not present.	--	--
	Controlled Waters.	Principal Bedrock and Superficial undifferentiated aquifers.	Leaching of contaminants in soil to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Unlikely	Medium	Low risk.	Unlikely	Mild	Very low risk.	Unlikely	Mild	Very low risk.
	Property services /	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Unlikely	Mild	Very low risk.	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Proposed on-site services and structures.		Receptor not present.	--	--	Unlikely	Minor	Very low risk.	Unlikely	Minor	Very low risk.
		Crops and livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by	Unlikely	Mild	Very low risk.	Receptor not present.	--	--	Receptor not present.	--	--

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline			Operation with Primary and Tertiary Mitigation (Assumed all Mitigation Proposed During Construction is Undertaken).			Operation with Primary, Tertiary and Secondary Mitigation.		
			Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.	Probability	Consequence	Risk Category.
		crops or ingestion/ inhalation/ dermal contact by livestock.									



VOLUME 7, CHAPTER 11, APPENDIX 11C : IMPACT ASSESSMENT TABLES

Contents

1. Impact Assessment Tables..... 1

Tables

Table 1.1: Construction phase impact assessment. 1
Table 1.2: Operational phase impact assessment. 4

Plates

None provided.

Figures

None provided.

1. Impact Assessment Tables

Table 1.1: Construction phase impact assessment.

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline (current) Risk Assessment.	Construction Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation Measures.	Construction Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.		
<p>On-site: Made Ground associated with the construction of the existing roads including A12 and B1122 as well as activities associated with their operation:</p> <p>A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates.</p> <p>Farmland within site boundary. Potential for unmapped farmers tips:</p> <p>Risk of inorganic and organic contamination including metals and hydrocarbons, Polychlorinated Biphenyls (PCB), asbestos, etc. Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Low risk.	Receptor not present.	<p>Intrusive ground investigation undertaken post planning to inform the detailed design and confirm the ground conditions and contamination status of the site including soil and groundwater sampling and monitoring.</p> <p>Remediation of soil and groundwater contamination prior to construction (e.g. source removal, treatment or capping) if deemed necessary.</p>	Receptor not present.	Negligible ¹		
		Construction / maintenance workers.	Inhalation of contaminants in soil, soil-derived dust, fibres and vapours.	Low risk.	Low risk.		Negligible	Very low risk.	Minor beneficial.	
		Current pedestrians and road users using existing roads and footpaths within the site.		Low risk.	Low risk.		Negligible ²	Very low.	Minor beneficial.	
		Pedestrians and road users using future roads, footpaths and new roundabout within the site.		Receptor not present.	Receptor not present.		Negligible	Receptor not present.	Negligible	
	Human health: Off-site.	Occupants of residential and commercial properties in the surrounding area.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Very low risk.	Very low risk.		Negligible	Very low risk.	Negligible	
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapour which may have migrated off-site.	Very low risk.	Very low risk.		Negligible		Very low risk.	Negligible
		Farmers and workers on agricultural land.		Very low risk.	Very low risk.		Negligible		Very low risk.	Negligible
	Controlled Waters.	Principal Bedrock and Superficial Undifferentiated aquifers.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Moderate / low risk.		Minor adverse.	Very low risk.	Minor beneficial.	
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Moderate / low risk.		Minor adverse.		Minor beneficial.	
		Surface water bodies including ponds near site	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Very low risk.	Very low risk.		Negligible		Very low risk.	Negligible

² Removal of this receptor at construction automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to neutral.

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline (current) Risk Assessment.	Construction Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation Measures.	Construction Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
		and River Yox, ponds, ditches and drains off-site.	Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.	Very low risk.	Very low risk.	Negligible		Very low risk. Negligible
	Property / services.	Existing on-site and off-site services and structures.	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Very low risk.	Very low risk.	Negligible		Very low risk. Negligible
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Very low risk.	Very low risk.	Negligible		Very low risk. Negligible
		Proposed on-site services and structures associated with the site.	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present.	Receptor not present.	Negligible		Receptor not present. Negligible
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present.	Receptor not present.	Negligible		Receptor not present. Negligible
		Crops and livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ¹		Receptor not present. Negligible ¹
		Crops and livestock (off-site).		Very low risk.	Very low risk.	Negligible		Very low risk. Negligible
	Ecological receptors off-site.	Non-statutory designation for fungi: Sandy Stilt Puffball (off-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by fungi.	Very low risk.	Very low risk.	Negligible		Very low risk. Negligible
Off-site: Yoxford Sewage Works (approximately 100 meters (m) east) and historic septic tank (approximately 200m south) Farms including piggeries within 500m of the site. Potential for unmapped farmers tips. Made Ground associated with the construction of the roads off-site including A12 Road, and B1122 Road.	Human health: On-site.	Current pedestrians and road users using existing roads and footpaths within the site.	Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated onto site. Inhalation of contaminants in soil, soil-derived dust, fibres and vapours which may have migrated onto site.	Very low risk.	Low risk.	Minor adverse.		Very low risk. Negligible
		Pedestrians and road users using future roads, roundabout and footpaths within the site.		Receptor not present.	Receptor not present.	Negligible		Receptor not present. Negligible
		Construction and maintenance workers.		Low risk.	Low risk.	Negligible		Very low risk. Minor beneficial.
		Farmers and workers on agricultural land.		Very low risk.	Receptor not present.	Negligible ¹		Receptor not present. Negligible ¹
	Controlled Waters.		Leaching of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Low risk.	Negligible		Low risk. Negligible

NOT PROTECTIVELY MARKED

Source	Receptor		Contaminant Exposure / Migration Pathway.	Baseline (current) Risk Assessment.	Construction Phase Risk Assessment (with Primary and Tertiary Mitigation Measures).	Classification of Effect.	Secondary Mitigation Measures.	Construction Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation Measures).	Residual Effects.
<p>East Suffolk Line approximately 250m east.</p> <p>Former Coal Yard 250m north.</p> <p>A range of inorganic and organic contaminants including hydrocarbons, Polycyclic Aromatic Hydrocarbons (PAH), metals, bacterial contaminants, herbicides, pesticides, silage effluent, and ash and fill. Fuels and oils attributed to spills from vehicles on the roads, plus exhaust particulates.</p>		Principal Bedrock and Secondary Undifferentiated aquifers.	Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Low risk.	Negligible		Low risk.	Negligible
	Property / services	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible		Very low risk.	Negligible
		Proposed on-site services and structures.		Receptor not present.	Receptor not present.	Negligible		Receptor not present.	Negligible
		Crops and livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ¹		Receptor not present.	Negligible ¹

Table 1.2: Operational phase impact assessment.

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline (current) Risk Assessment.	Operation Phase Risk Assessment (with Primary and Tertiary Mitigation Measures Assuming all Mitigation Proposed During Construction Undertaken).	Classification of Effect.	Operational Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation).	Residual Effects.	
<p>On-site: Made Ground associated with the construction of the existing roads including A12 and B1122 as well as activities associated with their operation:</p> <p>Fuels and oils attributed to spills from vehicles on the roads included within the site boundary, plus exhaust particulates. A range of inorganic and organic contaminants including the potential for asbestos.</p> <p>Farmland within site boundary. Potential for unmapped farmers tips:</p> <p>Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.</p>	Human health: On-site.	Farmers and workers on agricultural land.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
		Construction / maintenance workers.	Inhalation of contaminants in soil, soil-derived dust, fibres and vapours.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
		Current pedestrians and road users using existing roads and footpaths within the site.		Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
		Pedestrians and road users using future roads, roundabout and footpaths within the site.	Receptor not present.	Very low risk.	Negligible ³	Very low risk.	Negligible ³	
	Human health: Off-site.	Occupants of residential and commercial properties in the surrounding area.	Dermal contact with and ingestion of contaminants in soil, soil-derived dust and water which may have migrated off-site.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Pedestrians accessing surrounding roads and footpaths.	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapour which may have migrated off-site.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Farmers and workers on agricultural land.		Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
	Controlled Waters.	Principal Bedrock and Superficial Undifferentiated aquifers.	Leaching/migration of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
		Surface water bodies including ponds near site and River Yox, ponds, ditches and drains off site.	Lateral migration of contaminated groundwater with discharge to surface watercourses as base flow.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
Discharge of contaminants entrained in surface water run-off followed by overland flow and discharge.			Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible	
Property / services.	Existing on-site and off-site services and structures.	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible	

³ Introduction of this receptor at operation automatically triggers a minor adverse effect. However, professional judgement has been exercised and this effect has been reduced to neutral.

NOT PROTECTIVELY MARKED

Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline (current) Risk Assessment.	Operation Phase Risk Assessment (with Primary and Tertiary Mitigation Measures Assuming all Proposed Construction is Undertaken).	Classification of Effect.	Operational Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation).	Residual Effects.	
		Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible	
		Proposed on-site services and structures associated with the site.	Direct contact of contaminants in soil and/or groundwater with existing buried service.	Receptor not present.	Very low risk.	Negligible ³	Very low risk.	Negligible ³
			Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways such as service routes or differentially permeable strata.	Receptor not present.	Very low risk.	Negligible ³	Very Low risk.	Negligible ³
		Crops and livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Crops and livestock (off-site).		Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
	Ecological receptors Off site.	Non-statutory designation for fungi: Sandy Stilt Puffball (off site).	Migration of contaminated waters/dust/fibres and subsequent uptake by fungi.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
Off-site: Yoxford Sewage Works (approximately 100m east) and historic septic tank (approximately 200m south). Farms including piggeries within 500m of the site. Potential for unmapped farmers tips. Made Ground associated with the construction of the	Human health: On-site.	Current pedestrians and road users using existing roads and footpaths within the site.		Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Pedestrians and road users using future roads, roundabout and footpaths within the site.	Dermal contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated onto site.	Receptor not present.	Very low risk.	Negligible ³	Very low risk.	Negligible ³
		Construction maintenance workers.	Inhalation of contaminants in soil, soil-derived dust, fibres and vapours which may have migrated onto site.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Farmers and workers on agricultural land.		Very low risk.	Receptor not present.	Negligible ⁴	Receptor not present.	Negligible ⁴

⁴ Removal of this receptor at operation automatically triggers a minor beneficial effect. However, professional judgement has been exercised and this effect has been reduced to neutral.

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Source	Receptor	Contaminant Exposure / Migration Pathway.	Baseline (current) Risk Assessment.	Operation Phase Risk Assessment (with Primary and Tertiary Mitigation Measures Assuming all Mitigation Proposed During Construction Undertaken).	Classification of Effect.	Operational Phase Risk Assessment (with Primary, Tertiary and Secondary Mitigation).	Residual Effects.	
<p>roads off-site including A12 Road, and B1122 Road.</p> <p>East Suffolk Line approximately 250m east.</p> <p>Former Coal Yard 250m north.</p> <p>A range of inorganic and organic contaminants including hydrocarbons, PAHs, metals, bacterial contaminants, herbicides, pesticides, silage effluent, and ash and fill. Fuels and oils attributed to spills from vehicles on the roads, plus exhaust particulates.</p>	Controlled Waters.	Principal Bedrock and Secondary Undifferentiated aquifers.	Leaching of contaminants in soil to groundwater in underlying aquifers.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
			Migration of contaminated water through preferential pathways such as underground services, pipes and granular material to groundwater in underlying aquifers.	Low risk.	Very low risk.	Minor beneficial.	Very low risk.	Minor beneficial.
	Property / services.	Existing on-site services and structures.	Migration of contaminated groundwater, ground gas and/or vapours along strata and preferential pathways.	Very low risk.	Very low risk.	Negligible	Very low risk.	Negligible
		Proposed on-site services and structures.		Receptor not present.	Very low risk.	Negligible ³	Very low risk.	Negligible ³
		Crops and livestock (on-site).	Migration of contaminated waters/dust/fibres and subsequent uptake by crops or ingestion/inhalation/dermal contact by livestock.	Very low risk.	Receptor not present.	Negligible ⁴	Receptor not present.	Negligible ⁴