



# The Sizewell C Project

## 6.10 Volume 9 Rail Chapter 11 Geology and Land Quality Appendices 11A - 11C Part 1 of 3

---

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: Green Rail Route

Phase 1 Desk Study Report

EDF Energy

January 2020



# Table of contents

Chapter	Page
Glossary of Abbreviations and Technical Terms	v
<b>1. Introduction</b>	<b>1</b>
1.1. General	1
1.2. Purpose and Structure of Report	1
1.3. Limitations	1
<b>2. Site Location and Description</b>	<b>2</b>
2.1. Proposed Development and Boundary	2
2.2. Site Location	2
2.3. Site Visit	2
2.4. Land Use	2
2.5. Site Boundaries	2
2.6. Surrounding Area	2
2.7. Ground Cover and Topography	2
2.8. Surface Water	2
2.9. Services	3
2.10. Visual / Olfactory Evidence of Contamination	3
2.11. Potential Hazards and / or Constraints	3
<b>3. Environmental Setting</b>	<b>4</b>
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. Hydrogeology	7
3.6. Hydrology	7
3.7. Substantiated Pollution Incident Register	8
3.8. Waste Management Sites	8
3.9. Pollution Prevention and Control Sites	8
3.10. Registered Radioactive Substances	8
3.11. Fuel Stations	8
3.12. Contemporary Trade Directories	8
3.13. Sensitive Land Uses	8
3.14. UXO	9
3.15. Other Relevant Information	9
3.16. Previous Ground Investigations	9
<b>4. Preliminary Conceptual Site Model (PCSM)</b>	<b>11</b>
4.1. Risk Estimation	11
4.2. Preliminary Conceptual Site Model (PCSM)	12
<b>5. Summary and Conclusions</b>	<b>18</b>
5.1. Data Gaps	18
5.2. Conclusions	18
<b>Appendix A. Drawings and Figures</b>	<b>23</b>
<b>Appendix B. Envirocheck Report</b>	<b>24</b>
<b>Appendix C. BGS Borehole Logs</b>	<b>25</b>

<b>Appendix D.</b>	<b>Zetica UXO Maps</b>	<b>26</b>
<b>Appendix E.</b>	<b>Planning applications</b>	<b>27</b>
<b>Appendix F.</b>	<b>Definitions of Probability &amp; Consequences</b>	<b>28</b>
<b>Appendix G.</b>	<b>Site Visit Photographs</b>	<b>31</b>

## Tables

Table 3.1	Summary of site history	4
Table 3.2	Ground stability conditions	6
Table 4.1	Definitions of estimate risk	12
Table 4.2	Estimation of the level of risk by comparison of consequence and probability	12
Table 4.3	Summary of potential sources of contamination	13
Table 4.4	Summary of potential receptors	13
Table 4.5	Preliminary Conceptual Site Model	16
Table 5.1	Recommendations for further investigation	18

## 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

# 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 schemes, a freight management facility and improvements to rail infrastructure and highways infrastructure.

This report is concerned with the proposed rail extension known as the Green Rail Route (referred to herein as the site) located approximately 500m north-east of Leiston and approximately 1.7km south-west of the Main Development Site. Further upgrades are planned to the East Suffolk Line and Saxmundham to Leiston Branch Line including the repair of the existing lines, construction of level crossings, signalling upgrades, strengthening works to a number of bridges and track crossovers. However, these upgrades do not form part of this Phase 1 Desk Study. The location of the site is shown in Figure 1 included in Appendix A.

## 1.2. Purpose and Structure of Report

The purpose of this report is to collate and assess, 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 preparation of a factual summary of the available information and where necessary, to assess the completeness and relevance of this information in order 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 pollutant linkages; and
- Section 5 summarises the extent of information available for the report, 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 (Figure 1) provided to Atkins at the time of writing of 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 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 Green Rail Route forms part of the proposed improvements to railway infrastructure and will include an extension to the existing Saxmundham-Leiston Branch Line. The redline boundary for the proposed development is provided in Figures 1 included in Appendix A.

### 2.2. Site Location

The Green Rail Route is located within Leiston, approximately 3.5km to the west of the Main Development Site. It branches off the existing Saxmundham-Leiston Branch Line to the east of the Saxmundham Road level crossing in Leiston and runs north, crossing Buckleswood Road, before terminating adjacent to the south of Abbey Lane.

The route is approximately 2.8km in length, running between National Grid Reference (NGR) TM 42865 63122 in the south and NGR TM 45451 64110 in the north.

### 2.3. Site Visit

A site visit from public roads was undertaken 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 contamination present at the site at the time of the visit. The observations from the site visit are summarised below and photographs are provided in Appendix F.

### 2.4. Land Use

The site was noted to comprise large open fields and farmed agricultural land. The existing Saxmundham-Leiston Branch Line railway is present within the south-western edge of the site and Buckleswood Road is present in south of the site, crossing the route from north-west to south-east.

### 2.5. Site Boundaries

The site is bound to the south by the existing railway, to the north by Abbey Lane and to the north-west by Abbey Road. The site's eastern and western boundaries are formed by open agricultural fields.

### 2.6. Surrounding Area

The surrounding area mainly comprises agricultural fields. Residential, industrial and commercial areas are present in the area surrounding the east and south of the site associated with the town of Leiston. Leiston Old Abbey is located approximately 170m to the north of the site. The Aldhurst Farm Habitat Creation is present approximately 100m to the east of the site beyond Abbey Road.

### 2.7. Ground Cover and Topography

The ground cover is mainly agricultural land comprising crops and grassed areas. Hardstanding associated with the railway and Buckleswood Road is present in the south-west and south of the site. The site is generally flat with a gentle slope towards the northern site boundary.

### 2.8. Surface Water

A drain is present running parallel to Abbey Road (the B1122). There are also two ponds present within 100m of the site in the centre of a field to the south of Aldhurst Farm.



NOT PROTECTIVELY MARKED

## 2.9. Services

Overhead cables were noted to be present within the south of the site associated with the existing Saxmundham-Leiston Branch Line.

## 2.10. Visual / Olfactory Evidence of Contamination

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

## 2.11. Potential Hazards and / or Constraints

The site visit identified several features which may have the potential to place a constraint on construction and / or operational phases of the proposed development:

- Overhead cables may restrict access of plant required for ground investigation and / or construction.
- Working in proximity to the existing Saxmundham-Leiston Branch railway line.
- 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.

NOT PROTECTIVELY MARKED

### 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 presented in Appendix B. Publicly-available sources of information have also been consulted to provide further information including British Geological Survey (BGS) mapping and historical borehole records [2], the Environment Agency website, where available [3], Defra’s MAGIC online mapping [4], Zetica’s online unexploded ordnance (UXO) risk maps [5] and Suffolk Biological Records Centre website [6].

#### 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 1927 at a 1:2,500 scale and between 1883 and 2019 at a 1:10,000 scale are presented within the Envirocheck report [1], included in 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
1883 – 1885 (1:10,560)	The site is shown as predominantly fields, with a road (Buckleswood Road) and footpaths crossing the site.  The Great Eastern Railway (later renamed the Saxmundham to Leiston branch line) is present along the southern site boundary.	B1122 Abbey Road is present adjacent to the north-eastern site boundary. Abbey Lane is present adjacent to the northern site boundary.  Surrounding area is occupied predominantly by farmland. Rookwood Farm is present adjacent to the northern site boundary.  Two old sand pits are shown approximately 100m north-west of the site at Rookwood Farm and 300m south-west of the site at Leiston House Farm.  A Brick Works and associated clay pits are present approximately 480m east of the site north of Leiston.  The village of Leiston is located approximately 550m south-east of the site.
1884 (1:2,500)	No significant changes.	Two old sand pits are located approximately 50m north of the site at Abbey Farm.
1904 (1:2,500)	No significant changes.	One of the old sand pits located 100m north-west of the site is no longer shown, presumably infilled.
1905 (1:10,560)	No significant changes.	Drivers Farm is shown adjacent to the south-east site boundary. A new pit is present 65m to the south of the site at Johnson’s Farm.
1927 (1:2,500)	No significant changes.	No significant changes.
1928 (1:10,560)	No significant changes.	A Pumping Station is present approximately 480m south-east of the site in the area of the Brick Works. A cemetery is present 70m to the south of the site.
1938 (1:10,560)	No significant changes.	A new pit is present 450m to the south-west of the site at Crossing Farm Cottages.

NOT PROTECTIVELY MARKED

Date (Scale)	On-site	Surrounding area
1950 - 1951 (1:10,560)	No significant changes.	No significant changes.
1957-1958 (1:10,560)	No significant changes.	An Airfield is shown 500m north-west of the site. Online information indicates this is RAF Leiston, constructed during WWII, but not shown on earlier editions of available maps.
1970 - 1971 (1:2,500)	No significant changes.	The two old sand pits located approximately 50m north of the site are no longer shown, presumably infilled.
1975 (1:2,500)	No significant changes.	No significant changes.
1977 (1:10,560)	No significant changes.	A new disused pit is shown 240m east of the site (previously marked as a small wood). The remaining Old Sand Pit located 100m north west and the sand pit located 300m south west of the site are shown as disused.
1989 (1:2,500)	No significant changes.	No significant changes.
1995 (1:2,500)	No significant changes.	No significant changes.
2000 (1:10,000)	No significant changes.	Residential properties on Neale Crescent are shown adjacent to the southern site boundary. The remaining sand and clay pits surrounding the site are no longer indicated to be present, presumably infilled.
2006 (1:10,000)	No significant changes.	No significant changes.
2019 (1:10,000)	No significant changes.	No significant changes.

### 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 as being present on the BGS online mapping [2] and it is unlikely there are significant deposits of Made Ground along the route due to the area being used as farmland. However, there is likely to be Made Ground associated with the existing Saxmundham-Leiston Branch Line railway and roads crossing the route or other small-scale structures where present including unmapped farmer’s tips. Made Ground will also be present associated with the old sand pits located within the vicinity of the site.

#### 3.3.2. Superficial Deposits

Available BGS records [2] indicate that the majority of the site is shown to be underlain by superficial Diamicton deposits from the Lowestoft Formation, i.e. poorly-sorted matrix-supported deposits. The north-eastern parts of the site are underlain deposits of the Lowestoft Formation, which comprises an extensive sheet of chalky till as well as outwash sands and gravels, silts and clays.

#### 3.3.3. Bedrock and Structural Features

According to the BGS [2], the route is underlain by bedrock geology of the Crag Group, which is described as ‘shallow-water marine and estuarine sands, gravels, silts and clays’. This is supported by BGS borehole

NOT PROTECTIVELY MARKED

records from the Aldhurst Farm area (log TM 46/30) located adjacent to the north-west of the site. The borehole log is included in Appendix C.

The BGS website indicates no structural faults on or within 500m of the site.

### 3.3.4. Local Geological Sites

According to mapping on the Suffolk Biological Records Centre website [6] there are no Local Geological Sites (formerly known as Regionally Important Geological Sites, or RIGS) within 500m of the site.

## 3.4. Mineral Extraction and Ground Stability

### 3.4.1. Mining and Natural Cavities

The available Envirocheck report [1] indicates that the site is in an area that is not affected by coal mining, and there is no hazard relating to non-coal mining areas.

### 3.4.2. Historical Extractive Activities

The Envirocheck report [1] indicates that there are several historical pits within 500m of the site which have been used for mineral extraction including:

- Abbey Farm Sand Pit located 50m north;
- Johnson’s Farm Pit (clay and shale) located 65m south;
- Rookwood Farm Sand Pits located 100m north-west;
- Unnamed disused pit located 240m east;
- Leiston Farm House Sand Pit located 300m south-west;
- Crossing Farm Pit (clay and shale) located 450m south-west; and
- Leiston Brick Works (clay and shale) located 480m east.

The Suffolk County Council Minerals Local Plan [7] indicates that there are no planned areas of mineral extraction within 1km of the 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	Very low
Shrinking or swelling clay ground stability hazards	Low

### 3.4.4. Radon

The BGS website [8] and BRE Radon Guidance [9] states 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.

### 3.5. Hydrogeology

According to the MAGIC website [4], the superficial deposits of the Lowestoft Formation sand and gravel deposits in the north-eastern area of the site are classified by the Environment Agency as a Secondary A aquifer<sup>1</sup>. The Lowestoft Formation Diamicton deposits underlying the majority of the site are classified as a Secondary Undifferentiated aquifer<sup>2</sup>.

The Crag Group bedrock underlying the site is classified as a Principal aquifer<sup>3</sup>.

There are groundwater source protection zones (SPZ)<sup>4</sup> present within the site. The south-western section of the site lies within a groundwater Source Protection Zone (SPZ) II (Outer Protection Zone)<sup>5</sup> and SPZ Zone III (Total Catchment)<sup>6</sup>.

#### 3.5.1. Groundwater Abstractions

The Envirocheck report [1] indicates that there are four current licensed groundwater abstractions within 500m of the site. The closest is located 265m south-west of the site and used for general farming and domestic use. A public potable water supply abstraction is located 390m west of the site. The remaining abstraction licenses located 365m and 430m to the east of the site are for spray irrigation and industrial processes.

#### 3.5.2. Discharge Consents

The Envirocheck report [1] indicates that there is one groundwater discharge consent located 288m to the south-east of the site at West End Nurseries (garden centre) for trade discharge (agricultural and surface) onto land.

### 3.6. Hydrology

The Envirocheck report [1] indicates that a series of ditches cross the site, which in turn feed the upper reaches of the Leiston Drain to the east of the B1122 (Abbey Road). There are no existing ponds present within the site, however, 28 ponds are present within 500m of the site.

#### 3.6.1. Surface Water Abstractions

The Envirocheck report [1] indicates there are no water abstractions relating to surface water within 500m of the site.

#### 3.6.2. Discharge Consents

The Envirocheck report [1] indicates that there is one surface water discharge consent located 414m to the east of the site for sewage discharges (final/treated effluent) from West End Nurseries (garden centre) into a tributary of Leiston Beck.

#### 3.6.3. Flood Risk

The Envirocheck report [1] indicates that the site is located in Flood Zone 1, and therefore has a low risk of flooding from rivers or seas without defences. Risks associated with groundwater 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, an area of approximately 2 hectares (ha) located along the eastern boundary of the site is indicated to be at high risk of surface water flooding.

<sup>1</sup> Secondary A aquifers are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

<sup>2</sup> Secondary Undifferentiated aquifers are assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

<sup>3</sup> 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.

<sup>4</sup> A Source Protection Zone (SPZ) is defined around groundwater sources such as wells, boreholes and springs used for public drinking water supply, and show the risk of contamination from any activities that might cause pollution in the area. The closer the activity, the greater the risk. The maps show three main zones (inner, outer and total catchment).

<sup>5</sup> Defined by a 400 day travel time from a point below the water table. The previous methodology gave an option to define SPZ2 as the minimum recharge area required to support 25 per cent of the protected yield. This option is no longer available in defining new SPZs and instead this zone has a minimum radius of 250 or 500 metres around the source, depending on the size of the abstraction.

<sup>6</sup> Defined as the area around a source within which all groundwater recharge is presumed to be discharged at the source. In confined aquifers, the source catchment may be displaced some distance from the source. For heavily exploited aquifers, the final Source Catchment Protection Zone can be defined as the whole aquifer recharge area where the ratio of groundwater abstraction to aquifer recharge (average recharge multiplied by outcrop area) is >0.75. There is still the need to define individual source protection areas to assist operators in catchment management.

### 3.6.4. Pollution Incidents to Controlled Waters

The Envirocheck report [1] indicates that there has been one recorded incident to controlled waters located 376m east of the site. The incident involved the release of an unknown pollutant into a tributary of Leiston Beck in October 1992 and was classified as a Category 2 – significant incident.

### 3.7. Substantiated Pollution Incident Register

No records are indicated to be present within 500m of the site [1].

### 3.8. Waste Management Sites

The Envirocheck report [1] indicates that there are several historical landfills located within 500m of the site as follows:

- Abbey Pit (infilled old sand pit) located approximately 500m to the north-east of the site. The type of waste accepted at this landfill and operation dates are unknown;
- Aldhurst Farm located approximately 500m east of site. The landfill received inert, industrial, commercial and household waste and was closed in 1990. Additional information on the Environment Agency website indicates that gas control measures may have been in place at some point during the site's lifetime; and
- Carr's Pit landfill located approximately 500m east of site. This landfill received inert and industrial waste from 1976 to 1987.

The Environment Agency website [3] did not identify any waste management facilities or waste transfer sites on or within 500m of the site in 2015.

### 3.9. Pollution Prevention and Control Sites

According to the Envirocheck report [1] there are two Local Authority Pollution Prevention and Control sites located within 500m of the site as follows:

- A permit operated by West End Nurseries located 368m to the south-east of the site for the combustion of fuel manufactured from or comprised of solid waste appliances. Dated March 2007 and listed as permitted; and
- A permit operated by L. B. Shotter and Sons for a petrol filling station located 420m to the south-east of the site. Dated February 2000 and listed as authorised.

### 3.10. Registered Radioactive Substances

According to the Envirocheck report [1] there are no registered radioactive substances within 500m of the site.

### 3.11. Fuel Stations

According to the Envirocheck report [1] there is one fuel station located within 500m of the site, situated on Waterloo Avenue in Leiston, 420m to the south-east of the site.

### 3.12. 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.

### 3.13. Sensitive Land Uses

The MAGIC website was reviewed for the following statutory land designations:

- Areas of Outstanding Natural Beauty (AONB);
- Areas of Special Protection (AoSP) and Special Protection Areas (SPA);
- Country Parks;
- Historic Gardens and Designated Landscapes;

NOT PROTECTIVELY MARKED

- Local and National Nature Reserves (LNR / NNR);
- National Parks;
- Ramsar Sites;
- Sites of Special Scientific Interest (SSSI);
- Special Areas of Conservation (SAC);
- Sites of Community Interest (SCI); and
- World Heritage Site.

Buckle's Wood which is designated as an Ancient Woodland and a Country Wildlife Site (CWS) is present adjacent to the south-western site boundary, with the fields on either side of Buckleswood Road described as pre-18th century enclosures.

### 3.14. UXO

A Zetica UXO map [5] (included as Appendix C) was obtained to assess the risk of encountering UXO at the site. The map indicates that the site is within an area with a 'moderate bomb risk'. This is assumed to be associated with the airfield (RAF Leiston) located 500m north-west of the site which was constructed during WWII. A moderate risk region is defined by Zetica as a recorded bomb density of between 15 and 49 bombs per 1,000 acres and that may also contain potential WWII targets. Action to mitigate the risk is considered to be required.

### 3.15. Other Relevant Information

#### 3.15.1. Spreading of Sediment from Leiston Brook

The land contamination report [10] prepared by EDF Energy for the Aldhurst Farm Habitat Creation Scheme states that in consultation with the Environment Agency it was confirmed that sediment from Leiston Brook and the sewage works 800m to the south-east of the site is periodically spread on an area of land adjacent to Lover's Lane (Area F in the report). Furthermore, this material 'may contain sanitary waste'. It is not known the extent of land over which this material may be spread.

#### 3.15.2. DC/14/4224/FUL Habitat Creation

Review of the Suffolk Coastal District Council planning website has identified an approved planning application for creation of replacement wetland habitat by EDF on land located 100m to the east of the site in an area known as Aldhurst Farm (planning reference DC/14/4224/FUL).

Planning permission was granted on 23 December 2014 for creation of approximately 6ha of wetland habitat and associated drainage improvement works, groundwater management and importation of relocated peat from land close to the Main Development Site. A copy of the planning consent is given in Appendix D.

### 3.16. Previous Ground Investigations

Eight cable percussive boreholes were drilled within and adjacent to the proposed site boundary (GR1, GR2, GR3, GR4, GR5, GR6, GR7 and GR11) as part of a previous ground investigation undertaken for the Sizewell C development by Structural Soils in 2014 [11].

The boreholes were drilled to a maximum depth of 30 metres below ground level (m bgl) and encountered the following ground conditions:

- Topsoil – from surface to between 0.3m and 0.6m bgl, comprising sandy gravelly Clay;
- Made Ground – encountered in one borehole (GR1) from surface to 0.4m bgl, comprising gravel sandy clay with brick and coal fragments;
- Lowestoft Formation (Diamicton) – from 0.3m to a maximum depth of 8.5m bgl, comprising gravelly sandy Clay and silty fine Sand; and
- Crag Sand – from 1.9m to 30m bgl (depth not proven), comprising medium and coarse dense gravelly Sand.

The thickness of superficial deposits was generally found to increase with distance from the coast.

NOT PROTECTIVELY MARKED

## NOT PROTECTIVELY MARKED

No olfactory or visual observations of contamination were reported in the boreholes during the ground investigation.

Boreholes GR2, GR3, GR6 and GR11 were installed with groundwater monitoring installations within the Lowestoft Formation and Crag Sand. Groundwater levels were monitored on two occasions in March and April 2014 following the ground investigation and were recorded between 6m to 16m bgl.

No environmental soil samples were collected from the boreholes during the ground investigation and no ground gas or groundwater monitoring was undertaken, and there is no contamination testing data available for the site.

---

NOT PROTECTIVELY MARKED



## 4. Preliminary Conceptual Site Model (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 CLR11<sup>7</sup> [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 hence require 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.

### 4.1. 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 Table 4.5. The purpose of this assessment is to focus upon the potential risks present based on the proposed development, post construction 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.

<sup>7</sup> It is noted that CLR11 is due to be withdrawn and replaced by updated online guidance: Environment agency (June 2019) Land contamination: Risk Management (LCRM).

NOT PROTECTIVELY MARKED

**Table 4.1 Definitions of estimate 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 E.

**Table 4.2 Estimation of the level of risk by comparison of consequence and probability**

		Consequence			
		Severe	Medium	Mild	Minor
Probability (Likelihood)	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

## 4.2. 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).

### 4.2.1. Potential Contaminants

The potential sources of contamination and associated groups of potential contaminants of concern have been identified from the desk-based review, and are outlined in Table 4.3 below. The list of activities and contaminants of concern listed 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.

NOT PROTECTIVELY MARKED

**Table 4.3 Summary of potential sources of contamination**

	<b>Activity / feature</b>	<b>Potential contaminants</b>
On-site	Made Ground associated with the construction and operation of the existing Saxmundham-Leiston Branch railway line and roads which cross the site.	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.	Contamination risk from herbicides, pesticides, silage, effluent, and fuel oils. Risk of inorganic and organic contamination including metals and hydrocarbons, PCBs, asbestos, etc.
Off-site	Historical landfills located within 500m of the site.	Potential contaminants may include metals, inorganic and organic contaminants, fuels, oils, asbestos and a potential for vapour and / or ground gas generation.
	Made Ground associated with the construction and operation of the adjacent railway line and roads.	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.
	Made Ground / fill material associated with the former pits and brick works located within 500m of the site.	Fill material is unknown but potential contaminants may include metals, inorganic and organic contaminants, fuels, oils, asbestos and a potential for vapour and, or ground gas generation.
	Airfield (RAF Leiston) located 500m north-west of the site.	A range of inorganic and organic contaminants including the potential for asbestos. Fuels and oils, metals and hydrocarbons, PCBs etc.
	Farmland surrounding the site. 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.
	Potential spreading of sediment including sanitary waste from the Pumping station and Leiston Wastewater Treatment Works 800m south-east of the site onto fields adjacent to the site.	Potential contamination may comprise metals, inorganic contaminants, fuels and oils, PCBs, treatment chemicals, pathogens and a potential for hazard gas generation from sludges.

### 4.2.2. Potential Receptors

This section details potential receptors which are relevant to the current site use, and may be relevant to the construction and operation of the site, as shown in Table 4.4.

**Table 4.4 Summary of potential receptors**

<b>Receptor groups</b>	<b>Current site use</b>	<b>Future scenarios</b>
Human health (on-site)	Farmers / workers on agricultural land	Users of the new railway line
	-	Construction / maintenance workers
	Commuters / pedestrians / cyclists / horse riders accessing roads and public rights of way crossing the rail route	-
Human health (off-site)	Farmers on adjacent agricultural land	Farmers / workers on adjacent agricultural land
	Pedestrians / cyclists / horse riders accessing public rights of way	Pedestrians / cyclists / horse riders accessing public rights of way
	Residents in adjacent properties	Residents in adjacent properties
Controlled water	Groundwater in Principal bedrock aquifer, Secondary A and Secondary Undifferentiated superficial aquifers	Groundwater in Principal bedrock aquifer, Secondary A and Secondary Undifferentiated superficial aquifers

NOT PROTECTIVELY MARKED

Receptor groups	Current site use	Future scenarios
	Ponds within 100m of the site and drain parallel to Abbey Road (adjacent to north-eastern site boundary)	Ponds within 100m of the site and drain parallel to Abbey Road (adjacent to north-eastern site boundary)
Property	Existing on site services and structures	Existing on site services and structures
	Existing off-site services and structures (including archaeological features)	Existing off-site services and structures (including archaeological features)
	-	Proposed on-site services and structures
	Crops and Livestock	Crops and Livestock
Ecological	Buckle's Wood Ancient Woodland and CWS (off-site)	Buckle's Wood Ancient Woodland and CWS (off-site)

### 4.2.3. 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; and
- 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.

### 4.2.4. 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 (removal and

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

reinstatement) scenario has not been considered as this scenario is unlikely given the proposals for new rail infrastructure. 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.

---

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

**Table 4.5 Preliminary Conceptual Site Model**

Source	Receptor	Contaminant exposure / migration pathway	Baseline			Construction			Operation			
			Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	
<p><b>ON-SITE:</b> Made Ground associated with the roads which cross the site and the construction of the existing railway line.</p> <p><i>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.</i></p> <p>Farmland within site boundary. Potential for un-mapped farmers tips.</p> <p><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><b>Human health: On-site</b></p>	Farmers / 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	--	--
		Commuters / pedestrians / cyclists / horse riders accessing roads and public rights of way crossing the rail route	Inhalation of contaminants in soil, soil-derived dust, fibres and gas/vapours.	Low likelihood	Mild	Low risk	Receptor not present	--	--	Unlikely	Mild	Very low risk
		Construction / maintenance workers		Receptor not present	--	--	Unlikely <sup>8</sup>	Mild	Very low risk	Unlikely <sup>9</sup>	Mild	Very low risk
		Users of the new railway line		Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk
	<p><b>Human health: Off-site</b></p>	Farmers / workers on adjacent agricultural land	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 / cyclists / horse riders accessing surrounding roads	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
		Residents in adjacent properties		Unlikely	Mild	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
	<p><b>Controlled waters:</b></p>	Principal Bedrock, Secondary A and Secondary Undifferentiated Superficial aquifers	Leaching of contaminants in soil to groundwater in underlying 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
		Drains and ponds within 100m of the 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 groundwater and/or surface water run-off followed by overland flow and discharge.	Unlikely	Mild	Very low risk	Unlikely	Minor	Very low risk	Unlikely	Minor	Very low risk
	<p><b>Property / services:</b></p>	Existing on-site services and structures	Direct contact of contaminants in soil and/or groundwater with existing buried services.	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	Mild	Very low risk	Unlikely	Mild	Very low risk	
Existing off-site structures and services (including archaeological features)		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	
Future on-site structures and services		Direct contact of contaminants in soil and/or groundwater with buried services.	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	

<sup>8</sup> It has been assumed that all construction workers will adhere to site working practices, including use of appropriate PPE

<sup>9</sup> It has been assumed that all construction workers will adhere to site working practices, including use of appropriate PPE

NOT PROTECTIVELY MARKED

NOT PROTECTIVELY MARKED

Source	Receptor		Contaminant exposure / migration pathway	Baseline			Construction			Operation		
				Probability	Consequence	Risk Category	Probability	Consequence	Risk Category	Probability	Consequence	Risk Category
	<b>Ecological:</b>	Buckle's Wood Ancient Woodland and CWS (off-site)	Migration of contaminated waters/dust/fibres and subsequent uptake by flora or ingestion/inhalation/dermal contact by fauna.	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
<p><b>OFF-SITE:</b> Made Ground / fill material associated with the former pits and brick works located within 500m of the site.</p> <p>Airfield (RAF Leiston) located 500m north-west of the site.</p> <p>Made Ground associated with the construction and operation of the adjacent railway line and roads.</p> <p>Historical landfills located within 500m of the site.</p> <p><i>Potential contaminants may include metals, inorganic and organic contaminants, fuels, oils, asbestos and a potential for vapour and / or ground gas generation.</i></p> <p>Pumping station and Leiston Wastewater Treatment Works 800m south of the site and additional potential spreading of sediment including sanitary waste into adjacent fields</p> <p><i>Potential contamination may comprise metals, inorganic contaminants, fuels and oils, PCBs, treatment chemicals, and a potential for hazard gas generation.</i></p> <p>Farmland surrounding the site. Potential for un-mapped farmers tips.</p> <p><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>	<b>Human health: on-site</b>	Farmers/workers on agricultural land	Derma contact with and/or ingestion of contaminants in windblown soil-derived dusts and water that may have migrated onto site.	Unlikely	Mild	Very low risk	Receptor not present	--	--	Receptor not present	--	--
		Commuters / pedestrians / cyclists / horse riders accessing roads and public rights of way crossing the rail route	Inhalation of contaminants in soil, soil-derived dust, fibres and vapours which may have migrated onto site.	Unlikely	Mild	Very low risk	Receptor not present	--	--	Unlikely	Mild	Very low risk
		Construction / maintenance workers		Receptor not present	--	--	Unlikely	Mild	Very low risk	Unlikely	Mild	Very low risk
		Users of the new railway line		Receptor not present	--	--	Receptor not present	--	--	Unlikely	Mild	Very low risk
	<b>Controlled waters</b>	Principal Bedrock, Secondary A and Secondary Undifferentiated Superficial aquifers	Leaching of contaminants in soil to groundwater in underlying 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
	<b>Property / services</b>	Existing on-site services and structures	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
		Future on-site structures and services	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	--	--	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

## 5. Summary and Conclusions

### 5.1. Data Gaps

A limitation to the identification and assessment of PCLs in this report is the absence of a previous intrusive ground investigation. 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 currently comprises mainly agricultural land. On-site sources are considered to comprise Made Ground relating to the construction of the existing roads and railway line, the operation of the roads including fuel and oil spills, activities relating to agricultural land use and the potential for unidentified farmers tips.

Risks to human health without mitigation measures are considered to be low to very low, based on the findings of the desk study. Risks to controlled waters from soluble or free-phase contamination were also considered to be low to very low. The Principal Aquifer beneath the site was considered to have a medium consequence if affected by contamination. Risks to property, services and ecological receptors were generally assessed as being very low, given the unlikely 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.

**Table 5.1 Recommendations for further investigation**

Receptor		Highest risk classification	Recommended actions / further assessment
Human health (on-site)	Farmers on agricultural land	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.
	Commuters / pedestrians / cyclists / horse riders accessing roads and public rights of way crossing the rail route	Low risk	
	Construction workers	Very low risk	
	Users of the new railway line	Very low risk	
Human health (off-site)	Pedestrians / cyclists / horse riders accessing surrounding roads	Very low risk	
	Farmers on agricultural land	Very low risk	
	Residents in adjacent properties	Very low risk	
Controlled waters	Groundwater in Principal bedrock aquifer and Secondary A and Secondary Undifferentiated superficial aquifers	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.
	Drains / ponds within 100m of the site	Very low risk	
Property	Existing structures and services on 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
	Existing off-site services and structures (including archaeological features)	Very low risk	



Receptor		Highest risk classification	Recommended actions / further assessment
	Proposed on-site services and structures associated with the rail infrastructure	Very low risk	and chemical analysis as part of a geotechnical ground investigation.
	Crops and livestock	Very low risk	
<b>Ecological Receptors</b>	Buckle's Wood Ancient Woodland and CWS	Very low risk	

# References

- [1] Landmark Information Group, "Landmark. Envirocheck Report (Ref. 193135317\_1\_1)," 2019.
- [2] British Geological Society, "Geoindex," 2018. [Online]. Available: <http://mapapps2.bgs.ac.uk/geoindex/home.html?layer=BGSHydroMap>. [Accessed 25 April 2018].
- [3] Environment Agency, "What's In Your Backyard?," 2015.
- [4] DEFRA, "Magic Map," 2019. [Online]. Available: <https://www.gov.uk/government/organisations/environment-agency>. [Accessed April 2019].
- [5] Zetica, "UXB Online Risk Map," 2018. [Online]. Available: <https://zeticauxo.com/downloads-and-resources/risk-maps/>. [Accessed 25 April 2018].
- [6] Suffolk Biological Records Centre, 2011. [Online]. Available: <http://www.suffolkbis.org.uk/suffolk-sites>. [Accessed 30 April 2018].
- [7] Suffolk County Council, "Minerals and waste policy," 2018. [Online]. Available: <https://www.suffolk.gov.uk/planning-waste-and-environment/minerals-and-waste-policy/>. [Accessed 30 04 2018].
- [8] British Geological Society, "Geoindex," 2018. [Online]. Available: <http://mapapps2.bgs.ac.uk/geoindex/home.html?layer=BGSHydroMap>. [Accessed 08 May 2018].
- [9] Building Research Establishment (BRE), "Radon: Protective Measures for New Buildings. BRE Report B211.," 2007.
- [10] E. Energy., "Aldhurst Farm - Habitat Creation Scheme Planning Application - Land Contamination Assessment.," December 2014.
- [11] Structural Soils Ltd, "Factual Report on Ground Investigation on Sizewell C Construction Site Area and Associated Development. SZC-NNBPCP-XX-000-REP-000014," November 2014.
- [12] Environment Agency and Defra, "Model Procedures for the Management of Contaminated Land," R&D Publication CLR11, 2004.
- [13] Environment Agency, "GPLC1: Guiding Principles for Land Contamination," 2010.
- [14] Communities and Local Government, "National Planning Policy Framework," 2018.
- [15] Construction Industry Research and Information Association (CIRIA), "Contaminated Land Risk Assessment: A guide to good practice (C552)," 2001.
- [16] Environment Agency, "Flood Map for Planning," 2018. [Online]. Available: <https://flood-map-for-planning.service.gov.uk/confirm-location?easting=638694&northing=267258&nationalGridReference=TM3869467258>. [Accessed 25 April 2018].

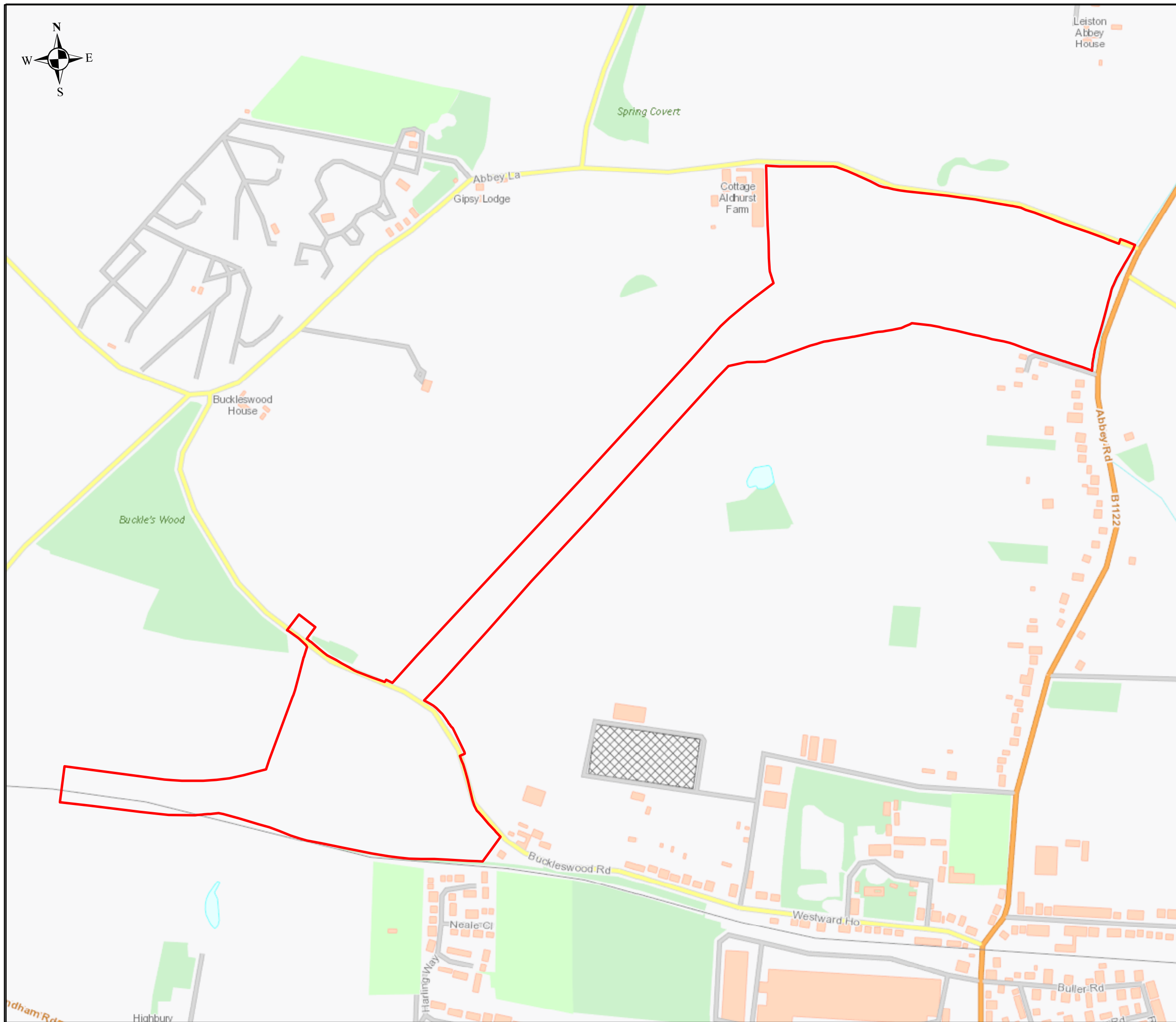
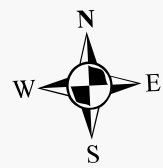
- [17] EDF Energy, "Sizewell C Proposed Nuclear Development EIA Scoping Report," 2014.
- [18] Yell, "Yell.com," 2018. [Online]. Available: <https://www.yell.com/>. [Accessed 01 May 2018].
- [19] Environment Agency, "GPLC1: Guiding Principles for Land Contamination," 2010.
- [20] Communities and Local Government, "National Planning Policy Framework," 2012.
- [21] Construction Industry Research and Information Association (CIRIA), "Contaminated Land Risk Assessment: A guide to good practice (C552)," 2001.
- [22] Landmark Group, "Envirocheck Report 40176294\_1\_1," 2012.
- [23] Landmark Information Group, "Envirocheck Report Ref. 40147573\_1\_1," 2012.
- [24] Atkins, "Reduced Frequency of SZC Groundwater and Surface Water Monitoring. Ref. 5129919/M/038," March 2017.

# Appendices



# 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.



## Sizewell C Project Green Rail Route

### Legend

— Red Line Boundary

Drawing Title:  
**Phase 1 Desk Study  
Red Line Boundary**

Client:

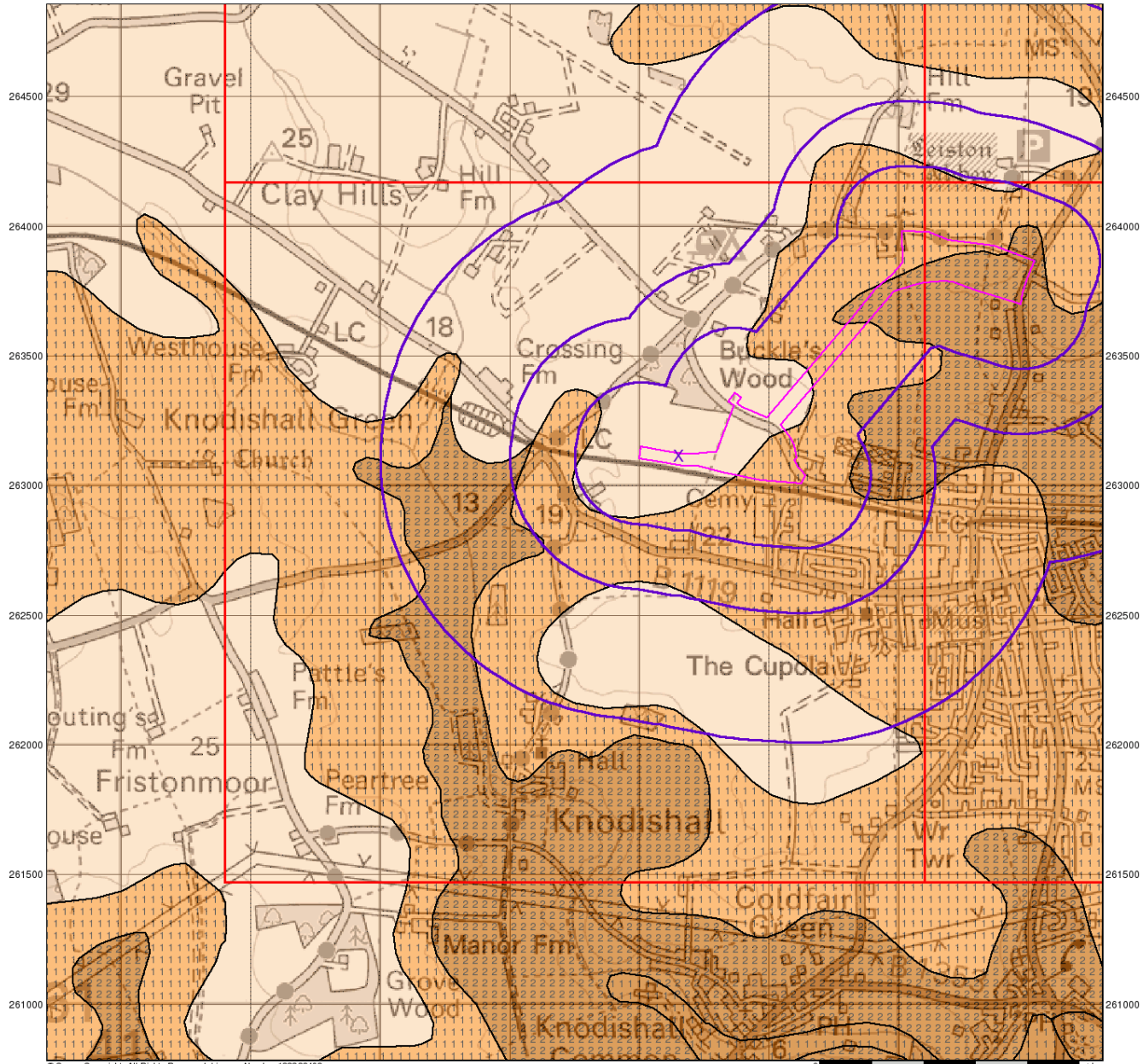


# ATKINS

Status: S1	Purpose of issue: For Information	Rev: 0	Model File Identifier:
Reference: Figure 1	Drawn: SRH 22/08/2018	Checked: JA 22/08/2018	Authorised: JA 22/08/2018

# Appendix B. Envirocheck Report

641000 641500 642000 642500 643000 643500 644000 644500



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Groundwater Vulnerability

### General

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

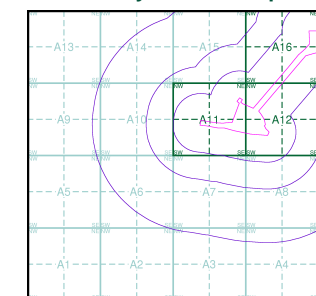
### Agency and Hydrological

#### Geological Classes

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

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

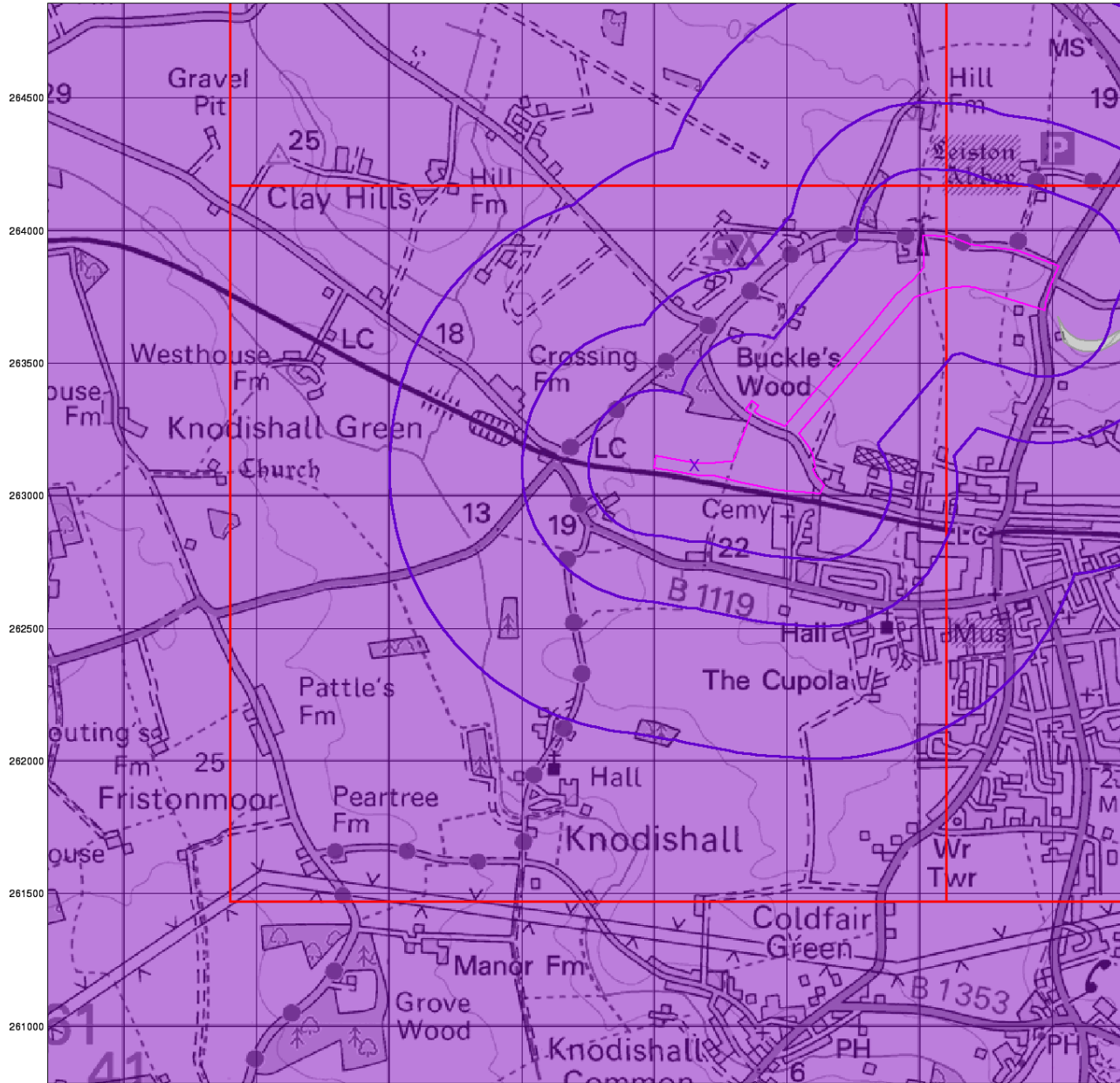
Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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



641000 641500 642000 642500 643000 643500 644000 644500



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Bedrock Aquifer Designation

### General

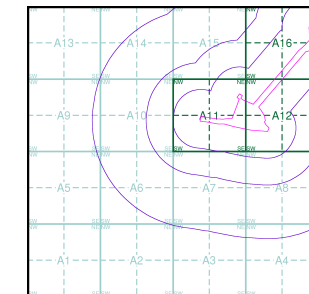
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

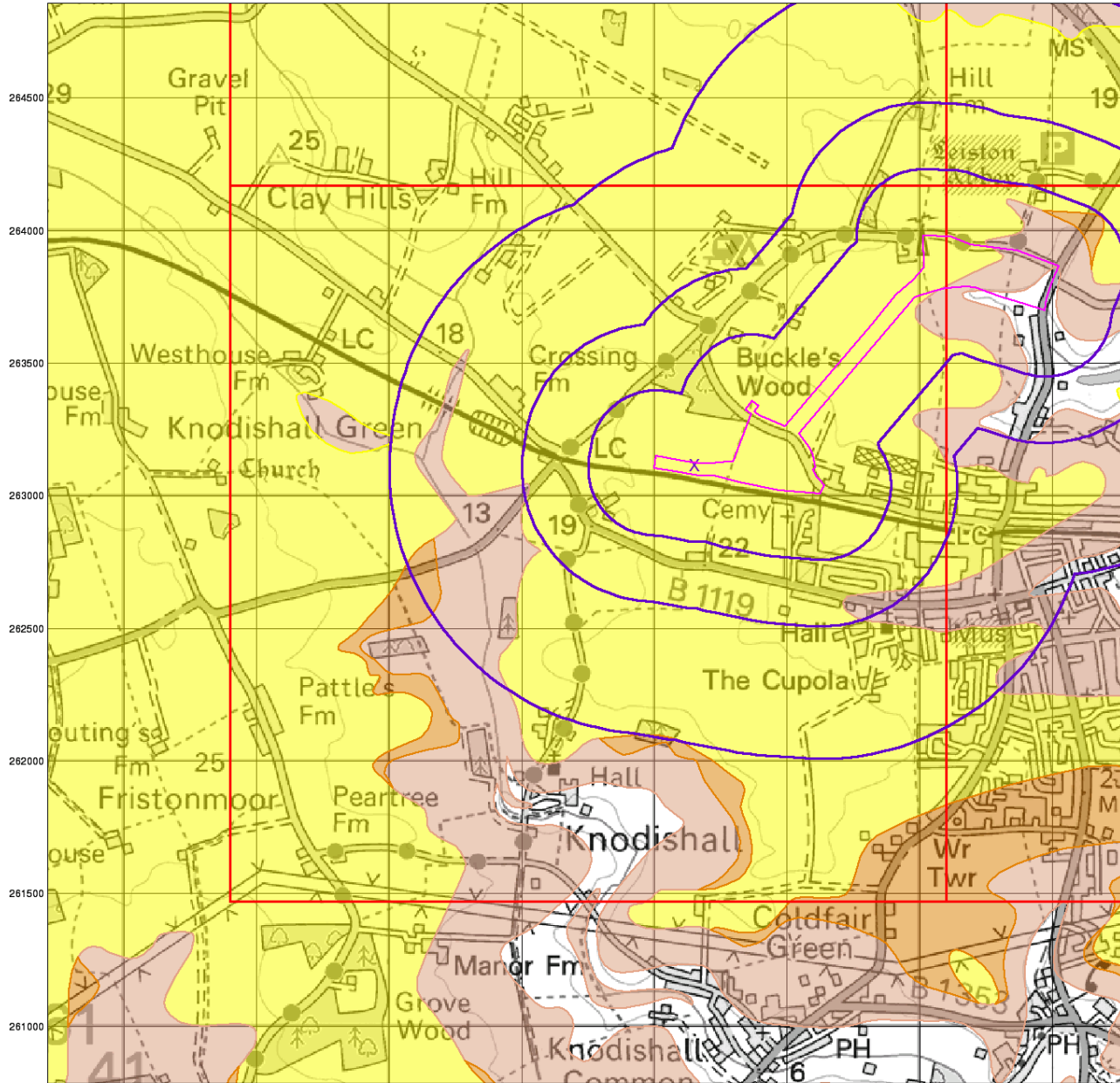
### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ● LANDMARK INFORMATION GROUP

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

641000 641500 642000 642500 643000 643500 644000 644500



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1km

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Superficial Aquifer Designation

### General

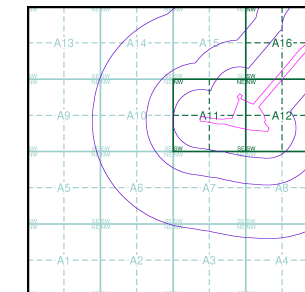
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

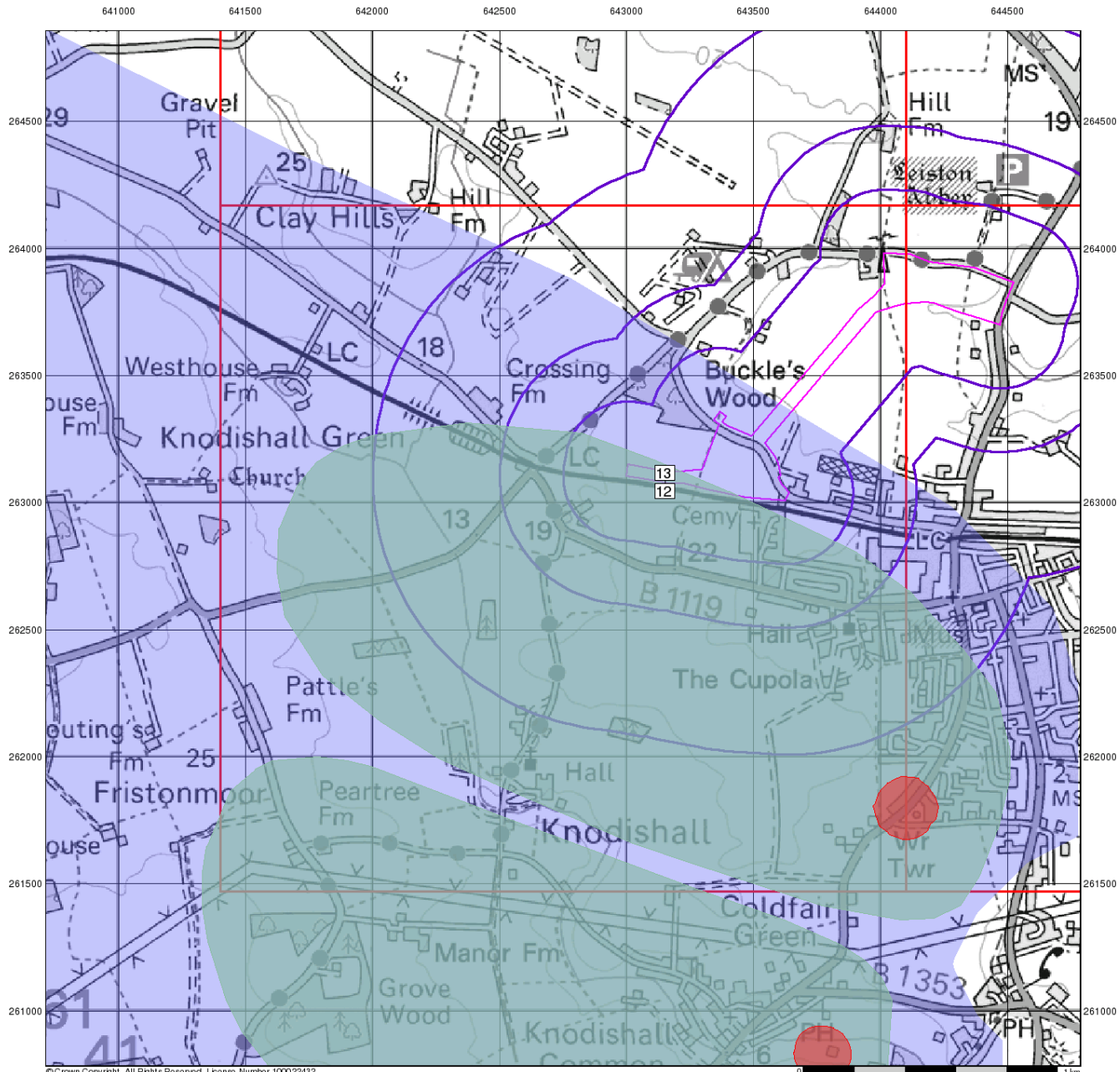
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ●●● INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Source Protection Zones

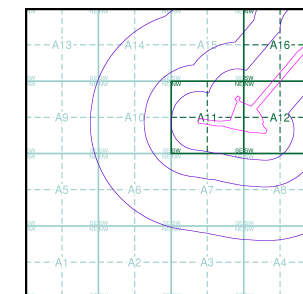
### General

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

### Agency and Hydrological

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

### Site Sensitivity Context Map - Slice A



### Order Details

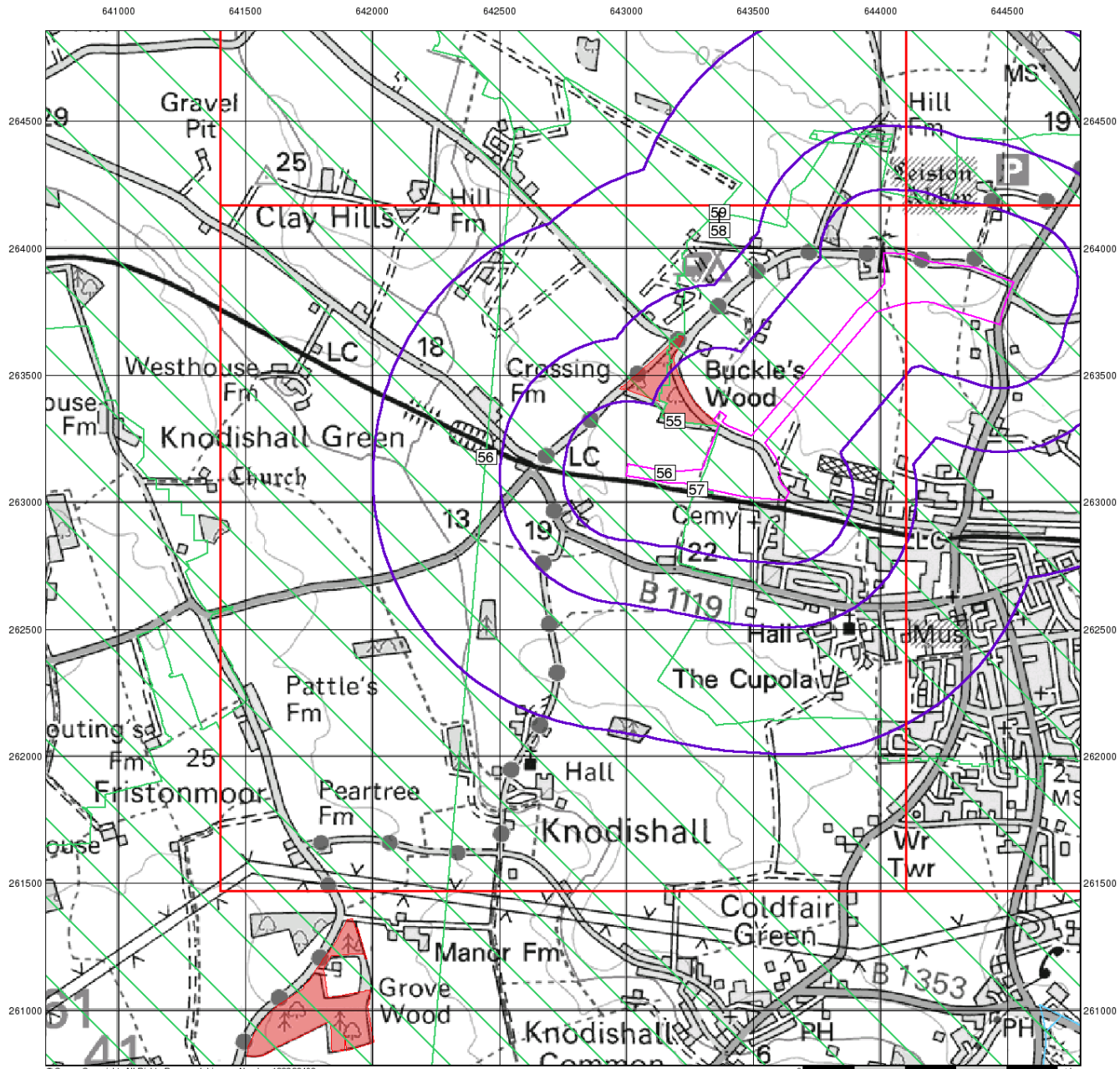
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ●●● INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Sensitive Land Uses

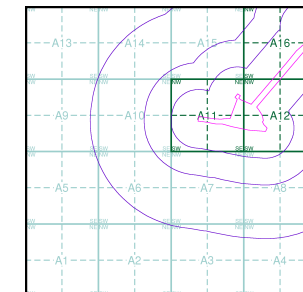
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

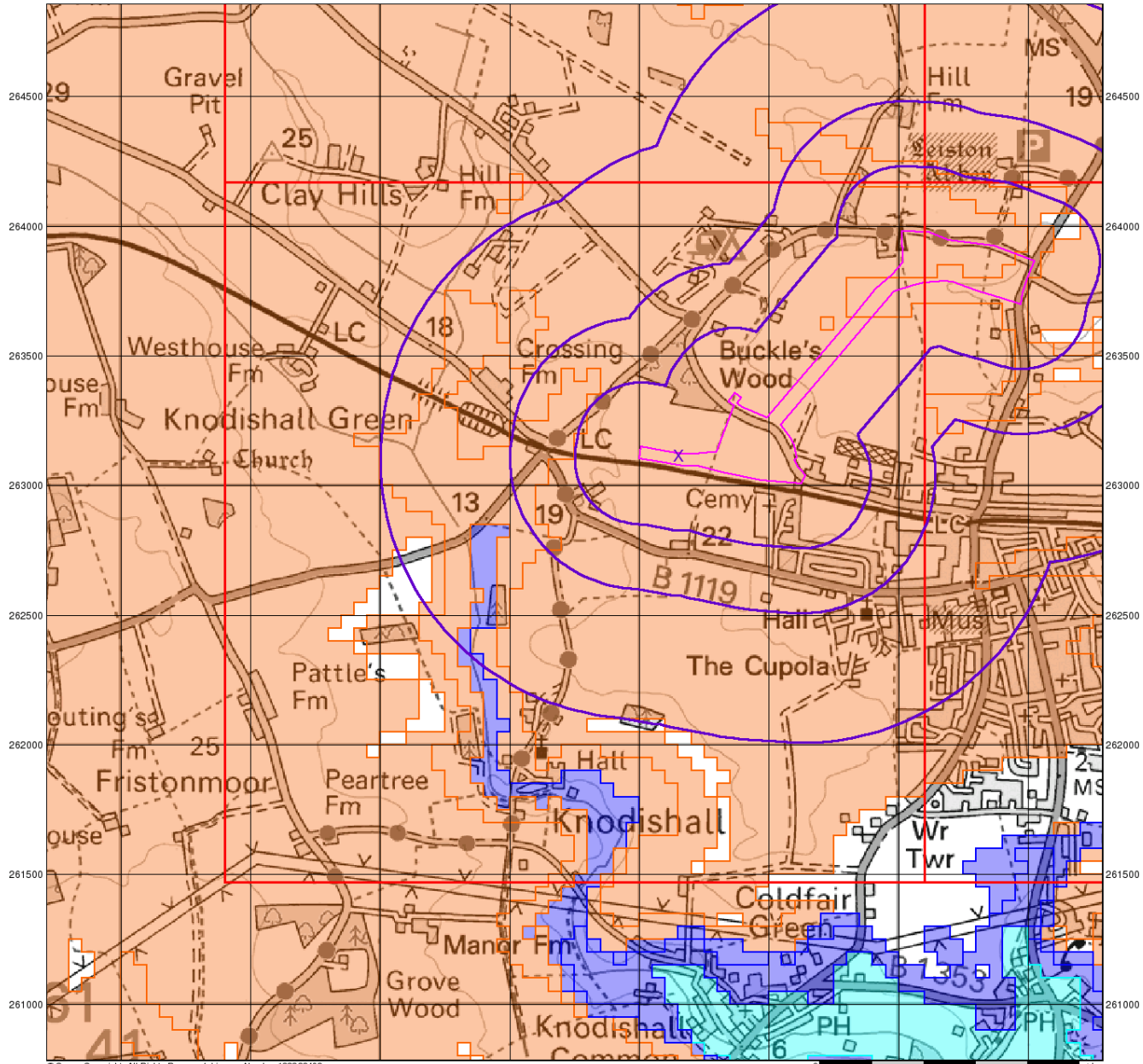
### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 ●●● INFORMATION GROUP

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

641000 641500 642000 642500 643000 643500 644000 644500



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

# Envirocheck<sup>®</sup>

● LANDMARK INFORMATION GROUP<sup>®</sup>

## BGS Flood GFS Data

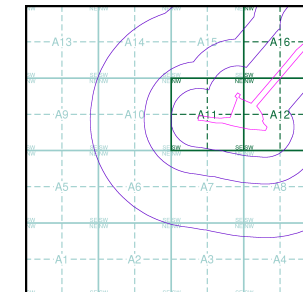
### General

- 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: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

## Site Details

Site at, Leiston, Suffolk

**Landmark<sup>®</sup>**  
 ●●● INFORMATION GROUP

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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

193135317\_1\_1

**Customer Reference:**

5166065.303

**National Grid Reference:**

643150, 263120

**Slice:**

A

**Site Area (Ha):**

21.63

**Search Buffer (m):**

1000

#### Site Details:

Site at  
Leiston  
Suffolk

#### Client Details:

Ms E Godsiffe  
Atkins Ltd  
The Hub 500 Park Avenue  
Aztec West  
Almondsbury  
Bristol  
BS32 4RZ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	8
Hazardous Substances	-
Geological	10
Industrial Land Use	14
Sensitive Land Use	16
Data Currency	17
Data Suppliers	21
Useful Contacts	22

### Introduction

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

### Copyright Notice

© Landmark Information Group Limited 2019. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Environment Agency & United Kingdom Research and Innovation 2019. © Natural Resources Wales & United Kingdom Research and Innovation 2019.

### Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

### Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

### Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

### Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

### Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2019. Land & Property Services © Crown copyright and database right.

### Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	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	pg 2			2	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 2				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3			4	(*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 5	Yes	n/a	n/a	n/a
Drift Deposits	pg 5	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones	pg 5	2			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 6				14



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 8				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 8			1	
Local Authority Landfill Coverage	pg 8	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 8		1		1
Potentially Infilled Land (Water)	pg 8				1
Registered Landfill Sites	pg 8			1	1
Registered Waste Transfer Sites	pg 9				2
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
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)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes		Yes
BGS Recorded Mineral Sites	pg 11		2	2	4
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 13	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13	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
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 14		2	7	
Fuel Station Entries	pg 14			1	
Points of Interest - Commercial Services	pg 14			5	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 15			1	
Points of Interest - Public Infrastructure	pg 15		2	4	
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)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 16	1			
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	2	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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SE (NE)	0	1	643800 263650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (W)	0	1	643152 263115
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	26	1	643700 263600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	197	1	644600 263500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (W)	214	1	642800 263200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	315	1	644750 263500
1	<b>Discharge Consents</b> Operator: L F Geater & Sons Ltd Property Type: Horticulture Est. Nursery Gardens Location: Westend Nurseries, Leiston, Suffolk, Ip16 4hx Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwelf50149 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 11th May 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge: Onto Land Environment: Receiving Water: Groundwater <b>Status: Deemed Groundwater Regulations Authorisation</b> Positional Accuracy: Located by supplier to within 10m	A12SE (E)	288	2	643910 263140
2	<b>Discharge Consents</b> Operator: L F Geater & Sons Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: West End Nurseries, Leiston, Suffolk, Ip16 4hx Authority: Environment Agency, Anglian Region Catchment Area: Minsmere River (Leiston) Reference: Prenf13423 Permit Version: 1 Effective Date: 6th December 2000 Issued Date: 22nd January 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Leiston Beck <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b> Positional Accuracy: Located by supplier to within 10m	A12SE (E)	414	2	644050 263100
3	<b>Discharge Consents</b> Operator: Mr & Mrs Snowden Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Crossing Farm, Saxmundham Road, Leiston, Suffolk, Ip16 4tn Authority: Environment Agency, Anglian Region Catchment Area: Kessingland Hundred River Reference: Prenf20839 Permit Version: 1 Effective Date: 1st October 2007 Issued Date: 1st October 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib Of Thorpeness Hndrd <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A10NE (W)	521	2	642520 263330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: F L Redhead &amp; Co  Property Type: Arable Farming  Location: House Farm, Leiston, Suffolk, Ip16 4tw  Authority: Environment Agency, Anglian Region  Catchment Area: Catchment 29 Unknown Detail  Reference: Gwelf50513  Permit Version: 1  Effective Date: 1st April 1999  Issued Date: 19th May 2000  Revocation Date: Not Supplied  Discharge Type: Trade Discharge - Agricultural And Surface  Discharge: Onto Land  Environment:  Receiving Water: Groundwater  <b>Status: Deemed Groundwater Regulations Authorisation</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SE (NW)	686	2	642600 263700
5	<p><b>Discharge Consents</b></p> <p>Operator: Mr C W Mann  Property Type: Domestic Property (Single)  Location: Knodishall Lodge Knodishall, Saxmundham, Suffolk, Ip17 1tp  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Prenf00393  Permit Version: 1  Effective Date: 24th January 1989  Issued Date: 24th January 1989  Revocation Date: 22nd January 1992  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Thorpeness Hundred River  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A6SE (SW)	982	2	642570 262220
6	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Lf Geater &amp; Sons Ltd  Location: West End Nurseries, Westward Ho, Leiston, Ip16 4hy  Authority: Suffolk Coastal District Council, Environmental Health Department  Permit Reference: PPC07  Dated: 1st March 2007  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/12 Combustion of fuel manufactured from/or comprised of, solid waste in appliances between 0.4-3MW thermal input  <b>Status: Permitted</b>  Positional Accuracy: Manually positioned to the address or location</p>	A12SE (E)	368	3	644007 263077
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: L B Shotter &amp; Sons  Location: Waterloo Avenue, Leiston, Suffolk, IP16 4HN  Authority: Suffolk Coastal District Council, Environmental Health Department  Permit Reference: EPA55  Dated: 7th February 2000  Process Type: Local Authority Air Pollution Control  Description: PG1/14 Petrol filling station  <b>Status: Authorised</b>  Positional Accuracy: Automatically positioned to the address</p>	A8NW (SE)	424	3	643753 262604
	<p><b>Nearest Surface Water Feature</b></p>	A11SE (SE)	91	-	643246 262977
	<p><b>River Quality</b></p> <p>Name: Thorpeness Hundred  GQA Grade: River Quality E  Reach: Harrow Fm.Theberton...Coldfair Green  Estimated Distance (km): 3.8  Flow Rate: Flow less than 0.31 cumecs  Flow Type: River  Year: 2000</p>	A10SW (W)	891	2	642133 262902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p><b>Water Abstractions</b></p> <p>Operator: F L Readhead  Licence Number: 7/35/03/*G/0008  Permit Version: 100  Location: Well At House Fm,Leiston  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 December 1965  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A11SW (SW)	264	2	642820 262910
9	<p><b>Water Abstractions</b></p> <p>Operator: L F Geater &amp; Sons Ltd  Licence Number: 7/35/03/*G/0025  Permit Version: 100  Location: Bore At West End Nurseries  Authority: Environment Agency, Anglian Region  Abstraction: General Agriculture: Spray Irrigation - Direct  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Crag; Status: Perpetuity  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st April 2018  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (E)	364	2	644000 263100
10	<p><b>Water Abstractions</b></p> <p>Operator: Richard Garrett Engineering  Licence Number: 7/35/03/*g/055  Permit Version: Not Supplied  Location: Bored Well Off Main St, LEISTON  Authority: Environment Agency, Anglian Region  Abstraction: Industrial Processing ( Miscellaneous)  Abstraction Type: Not Supplied  Source: Well And Borehole  Daily Rate (m3): 4  Yearly Rate (m3): 18000  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>	A12SE (E)	418	2	644000 262820
11	<p><b>Water Abstractions</b></p> <p>Operator: L F Geater &amp; Sons Ltd  Licence Number: 7/35/03/*g/025  Permit Version: Not Supplied  Location: Well At West End Nurseries, LEISTON  Authority: Environment Agency, Anglian Region  Abstraction: Spray Irrigation  Abstraction Type: Not Supplied  Source: Well And Borehole  Daily Rate (m3): 11  Yearly Rate (m3): 205000  Details: Crag; 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>	A12SE (E)	427	2	644060 263120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Northumbrian Water Ltd  Licence Number: 7/35/03/*G/0072  Permit Version: 104  Location: Borehole At Leiston  Authority: Environment Agency, Anglian Region  Abstraction: Public Water Supply: Potable Water Supply - Direct  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Leiston  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th November 2009  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A4SE (SE)	1298	2	644100 261800
	<p><b>Water Abstractions</b></p> <p>Operator: Northumbrian Water Ltd  Licence Number: 7/35/03/*G/0072  Permit Version: 103  Location: Borehole At Leiston  Authority: Environment Agency, Anglian Region  Abstraction: Public Water Supply: Potable Water Supply - Direct  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Leiston  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 10th March 2005  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A4SE (SE)	1298	2	644100 261800
	<p><b>Water Abstractions</b></p> <p>Operator: Northumbrian Water Ltd  Licence Number: 7/35/03/*G/0072  Permit Version: 102  Location: Borehole At Leiston  Authority: Environment Agency, Anglian Region  Abstraction: Public Water Supply: Potable Water Supply - Direct  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 29th September 2004  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A4SE (SE)	1298	2	644100 261800
	<p><b>Water Abstractions</b></p> <p>Operator: Northumbrian Water Ltd  Licence Number: 7/35/03/*G/0072  Permit Version: 101  Location: Borehole At Leiston  Authority: Environment Agency, Anglian Region  Abstraction: Public Water Supply: Potable Water Supply - Direct  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Crag; Status: Perpetuity  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 1st April 2000  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A4SE (SE)	1298	2	644100 261800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Manor Farm Knodishall Licence Number: 7/35/03/*G/0001 Permit Version: 102 Location: Borehole In Manor Farm, Knodishall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Manor Farm, Knodishall Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 17th December 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1912	2	642800 261200
	<b>Water Abstractions</b> Operator: James Barr & Sons (Farmers) Licence Number: 7/35/03/*G/0001 Permit Version: 101 Location: Borehole In Manor Farm, Knodishall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Manor Farm, Knodishall Authorised Start: 01 March Authorised End: 30 September Permit Start Date: 31st August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1912	2	642800 261200
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 33 East Suffolk Scale: 1:100,000	A11SE (W)	0	2	643152 263115
	<b>Groundwater Vulnerability</b> 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	A11SE (SE)	0	2	643228 262942
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 33 East Suffolk Scale: 1:100,000	A10NE (W)	0	2	642592 263168
	<b>Drift Deposits</b> Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 33 East Suffolk Scale: 1:100,000	A11SE (W)	0	2	643152 263115
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Principal Aquifer	A11SE (W)	0	4	643152 263115
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A8NW (SE)	0	4	643721 262611
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A11SE (W)	0	4	643152 263115
12	<b>Source Protection Zones</b> Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A11SE (W)	0	2	643152 263115



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<b>Source Protection Zones</b> Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A11SE (W)	0	2	643152 263115
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
14	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 942.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hundred River Catchment Name: Suffolk Coastal Primacy: 1	A6NW (W)	728	5	642343 262789
15	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 327.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hundred River Catchment Name: Suffolk Coastal Primacy: 1	A6NW (W)	734	5	642329 262807
16	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 241.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (NW)	791	5	642311 263522
17	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 427.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A10NW (NW)	793	5	642294 263492
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 521.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A10NW (NW)	793	5	642294 263492
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 70.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A10SW (W)	845	5	642156 263084
20	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hundred River Catchment Name: Suffolk Coastal Primacy: 1	A10SW (W)	845	5	642156 263084

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A10SW (W)	865	5	642137 263120
22	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 186.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A10SW (W)	866	5	642136 263122
23	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A10SW (W)	889	5	642116 263026
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (NW)	924	5	642279 263717
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 581.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (NW)	924	5	642279 263717
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (NW)	956	5	642275 263761
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 324.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Suffolk Coastal Primacy: 1	A14SW (NW)	957	5	642294 263785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<b>Historical Landfill Sites</b> Licence Holder: NJB Contractors Location: Church Lane, Leiston Name: Dunns Hole Operator Location: Eastlands Industrial Estate, Leiston Boundary Accuracy: As Supplied Provider Reference: EAHLD03037 First Input Date: 31st December 1984 Last Input Date: 31st December 1986 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3500/0616 BGS Ref: Not Supplied Other Ref: 907/01/16/22, FSSC 9	A8SE (SE)	678	2	643957 262416
29	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 70794 Location: Units 12c & 13d, Masterlord Industrial Estate, Leiston, Suffolk, IP16 4JD Operator Name: Shotley Holdings Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Household, Commercial And Industrial Transfer Stations <b>Licence Status: Modified</b> Issued: 26th July 1996 Last Modified: 10th November 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (E)	427	2	644000 262800
	<b>Local Authority Landfill Coverage</b> Name: Suffolk County Council - Has supplied landfill data		0	6	643152 263115
	<b>Local Authority Landfill Coverage</b> Name: Suffolk Coastal District Council - Had landfill data but passed it to the relevant environment agency		0	3	643152 263115
30	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	A16SE (NE)	106	-	643830 263822
31	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	A7SW (SW)	701	-	642757 262445
32	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A8SE (SE)	784	-	643795 262243
33	<b>Registered Landfill Sites</b> Licence Holder: M J Taylor - M & B Skip Hire Licence Reference: SFK/LS/092/01 Site Location: Aldhurst Farm, Leiston, Suffolk Licence Easting: 643950 Licence Northing: 263250 Operator Location: 54 Westward Ho, LEISTON, Suffolk, IP16 4HU Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site Closed Dated: 4th June 1990 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Suffolk Cat.A Non-Decomposing Waste Suffolk Cat.Bi Gen.Waste (Slow Decomp) Prohibited Waste: Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A12NE (E)	299	2	643950 263250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: N.J.B. Contractors            Licence Reference: 907/01/16/22            Site Location: Dunns Hole, Off Church Lane, Leiston, Suffolk            Licence Easting: 644000            Licence Northing: 262370            Operator Location: Eastlands Industrial Estate, LEISTON, Suffolk, IP6 4LL            Authority: Environment Agency - Anglian Region, Eastern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st July 1984            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox</p>	A8SE (SE)	739	2	644000 262370
35	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: D B Free            Licence Reference: SFK/TS/149/01            Site Location: Skipaway Transfer Station, Masterlord Industrial Estate, Leiston, Suffolk            Operator Location: Parkside, Aldeburgh Road, Aldringham, LEISTON, Suffolk, IP16 4PR            Authority: Environment Agency - Anglian Region, Eastern Area            Site Category: Transfer            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Licence Status: Operational as far as is knownOperational            Dated: 1st September 1997            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned within the geographical locality            Boundary Quality: Not Supplied            Authorised Waste: Max.Waste Permitted By Licence            Suffolk Type 1 'Slowly Degradable'            Suffolk Type 2 'Degradable/Polluting'            Prohibited Waste: Food Waste            Liquid Wastes            Mat'ls Incl. Food/Veg.Matter            Percussive/Explosive/Similar Waste            Sludge Wastes            Spec.Waste (Epa'90:S62/1996 Regs)            Sub'S Control. Radioactive Subs Act'60            Waste N.O.S.</p>	A8NE (E)	517	2	644100 262800
35	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: M J Taylor t/a M &amp; B Skiphire            Licence Reference: SFK/TS/140/01            Site Location: Units 12C/13D Masterlord Industrial Est, LEISTON, Suffolk, IP16 4JD            Operator Location: 57 Westward Ho, LEISTON, Suffolk, IP16 4HU            Authority: Environment Agency - Anglian Region, Eastern Area            Site Category: Transfer            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Licence Status: Operational as far as is knownOperational            Dated: 26th July 1996            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Quality: Not Supplied            Authorised Waste: Max.Waste Permitted By Licence            Suffolk Type 1 'Slowly Degradable'            Suffolk Type 2 'Degradable/Polluting'            Prohibited Waste: Liquid Wastes            Percussive/Explosive/Similar Waste            Sludge Wastes            Special Wastes            Sub'S Control. Radioactive Subs Act'60            Waste N.O.S.</p>	A8NE (E)	517	2	644100 262800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Neogene To Quaternary Rocks (Undifferentiated)	A11SE (W)	0	1	643152 263115
	<b>BGS Estimated Soil Chemistry</b> 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	A11SE (W)	0	1	643152 263115
	<b>BGS Estimated Soil Chemistry</b> 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	A10SE (W)	0	1	642530 263039
	<b>BGS Estimated Soil Chemistry</b> 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	A11SW (SW)	102	1	643000 263000
	<b>BGS Estimated Soil Chemistry</b> 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	A10SW (W)	647	1	642397 262870
	<b>BGS Estimated Soil Chemistry</b> 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	A10SW (W)	665	1	642344 263000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A10SW (W)	710	1	642298 263000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> 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 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	740	1	643000 264000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (W)	871	1	642171 262837
	<b>BGS Estimated Soil Chemistry</b> 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:	A9NE (W)	990	1	642016 263205
	<b>BGS Estimated Soil Chemistry</b> 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 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NW (S)	993	1	643016 262095
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NW (S)	996	1	643000 262095
36	<b>BGS Recorded Mineral Sites</b> Site Name: Johnson'S Farm Pit Location: Leiston, Suffolk Source: British Geological Survey, National Geoscience Information Service Reference: 211942 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SW (SE)	67	1	643444 262958

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Rookwood Farm Sand Pit            Location: Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 211912            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Neogene            Geology: Crag Group            Commodity: Sand            Positional Accuracy: Located by supplier to within 10m</p>	A16SE (NE)	95	1	643842 263820
38	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Leiston House Farm Sand Pit            Location: Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 211893            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Neogene            Geology: Crag Group            Commodity: Sand            Positional Accuracy: Located by supplier to within 10m</p>	A10SE (W)	346	1	642656 263078
39	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Crossing Farm Pit            Location: Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 211897            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Quaternary            Geology: Lowestoft Formation            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A10NE (W)	452	1	642561 263212
40	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Saxmundham Road Pit            Location: Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 211943            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Quaternary            Geology: Lowestoft Formation            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A7NW (S)	522	1	643041 262569
41	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Knodishall Hall Clay Pit            Location: Knodishall, Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 212598            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Quaternary            Geology: Lowestoft Formation            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	702	1	642753 262446
42	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Crossing Farm Pit            Location: Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 211902            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Quaternary            Geology: Lowestoft Formation            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A14SW (NW)	932	1	642303 263757

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Crossing Farm Pit            Location: Leiston, Suffolk            Source: British Geological Survey, National Geoscience Information Service            Reference: 211901            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Quaternary            Geology: Lowestoft Formation            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A14SW (NW)	935	1	642353 263815
	<p><b>BGS Measured Urban Soil Chemistry</b></p> <p>No data available</p>				
	<p><b>BGS Urban Soil Chemistry Averages</b></p> <p>No data available</p>				
	<p><b>Coal Mining Affected Areas</b></p> <p>In an area that might not be affected by coal mining</p>				
	<p><b>Non Coal Mining Areas of Great Britain</b></p> <p>No Hazard</p>				
	<p><b>Potential for Collapsible Ground Stability Hazards</b></p> <p>Hazard Potential: Very Low            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115
	<p><b>Potential for Compressible Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115
	<p><b>Potential for Ground Dissolution Stability Hazards</b></p> <p>Hazard Potential: No Hazard            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115
	<p><b>Potential for Landslide Ground Stability Hazards</b></p> <p>Hazard Potential: Very Low            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115
	<p><b>Potential for Running Sand Ground Stability Hazards</b></p> <p>Hazard Potential: Very Low            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: No Hazard            Source: British Geological Survey, National Geoscience Information Service</p>	A8NW (SE)	0	1	643721 262611
	<p><b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b></p> <p>Hazard Potential: Low            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115
	<p><b>Radon Potential - Radon Affected Areas</b></p> <p>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</p>	A11SE (W)	0	1	643152 263115
	<p><b>Radon Potential - Radon Protection Measures</b></p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions            Source: British Geological Survey, National Geoscience Information Service</p>	A11SE (W)	0	1	643152 263115



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Dkm Auto Repairs            Location: Aldhurst Farm, 2, Leiston, Suffolk, IP16 4TB            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A16NE (NE)	75	-	643940 263936
45	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cleaners 4 Hygiene            Location: 81, St. Margarets Crescent, Leiston, IP16 4HP            Classification: Car Washing &amp; Polishing Equipment &amp; Supplies            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (SE)	247	-	643569 262765
46	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Leiston Cemetery            Location: Waterloo Av, Leiston, Suffolk, IP16 4HE            Classification: Cemeteries &amp; Crematoria            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A8NW (SE)	329	-	643503 262688
47	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Esso            Location: Waterloo Avenue Service Station, 47, Waterloo Avenue, Leiston, Suffolk, IP16 4HN            Classification: Petrol Filling Stations            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	417	-	643763 262615
47	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Esso            Location: Waterloo Avenue Service Station, 47, Waterloo Avenue, Leiston, IP16 4HN            Classification: Petrol Filling Stations            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (SE)	424	-	643753 262604
48	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Robert Cassidy Precision Engineering            Location: Unit 1-1b, Master Lord Industrial Estate, Leiston, Suffolk, IP16 4JD            Classification: Precision Engineers            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (E)	500	-	644099 262838
48	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Appleton Engineering            Location: Unit 13A, Master Lord Industrial Estate, Leiston, Suffolk, IP16 4JD            Classification: Mot Testing Centres            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (E)	500	-	644099 262838
48	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Meregrove Ltd            Location: Master Lord Industrial Estate, Leiston, Suffolk, IP16 4JD            Classification: Furniture Manufacturers - Home &amp; Office            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (E)	500	-	644099 262838
48	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Leiston Press            Location: Unit 1-1b, Master Lord Industrial Estate, Leiston, Suffolk, IP16 4JD            Classification: Printers            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (E)	500	-	644099 262838
49	<p><b>Fuel Station Entries</b></p> <p>Name: Waterloo Avenue Service Station            Location: Waterloo Avenue , , Leiston, Suffolk, IP16 4HN            Brand: ESSO            Premises Type: Petrol Station            Status: <b>Open</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	417	-	643763 262615
50	<p><b>Points of Interest - Commercial Services</b></p> <p>Name: Waterloo Avenue Service Station            Location: Waterloo Avenue Service Station, 47, Waterloo Avenue, Leiston, IP16 4HN            Category: Personal, Consumer and other Services            Class Code: Vehicle Cleaning Services            Positional Accuracy: Positioned to address or location</p>	A8NW (SE)	417	7	643763 262614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: Waterloo Avenue Service Station 47, Waterloo Avenue, Leiston, IP16 4HN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	417	7	643763 262615
51	<b>Points of Interest - Commercial Services</b> Name: G E H Location: Unit 1-5 Master Lord Industrial Estate, Leiston, IP16 4JD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (E)	500	7	644099 262838
51	<b>Points of Interest - Commercial Services</b> Name: John Appleton Location: Unit 13A, Master Lord Industrial Estate, Leiston, IP16 4JD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (E)	500	7	644099 262838
51	<b>Points of Interest - Commercial Services</b> Name: Appleton Engineering Location: Unit 13a, Master Lord Industrial Estate, Leiston, IP16 4JD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (E)	500	7	644099 262838
52	<b>Points of Interest - Manufacturing and Production</b> Name: Masterlord Industrial Park Location: IP16 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	340	7	643933 262859
53	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SW (SE)	87	7	643516 262930
53	<b>Points of Interest - Public Infrastructure</b> Name: Leiston Cemetery Location: IP16 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A12SW (SE)	111	7	643491 262908
54	<b>Points of Interest - Public Infrastructure</b> Name: Esso Location: Waterloo Avenue Service Station 47, Waterloo Avenue, Leiston, IP16 4HN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SE)	417	7	643763 262614
54	<b>Points of Interest - Public Infrastructure</b> Name: Esso Location: Waterloo Avenue Service Station 47, Waterloo Avenue, Leiston, IP16 4HN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SE)	417	7	643763 262614
54	<b>Points of Interest - Public Infrastructure</b> Name: Waterloo Avenue Service Station Location: Waterloo Avenue Service Station, Waterloo Avenue, Leiston, IP16 4HN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SE)	424	7	643753 262604
54	<b>Points of Interest - Public Infrastructure</b> Name: Waterloo Avenue Service Station Location: Waterloo Avenue Service Station 47, Waterloo Avenue, Leiston, IP16 4HN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SE)	424	7	643753 262604

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<b>Ancient Woodland</b> Name: Buckles Wood Reference: 1117368 Area(m <sup>2</sup> ): 47308.6 Type: Ancient and Semi-Natural Woodland	A11NE (N)	0	8	643190 263320
56	<b>Nitrate Vulnerable Zones</b> Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A11SE (W)	0	4	643152 263115
57	<b>Nitrate Vulnerable Zones</b> Name: Leiston Beck Nvz Description: Surface Water Source: Environment Agency, Head Office	A11SE (SE)	0	4	643279 263052
58	<b>Nitrate Vulnerable Zones</b> Name: Yoxford Description: Groundwater Source: Environment Agency, Head Office	A15NE (N)	211	4	643367 264140
59	<b>Nitrate Vulnerable Zones</b> Name: Leiston Beck And Minsmere Old River Nvz Description: Surface Water Source: Environment Agency, Head Office	A15NE (N)	211	4	643367 264140

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Suffolk Coastal District Council - Environmental Health Department	March 2015	Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	October 2018	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	Annual Rolling Update
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	October 2018	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Suffolk Coastal District Council - Environmental Health Department	April 2014	Variable
<b>Local Authority Pollution Prevention and Controls</b> Suffolk Coastal District Council - Environmental Health Department	April 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Suffolk Coastal District Council - Environmental Health Department	April 2014	Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	September 2017	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	Annual Rolling Update
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	Annual Rolling Update
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	June 2016	
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Eastern Area	October 2018	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	October 2018	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	October 2017	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	January 2018	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2018	Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	August 2018	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2018	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	October 2018	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	July 2018	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area	July 2018	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area	October 2018	Quarterly
<b>Local Authority Landfill Coverage</b> Suffolk Coastal District Council - Environmental Health Department Suffolk County Council	May 2000 May 2000	Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Suffolk Coastal District Council - Environmental Health Department Suffolk County Council	May 2000 May 2000	Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Variable
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Suffolk County Council - Environment and Transport Suffolk Coastal District Council	February 2006 February 2016	Annual Rolling Update Variable
<b>Planning Hazardous Substance Consents</b> Suffolk County Council - Environment and Transport Suffolk Coastal District Council	February 2006 February 2016	Annual Rolling Update Variable
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	November 2018	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	November 2018	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	
<b>Points of Interest - Commercial Services</b> PointX	September 2018	Quarterly
<b>Points of Interest - Education and Health</b> PointX	September 2018	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	September 2018	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	September 2018	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	September 2018	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	August 2018	Bi-Annually
<b>Areas of Outstanding Natural Beauty</b> Natural England	August 2018	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	August 2018	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	January 2018	Bi-Annually
<b>National Nature Reserves</b> Natural England	August 2018	Bi-Annually
<b>National Parks</b> Natural England	April 2017	Bi-Annually
<b>Nitrate Vulnerable Zones</b> Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2018	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	October 2018	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	August 2018	Bi-Annually
<b>Special Protection Areas</b> Natural England	August 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	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	



Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> 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	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Suffolk Coastal District Council - Environmental Health Department</b> Council Offices, Melton Hill, Woodbridge, Suffolk, IP12 1AU	Telephone: 01394 383789 extn 2238 Fax: 01394 385100 Website: www.suffolkcoastal.gov.uk
4	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Suffolk County Council</b> St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
7	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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.

# 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		
	<b>-285</b> 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		
	Bracken		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

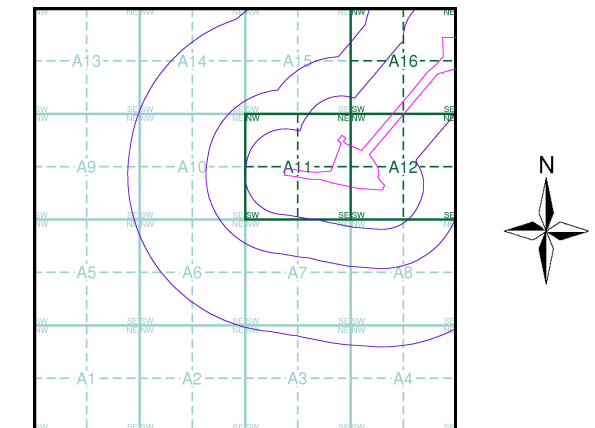
# Envirocheck®

LANDMARK INFORMATION GROUP®

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1883 - 1885	2
Suffolk	1:10,560	1905	3
Suffolk	1:10,560	1928	4
Suffolk	1:10,560	1938	5
Suffolk	1:10,560	1950 - 1951	6
Ordnance Survey Plan	1:10,000	1958	7
Ordnance Survey Plan	1:10,000	1977	8
10K Raster Mapping	1:10,000	2000	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2019	11

## Historical Map - Slice A



## Order Details

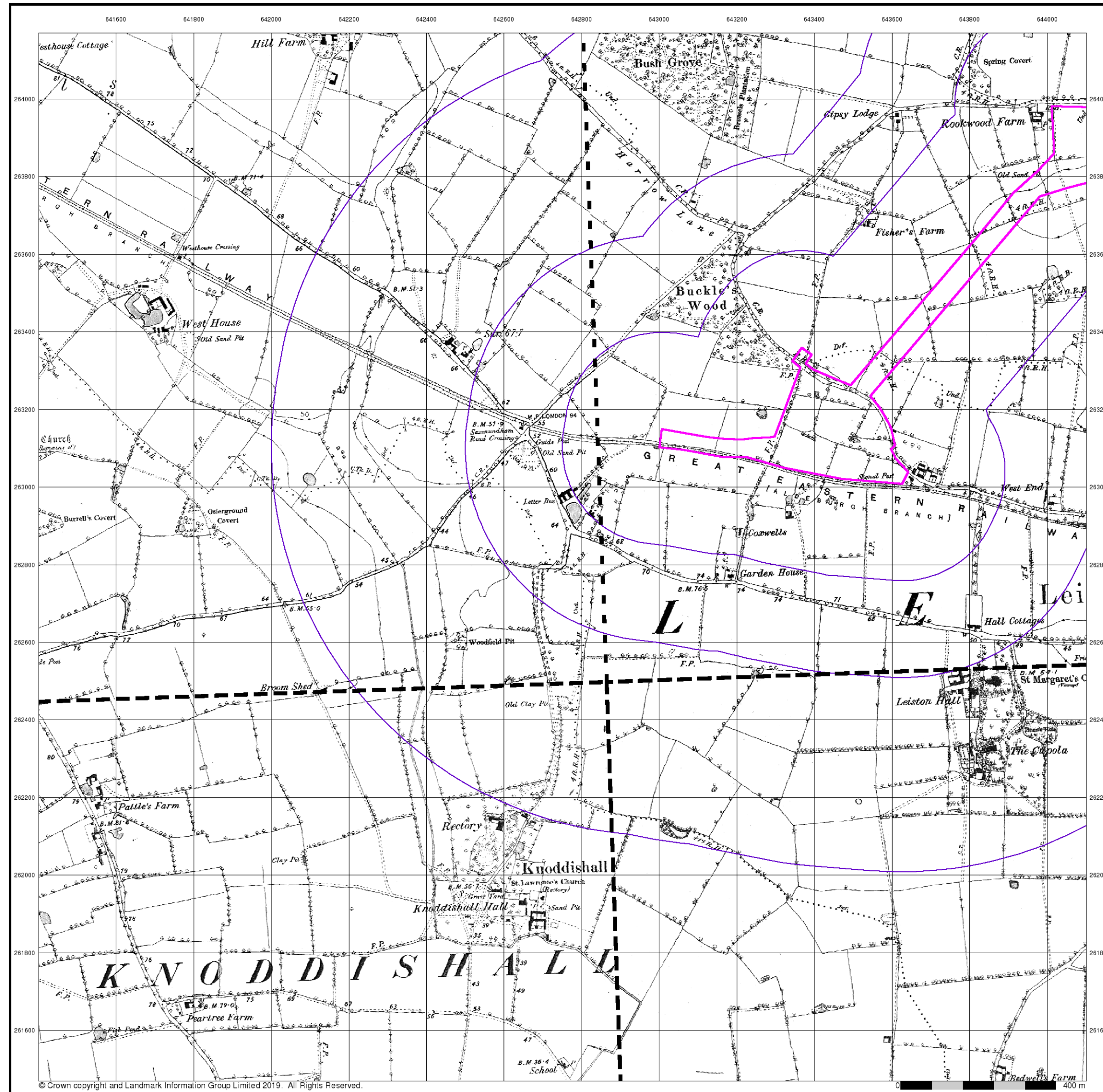
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

## Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

LANDMARK INFORMATION GROUP®

Suffolk

Published 1883 - 1885

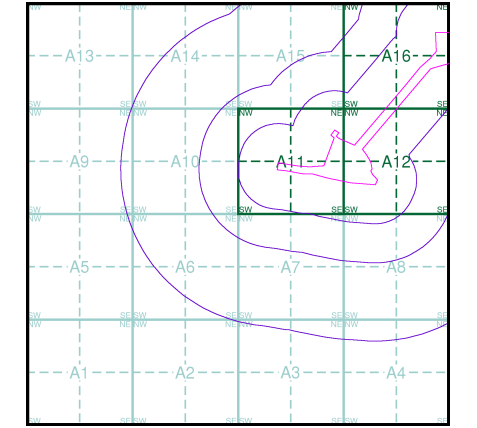
Source map scale - 1:10,560

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)

050SW 1885 1:10,560	050SE 1884 1:10,560
060NW 1884 1:10,560	060NE 1883 1:10,560

### Historical Map - Slice A



### Order Details

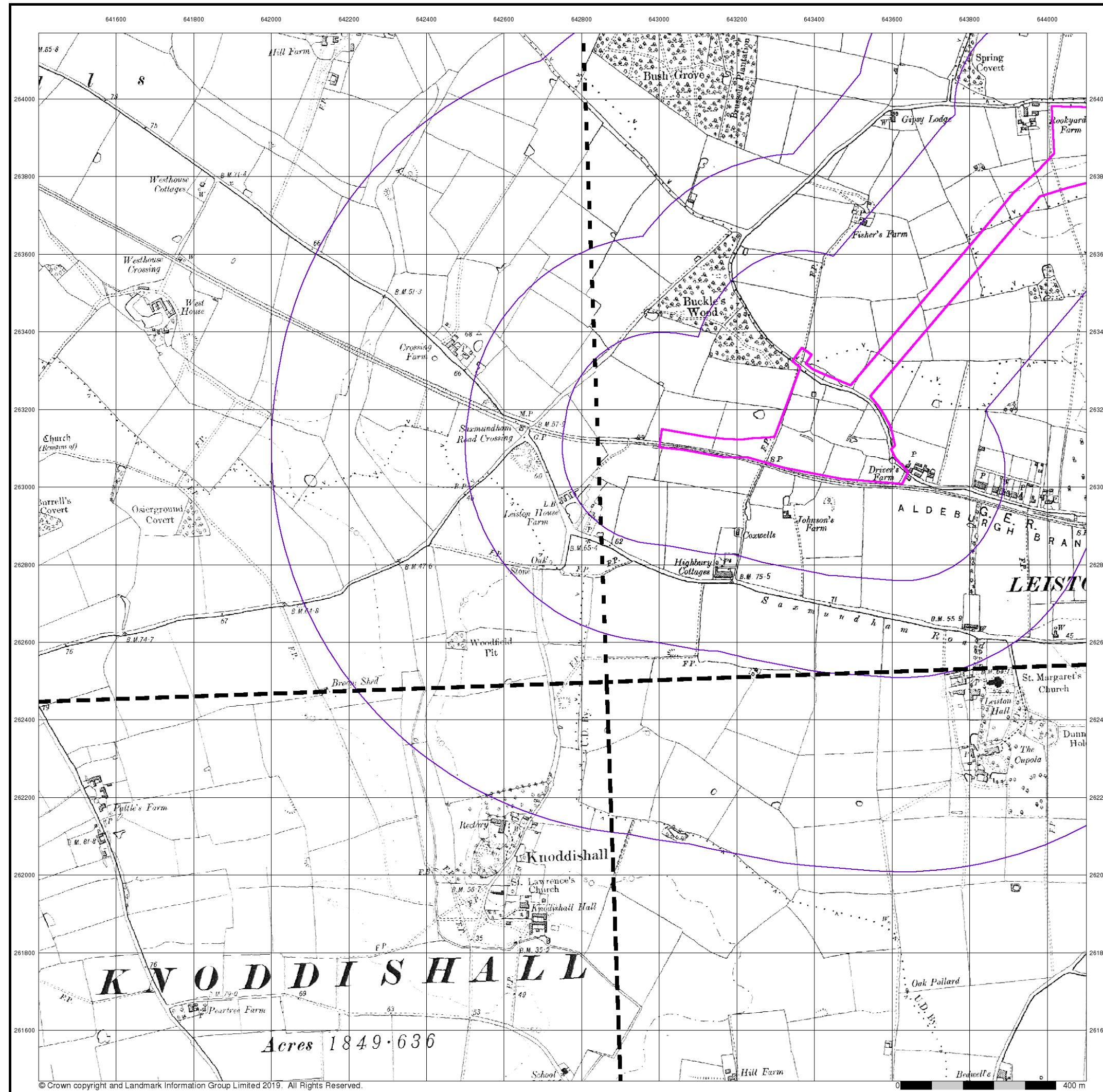
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

Landmark®  
 INFORMATION GROUP

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



# Envirocheck®

LANDMARK INFORMATION GROUP®

Suffolk

Published 1905

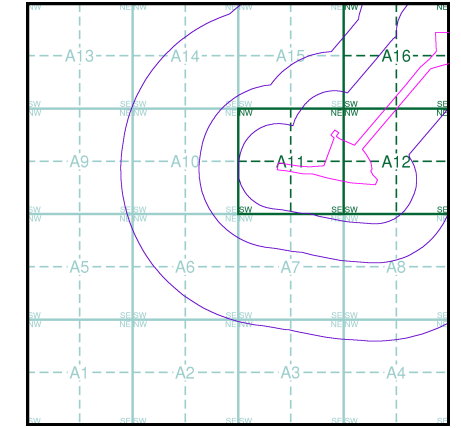
Source map scale - 1:10,560

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)

050SW 1905 1:10,560	050SE 1905 1:10,560
060NW 1905 1:10,560	060NE 1905 1:10,560

### Historical Map - Slice A



### Order Details

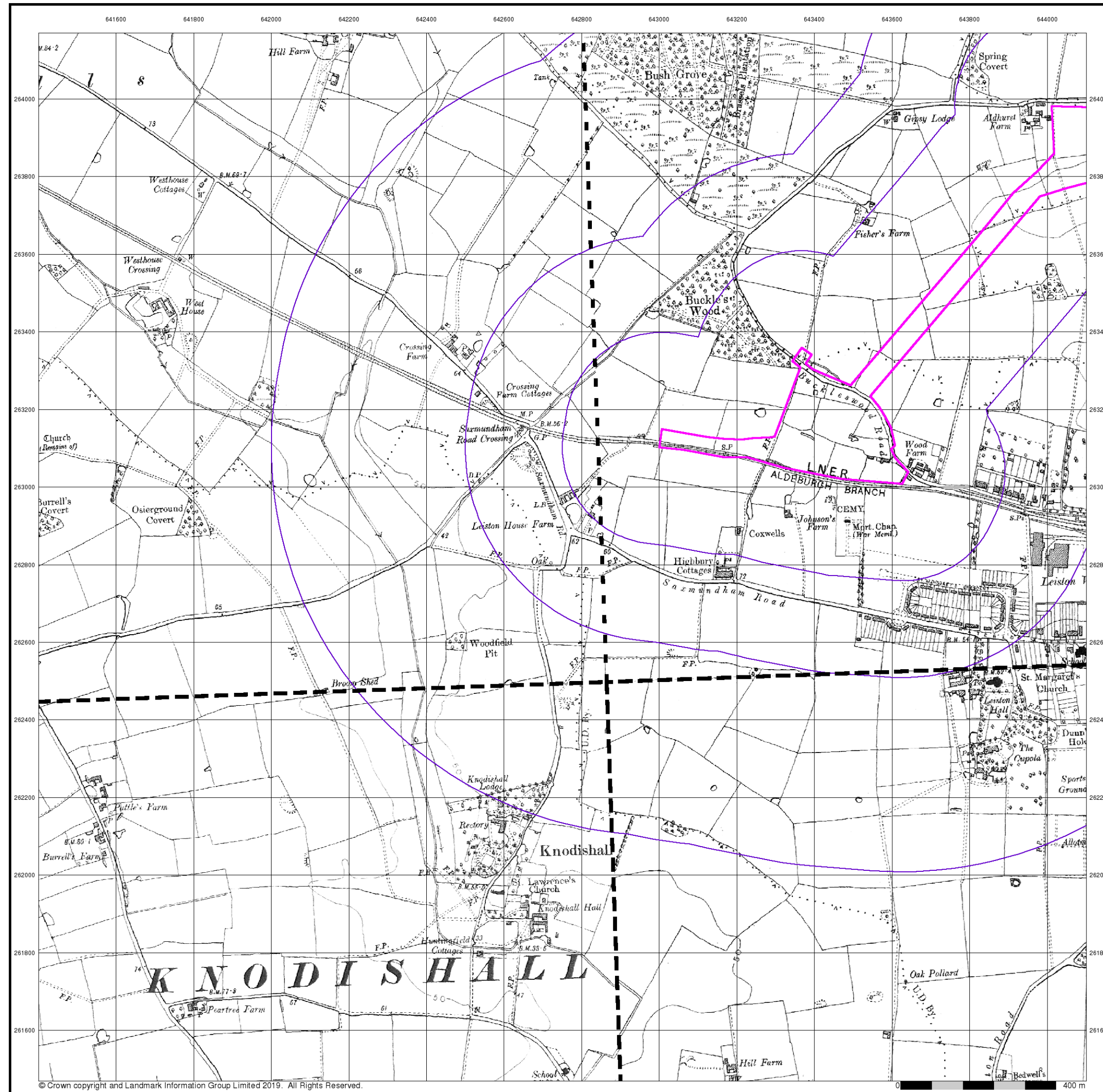
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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



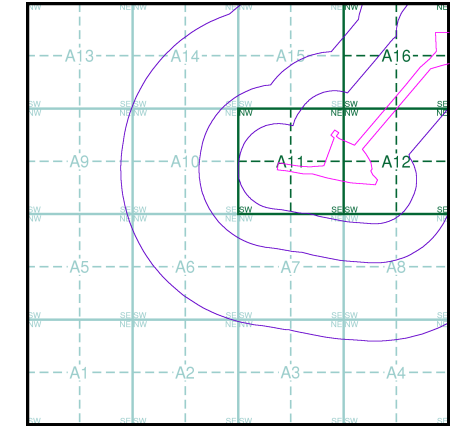
**Suffolk**  
**Published 1928**  
**Source map scale - 1:10,560**

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)**

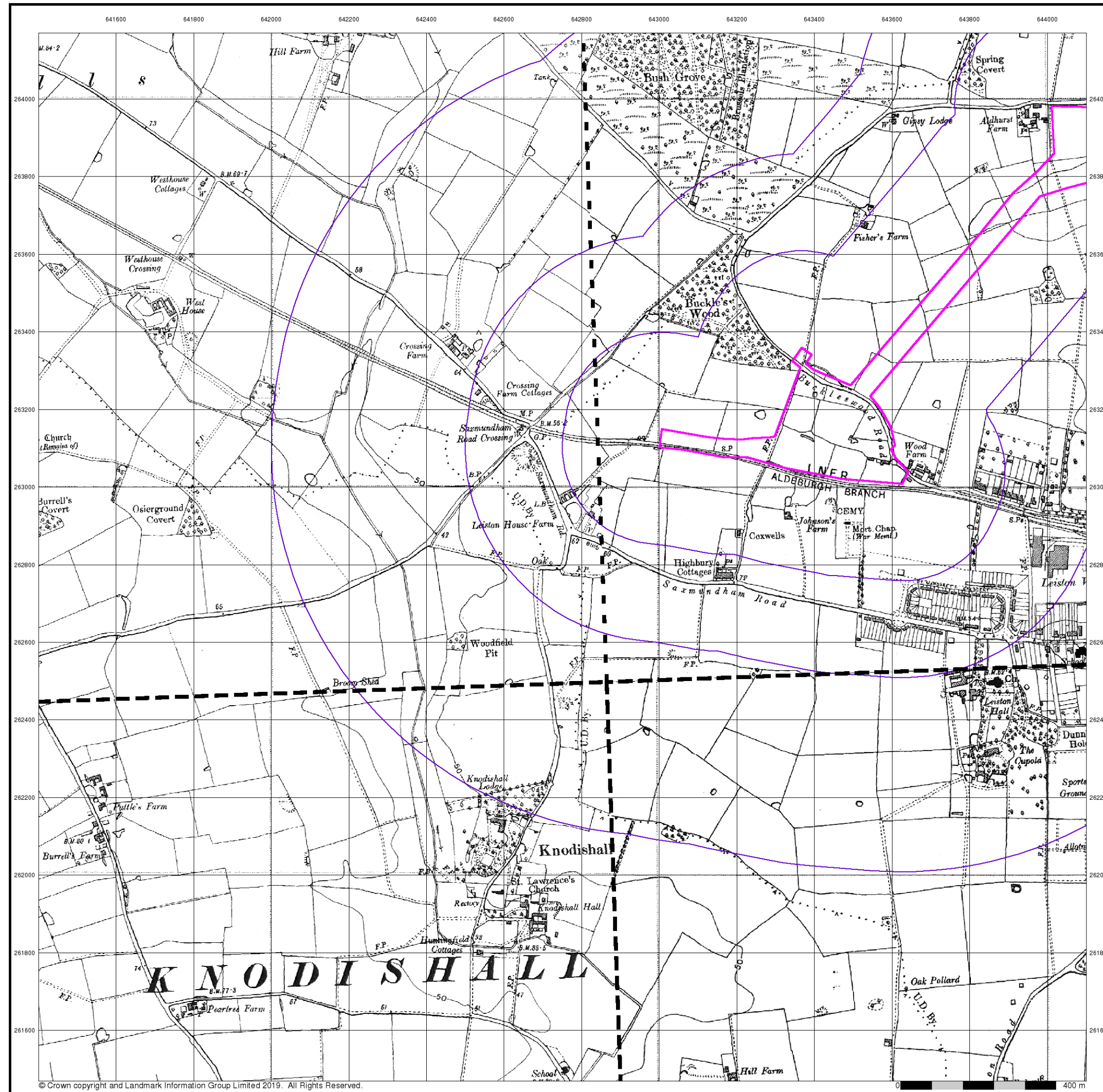
050SW 1928 1:10,560	050SE 1928 1:10,560
060NW 1928 1:10,560	060NE 1928 1:10,560

**Historical Map - Slice A**



**Order Details**  
 Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

**Site Details**  
 Site at, Leiston, Suffolk

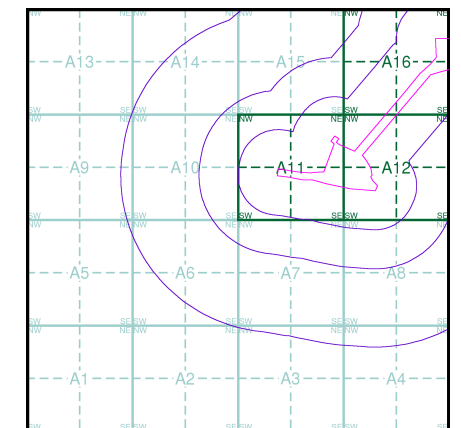


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

050SW 1938 1:10,560	050SE 1938 1:10,560
060NW 1938 1:10,560	060NE 1938 1:10,560

### Historical Map - Slice A

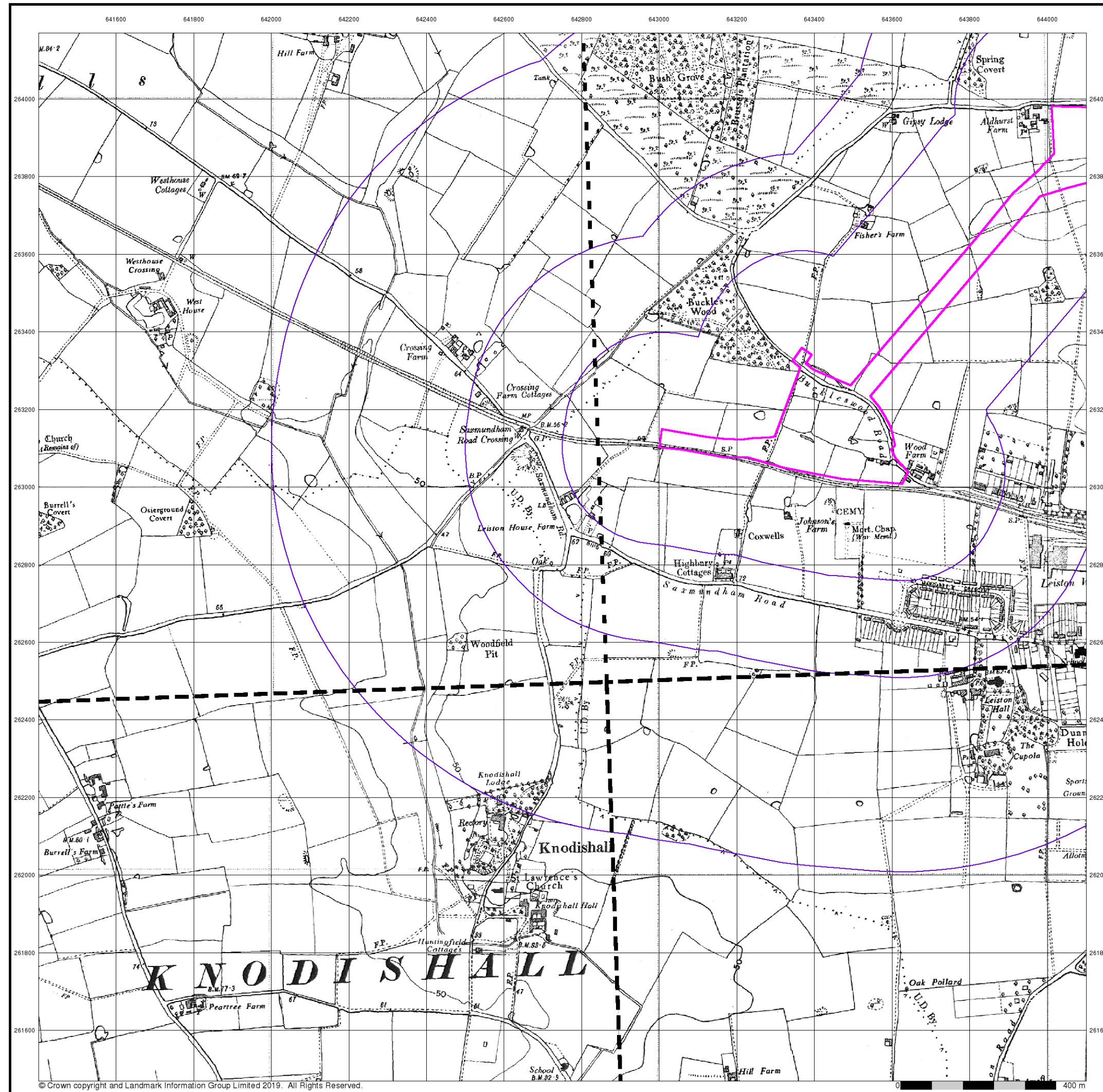


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk



# Envirocheck®

LANDMARK INFORMATION GROUP®

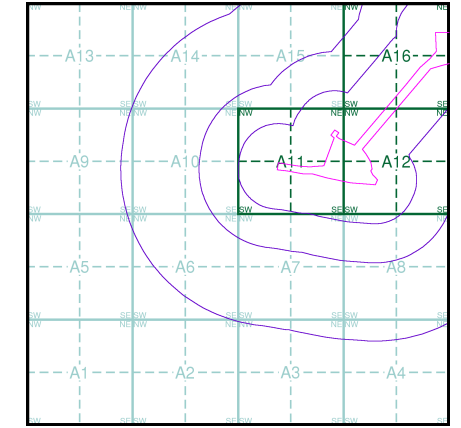
**Suffolk**  
**Published 1950 - 1951**  
**Source map scale - 1:10,560**

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)

050SW 1951 1:10,560	050SE 1950 1:10,560
060NW 1951 1:10,560	060NE 1951 1:10,560

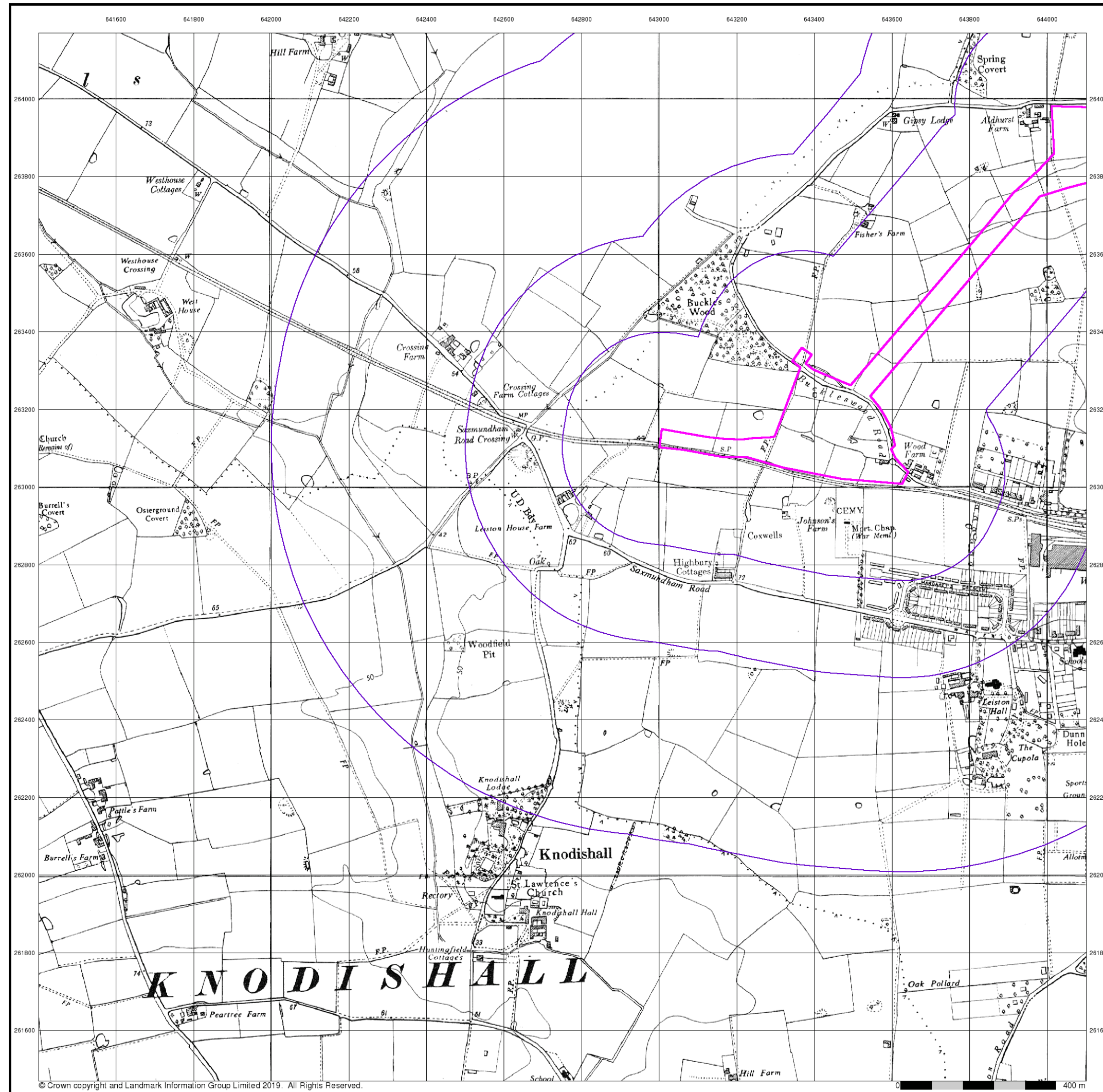
### Historical Map - Slice A



**Order Details**  
 Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

**Site Details**  
 Site at, Leiston, Suffolk

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



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

LANDMARK INFORMATION GROUP®

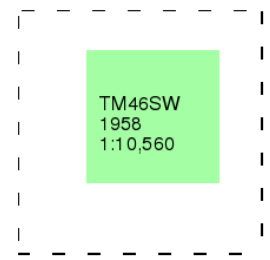
## Ordnance Survey Plan

Published 1958

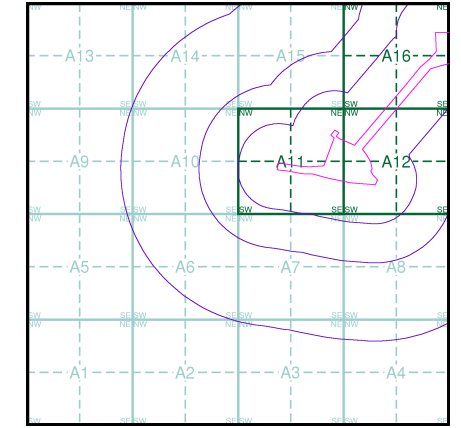
Source map scale - 1:10,000

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)



### Historical Map - Slice A



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

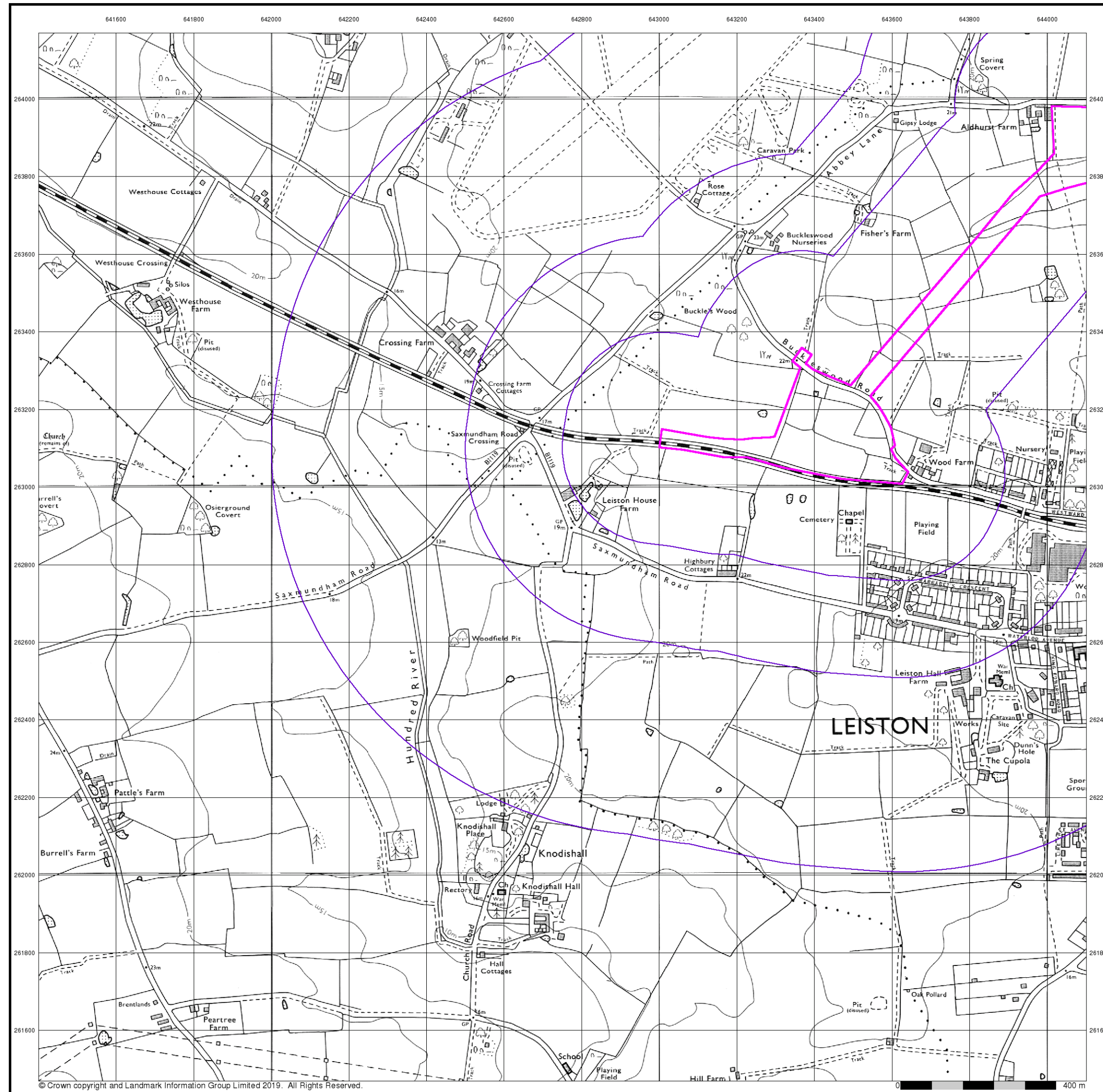
### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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





© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

LANDMARK INFORMATION GROUP®

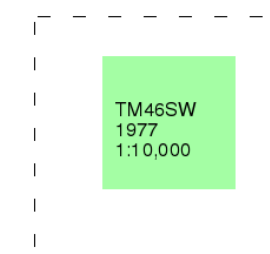
## Ordnance Survey Plan

Published 1977

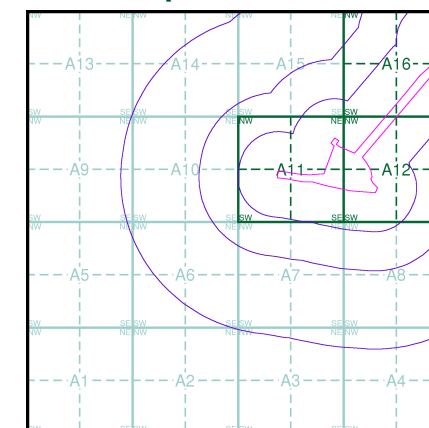
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

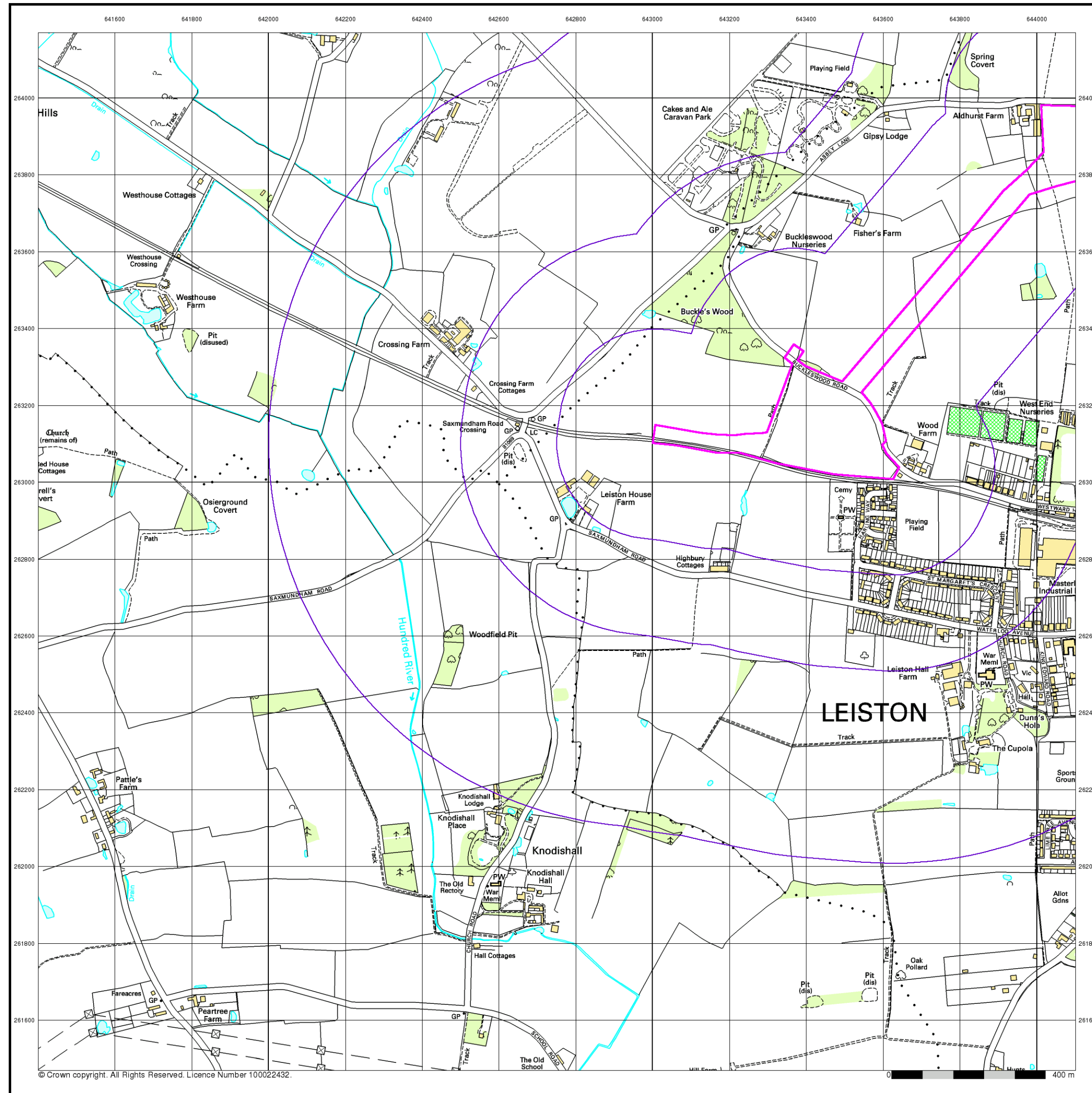
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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



# Envirocheck®

LANDMARK INFORMATION GROUP®

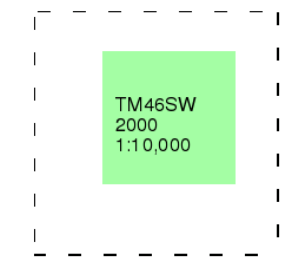
## 10k Raster Mapping

Published 2000

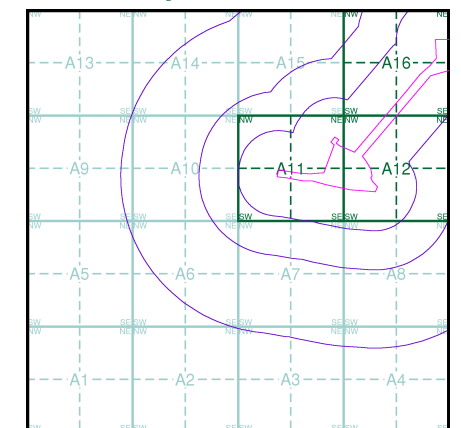
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

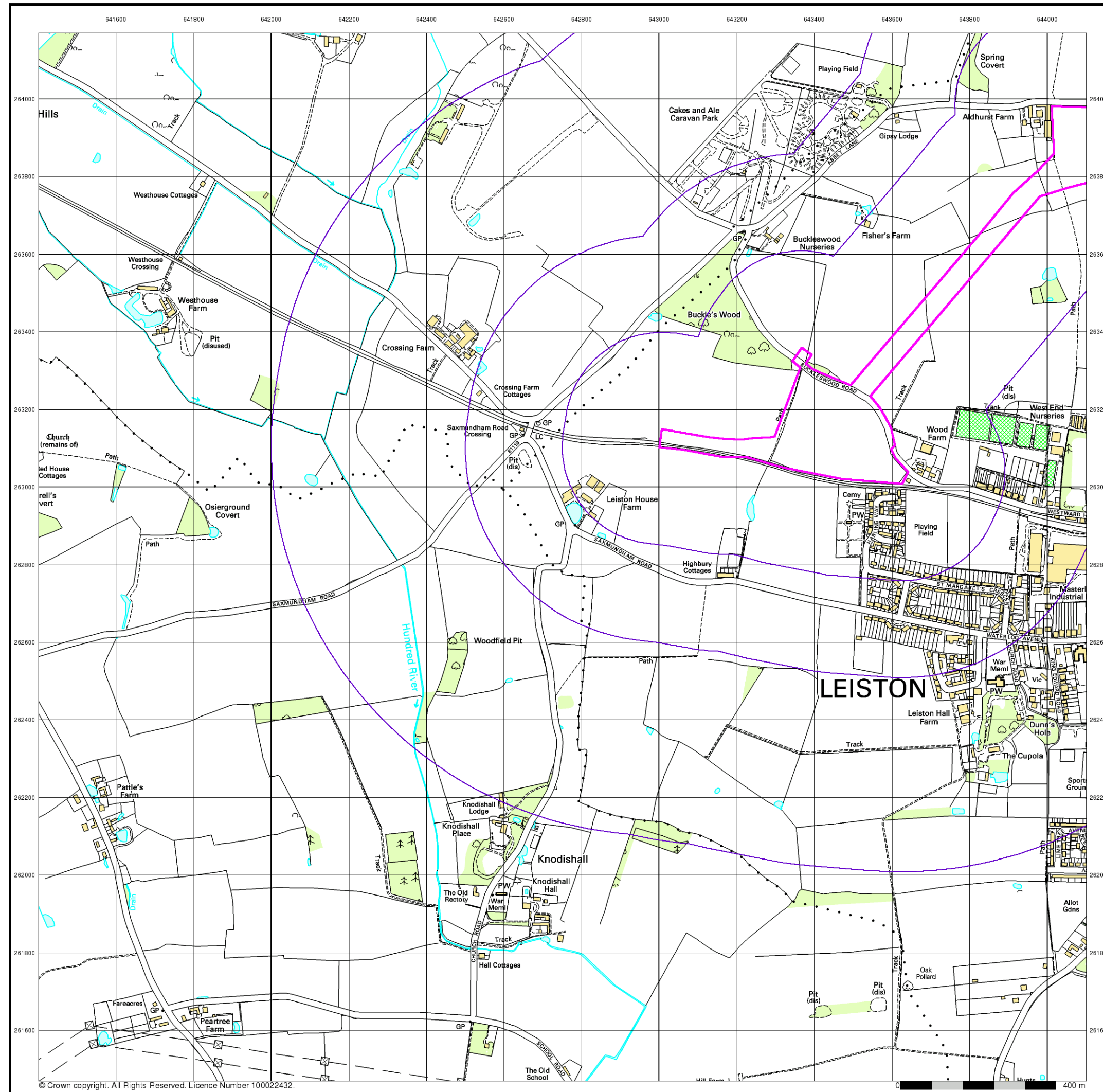
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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



# Envirocheck®

LANDMARK INFORMATION GROUP®

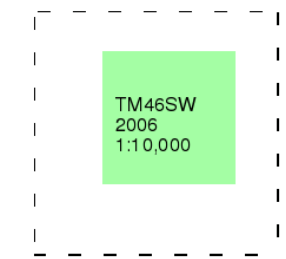
## 10k Raster Mapping

Published 2006

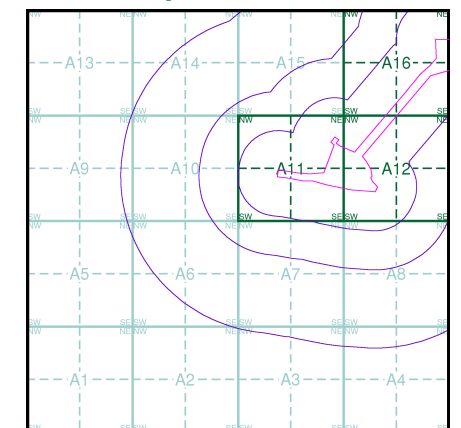
Source map scale - 1:10,000

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)



### Historical Map - Slice A



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

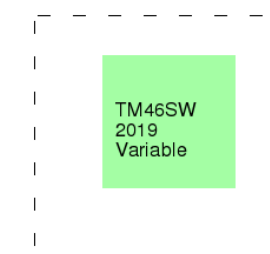
## VectorMap Local

Published 2019

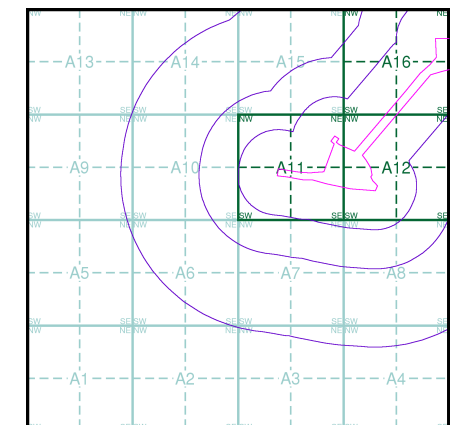
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A

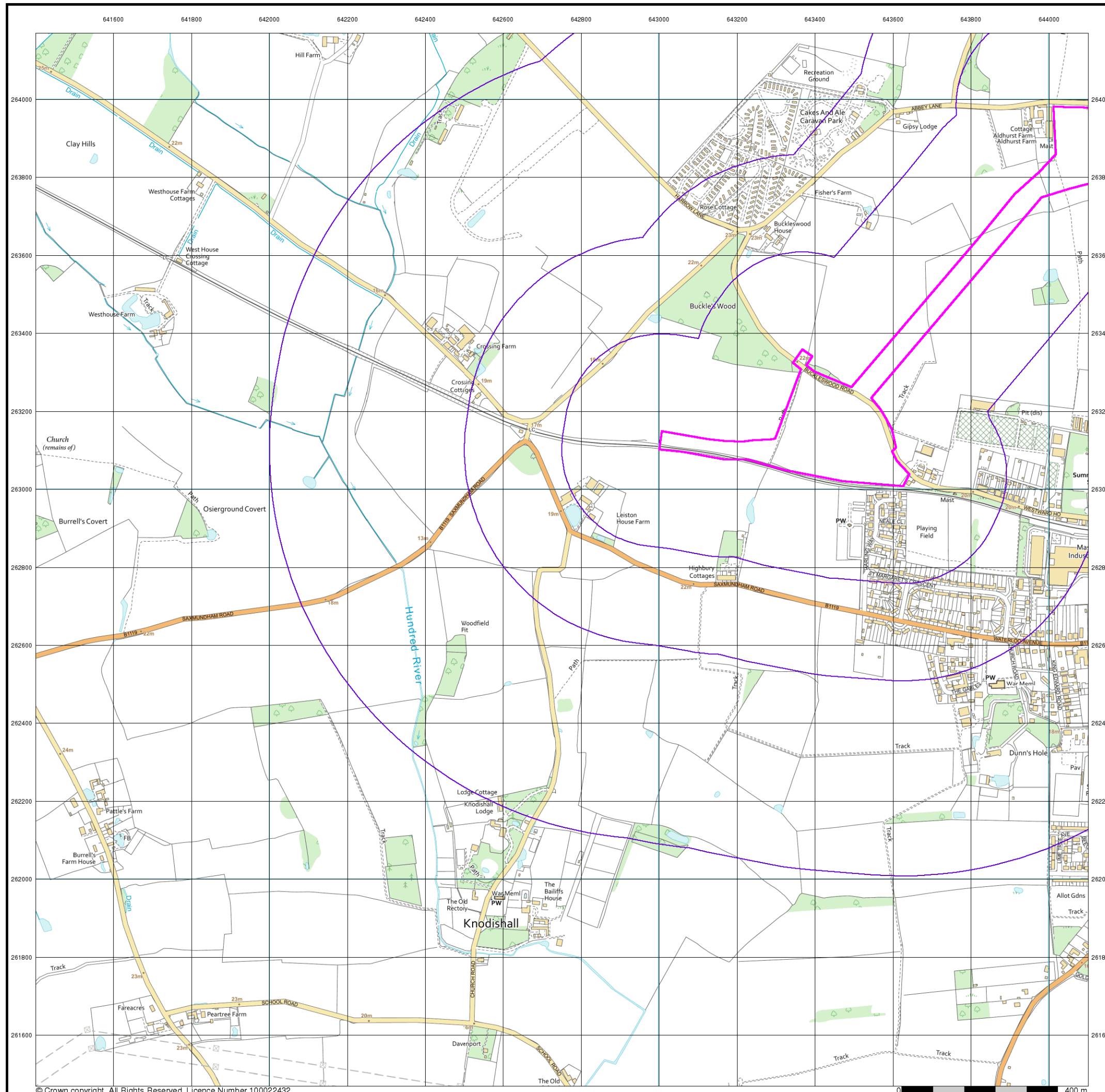


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

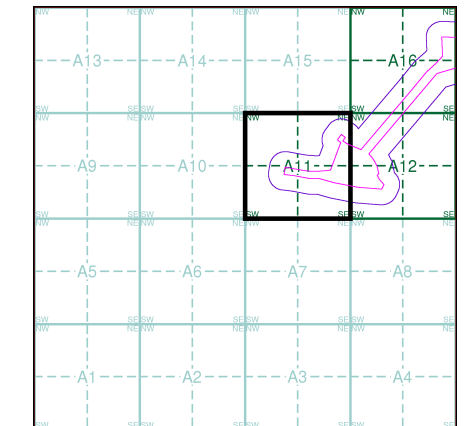
### Site Details

Site at, Leiston, Suffolk



- 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 A11



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Plot Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk



## 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 (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

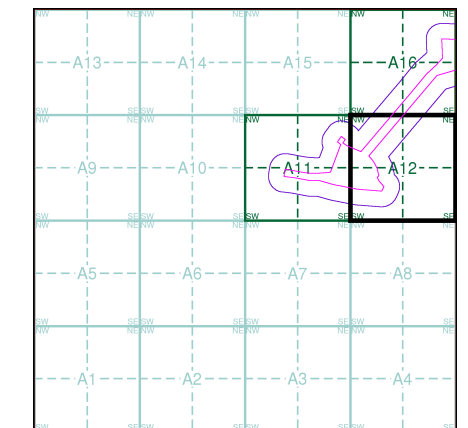
## Hazardous Substances

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

## Geological

- BGS Recorded Mineral Site

## Site Sensitivity Map - Segment A12

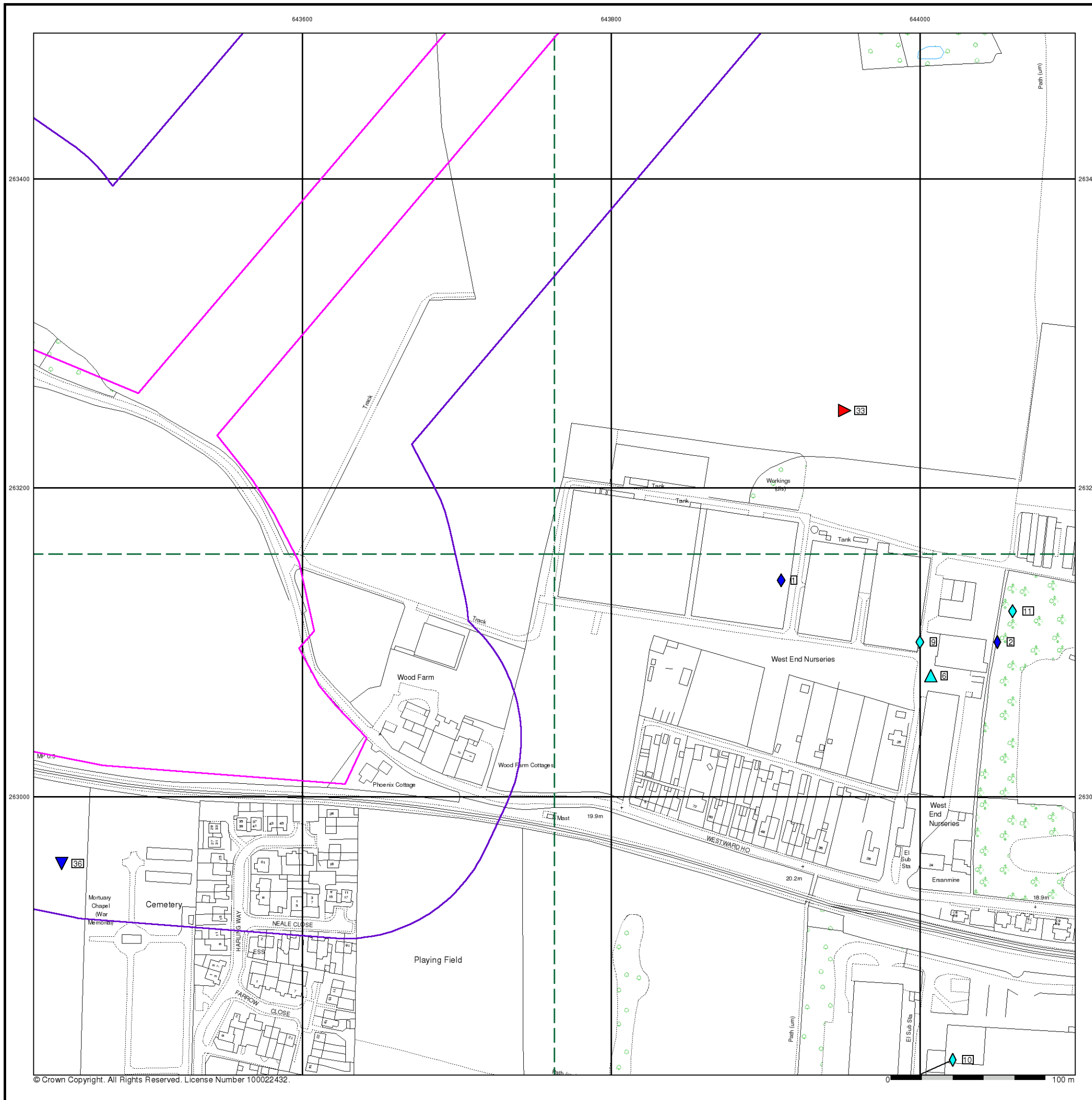


## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Plot Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk



## General

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

## Agency and Hydrological

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

## 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

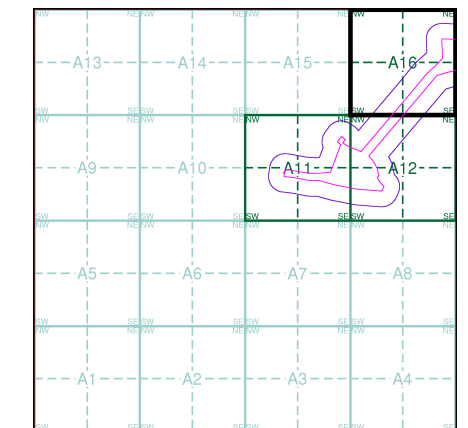
## Hazardous Substances

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

## Geological

- BGS Recorded Mineral Site

## Site Sensitivity Map - Segment A16

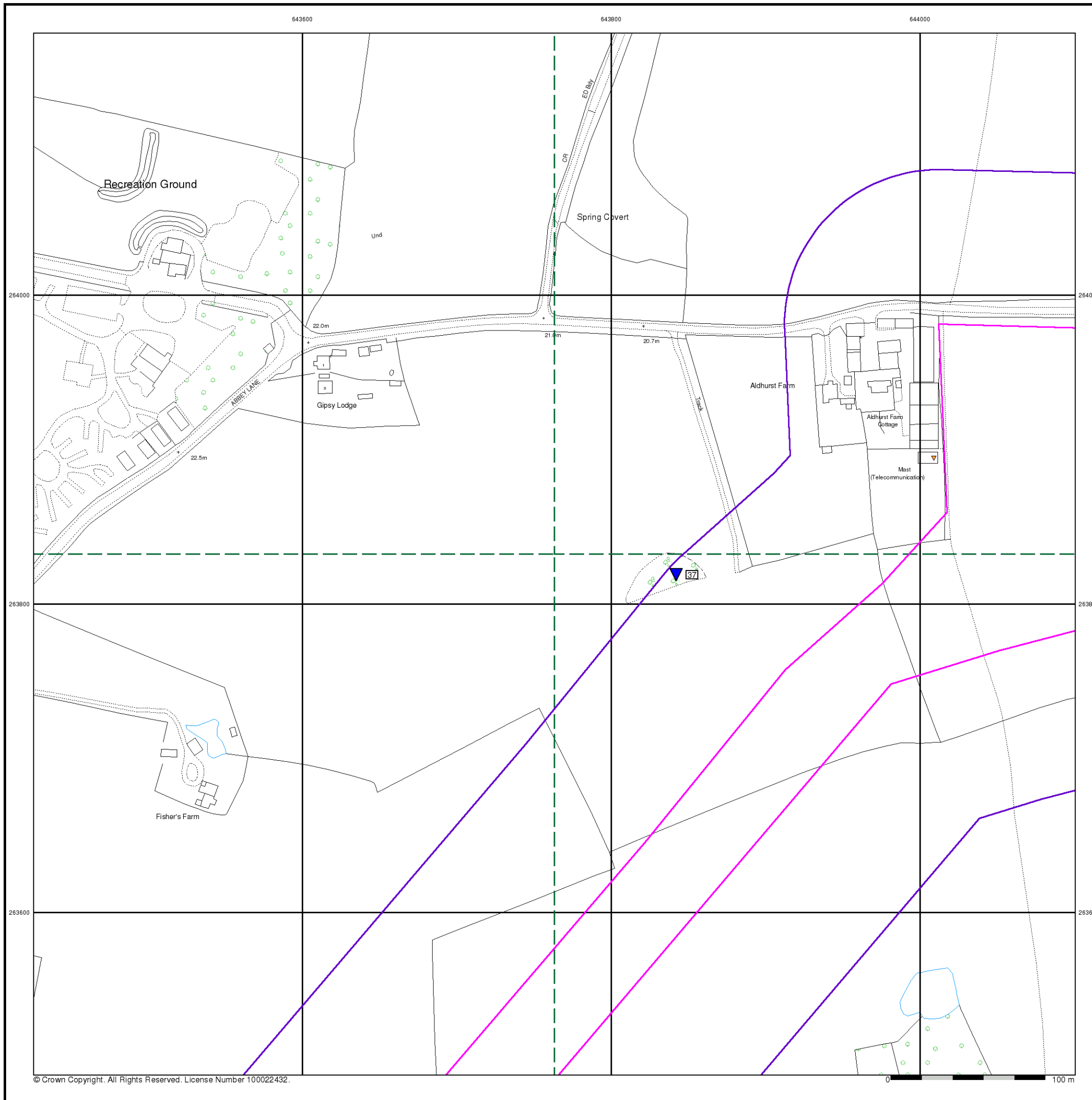


## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Plot Buffer (m): 100

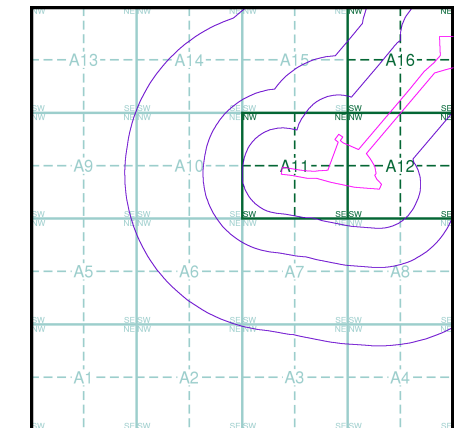
## Site Details

Site at, Leiston, 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
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - 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
  - NIHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

## Site Sensitivity Map - Slice A

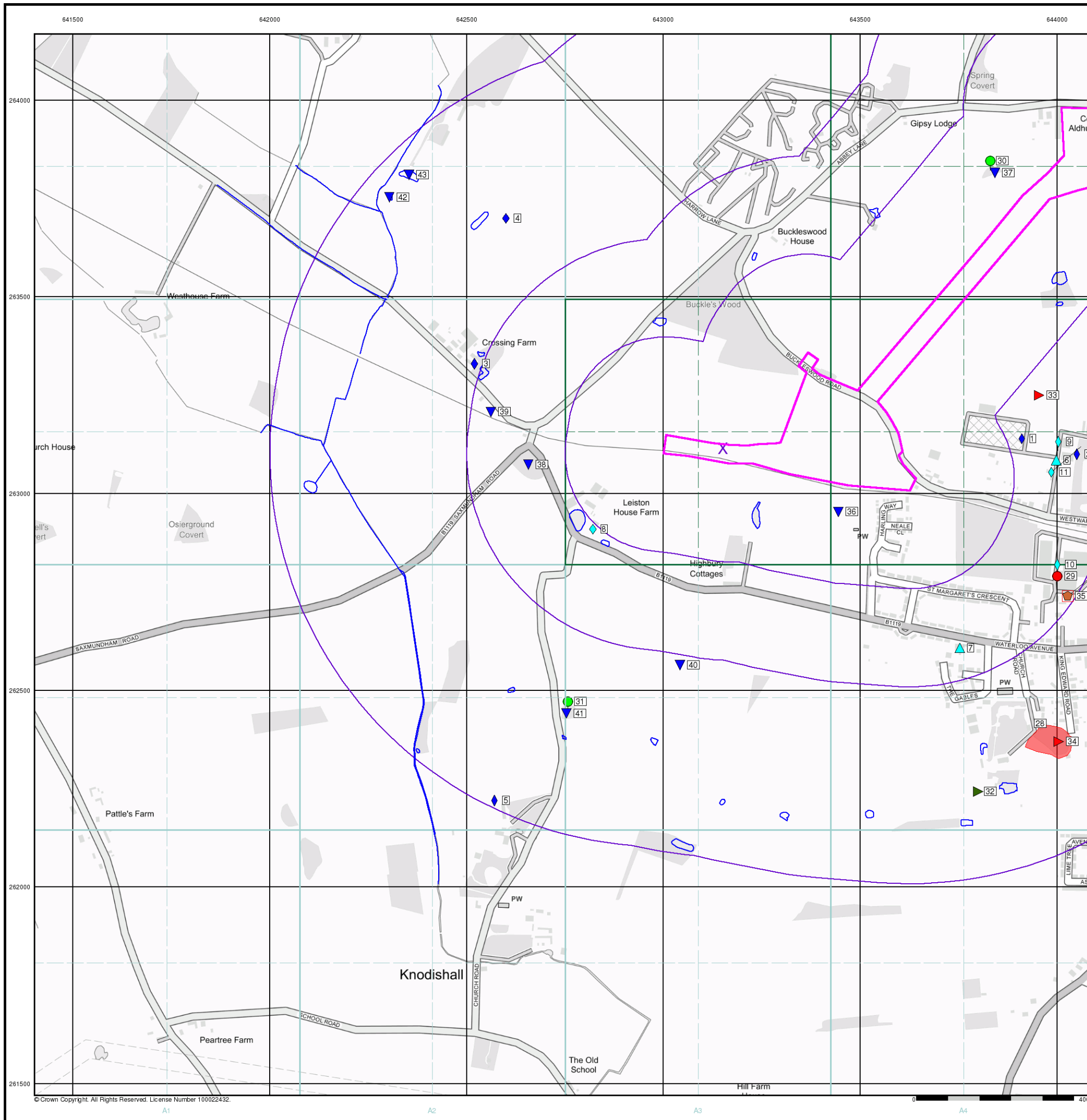


## Order Details

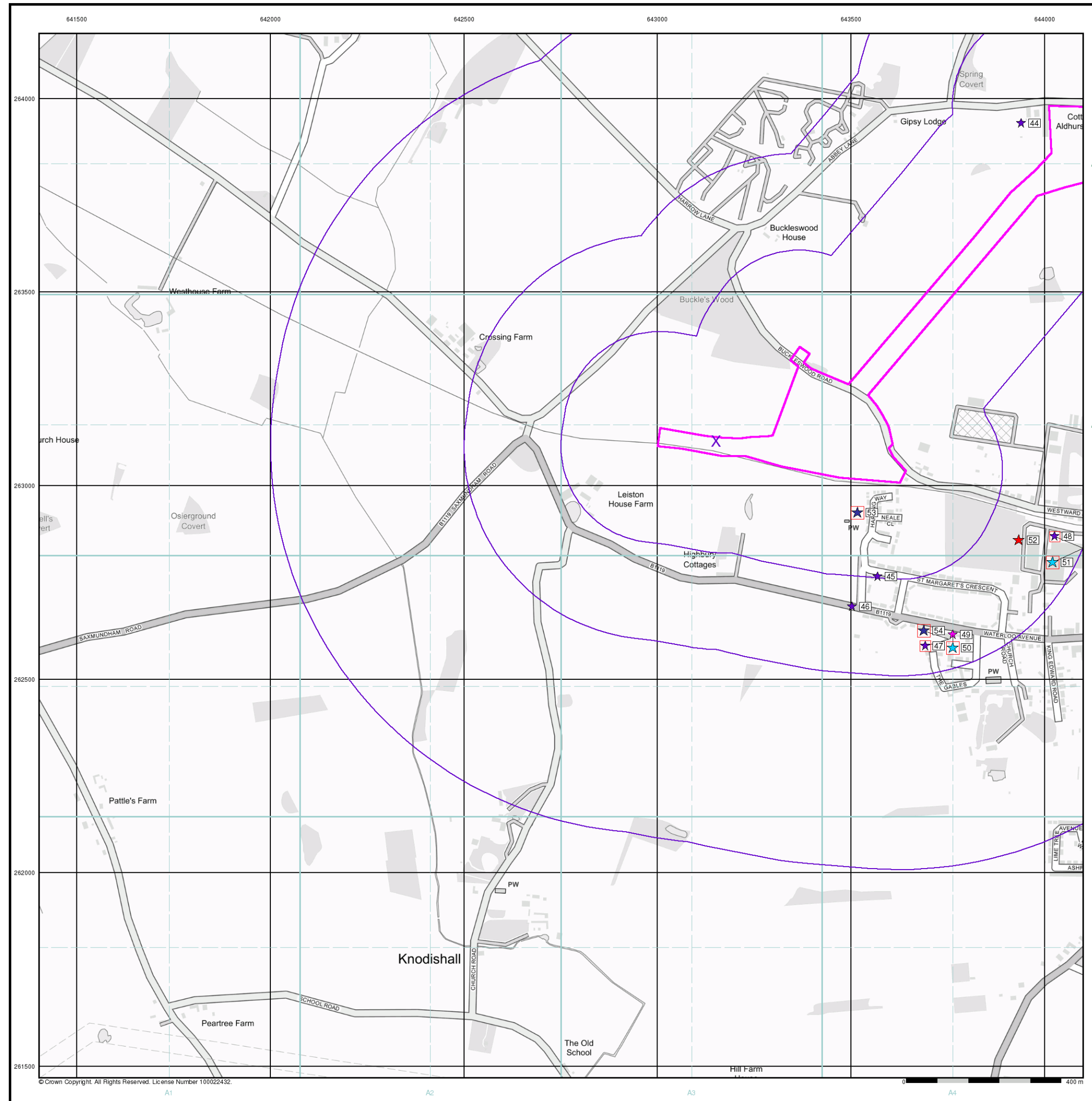
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

## Site Details

Site at, Leiston, Suffolk



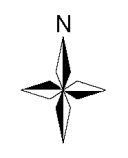
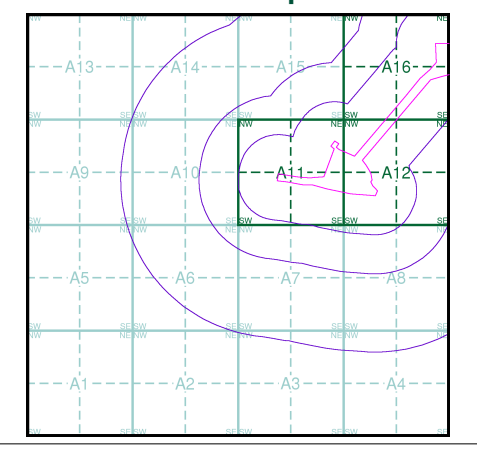




## Industrial Land Use Map

- 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: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000






## Site Details

Site at, Leiston, Suffolk

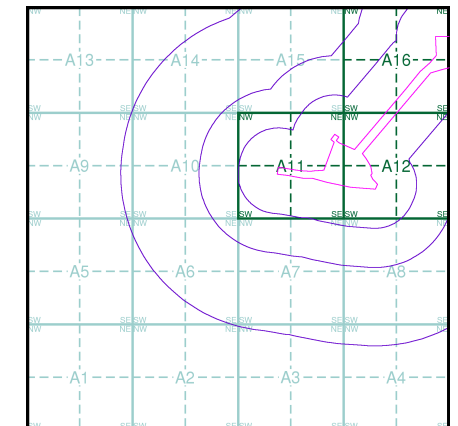
### General

-  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

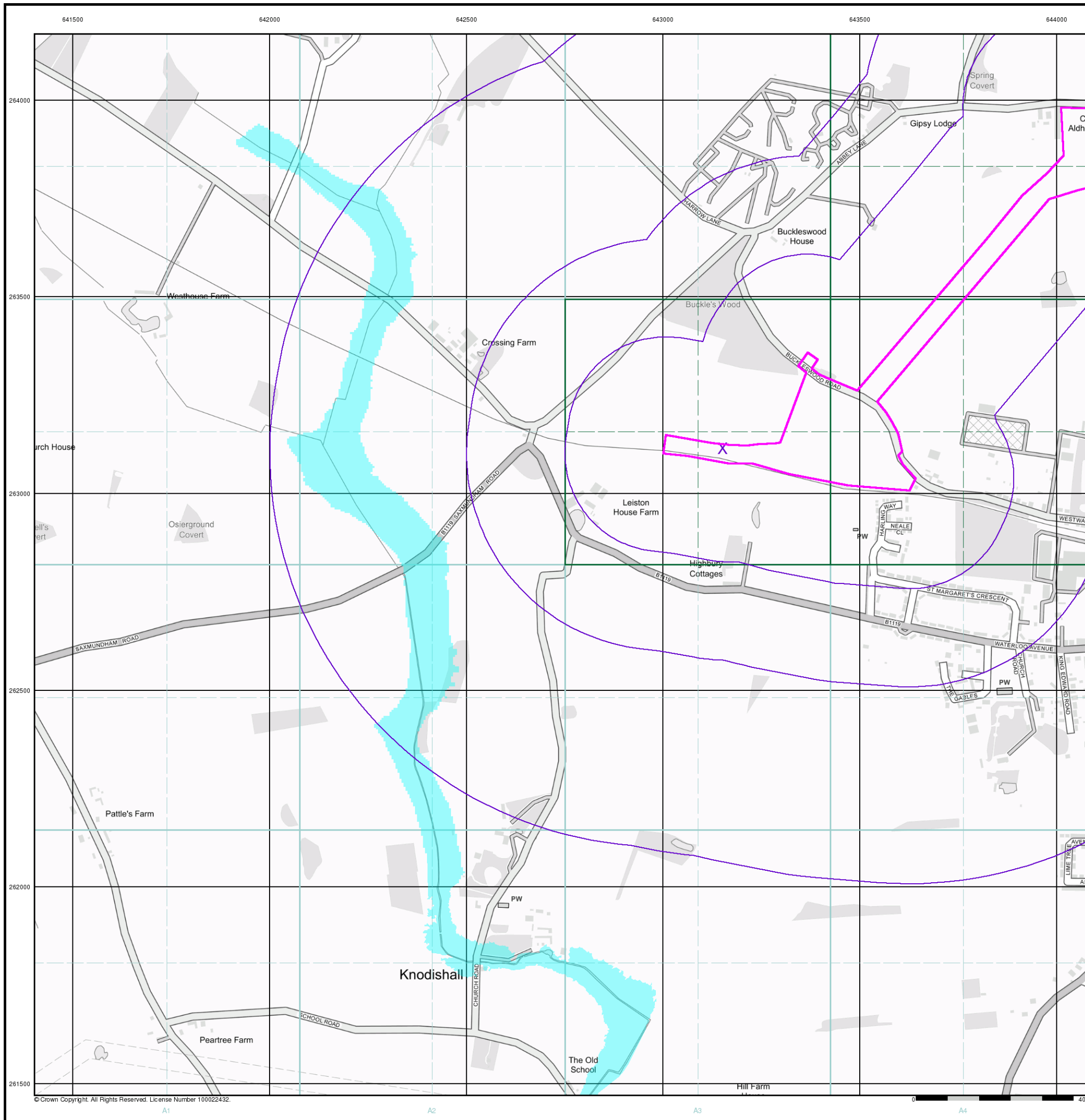


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000






### Site Details

Site at, Leiston, Suffolk








© Crown Copyright. All Rights Reserved. License Number 100022432.

### General

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

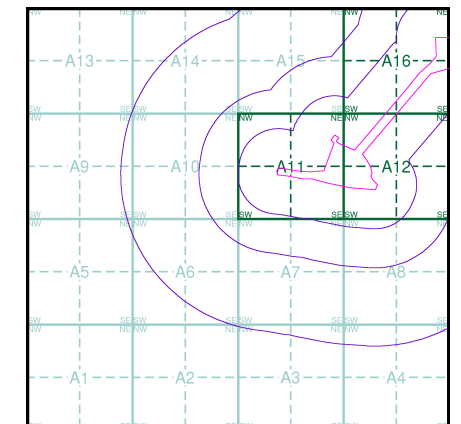
### Agency and Hydrological (Boreholes)

-  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](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

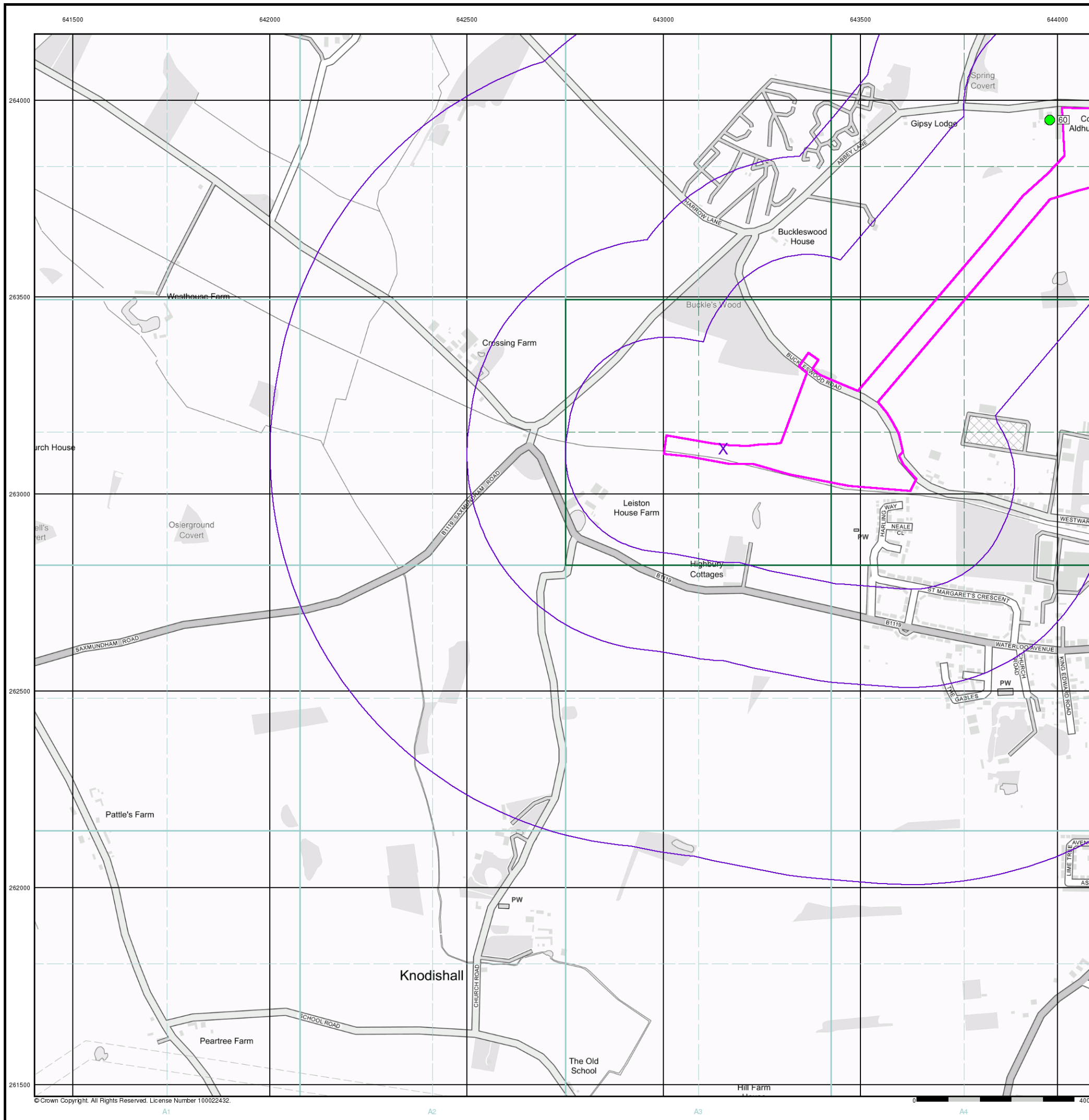


### Order Details

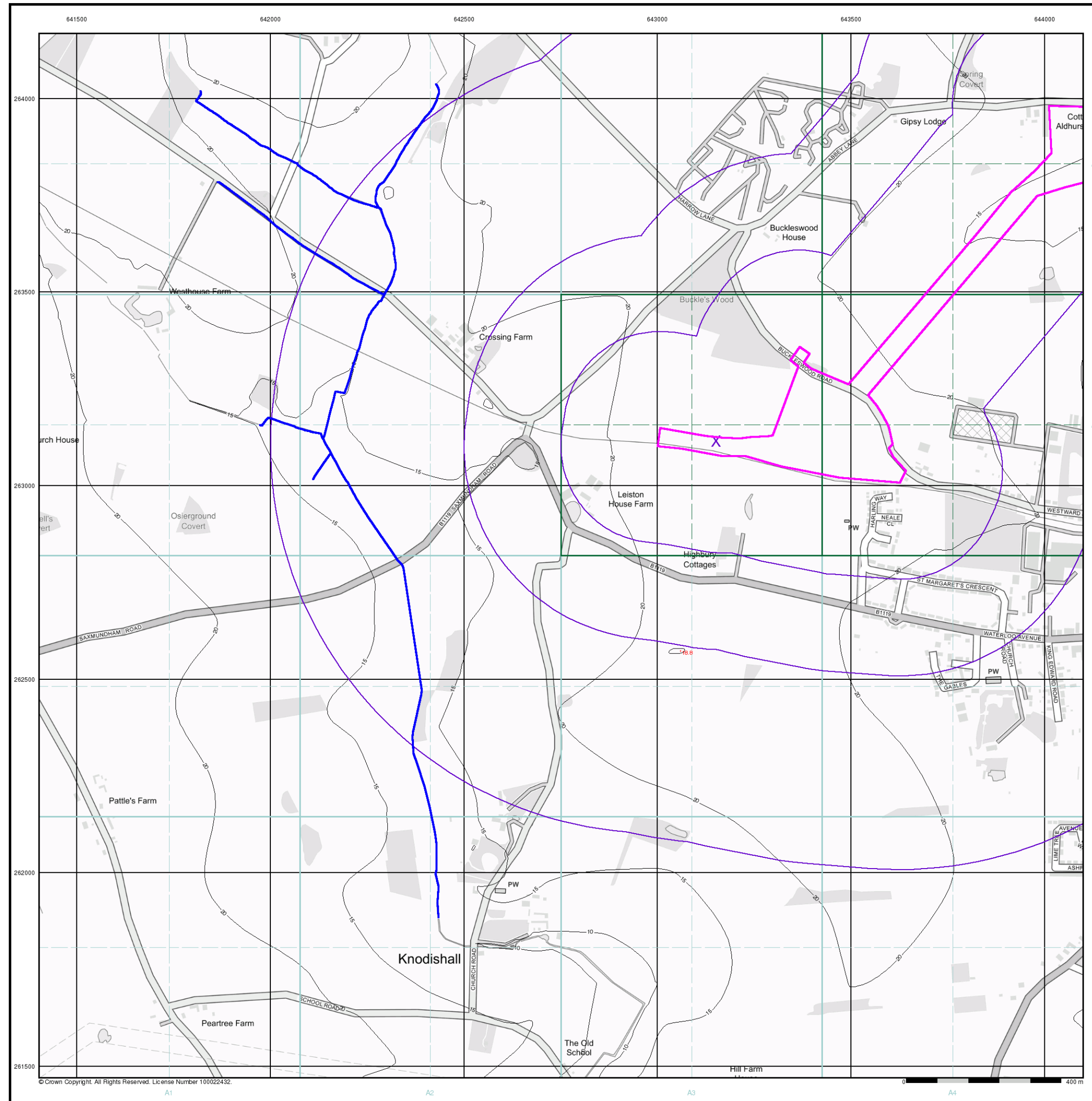
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk



© Crown Copyright. All Rights Reserved. License Number 100022432.



# Envirocheck®

LANDMARK INFORMATION GROUP®

## General

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

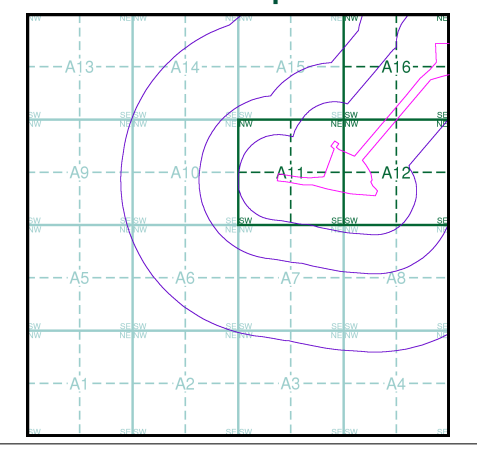
## OS Water Network Data

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

## Contours (height in meters)

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

## OS Water Network Map - Slice A



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000




## Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

### General

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

### Risk of Flooding from Surface Water

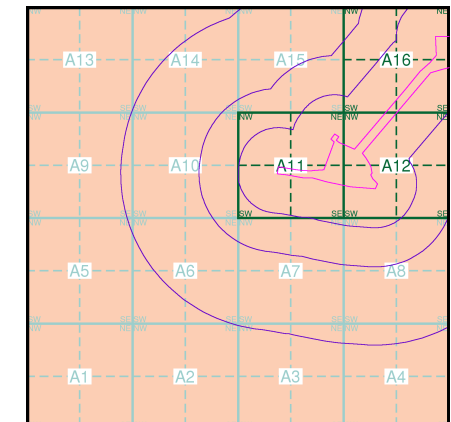
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

### 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

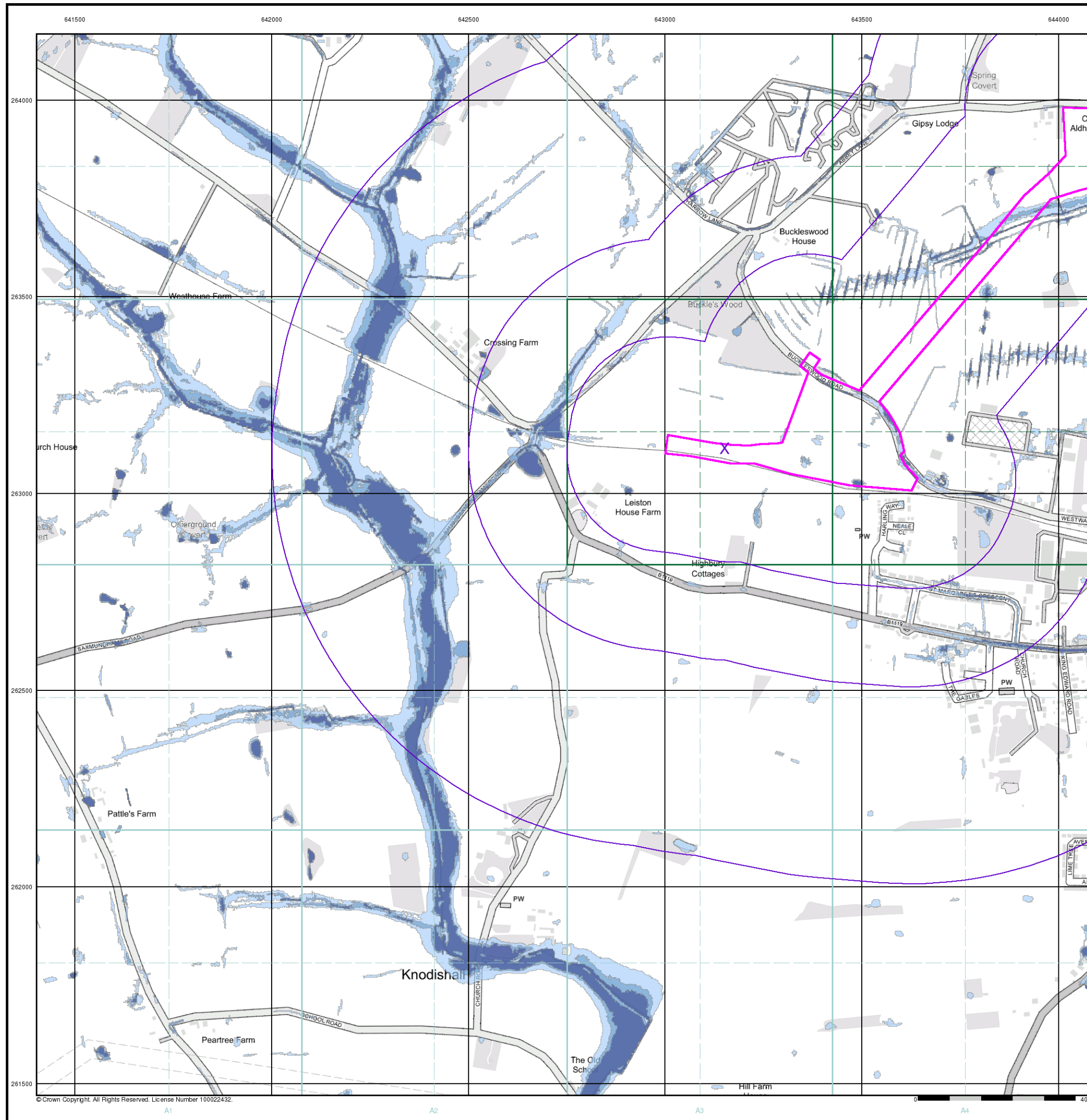


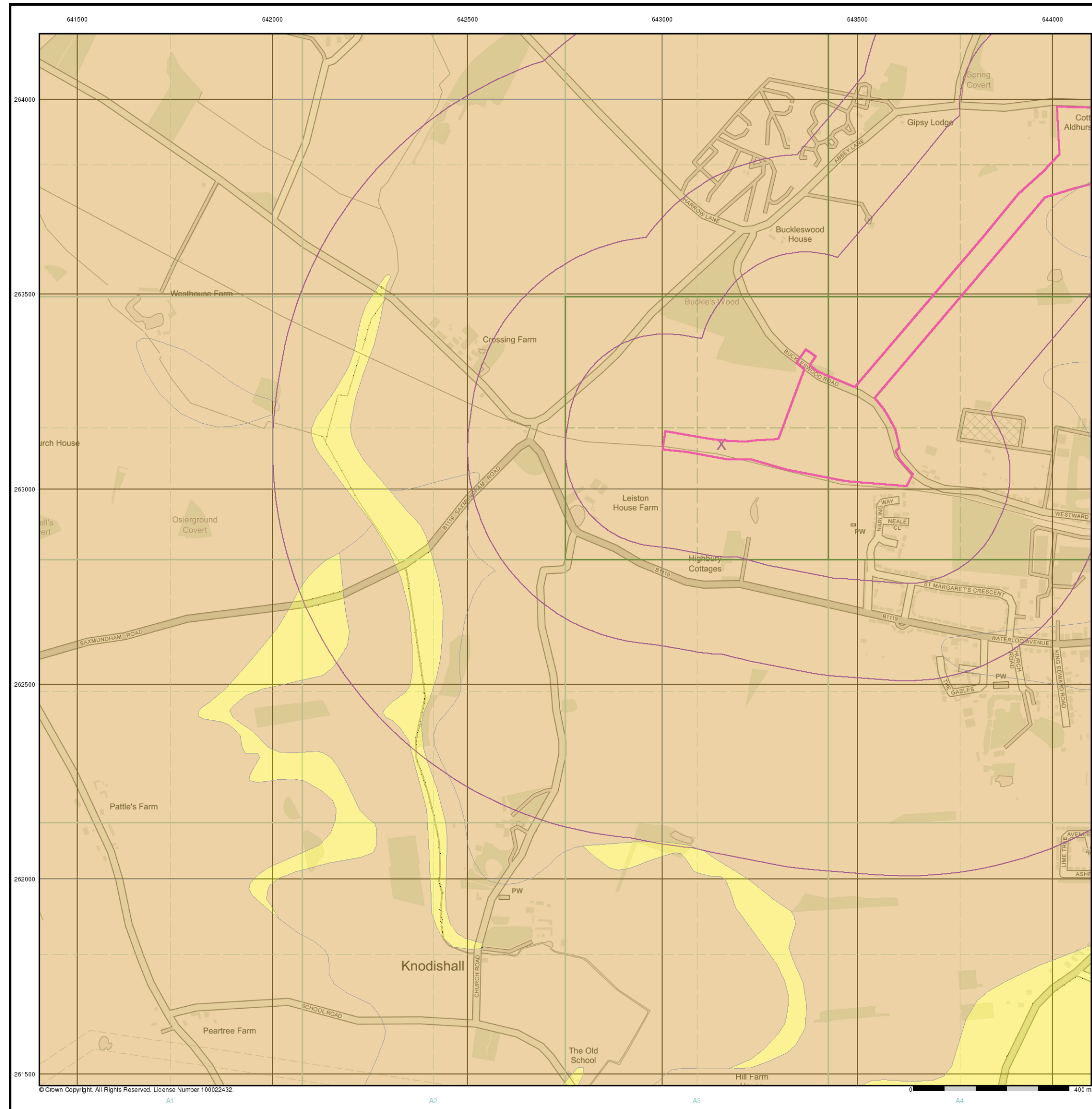
### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk



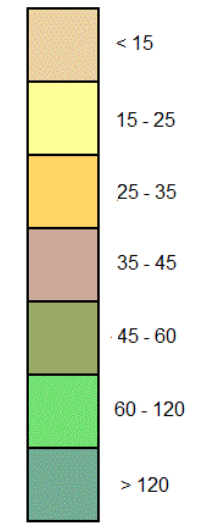


### General

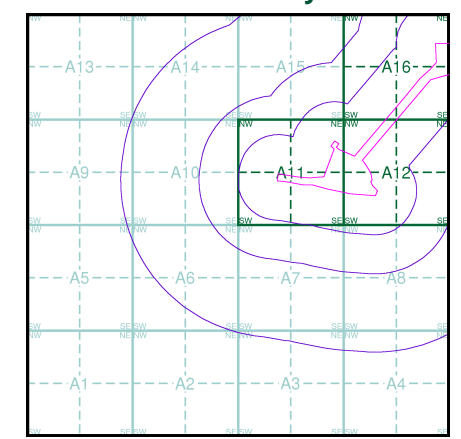
- ▭ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

### Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



### Estimated Soil Chemistry Arsenic - Slice A

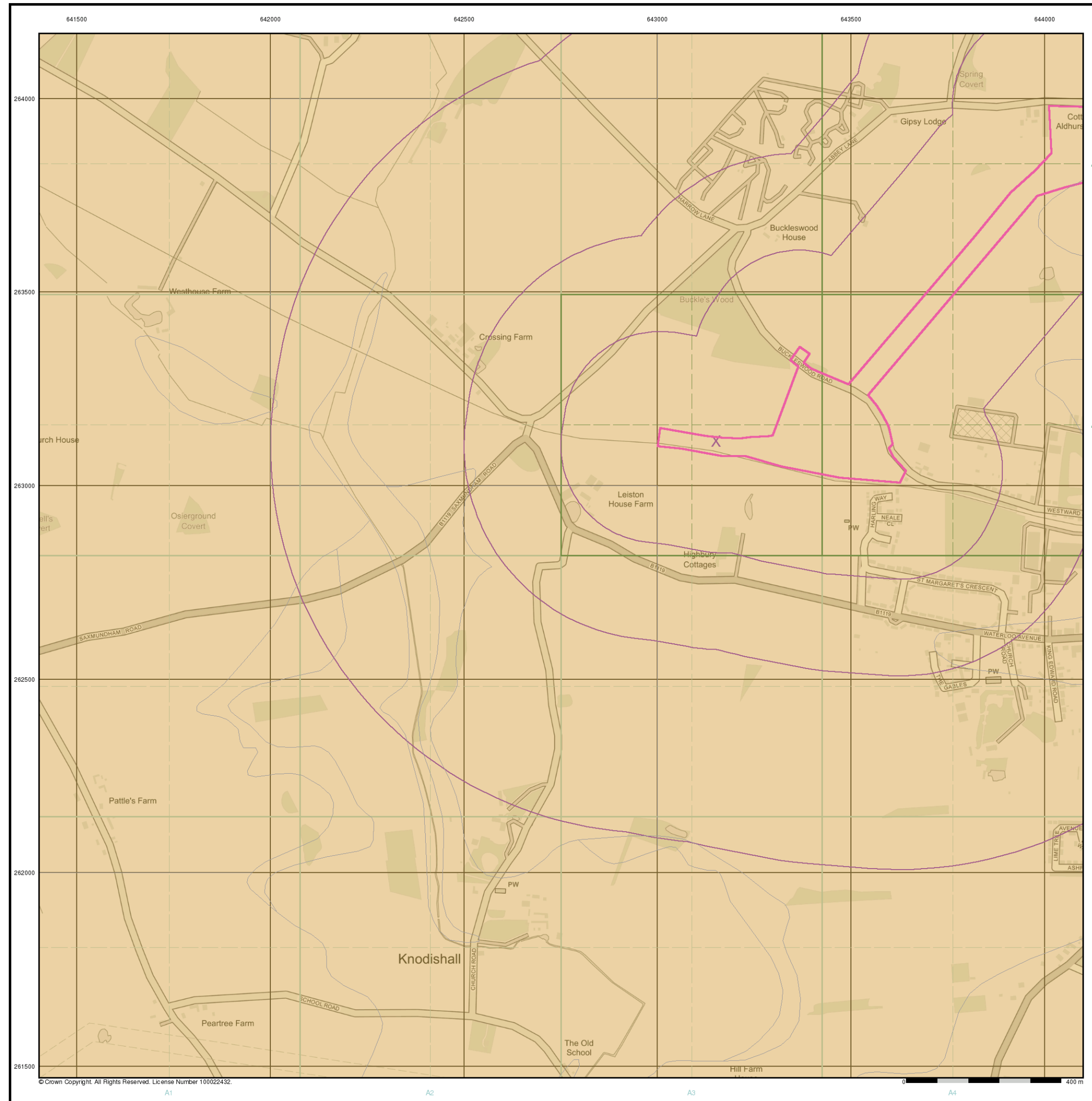


### Order Details

Order Details: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

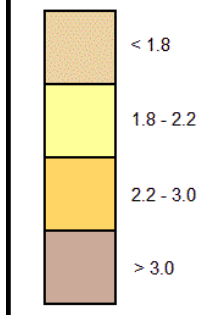


### General

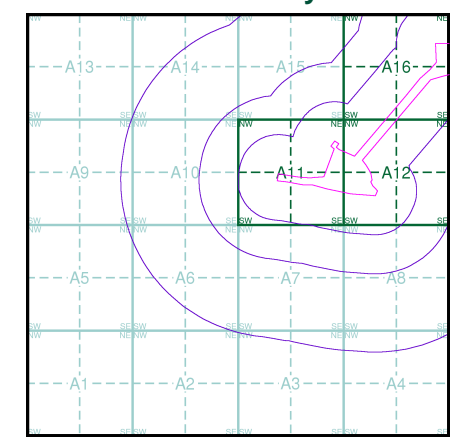
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

### Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



### Estimated Soil Chemistry Cadmium - Slice A

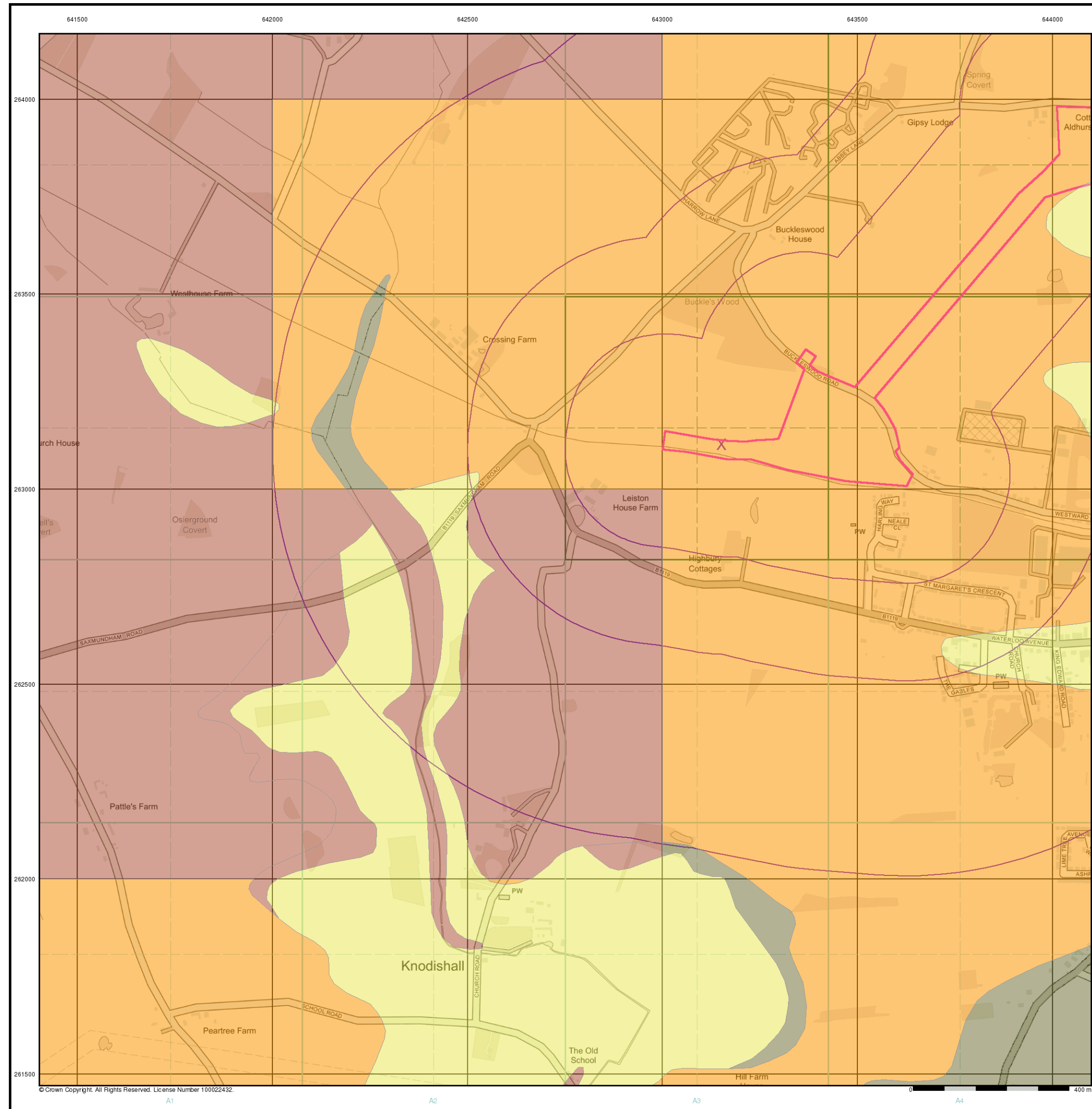


### Order Details

Order Details: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

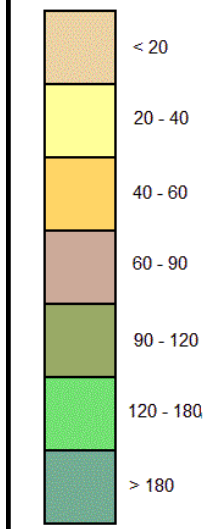


**General**

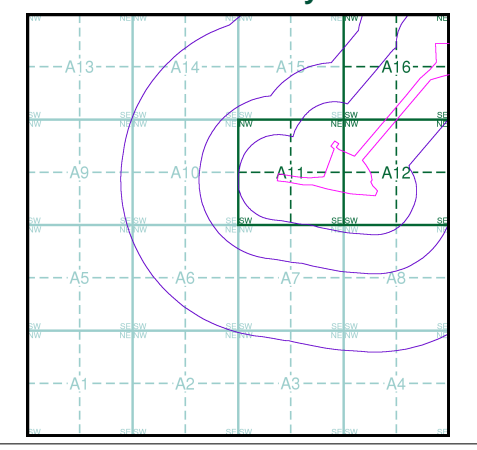
✱ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

### Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



### Estimated Soil Chemistry Chromium - Slice A

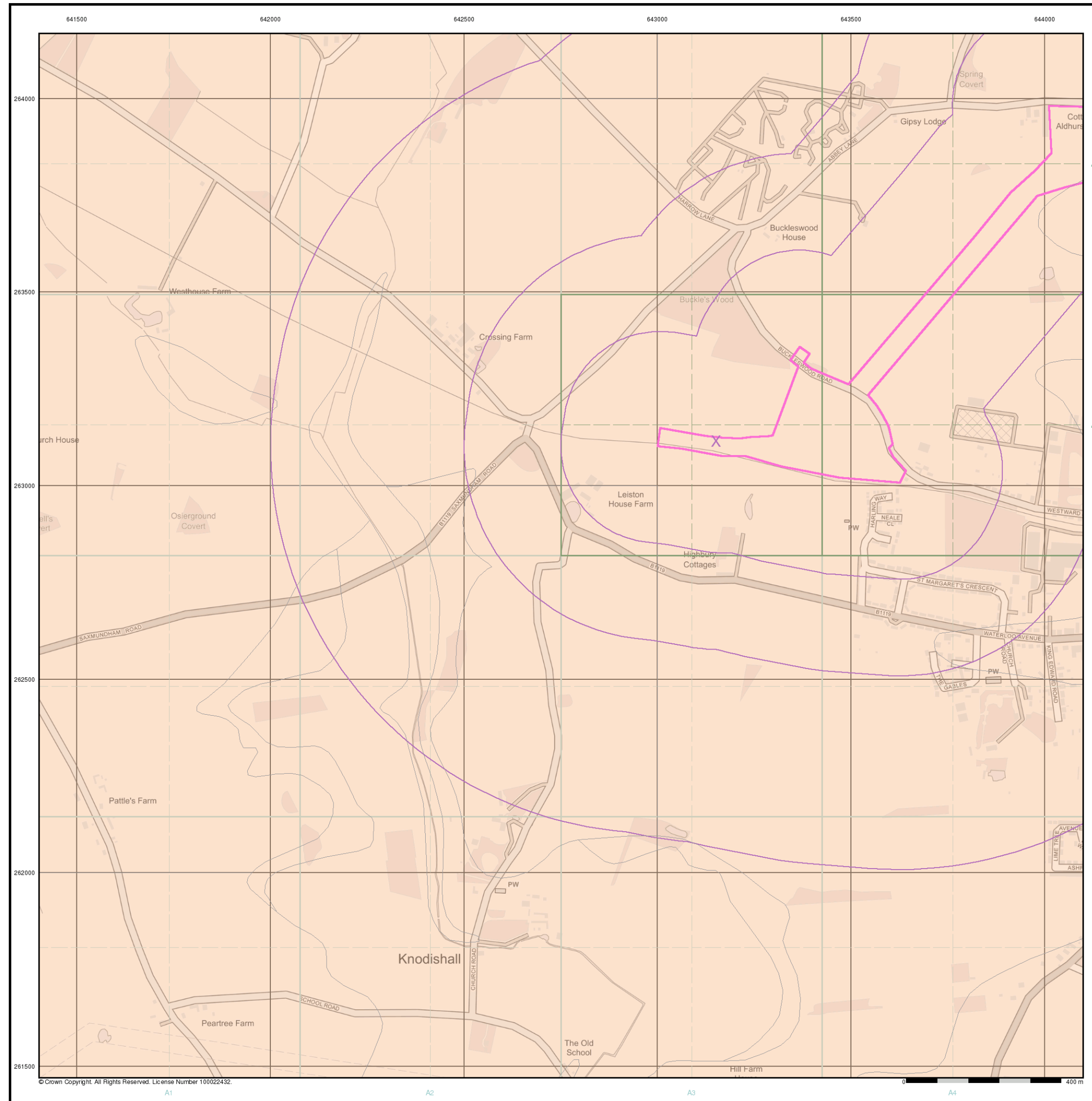


**Order Details**

Order Details: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

**Site Details**  
 Site at, Leiston, Suffolk

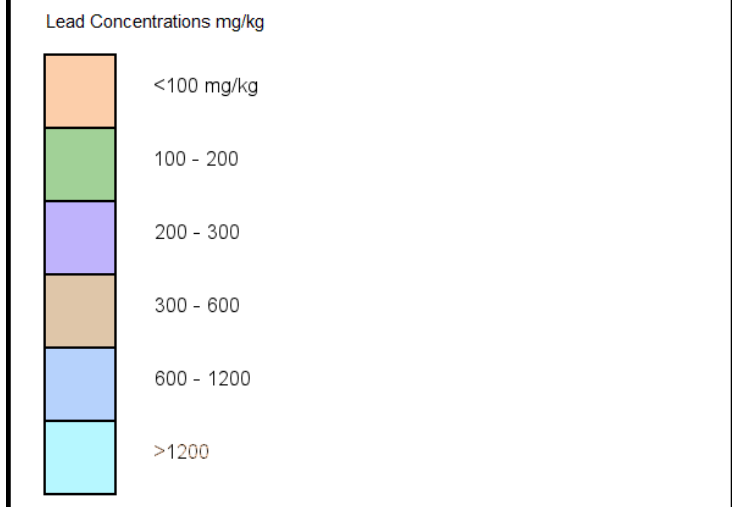




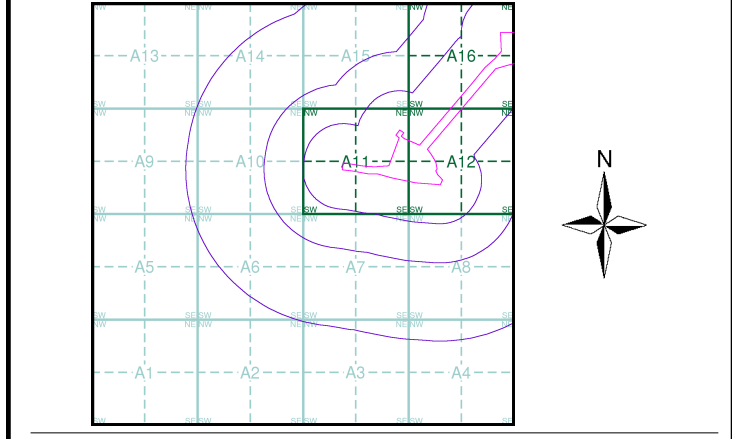
**General**

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

### Estimated Soil Chemistry Lead



### Estimated Soil Chemistry Lead - Slice A

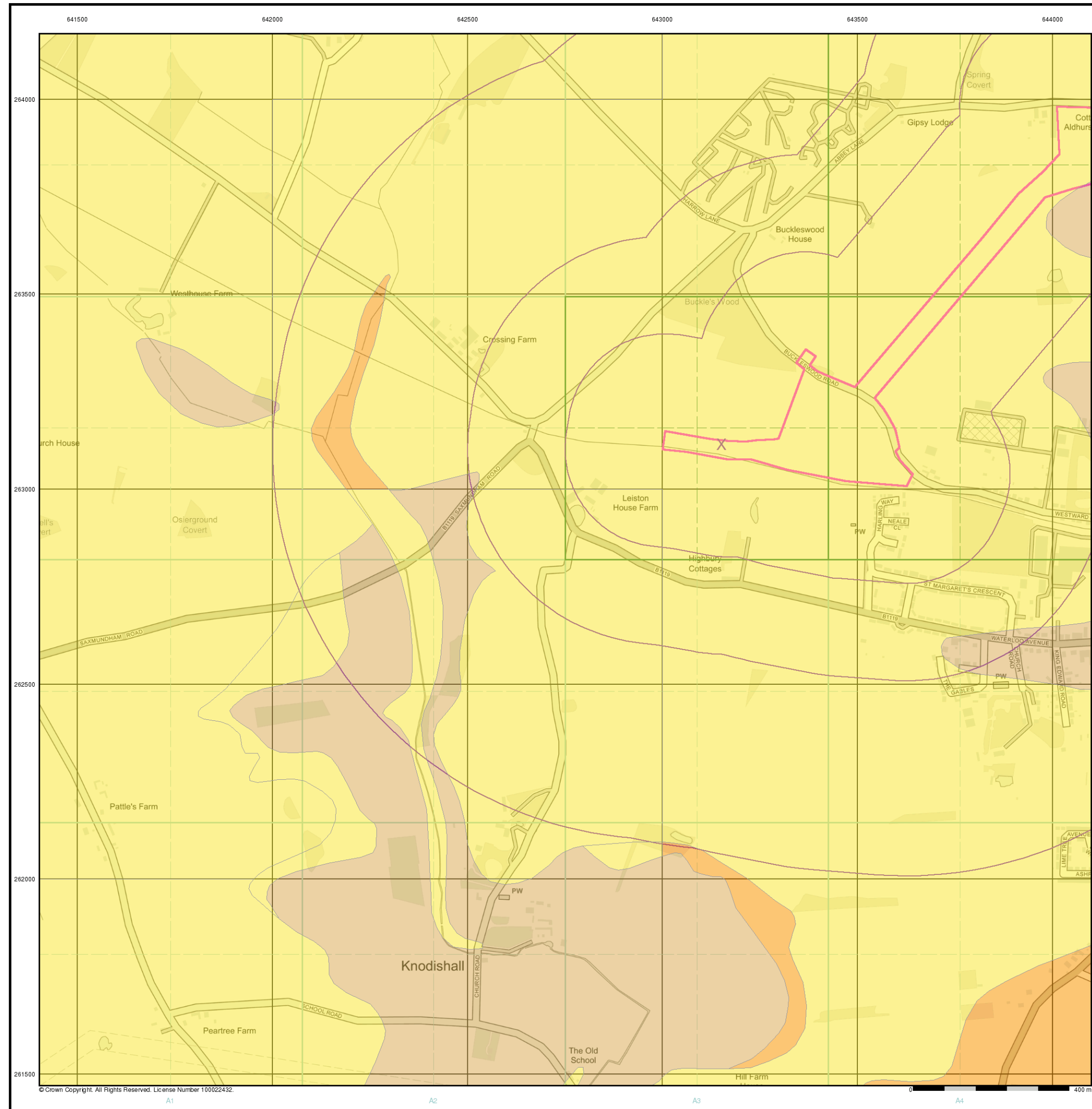


**Order Details**

Order Details: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

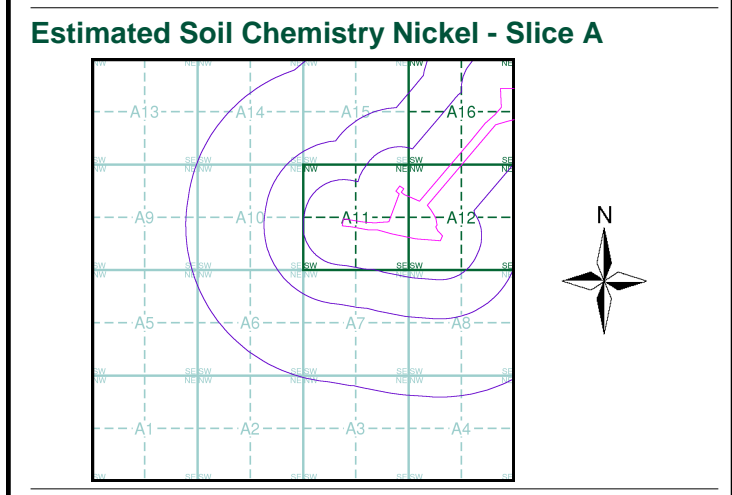
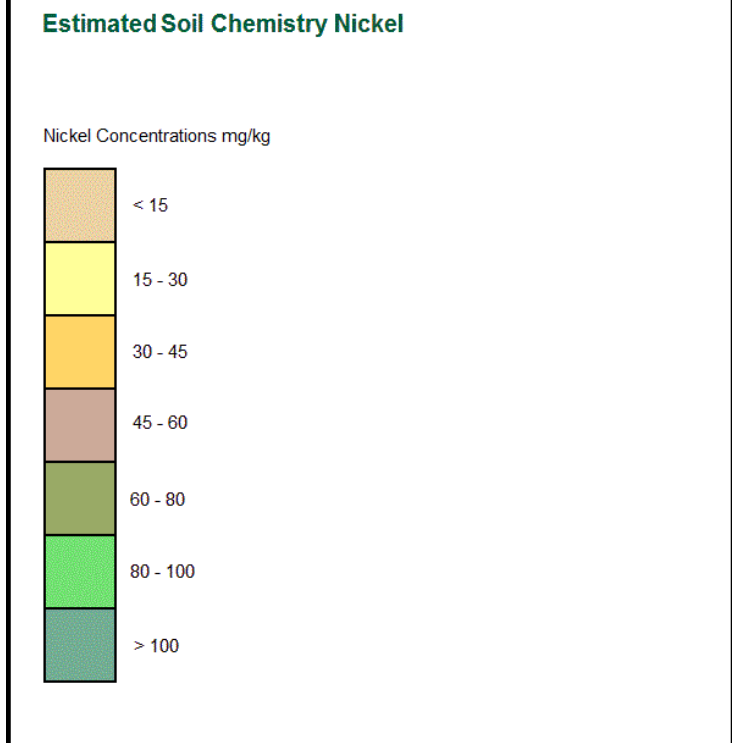
**Site Details**

Site at, Leiston, Suffolk



**General**

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



**Order Details**

Order Details: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

**Site Details**

Site at, Leiston, Suffolk

# Historical Mapping Legends

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

**Quarry**   **Gravel Pit**   **Sand Pit**  
**Clay Pit**   **Shingle**   **Refuse Heap**  
**Sloping Masonry**   **Flat Rock**  
**Marsh**   **Reeds**   **Osiers**  
**Rough Pasture**   **Furze**   **Wood**  
**Mixed Wood**   **Brushwood**   **Orchard**  
**Fir**   **Ford**   **Stepping Stones**  
**Ferry**   **Waterfall**   **Lock**  
**Trig. Station**   **Altitude at Trig. Station**  
**B.M. 325.9**   **Bench Mark**   **Surface Level**  
**Arrow denotes flow of water**   **Antiquities (site of)**  
**Cutting**   **Embankment**  
**Railway crossing Road**   **Level Crossing**   **Road crossing Railway**  
**Railway crossing River or Canal**   **Road over single stream**   **Road over River or Canal**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**County Burgh Boundary (Scotland)**  
**Co. Boro. Bdy.**  
**Co. Burgh Bdy.**  
**BP BS** Boundary Post or Stone   **P.C.B** Police Call Box  
**B.R.** Bridle Road   **P** Pump  
**E.P** Electricity Pylon   **S.P** Signal Post  
**F.B.** Foot Bridge   **SL** Sluice  
**F.P.** Foot Path   **Sp.** Spring  
**G.P** Guide Post or Board   **T.C.B** Telephone Call Box  
**M.S** Mile Stone   **Tr.** Trough  
**M.P M.R** Mooring Post or Ring   **W** Well

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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH** Beer House   **P** Pillar, Pole or Post  
**BP, BS** Boundary Post or Stone   **PO** Post Office  
**Cn, C** Capstan, Crane   **PC** Public Convenience  
**Chy** Chimney   **PH** Public House  
**D Fn** Drinking Fountain   **Pp** Pump  
**EI P** Electricity Pillar or Post   **SB, S Br** Signal Box or Bridge  
**FAP** Fire Alarm Pillar   **SP, SL** Signal Post or Light  
**FB** Foot Bridge   **Spr** Spring  
**GP** Guide Post   **Tk** Tank or Track  
**H** Hydrant or Hydraulic   **TCB** Telephone Call Box  
**LC** Level Crossing   **TCP** Telephone Call Post  
**MH** Manhole   **Tr** Trough  
**MP** Mile Post or Mooring Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MS** Mile Stone   **W** Well  
**NTL** Normal Tidal Limit   **Wd Pp** Wind Pump

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

**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**B.M. 231.60m** Bench Mark   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks** Barracks   **P** Pillar, Pole or Post  
**Bty** Battery   **PO** Post Office  
**Cemy** Cemetery   **PC** Public Convenience  
**Chy** Chimney   **Pp** Pump  
**Cis** Cistern   **Ppg Sta** Pumping Station  
**Dismtd Rly** Dismantled Railway   **PW** Place of Worship  
**EI Gen Sta** Electricity Generating Station   **Sewage Ppg Sta** Sewage Pumping Station  
**EI P** Electricity Pole, Pillar   **SB, S Br** Signal Box or Bridge  
**EI Sub Sta** Electricity Sub Station   **SP, SL** Signal Post or Light  
**FB** Filter Bed   **Spr** Spring  
**Fn / D Fn** Fountain / Drinking Ftn.   **Tk** Tank or Track  
**Gas Gov** Gas Valve Compound   **Tr** Trough  
**GVC** Gas Governor   **Wd Pp** Wind Pump  
**GP** Guide Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MH** Manhole   **Wks** Works (building or area)  
**MP, MS** Mile Post or Mile Stone   **W** Well

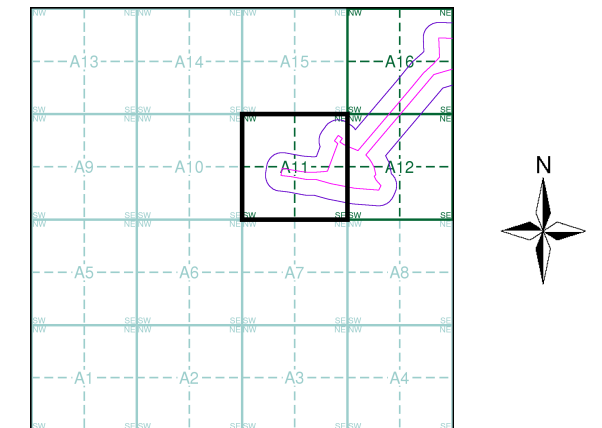
# Envirocheck

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	1970 - 1971	5
Supply of Unpublished Survey Information	1:2,500	1975	6
Additional SIMs	1:2,500	1987 - 1988	7
Additional SIMs	1:2,500	1991	8
Large-Scale National Grid Data	1:2,500	1995	9
Historical Aerial Photography	1:2,500	1999	10

## Historical Map - Segment A11



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

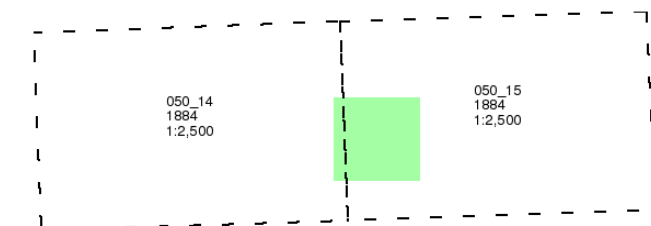
Suffolk

Published 1884

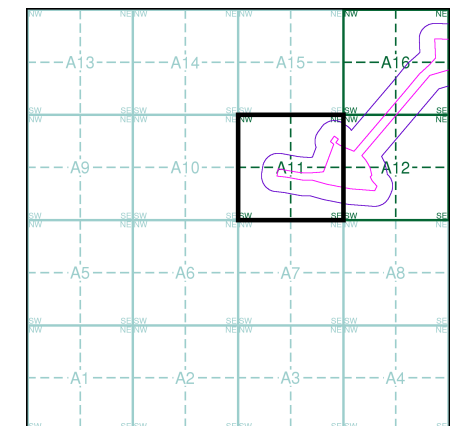
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A11

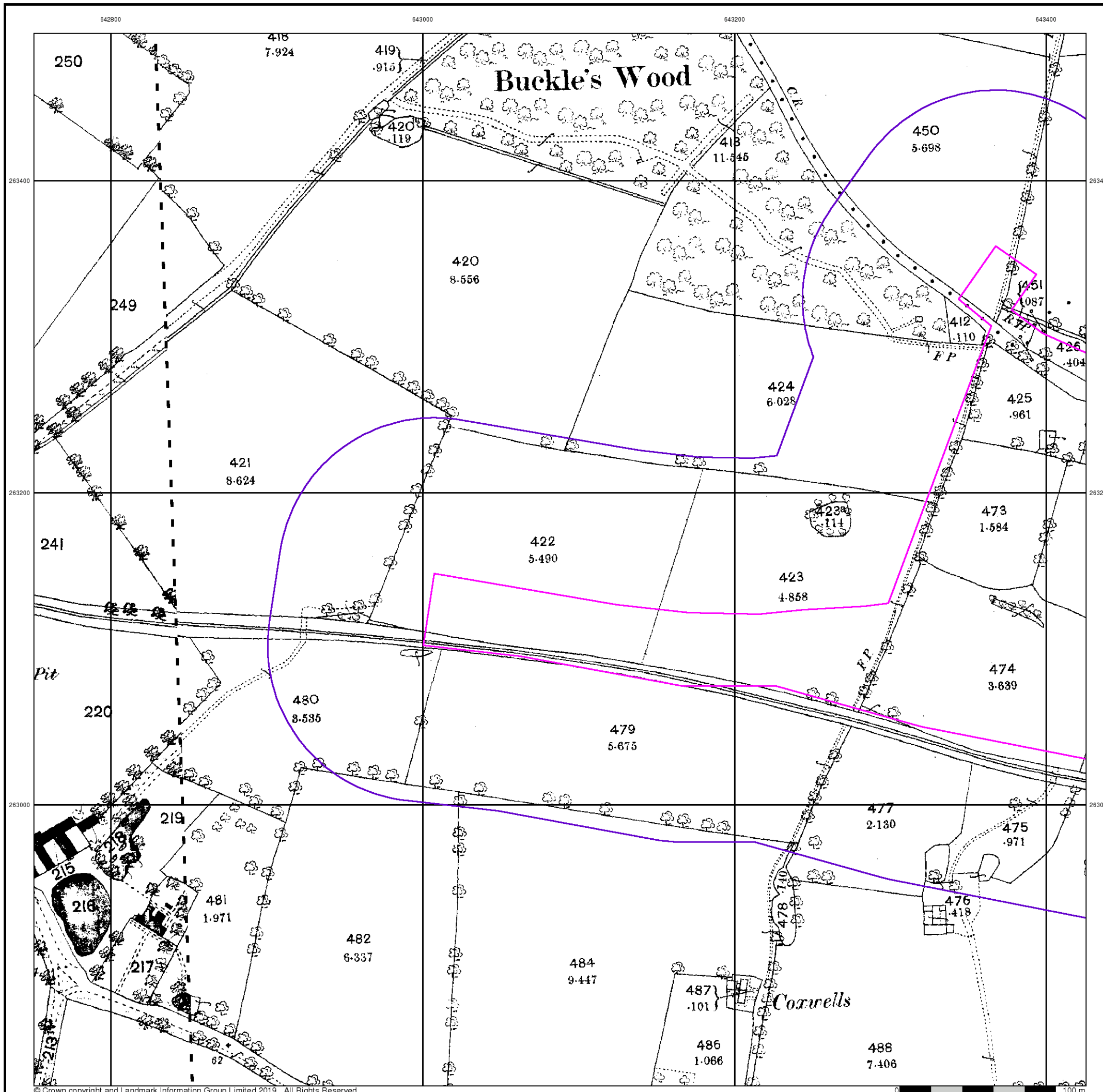


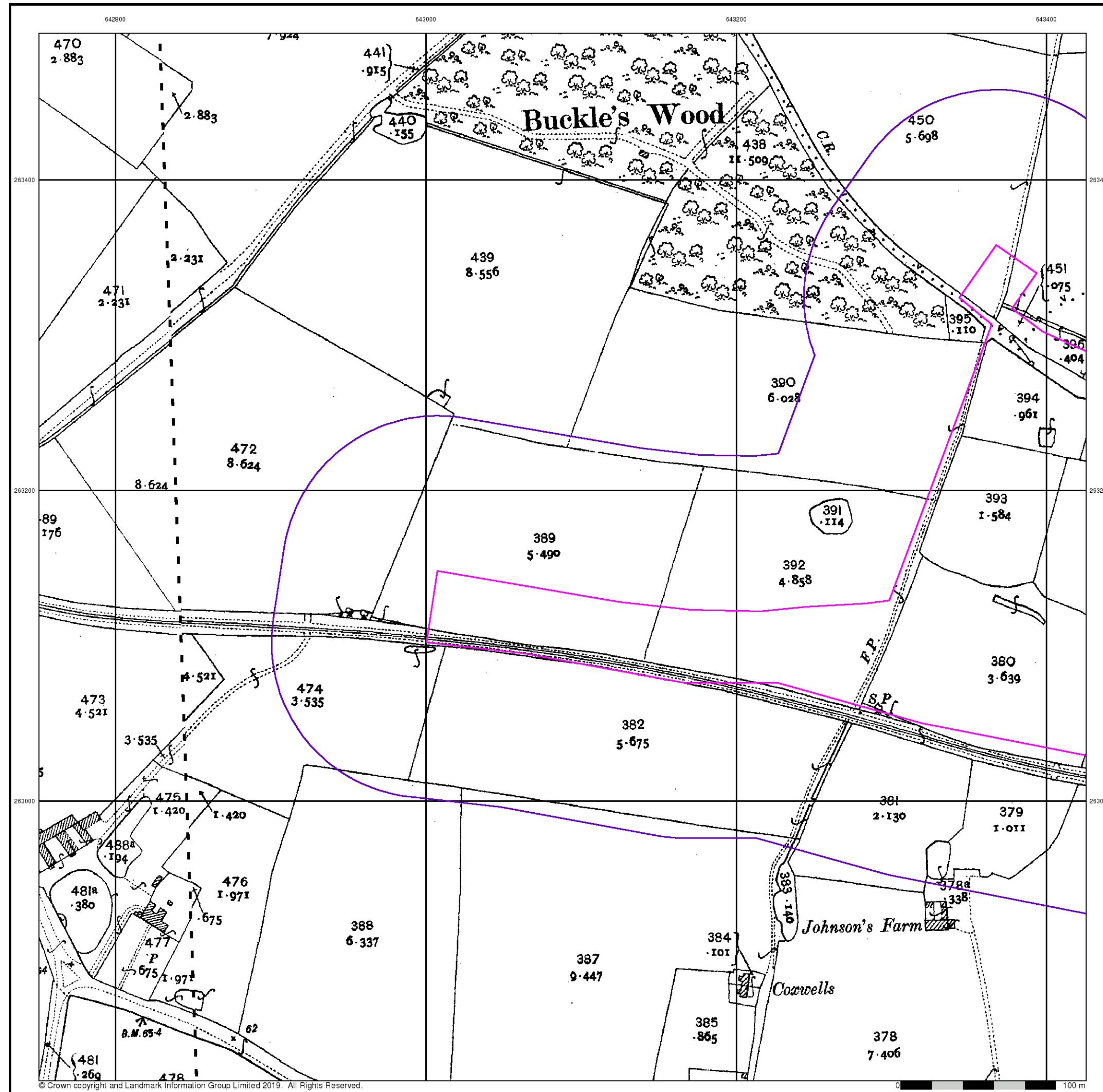
### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk





# Envirocheck®

LANDMARK INFORMATION GROUP®

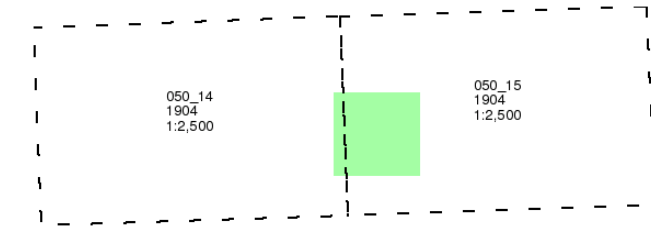
Suffolk

Published 1904

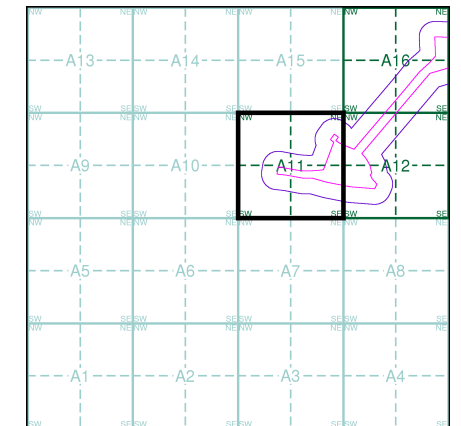
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A11



## Order Details

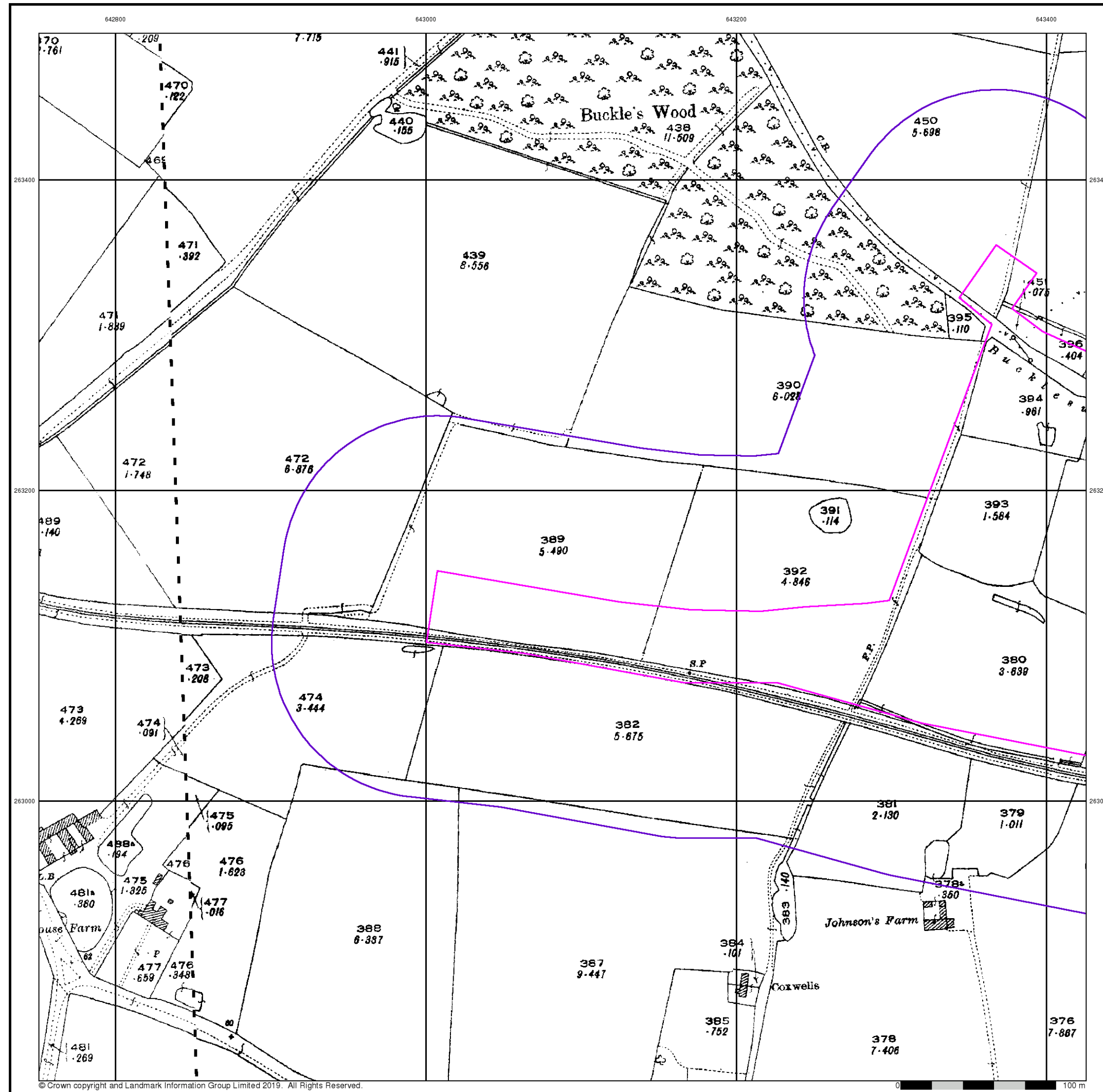
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk

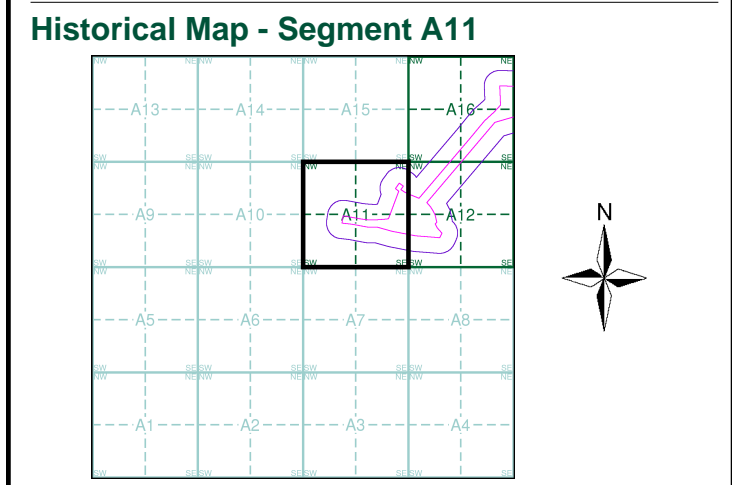
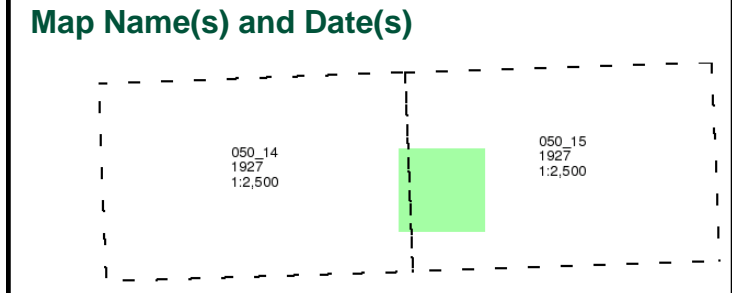
**Landmark**  
 INFORMATION GROUP

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



**Suffolk**  
**Published 1927**  
**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.



**Order Details**  
 Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

**Site Details**  
 Site at, Leiston, Suffolk

## Ordnance Survey Plan

Published 1970 - 1971

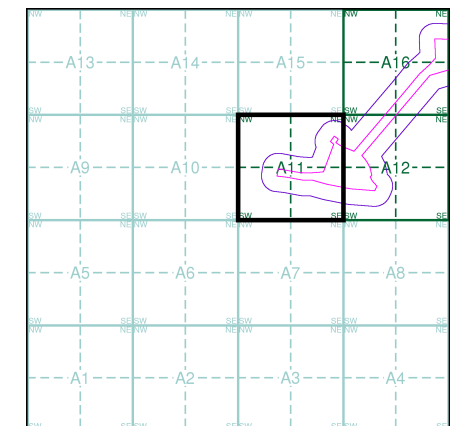
Source map scale - 1:2,500

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)

TM4263 1971 1:2,500	TM4363 1971 1:2,500
TM4262 1970 1:2,500	TM4362 1970 1:2,500

### Historical Map - Segment A11

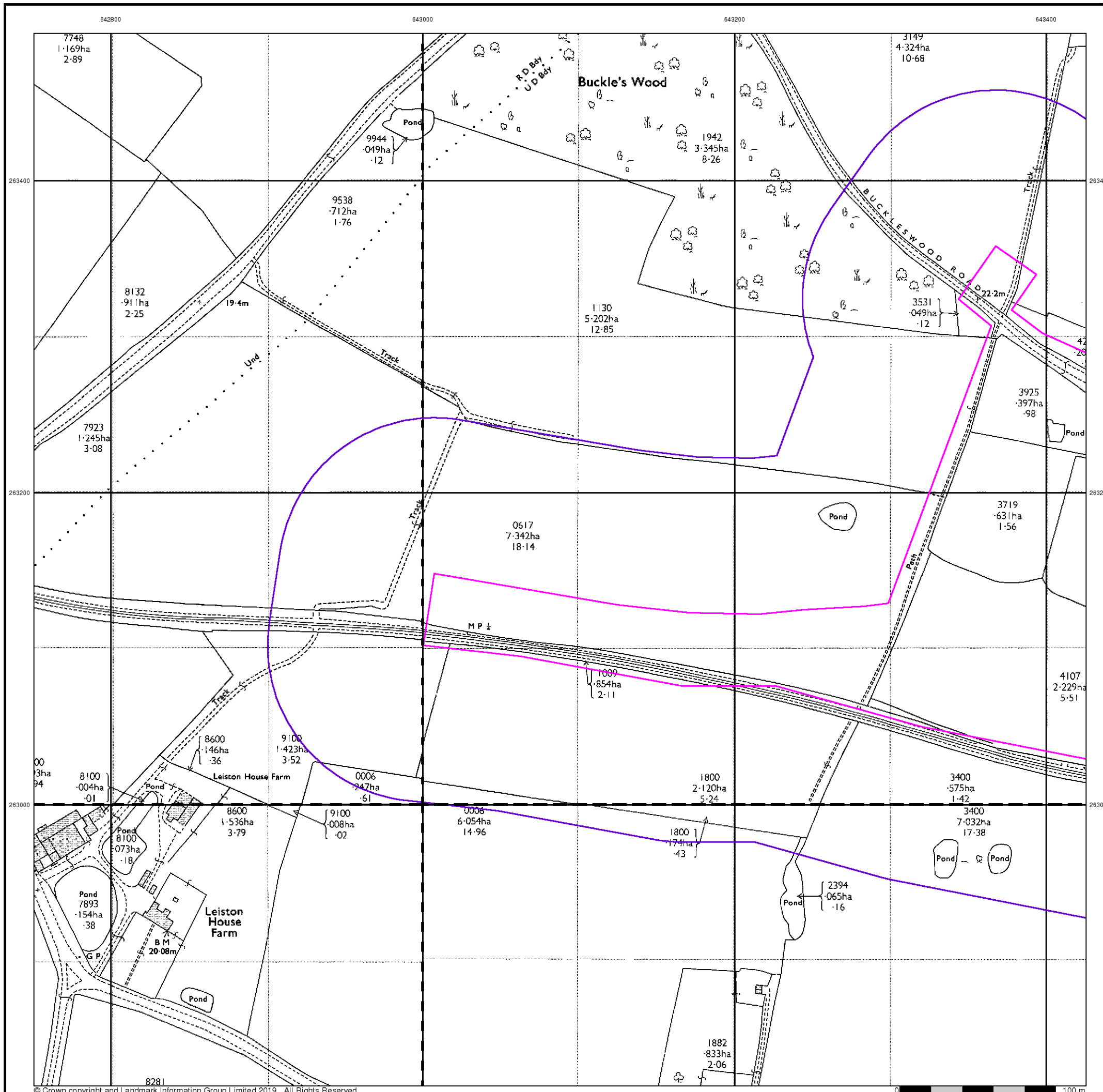


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



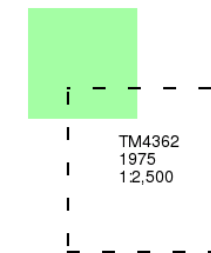
## Supply of Unpublished Survey Information

Published 1975

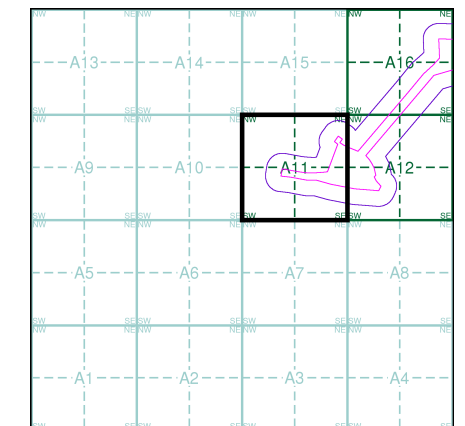
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A11

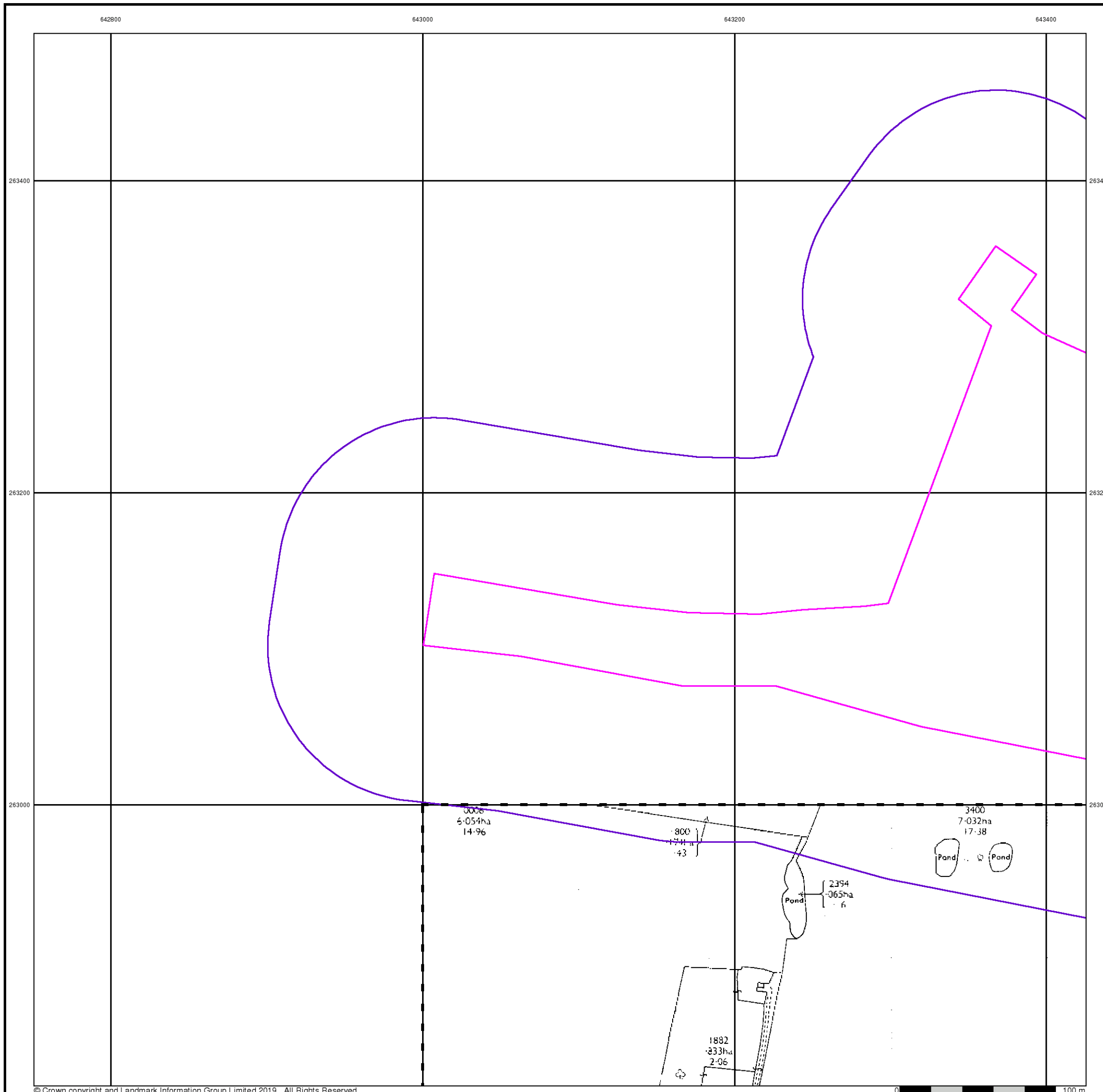


### Order Details

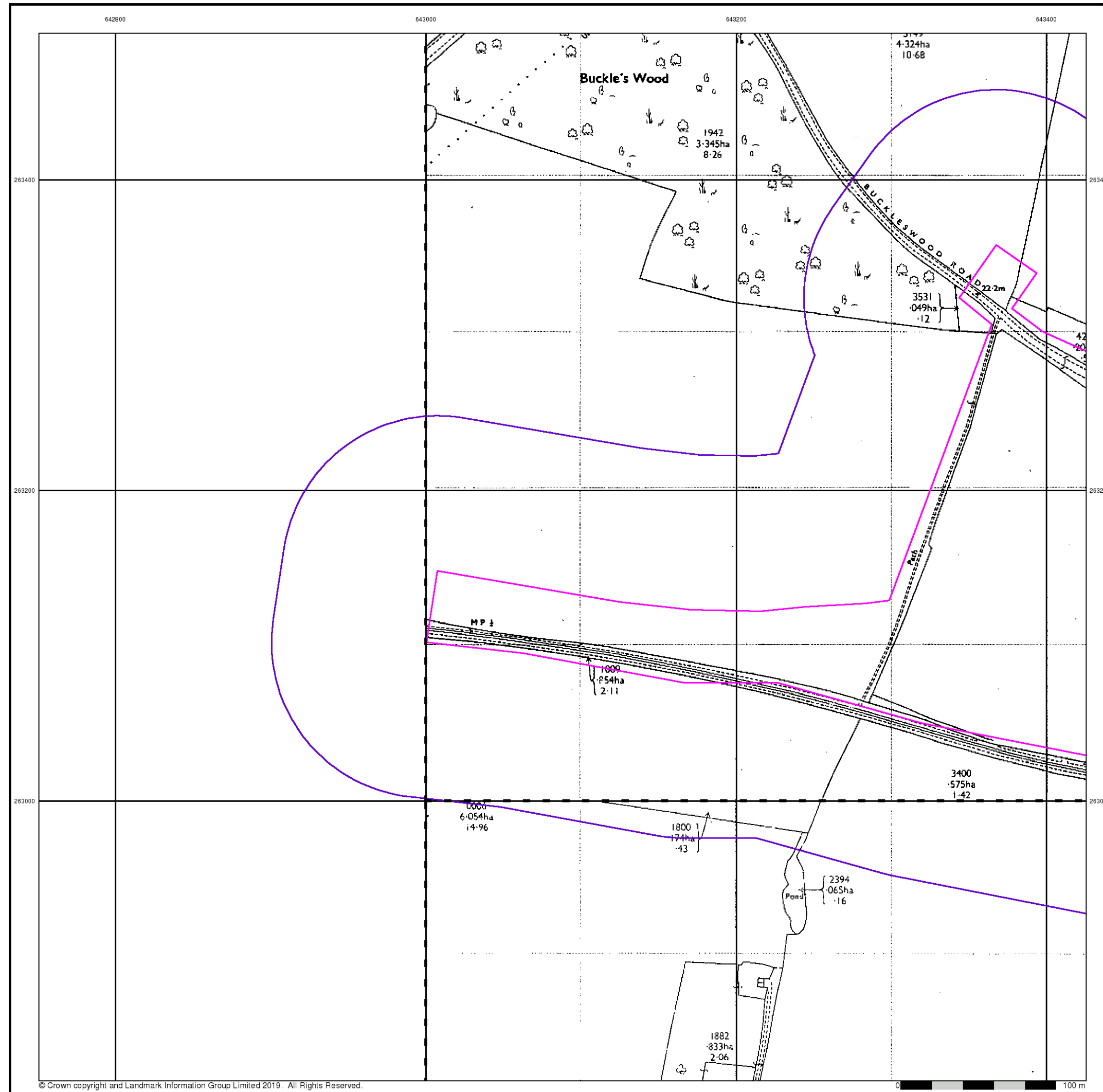
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk







© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

0 100 m

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Additional SIMs

Published 1987 - 1988

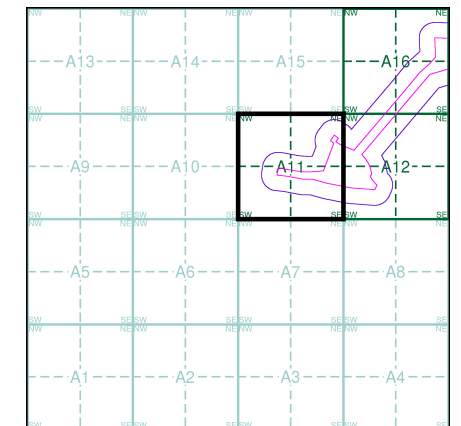
Source map scale - 1:2,500

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)

TM4363	1988	1:2,500
TM4362	1987	1:2,500

## Historical Map - Segment A11



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

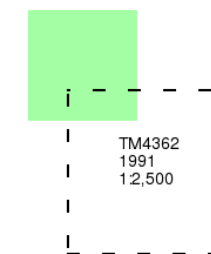
## Additional SIMs

Published 1991

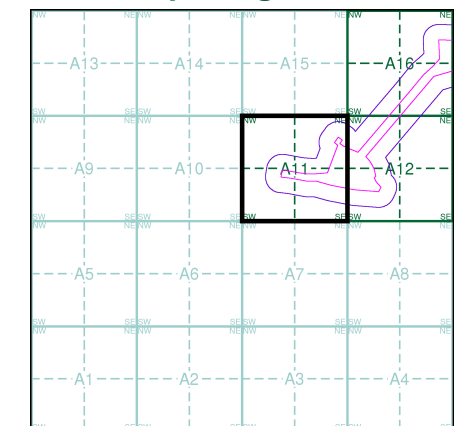
Source map scale - 1:2,500

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 A11

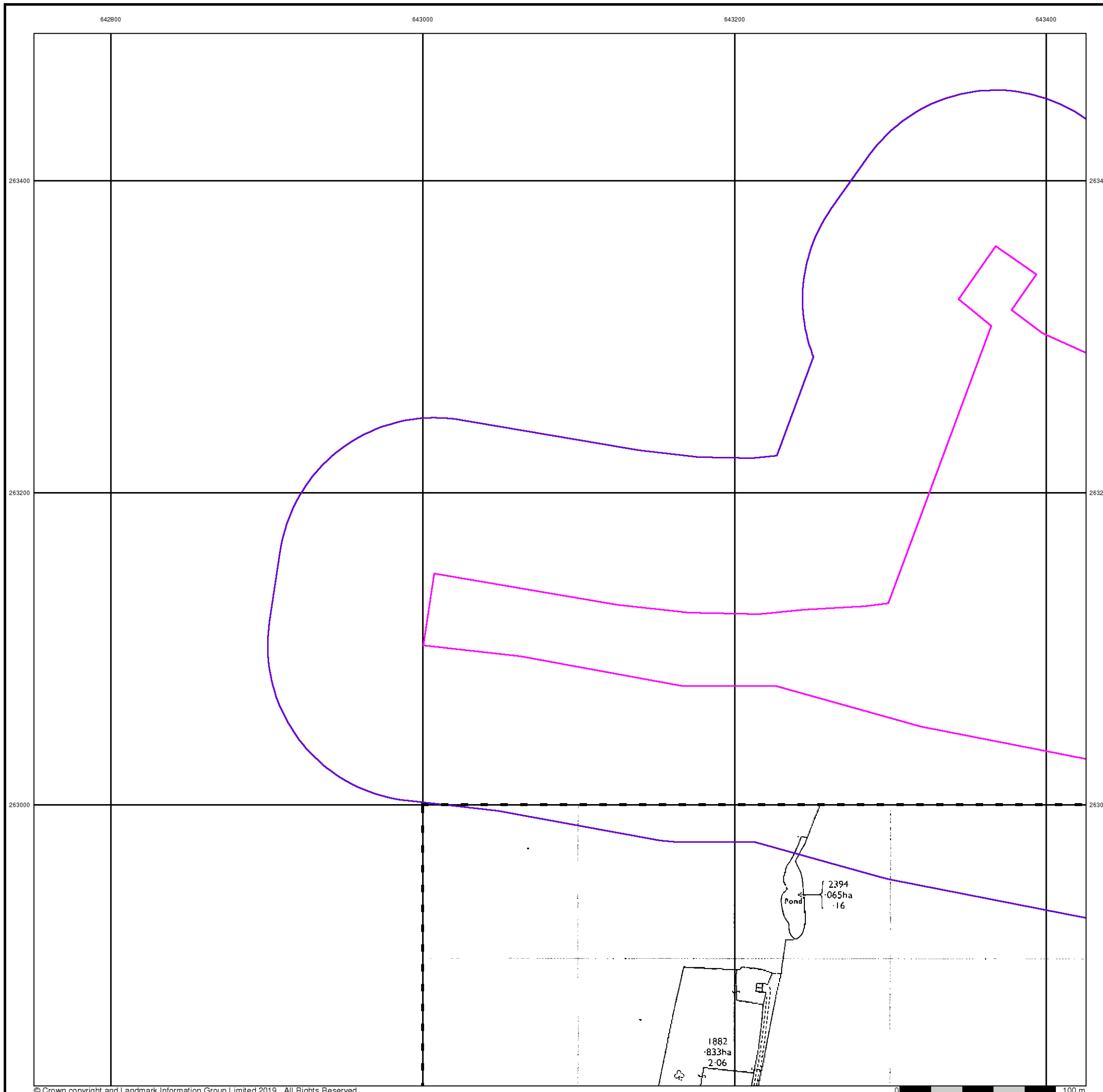


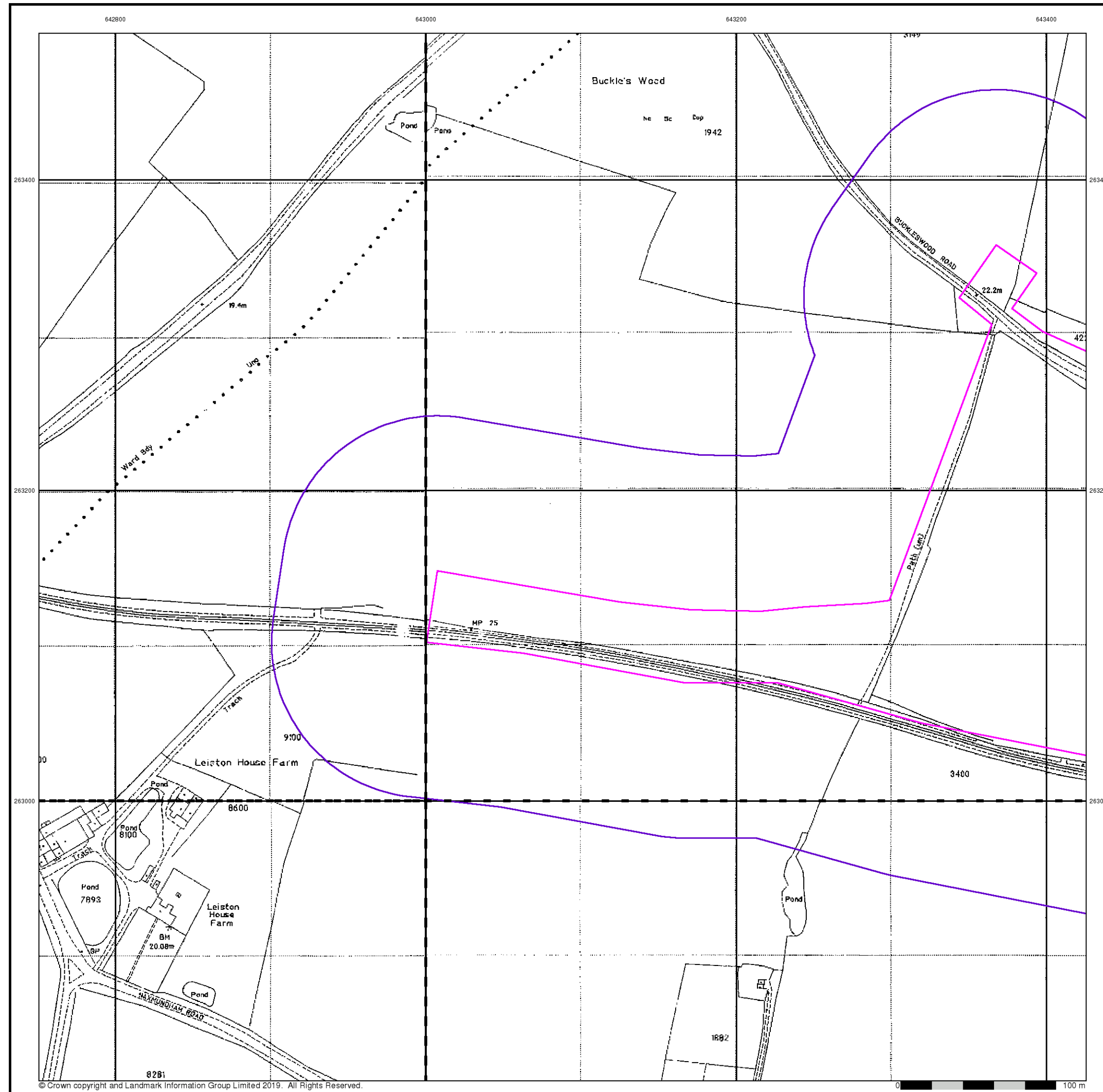
## Order Details

Order Number: 193135317\_1\_1  
Customer Ref: 5166065.303  
National Grid Reference: 643150, 263120  
Slice: A  
Site Area (Ha): 21.63  
Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk





© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Large-Scale National Grid Data

Published 1995

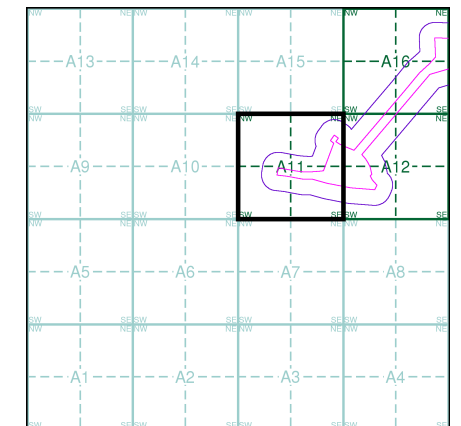
Source map scale - 1:2,500

'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)

TM4263 1995 1:2,500	TM4363 1995 1:2,500
TM4262 1995 1:2,500	TM4362 1995 1:2,500

### Historical Map - Segment A11



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

642800

643000

643200

643400

# Envirocheck®

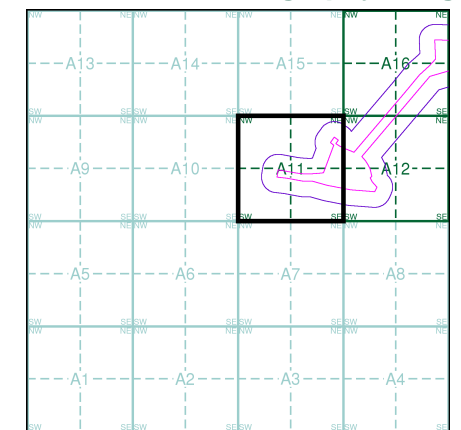
● LANDMARK INFORMATION GROUP®

## Historical Aerial Photography

**Published 1999**

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

### Historical Aerial Photography - Segment A11



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ●●● INFORMATION GROUP

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

263400

263400

263200

263200

263000

263000



# Historical Mapping Legends

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

**Quarry**   **Gravel Pit**   **Sand Pit**  
**Clay Pit**   **Shingle**   **Refuse Heap**  
**Sloping Masonry**   **Flat Rock**  
**Marsh**   **Reeds**   **Osiers**  
**Rough Pasture**   **Furze**   **Wood**  
**Mixed Wood**   **Brushwood**   **Orchard**  
**Fir**   **Ford**   **Stepping Stones**  
**Ferry**   **Waterfall**   **Lock**  
**Trig. Station**   **Altitude at Trig. Station**  
**B.M. 325.9**   **Bench Mark**   **Surface Level**  
**Arrow denotes flow of water**   **Antiquities (site of)**  
**Cutting**   **Embankment**  
**Railway crossing Road**   **Level Crossing**   **Road crossing Railway**  
**Railway crossing River or Canal**   **Road over single stream**   **Road over River or Canal**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**County Burgh Boundary (Scotland)**  
**Co. Boro. Bdy.**  
**Co. Burgh Bdy.**  
**BP BS** Boundary Post or Stone   **P.C.B** Police Call Box  
**B.R.** Bridle Road   **P** Pump  
**E.P** Electricity Pylon   **S.P** Signal Post  
**F.B.** Foot Bridge   **Sl** Sluice  
**F.P.** Foot Path   **Sp.** Spring  
**G.P** Guide Post or Board   **T.C.B** Telephone Call Box  
**M.S** Mile Stone   **Tr.** Trough  
**M.P M.R** Mooring Post or Ring   **W** Well

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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH** Beer House   **P** Pillar, Pole or Post  
**BP, BS** Boundary Post or Stone   **PO** Post Office  
**Cn, C** Capstan, Crane   **PC** Public Convenience  
**Chy** Chimney   **PH** Public House  
**D Fn** Drinking Fountain   **Pp** Pump  
**EI P** Electricity Pillar or Post   **SB, S Br** Signal Box or Bridge  
**FAP** Fire Alarm Pillar   **SP, SL** Signal Post or Light  
**FB** Foot Bridge   **Spr** Spring  
**GP** Guide Post   **Tk** Tank or Track  
**H** Hydrant or Hydraulic   **TCB** Telephone Call Box  
**LC** Level Crossing   **TCP** Telephone Call Post  
**MH** Manhole   **Tr** Trough  
**MP** Mile Post or Mooring Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MS** Mile Stone   **W** Well  
**NTL** Normal Tidal Limit   **Wd Pp** Wind Pump

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

**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**BM 231.60m** Bench Mark   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks** Barracks   **P** Pillar, Pole or Post  
**Bty** Battery   **PO** Post Office  
**Cemy** Cemetery   **PC** Public Convenience  
**Chy** Chimney   **Pp** Pump  
**Cis** Cistern   **Ppg Sta** Pumping Station  
**Dismtd Rly** Dismantled Railway   **PW** Place of Worship  
**EI Gen Sta** Electricity Generating Station   **Sewage Ppg Sta** Sewage Pumping Station  
**EI P** Electricity Pole, Pillar   **SB, S Br** Signal Box or Bridge  
**EI Sub Sta** Electricity Sub Station   **SP, SL** Signal Post or Light  
**FB** Filter Bed   **Spr** Spring  
**Fn / D Fn** Fountain / Drinking Ftn.   **Tk** Tank or Track  
**Gas Gov** Gas Valve Compound   **Tr** Trough  
**GVC** Gas Governor   **Wd Pp** Wind Pump  
**GP** Guide Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MH** Manhole   **Wks** Works (building or area)  
**MP, MS** Mile Post or Mile Stone   **W** Well

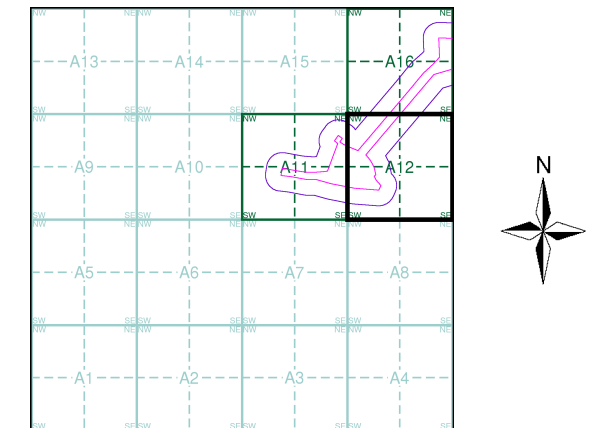
# Envirocheck®

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	1970 - 1971	5
Supply of Unpublished Survey Information	1:2,500	1975	6
Additional SIMs	1:2,500	1977 - 1989	7
Ordnance Survey Plan	1:2,500	1986	8
Additional SIMs	1:2,500	1986 - 1991	9
Additional SIMs	1:2,500	1987	10
Additional SIMs	1:2,500	1987	11
Additional SIMs	1:2,500	1988	12
Large-Scale National Grid Data	1:2,500	1995	13
Historical Aerial Photography	1:2,500	1999	14

## Historical Map - Segment A12



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 LANDMARK INFORMATION GROUP

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

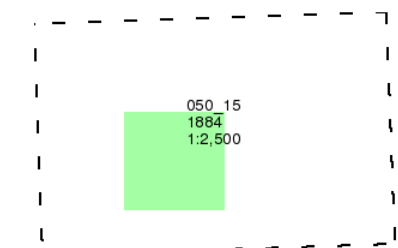
**Suffolk**

**Published 1884**

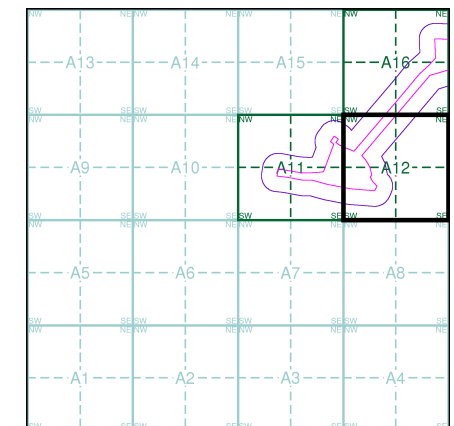
**Source map scale - 1:2,500**

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

### Map Name(s) and Date(s)



### Historical Map - Segment A12

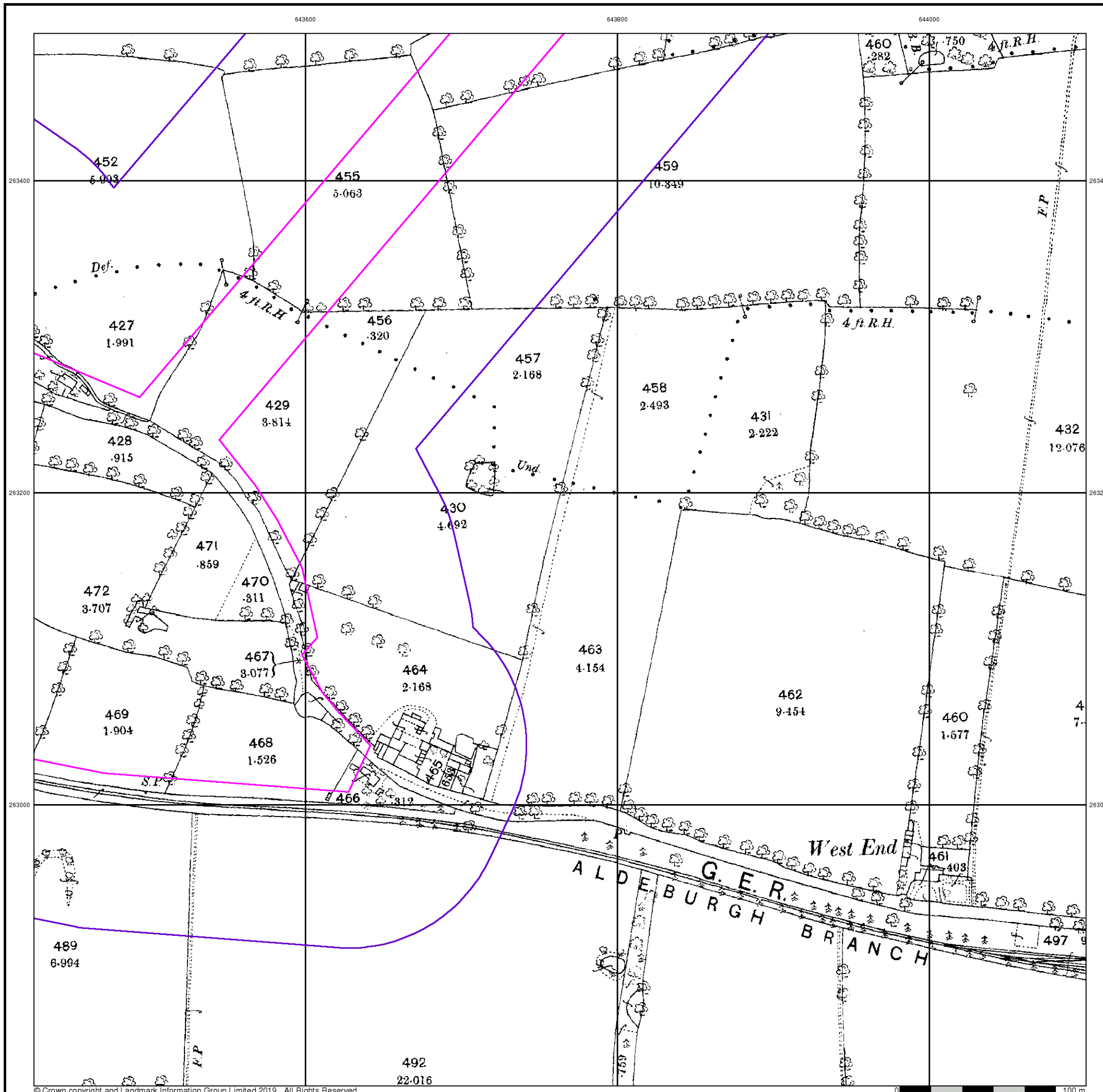


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



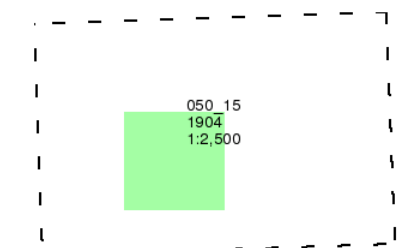
Suffolk

Published 1904

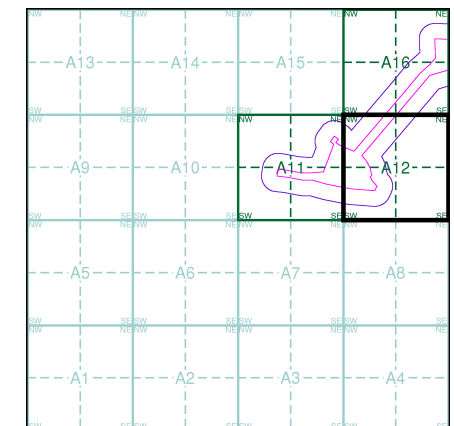
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A12

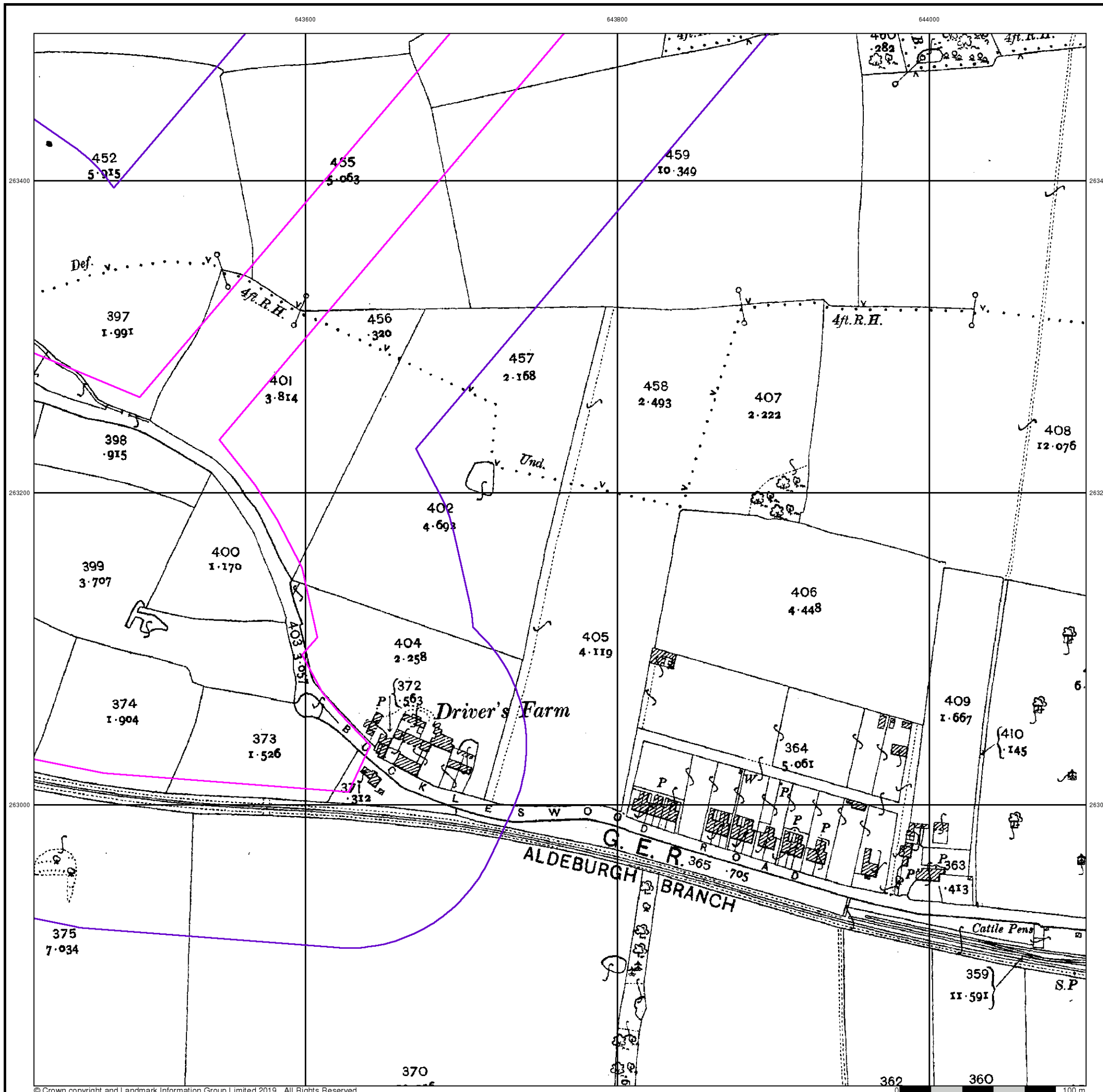


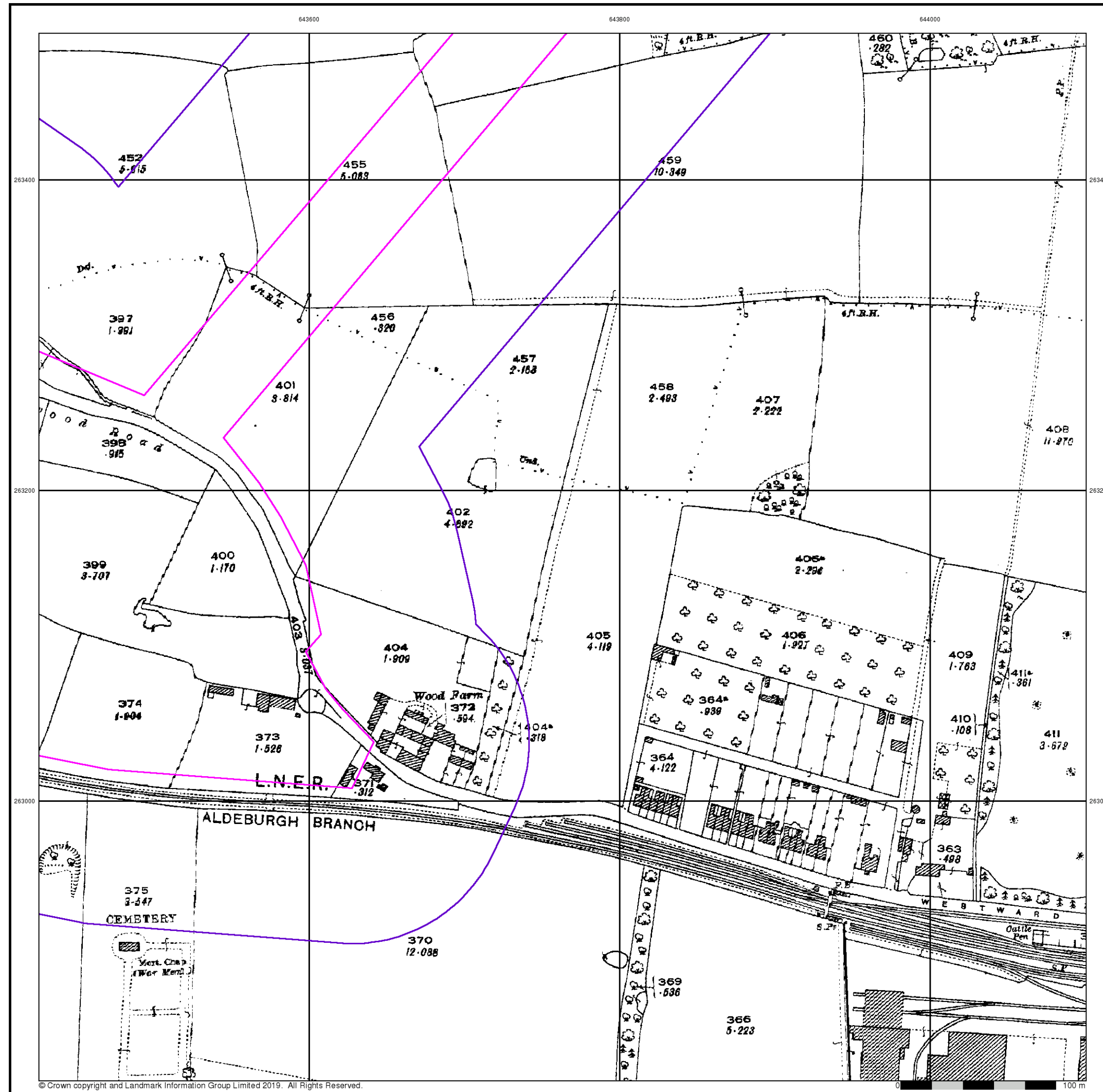
### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

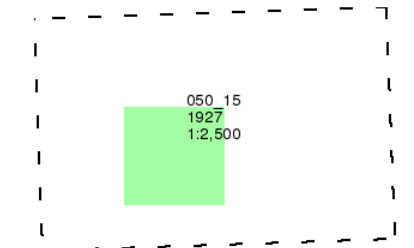




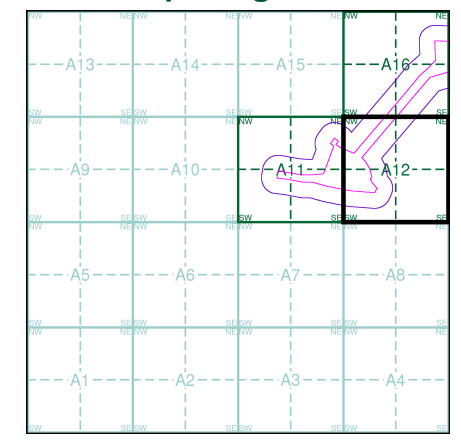
**Suffolk**  
**Published 1927**  
**Source map scale - 1:2,500**

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

### Map Name(s) and Date(s)



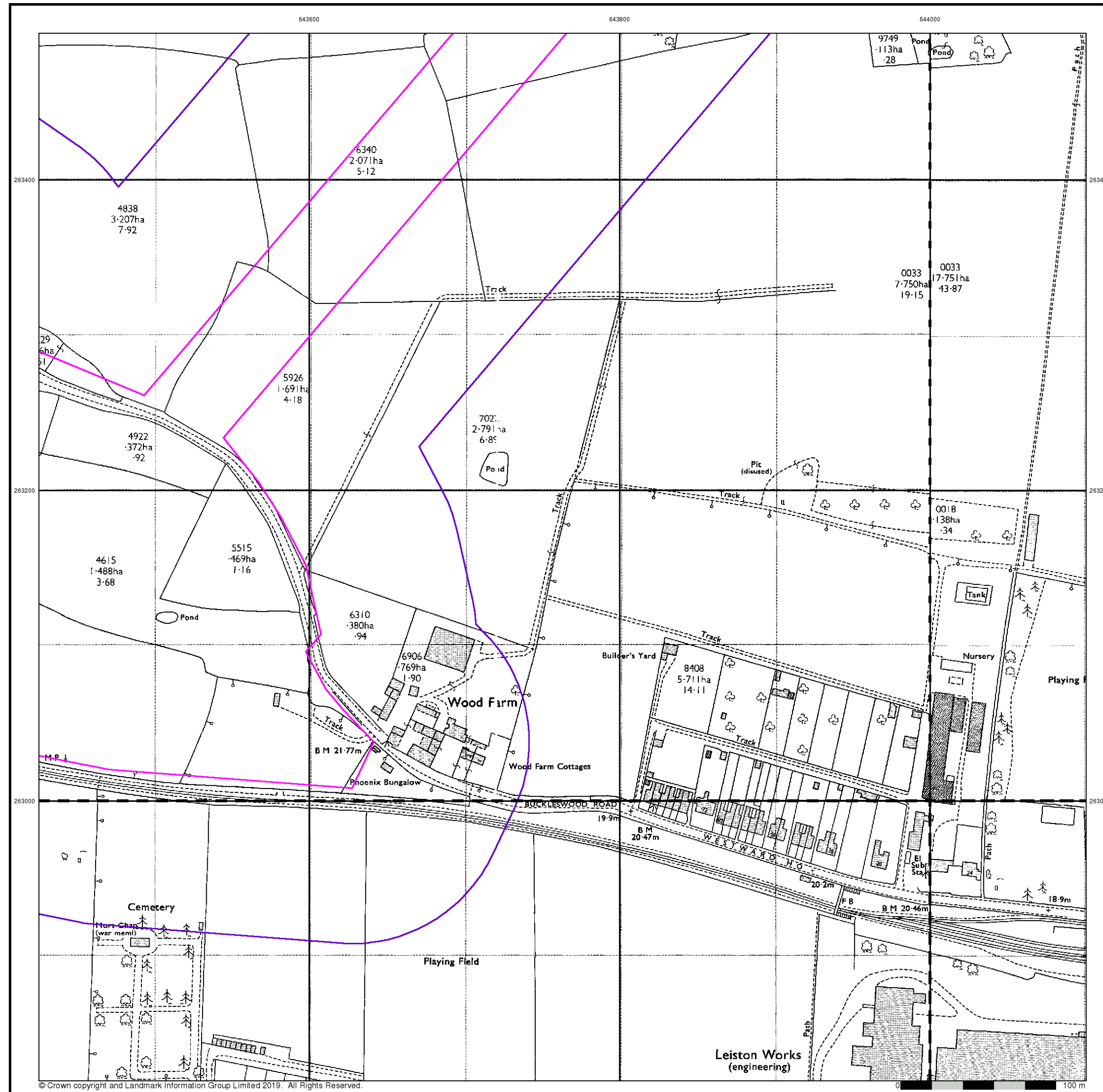
### Historical Map - Segment A12



**Order Details**  
 Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

**Site Details**  
 Site at, Leiston, Suffolk





## Ordnance Survey Plan

Published 1970 - 1971

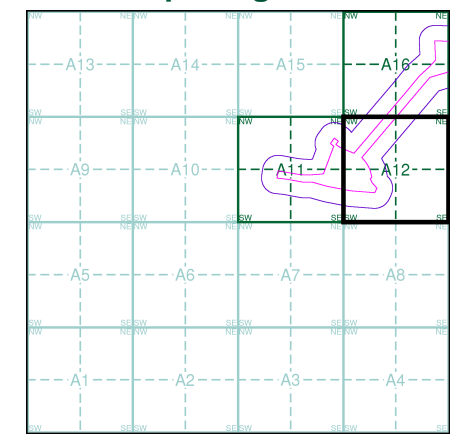
Source map scale - 1:2,500

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)

TM4363 1971 12,500	TM4463 1970 12,500
TM4362 1970 12,500	TM4462 1971 12,500

### Historical Map - Segment A12

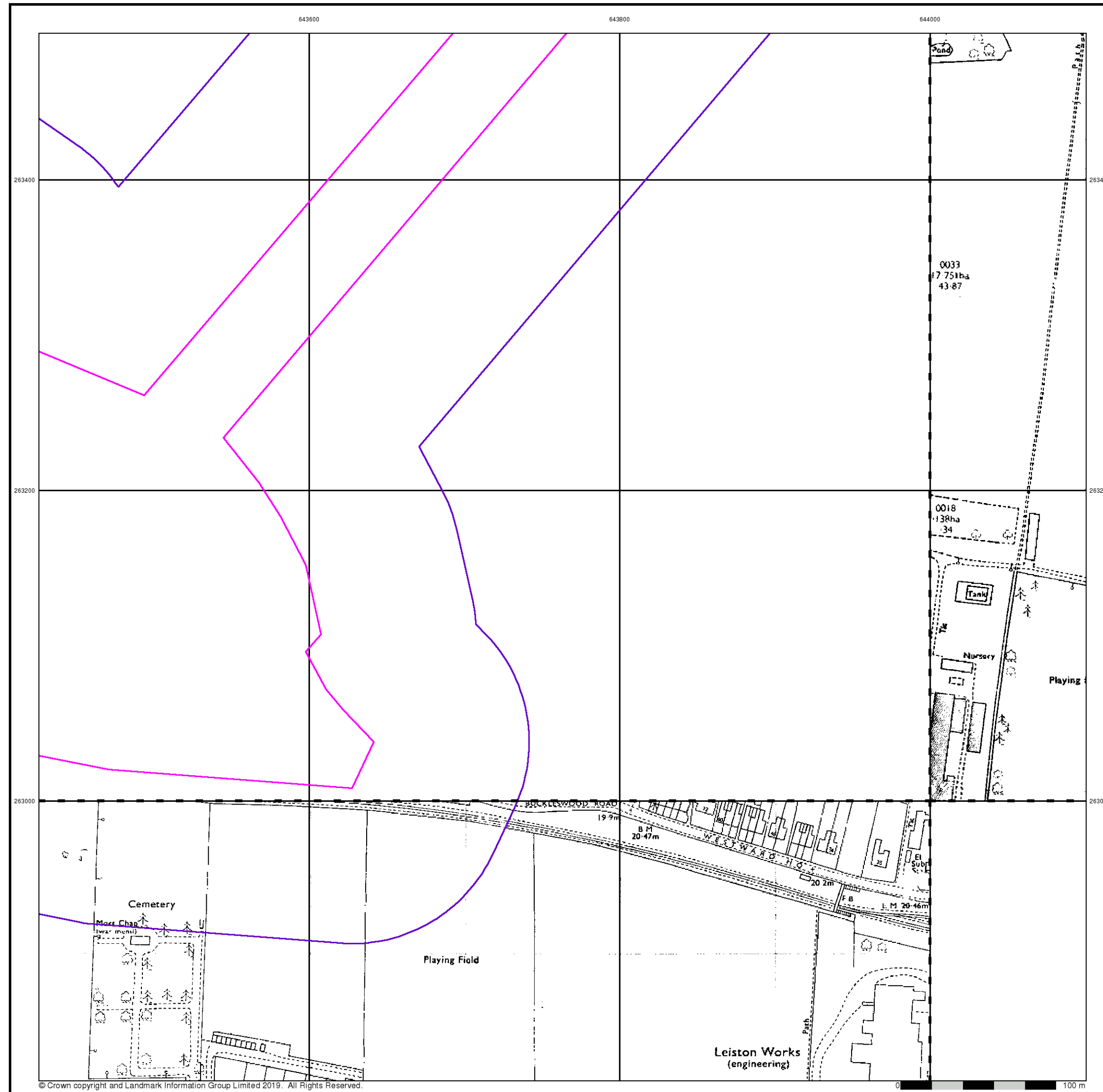


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

● LANDMARK INFORMATION GROUP®

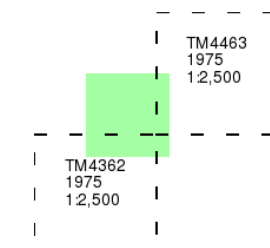
## Supply of Unpublished Survey Information

Published 1975

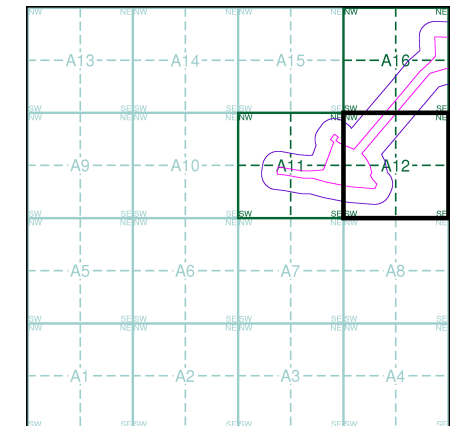
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A12



### Order Details

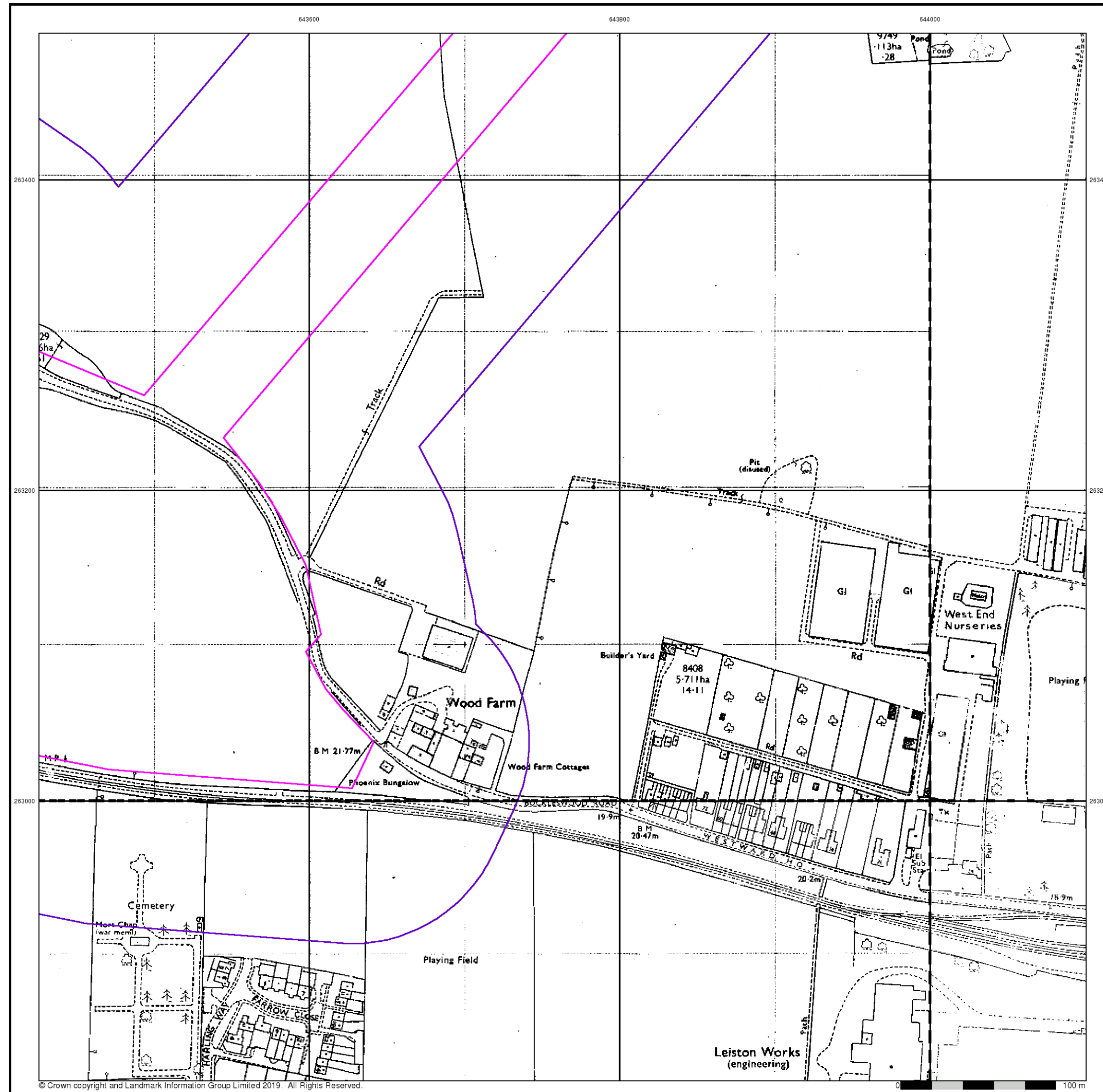
Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 ●●● INFORMATION GROUP

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



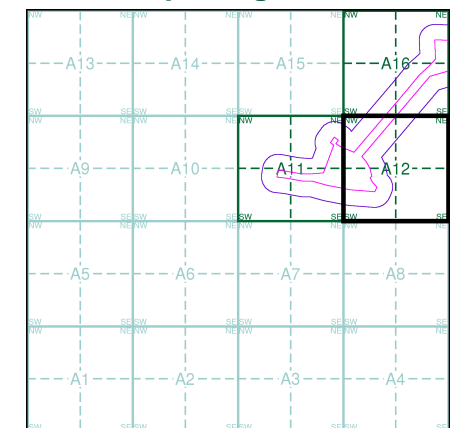
**Additional SIMs**  
**Published 1977 - 1989**  
**Source map scale - 1:2,500**

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

### Map Name(s) and Date(s)

TM4363 1988 12,500	TM4463 1989 12,500
TM4362 1987 12,500	TM4462 1977 12,500

### Historical Map - Segment A12



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

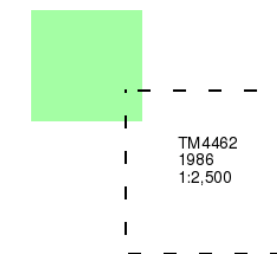
## Ordnance Survey Plan

Published 1986

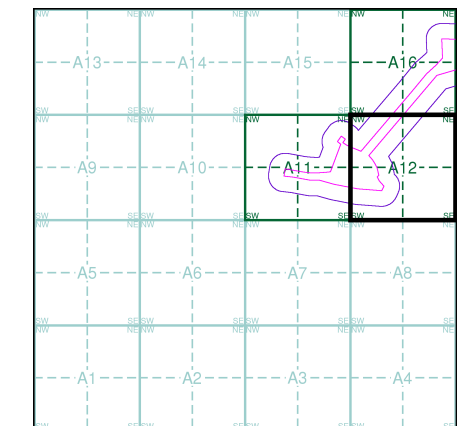
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A12

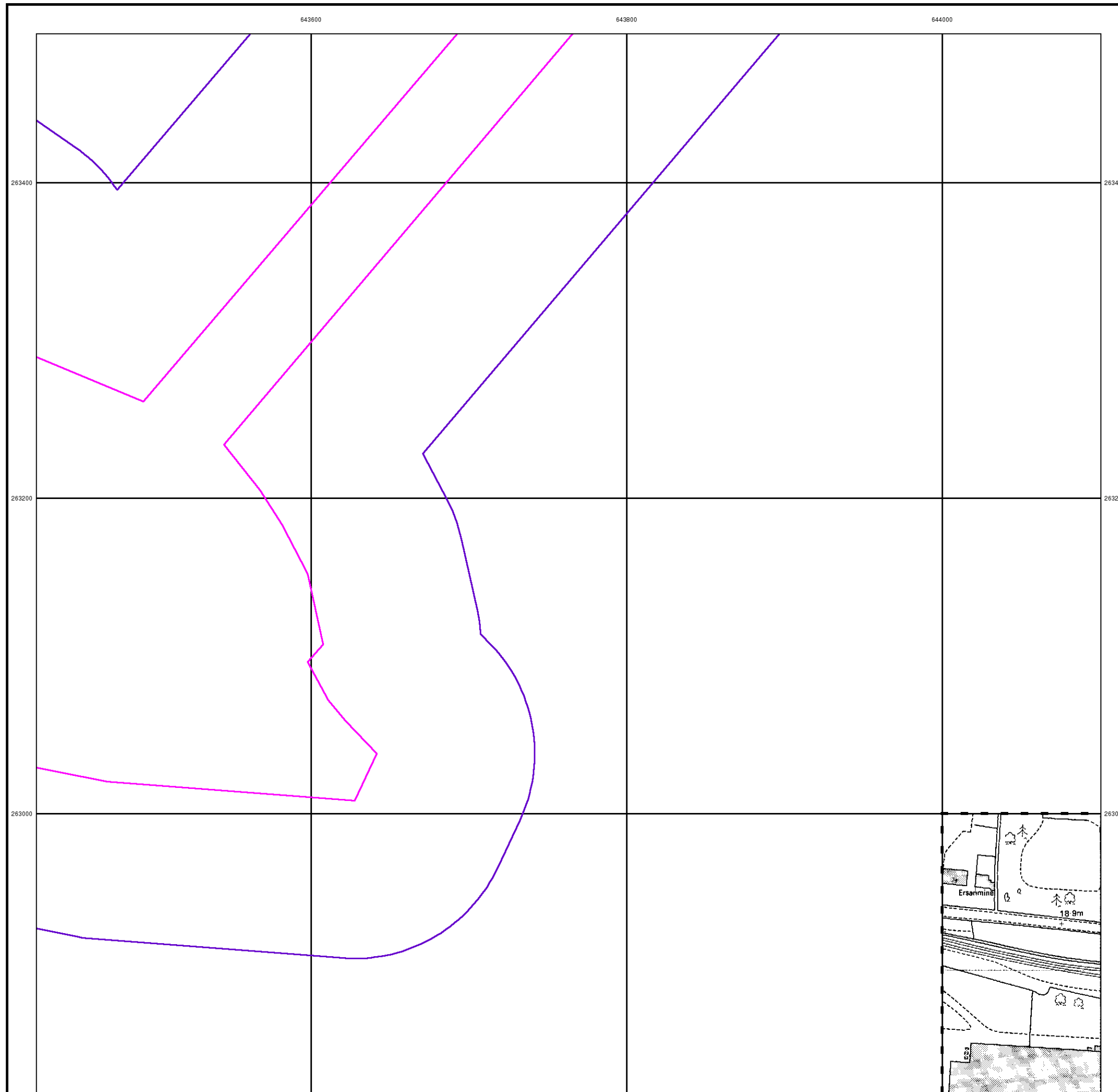


### Order Details

Order Number: 193135317\_1\_1  
Customer Ref: 5166065.303  
National Grid Reference: 643150, 263120  
Slice: A  
Site Area (Ha): 21.63  
Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



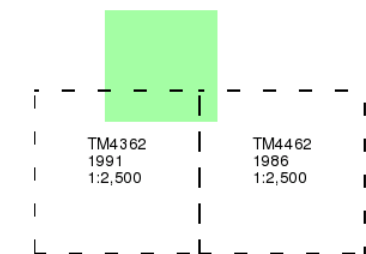
## Additional SIMs

Published 1986 - 1991

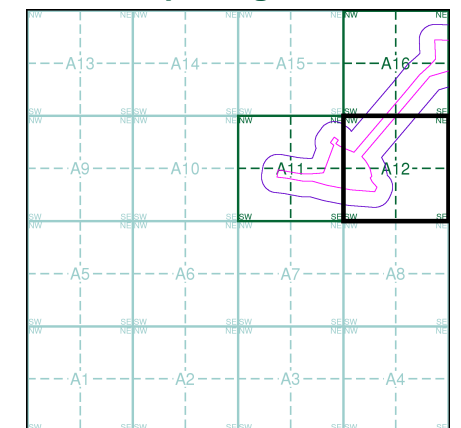
Source map scale - 1:2,500

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 A12



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk



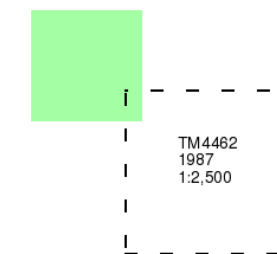
## Additional SIMs

Published 1987

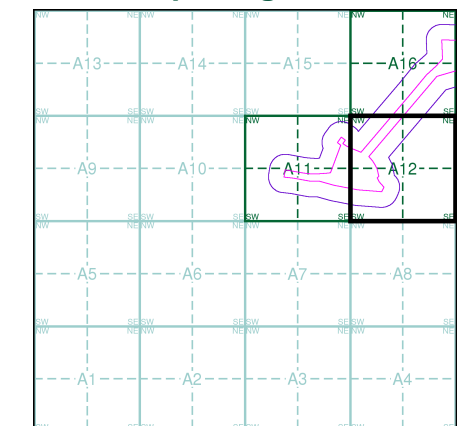
Source map scale - 1:2,500

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 A12

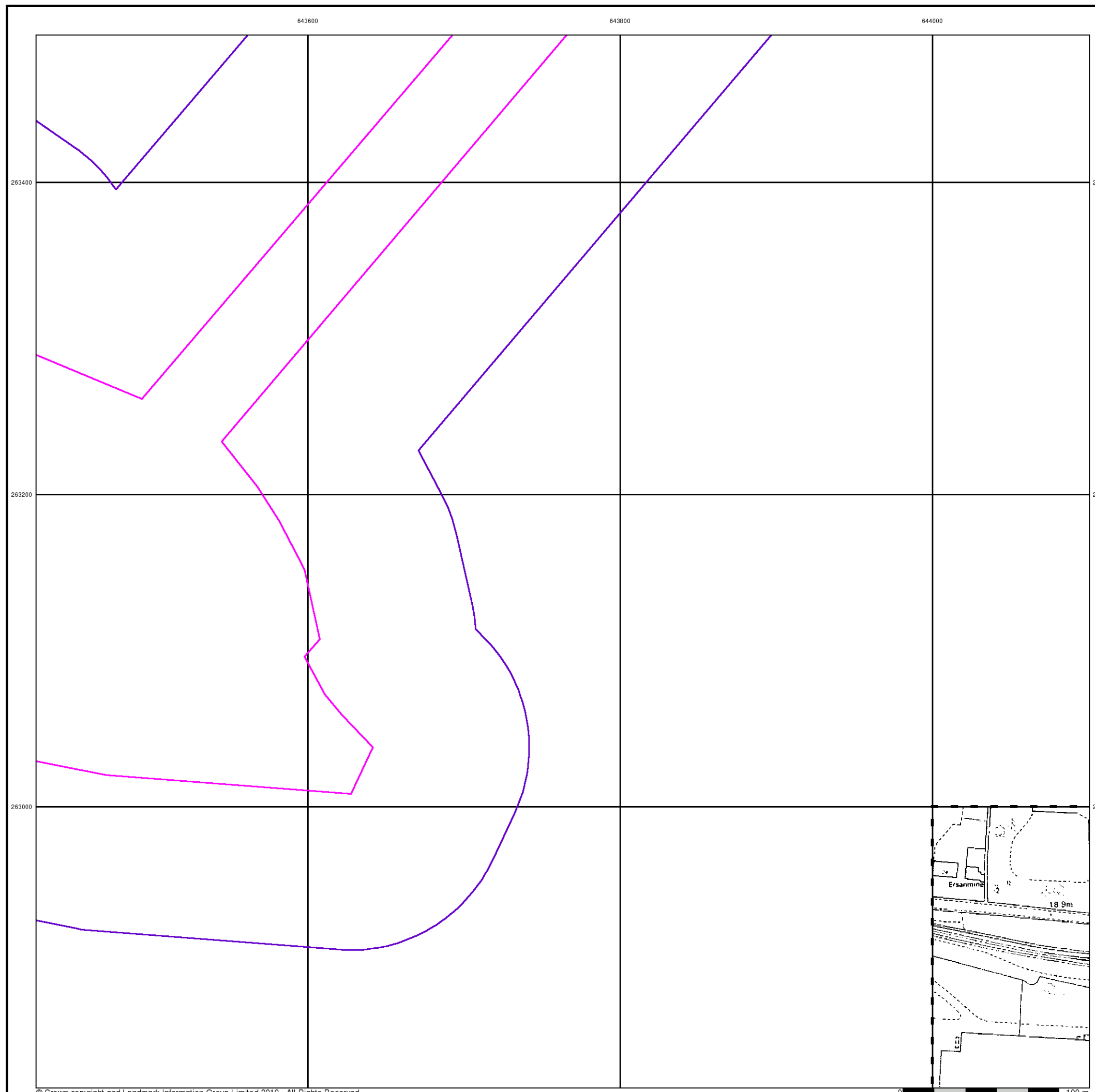


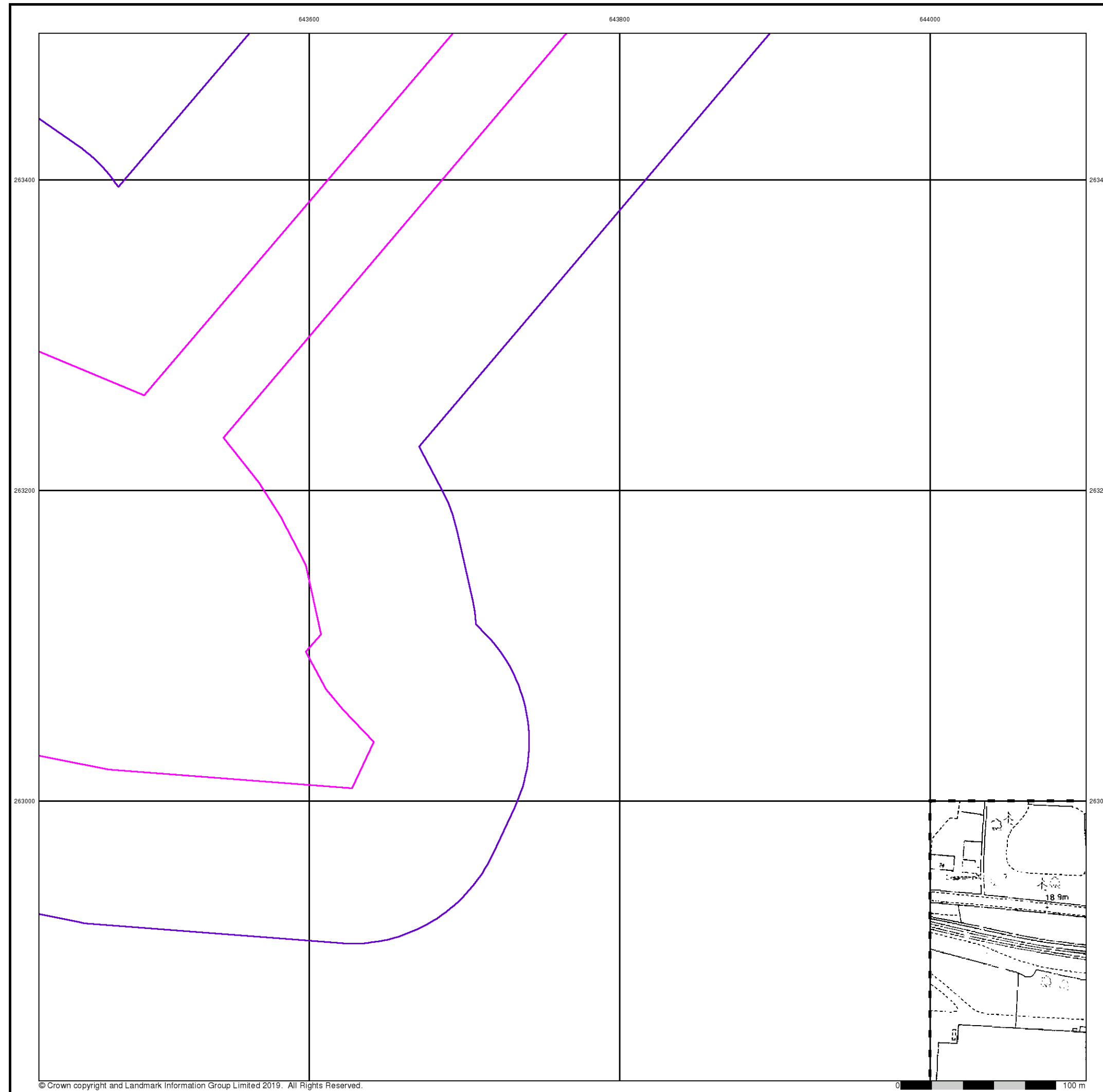
## Order Details

Order Number: 193135317\_1\_1  
Customer Ref: 5166065.303  
National Grid Reference: 643150, 263120  
Slice: A  
Site Area (Ha): 21.63  
Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk





© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

● LANDMARK INFORMATION GROUP®

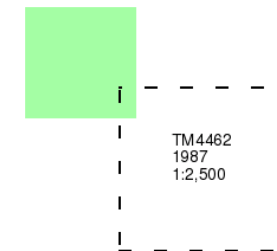
## Additional SIMs

Published 1987

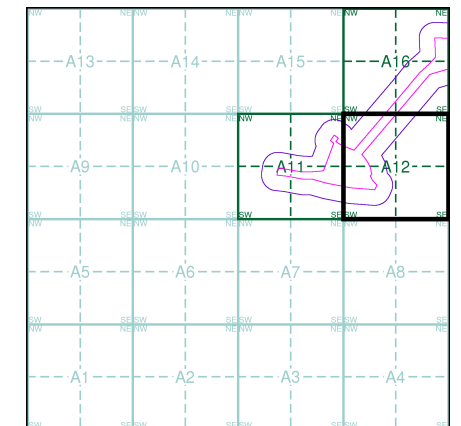
### Source map scale - 1:2,500

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 A12



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk

**Landmark**  
 ● INFORMATION GROUP

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

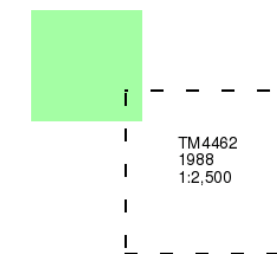
## Additional SIMs

Published 1988

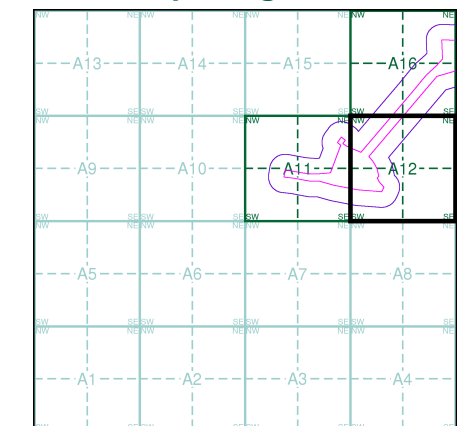
Source map scale - 1:2,500

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 A12

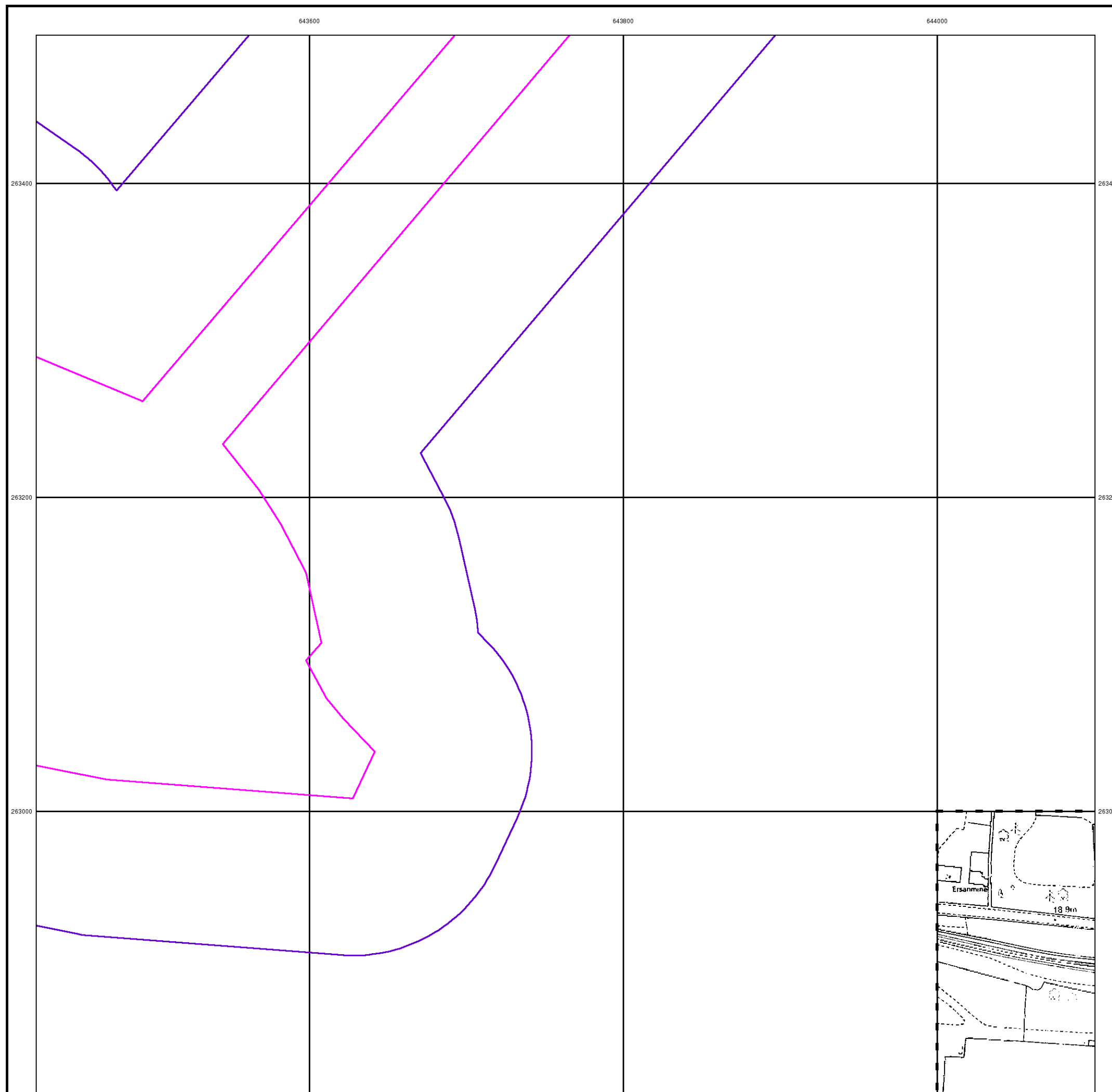


## Order Details

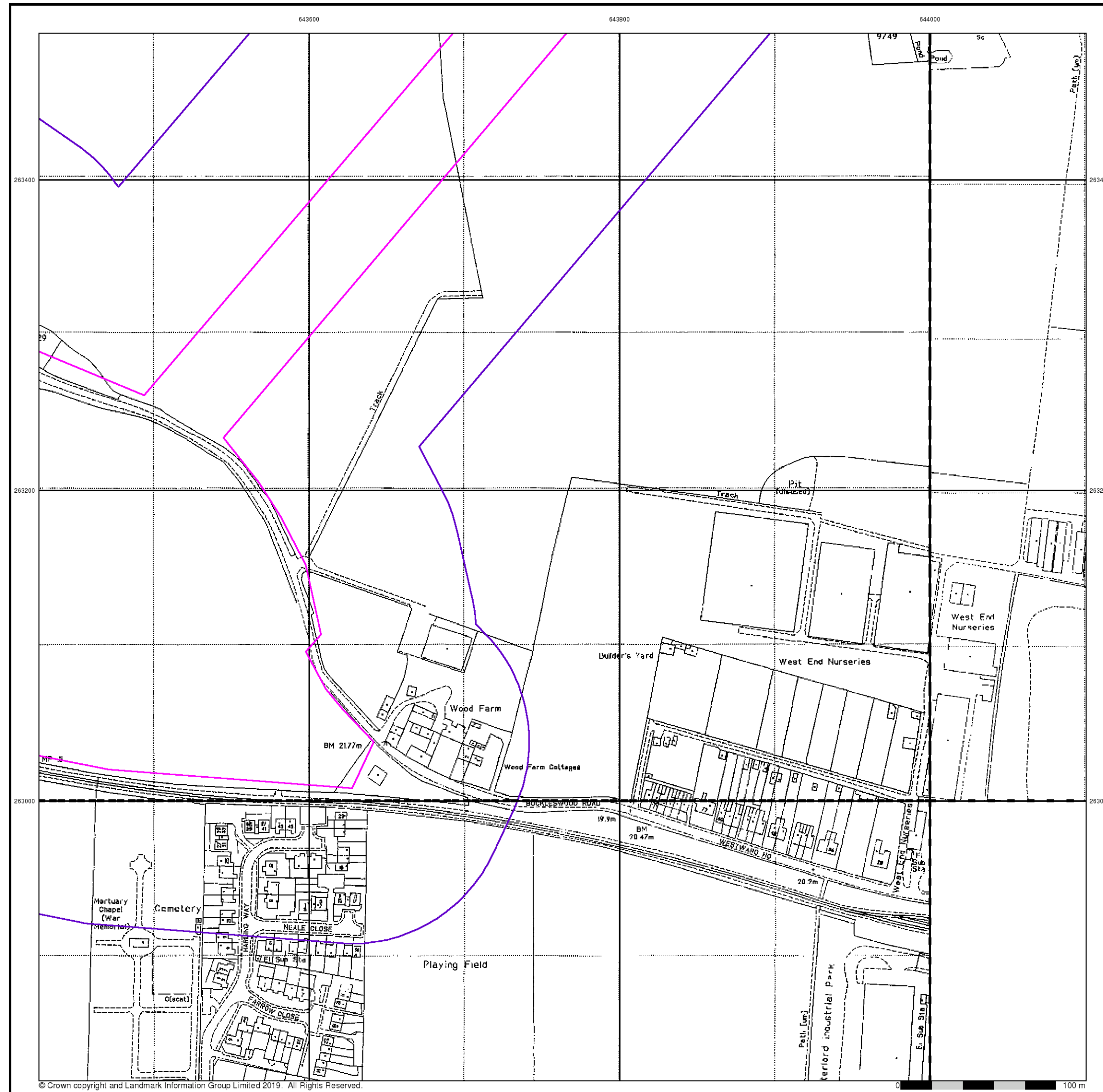
Order Number: 193135317\_1\_1  
Customer Ref: 5166065.303  
National Grid Reference: 643150, 263120  
Slice: A  
Site Area (Ha): 21.63  
Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk







© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Large-Scale National Grid Data

Published 1995

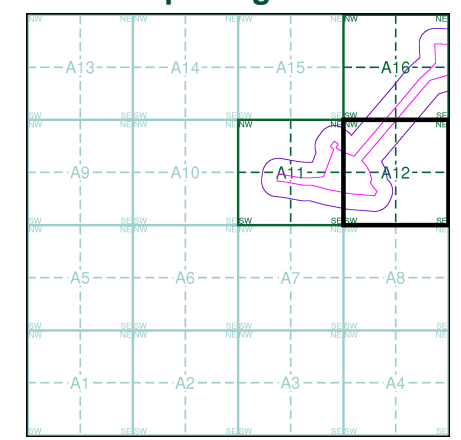
Source map scale - 1:2,500

'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)

TM4363 1995 1:2,500	TM4463 1995 1:2,500
TM4362 1995 1:2,500	

### Historical Map - Segment A12



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

643600

643800

644000

263400

263400

263200

263200

263000

263000



© Copyright Getmapping plc

0 100 m

# Envirocheck®

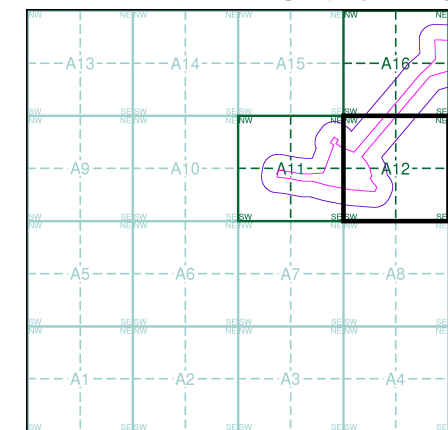
● LANDMARK INFORMATION GROUP®

## Historical Aerial Photography

**Published 1999**

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

### Historical Aerial Photography - Segment A12



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ●●● INFORMATION GROUP

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

# Historical Mapping Legends

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

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

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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH**   **Beer House**   **P**   **Pillar, Pole or Post**  
**BP, BS**   **Boundary Post or Stone**   **PO**   **Post Office**  
**Cn, C**   **Capstan, Crane**   **PC**   **Public Convenience**  
**Chy**   **Chimney**   **PH**   **Public House**  
**D Fn**   **Drinking Fountain**   **Pp**   **Pump**  
**EI P**   **Electricity Pillar or Post**   **SB, S Br**   **Signal Box or Bridge**  
**FAP**   **Fire Alarm Pillar**   **SP, SL**   **Signal Post or Light**  
**FB**   **Foot Bridge**   **Spr**   **Spring**  
**GP**   **Guide Post**   **Tk**   **Tank or Track**  
**H**   **Hydrant or Hydraulic**   **TCB**   **Telephone Call Box**  
**LC**   **Level Crossing**   **TCP**   **Telephone Call Post**  
**MH**   **Manhole**   **Tr**   **Trough**  
**MP**   **Mile Post or Mooring Post**   **Wr Pt, Wr T**   **Water Point, Water Tap**  
**MS**   **Mile Stone**   **W**   **Well**  
**NTL**   **Normal Tidal Limit**   **Wd Pp**   **Wind Pump**

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

**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**B.M. 231.60m**   **Bench Mark**   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks**   **Barracks**   **P**   **Pillar, Pole or Post**  
**Bty**   **Battery**   **PO**   **Post Office**  
**Cemy**   **Cemetery**   **PC**   **Public Convenience**  
**Chy**   **Chimney**   **Pp**   **Pump**  
**Cis**   **Cistern**   **Ppg Sta**   **Pumping Station**  
**Dismtd Rly**   **Dismantled Railway**   **PW**   **Place of Worship**  
**EI Gen Sta**   **Electricity Generating Station**   **Sewage Ppg Sta**   **Sewage Pumping Station**  
**EI P**   **Electricity Pole, Pillar**   **SB, S Br**   **Signal Box or Bridge**  
**EI Sub Sta**   **Electricity Sub Station**   **SP, SL**   **Signal Post or Light**  
**FB**   **Filter Bed**   **Spr**   **Spring**  
**Fn / D Fn**   **Fountain / Drinking Ftn.**   **Tk**   **Tank or Track**  
**Gas Gov**   **Gas Valve Compound**   **Tr**   **Trough**  
**GVC**   **Gas Governor**   **Wd Pp**   **Wind Pump**  
**GP**   **Guide Post**   **Wr Pt, Wr T**   **Water Point, Water Tap**  
**MH**   **Manhole**   **Wks**   **Works (building or area)**  
**MP, MS**   **Mile Post or Mile Stone**   **W**   **Well**

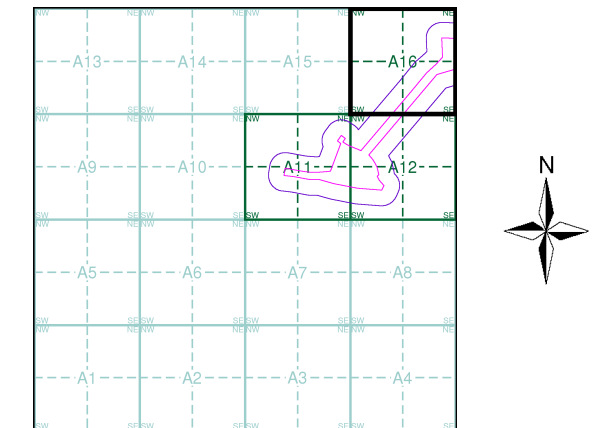
# Envirocheck®

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	1970 - 1971	5
Supply of Unpublished Survey Information	1:2,500	1975	6
Additional SIMs	1:2,500	1988 - 1989	7
Large-Scale National Grid Data	1:2,500	1995	8
Historical Aerial Photography	1:2,500	1999	9

## Historical Map - Segment A16



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 INFORMATION GROUP

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

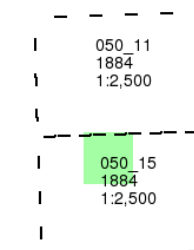
Suffolk

Published 1884

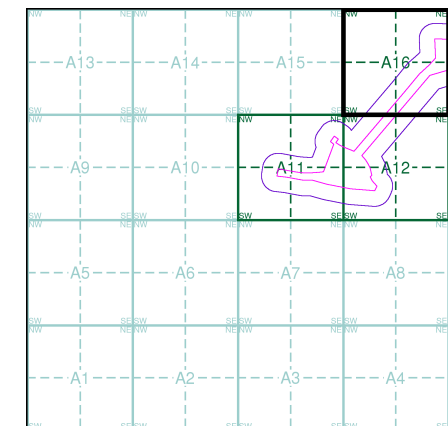
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A16

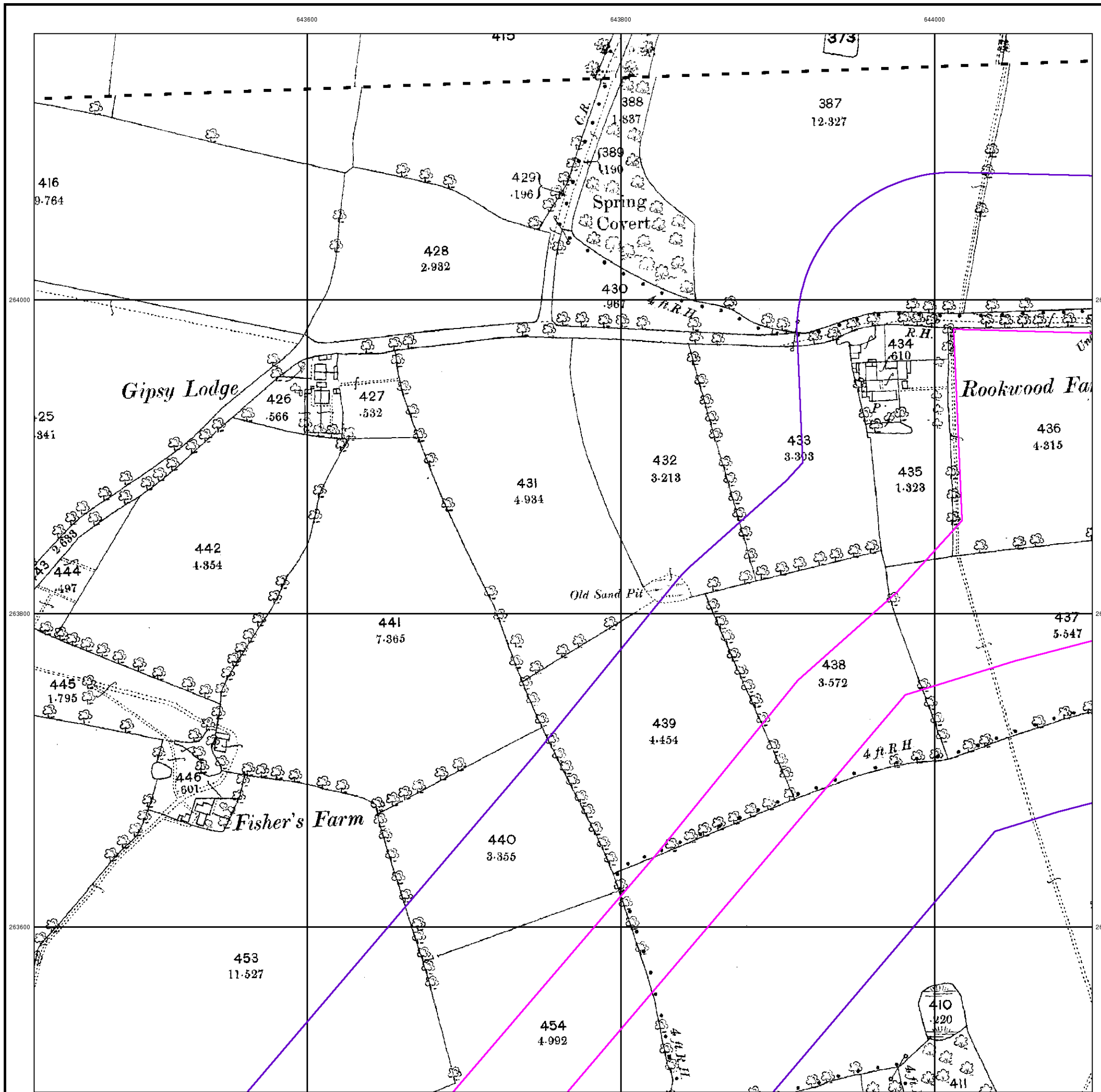


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



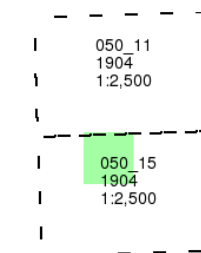
## Suffolk

Published 1904

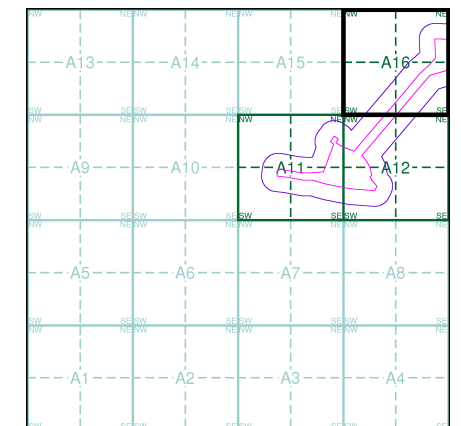
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A16

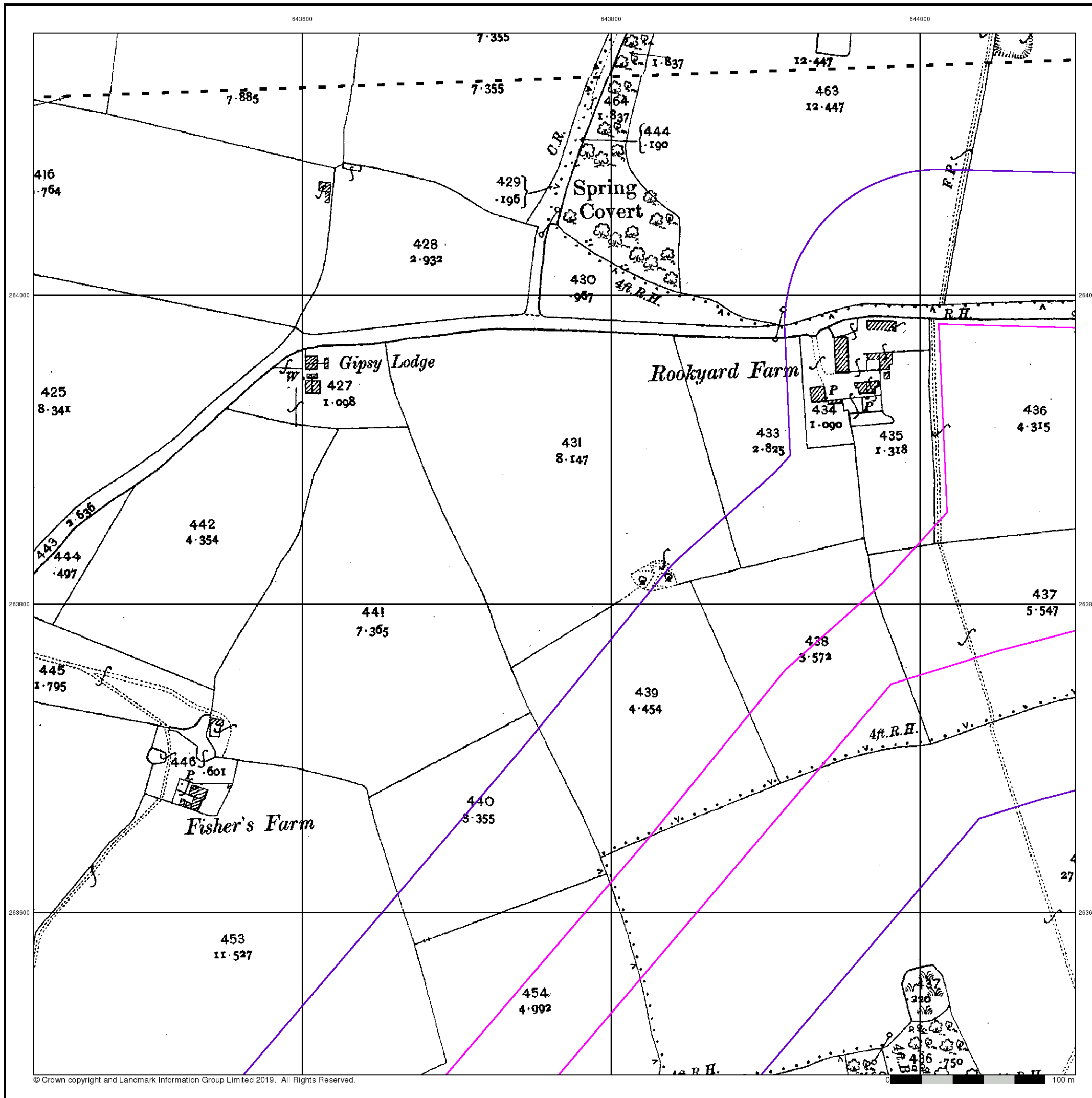


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



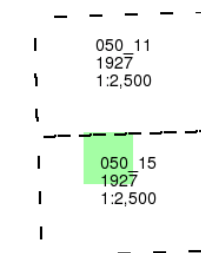
## Suffolk

Published 1927

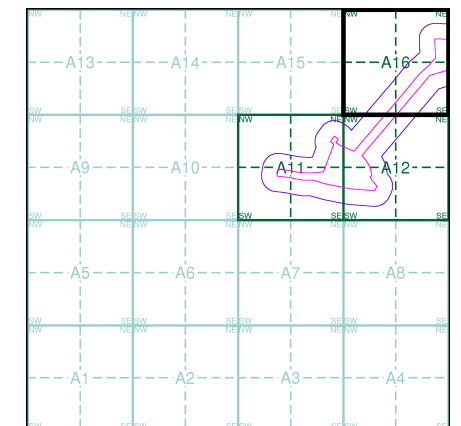
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A16

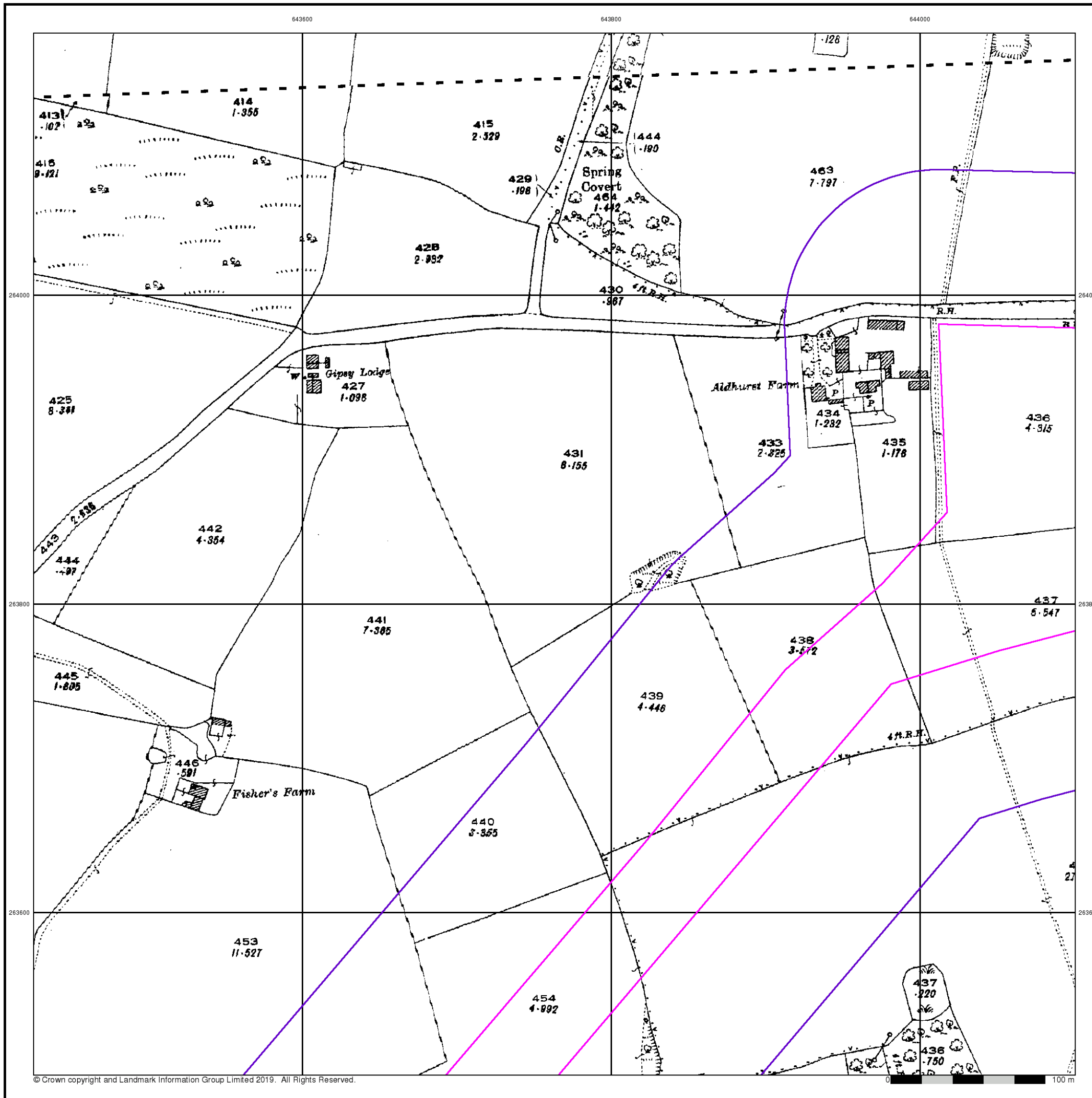


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



## Ordnance Survey Plan

Published 1970 - 1971

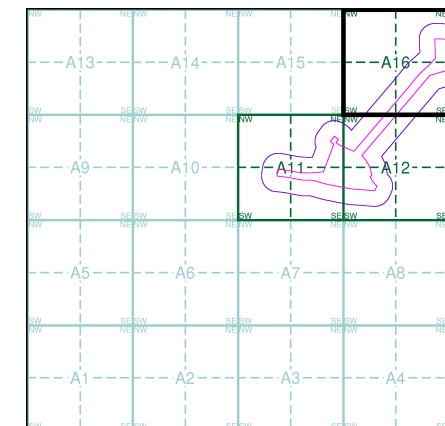
Source map scale - 1:2,500

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)

TM4364 1971 1:2,500	TM4464 1971 1:2,500
TM4363 1971 1:2,500	TM4463 1970 1:2,500

### Historical Map - Segment A16

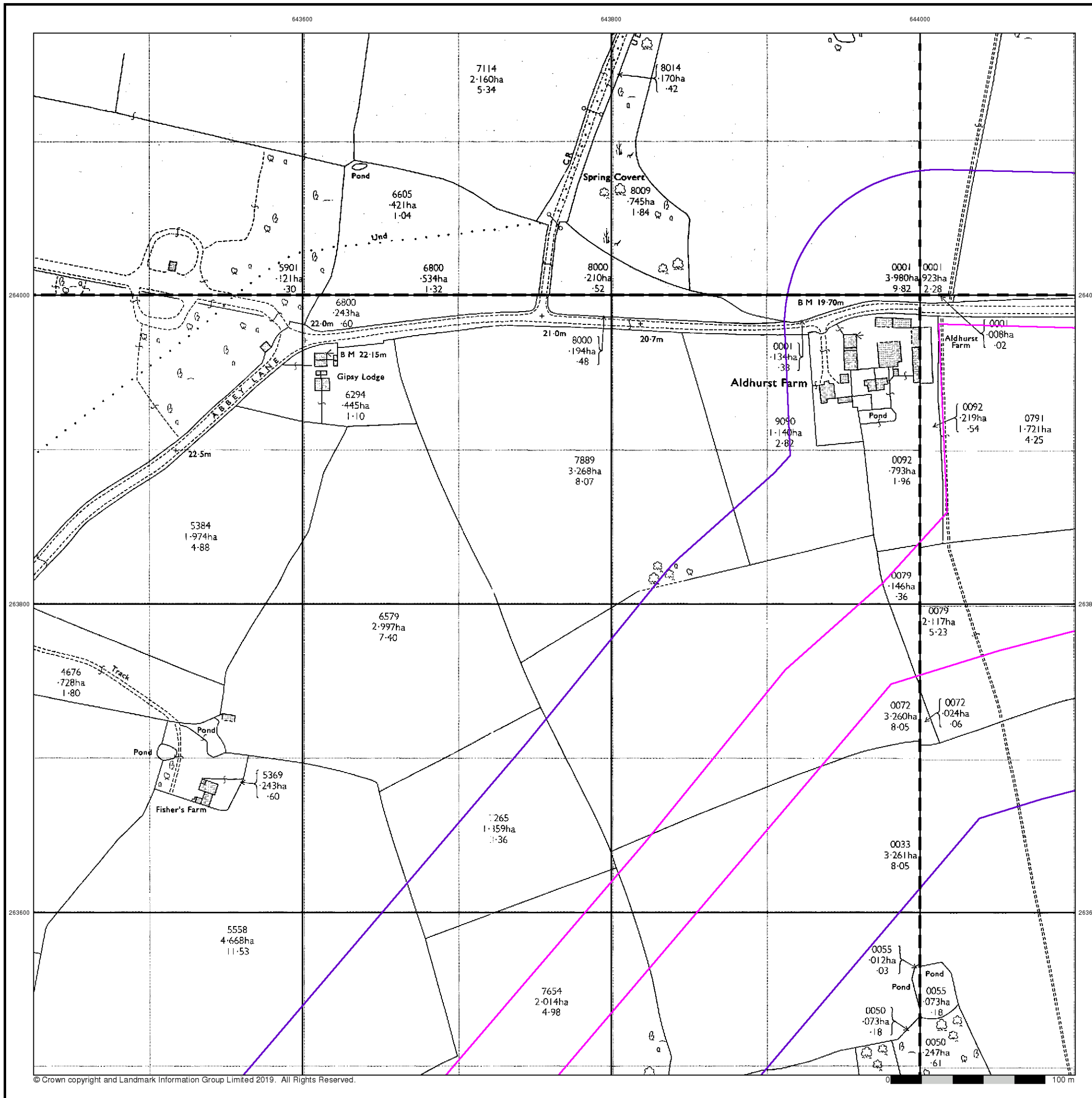


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



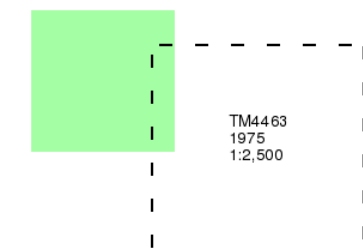
## Supply of Unpublished Survey Information

Published 1975

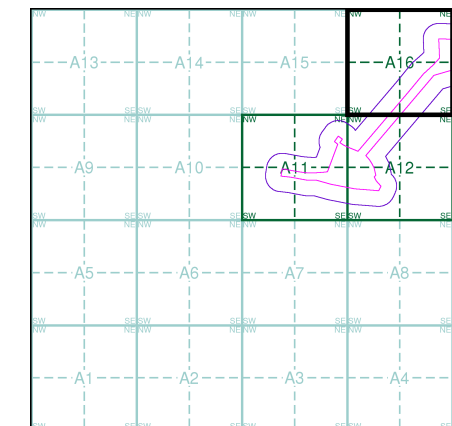
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A16

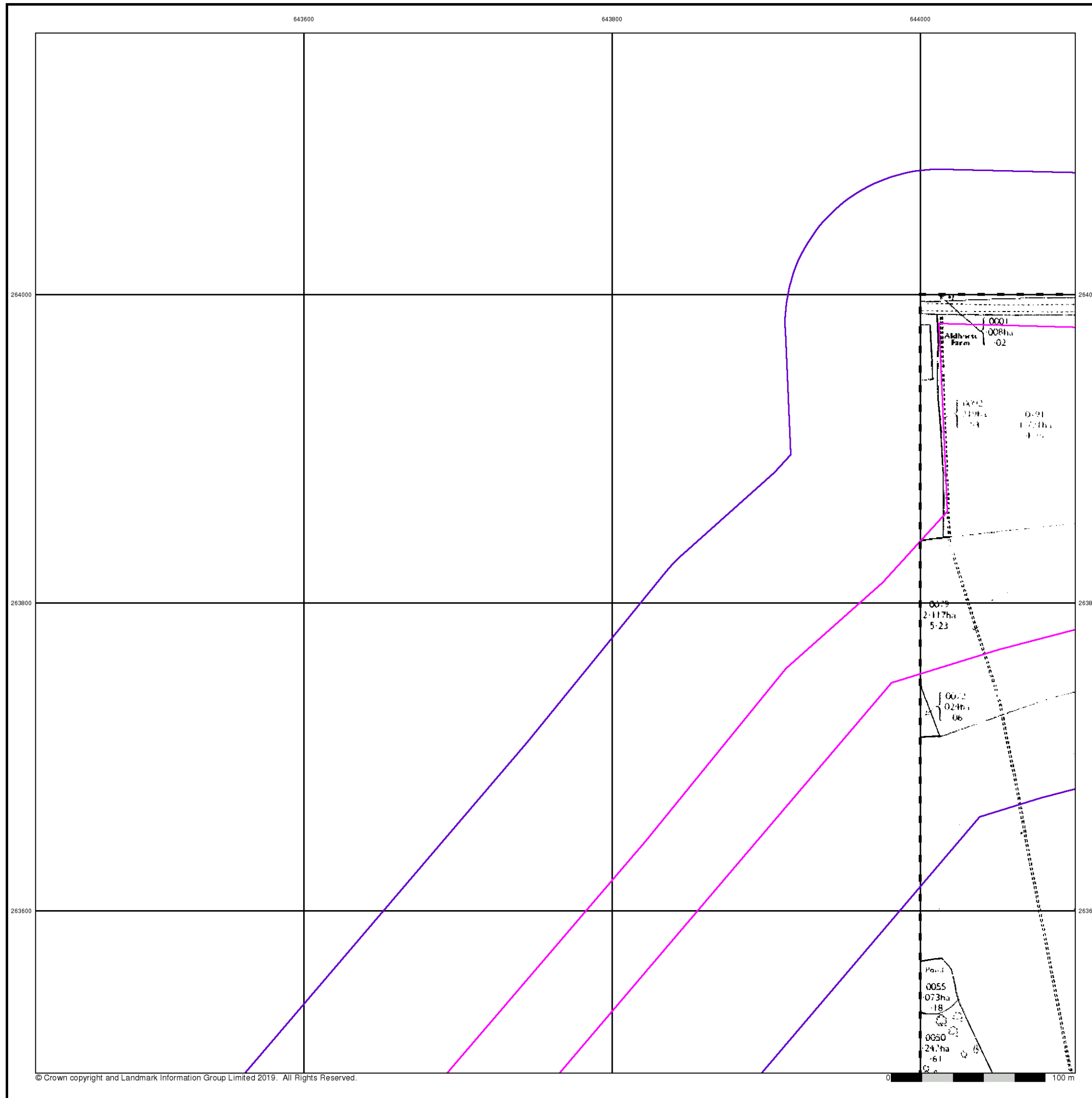


### Order Details

Order Number: 193135317\_1\_1  
Customer Ref: 5166065.303  
National Grid Reference: 643150, 263120  
Slice: A  
Site Area (Ha): 21.63  
Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk





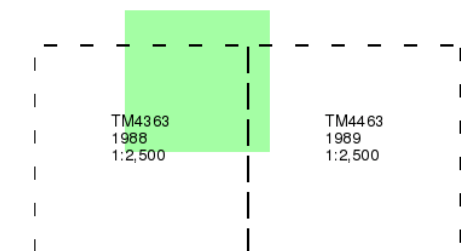
## Additional SIMs

Published 1988 - 1989

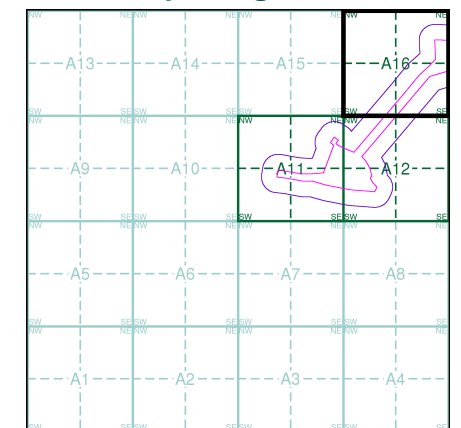
Source map scale - 1:2,500

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

## Map Name(s) and Date(s)



## Historical Map - Segment A16

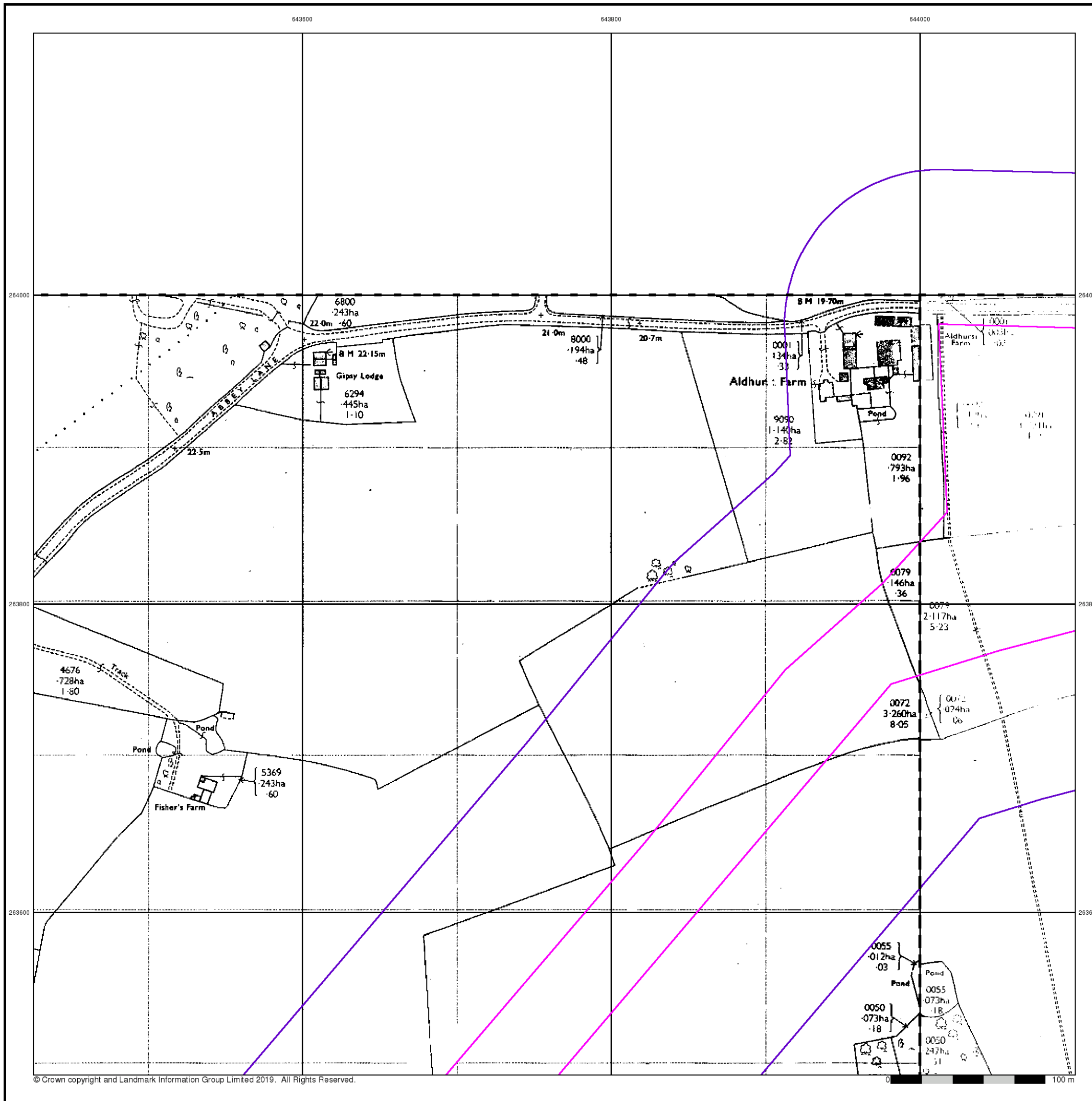


## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

## Site Details

Site at, Leiston, Suffolk



## Large-Scale National Grid Data

Published 1995

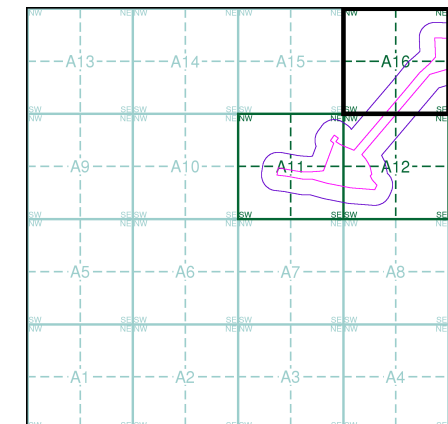
Source map scale - 1:2,500

'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)

TM4364 1995 1:2,500	TM4464 1995 1:2,500
TM4363 1995 1:2,500	TM4463 1995 1:2,500

### Historical Map - Segment A16

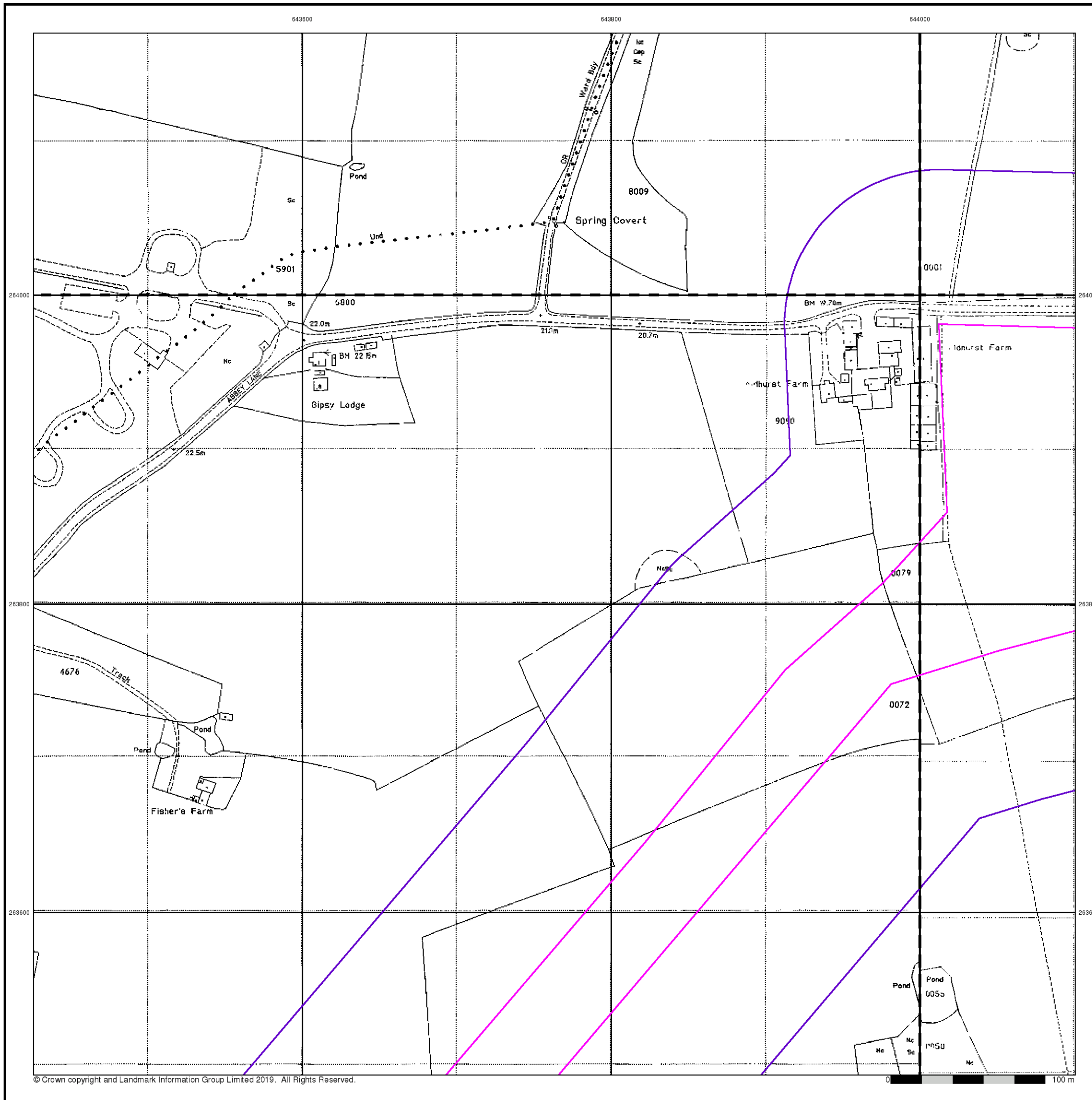


### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

### Site Details

Site at, Leiston, Suffolk



643600

643800

644000

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Historical Aerial Photography

**Published 1999**

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



264000

264000

263800

263800

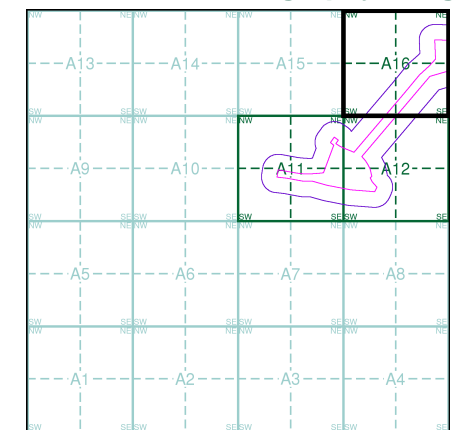
263600

263600

© Copyright Getmapping plc

0 100 m

### Historical Aerial Photography - Segment A16



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 643150, 263120  
 Slice: A  
 Site Area (Ha): 21.63  
 Search Buffer (m): 100

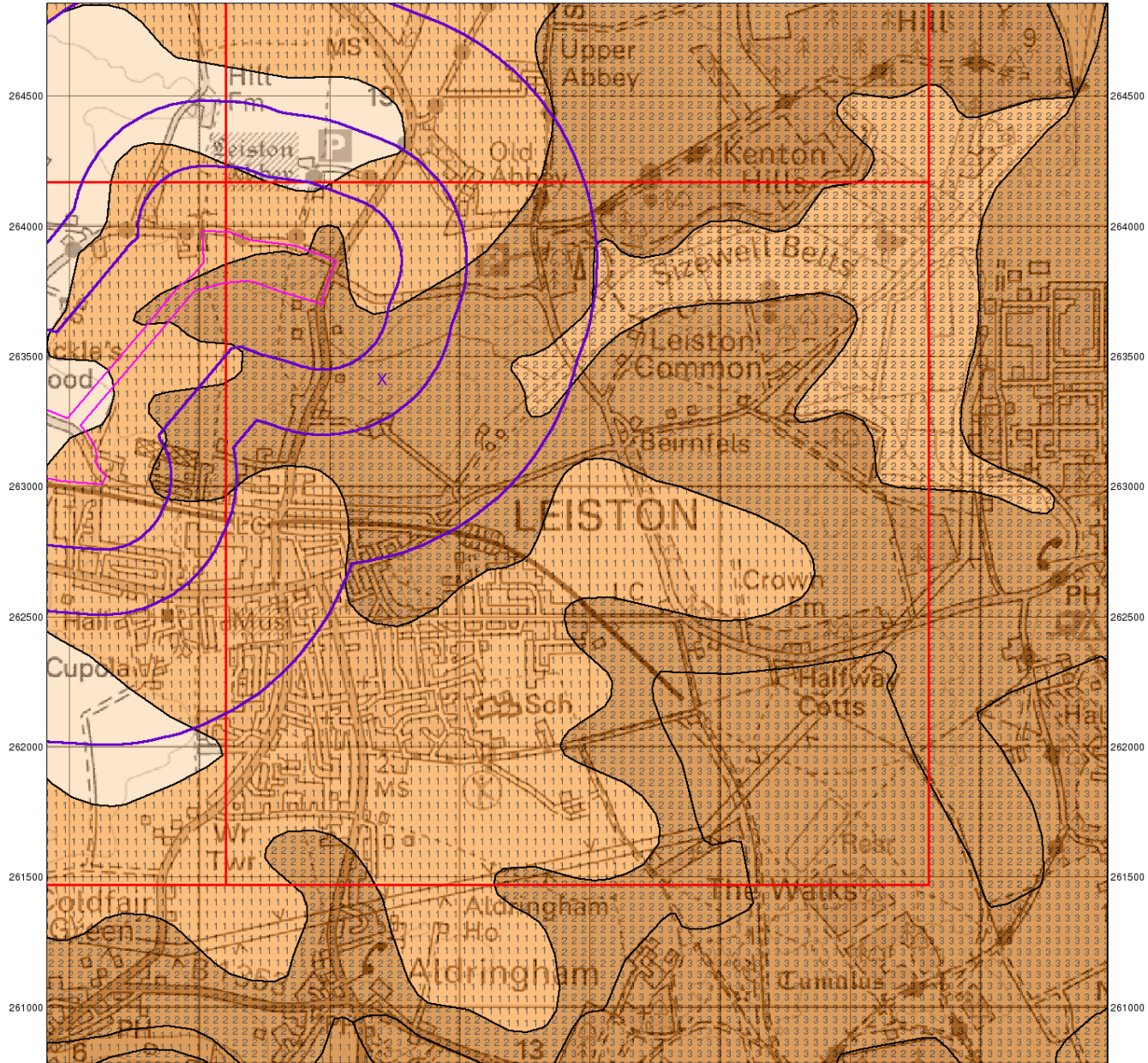
### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ●●● INFORMATION GROUP

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

643500 644000 644500 645000 645500 646000 646500 647000



© Crown Copyright. All Rights Reserved. License Number 100022432

0 1 km

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Geological Classes

#### Major Aquifer (Highly Permeable)

#### Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

#### Minor Aquifer (Variably Permeable)

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

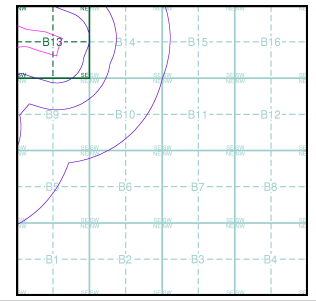
#### Non Aquifer (Negligibly Permeable)

Low

#### Water or Sea

#### Drift Deposit

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 644700, 263410  
 Slice: B  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

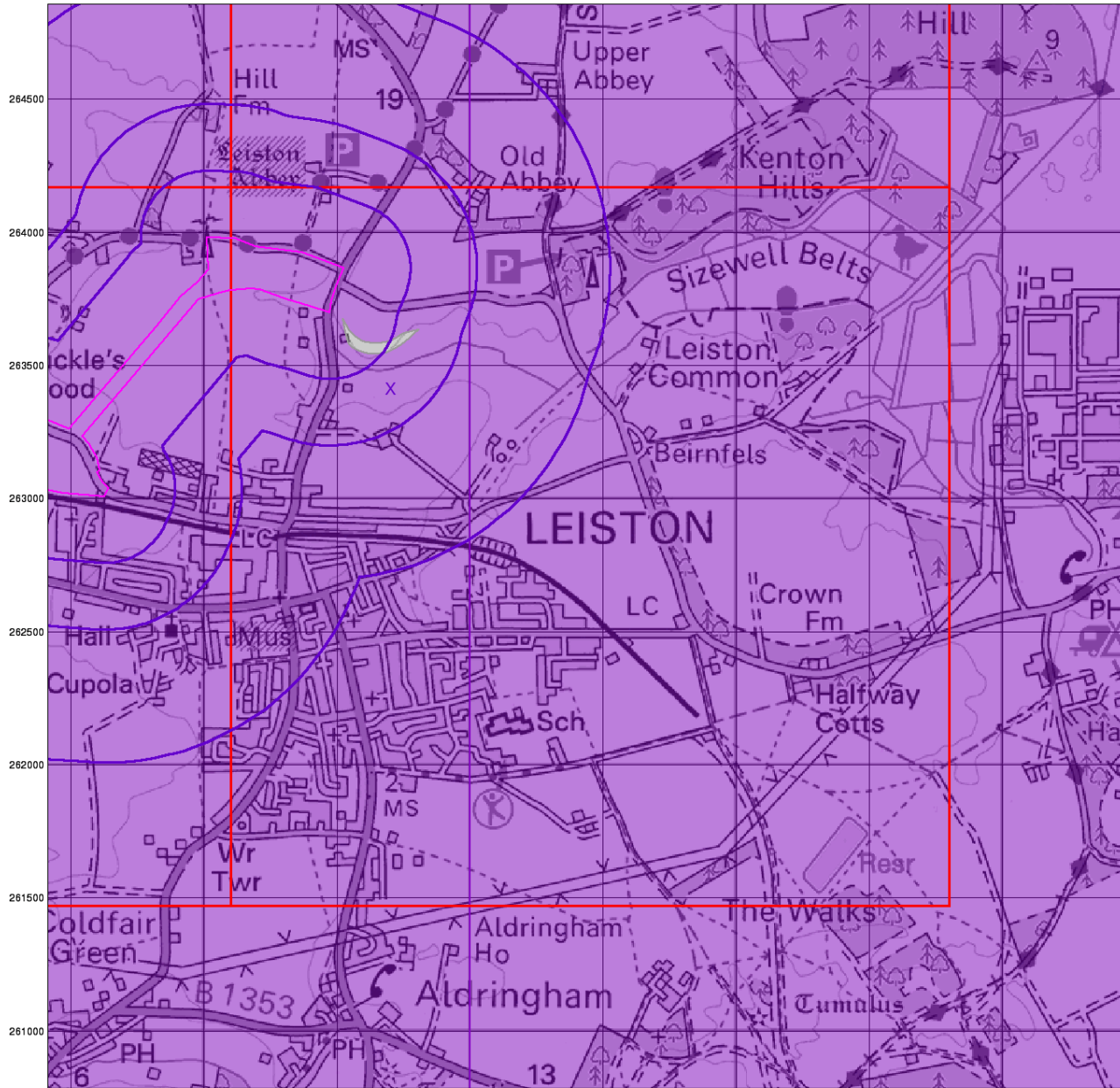
### Site Details

Site at, Leiston, Suffolk

**Landmark**  
 INFORMATION GROUP

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

643500 644000 644500 645000 645500 646000 646500 647000



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Bedrock Aquifer Designation

### General

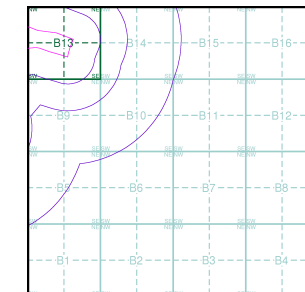
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 644700, 263410  
 Slice: B  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

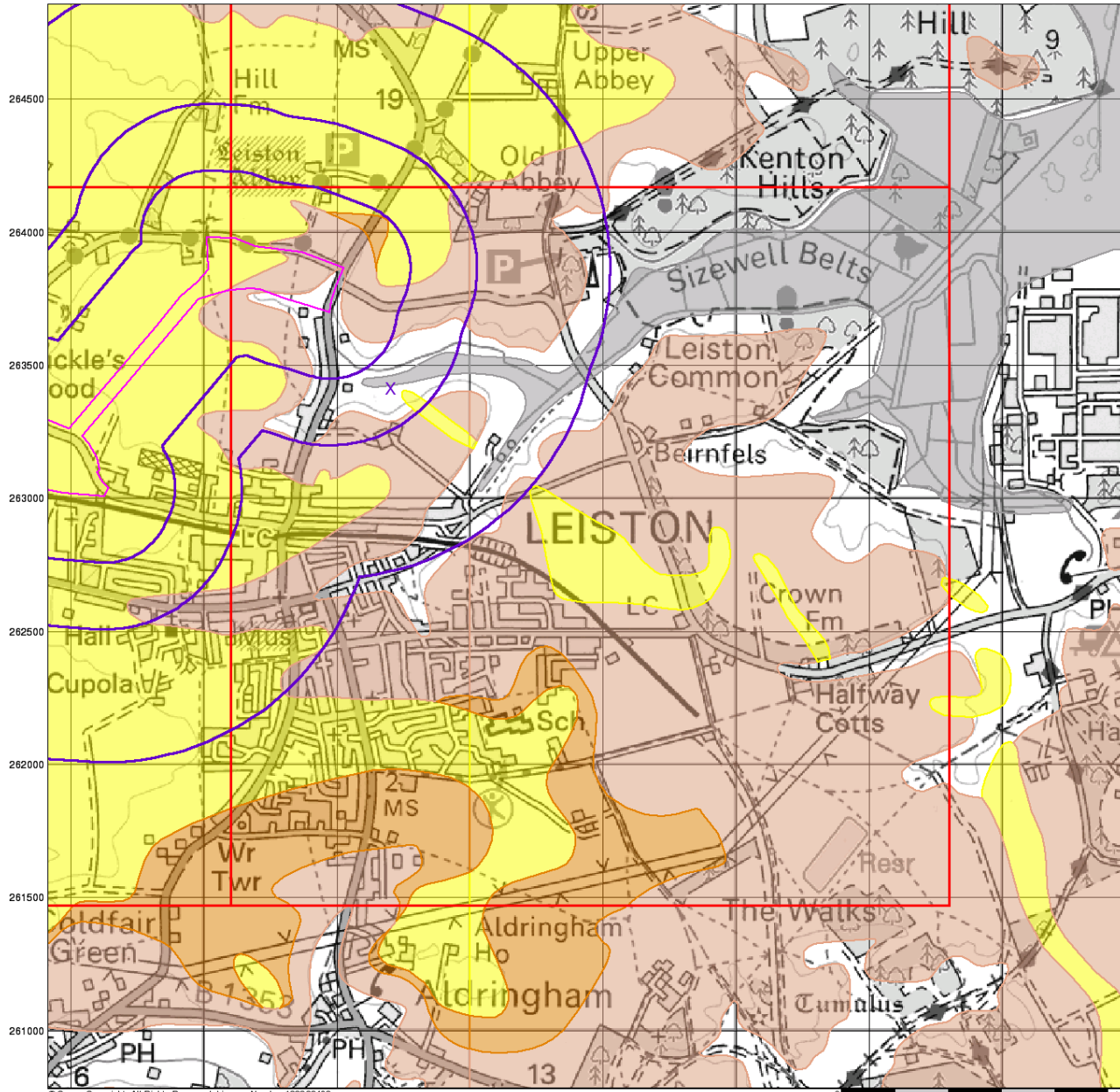
### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ● LANDMARK INFORMATION GROUP

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

643500 644000 644500 645000 645500 646000 646500 647000



© Crown Copyright. All Rights Reserved. License Number 100022432.

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Superficial Aquifer Designation

### General

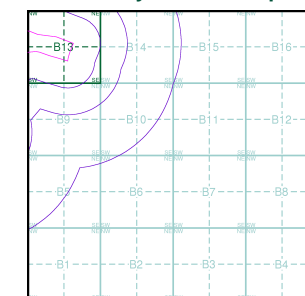
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 644700, 263410  
 Slice: B  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

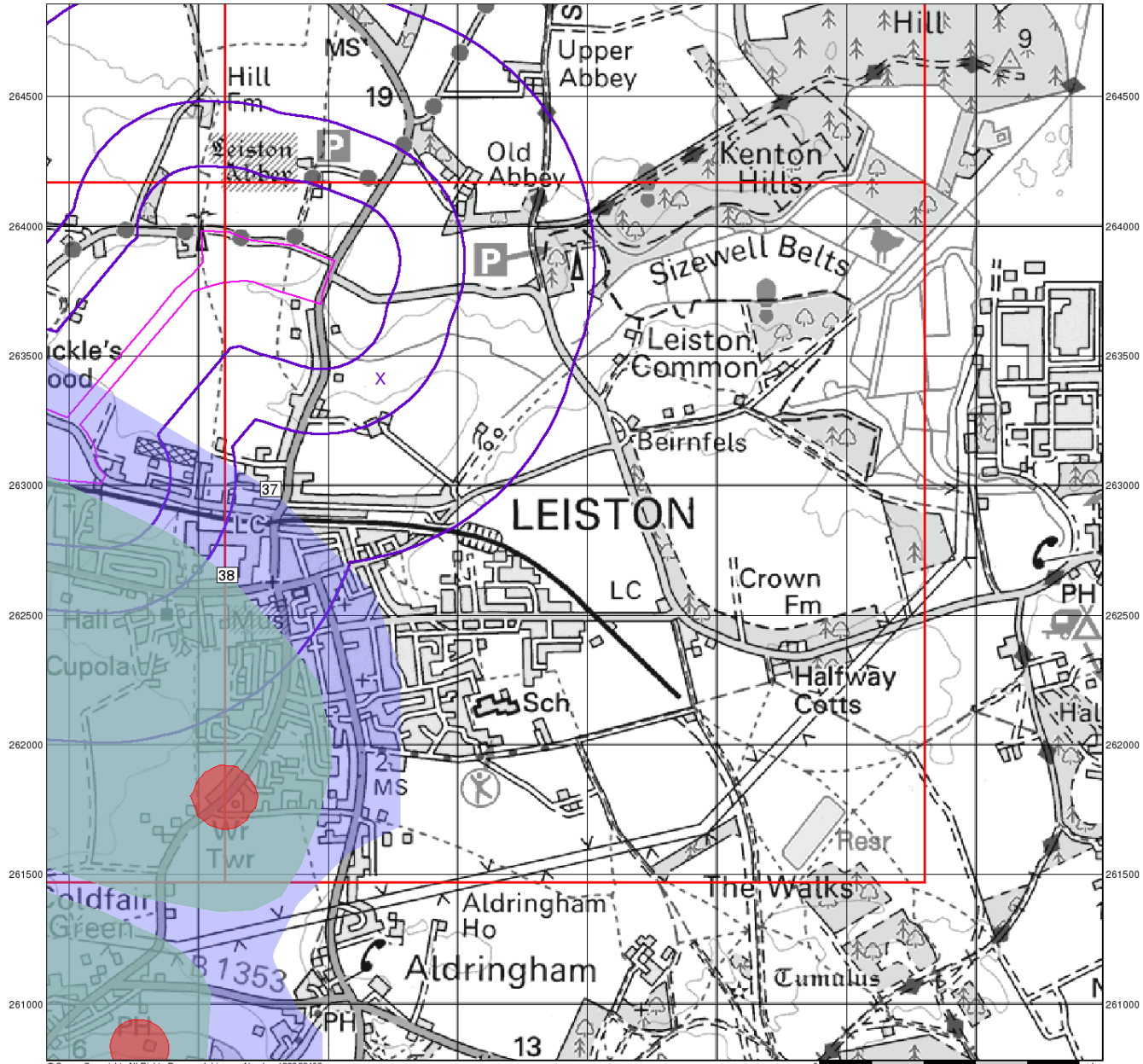
### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ● LANDMARK INFORMATION GROUP

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

643500 644000 644500 645000 645500 646000 646500 647000



© Crown Copyright. All Rights Reserved. License Number 100022432.

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Source Protection Zones

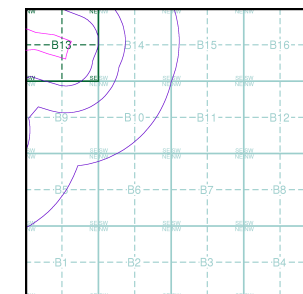
### General

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

### Agency and Hydrological

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

## Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 644700, 263410  
 Slice: B  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

Site at, Leiston, Suffolk

**Landmark®**  
 ●●● INFORMATION GROUP

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

643500 644000 644500 645000 645500 646000 646500 647000



© Crown Copyright. All Rights Reserved. License Number 100022432.

# Envirocheck®

● LANDMARK INFORMATION GROUP®

## Sensitive Land Uses

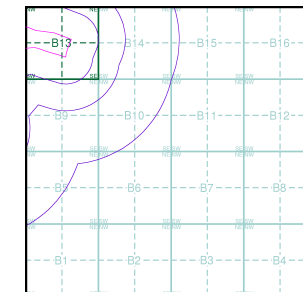
### General

- 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 B



### Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 644700, 263410  
 Slice: B  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

### Site Details

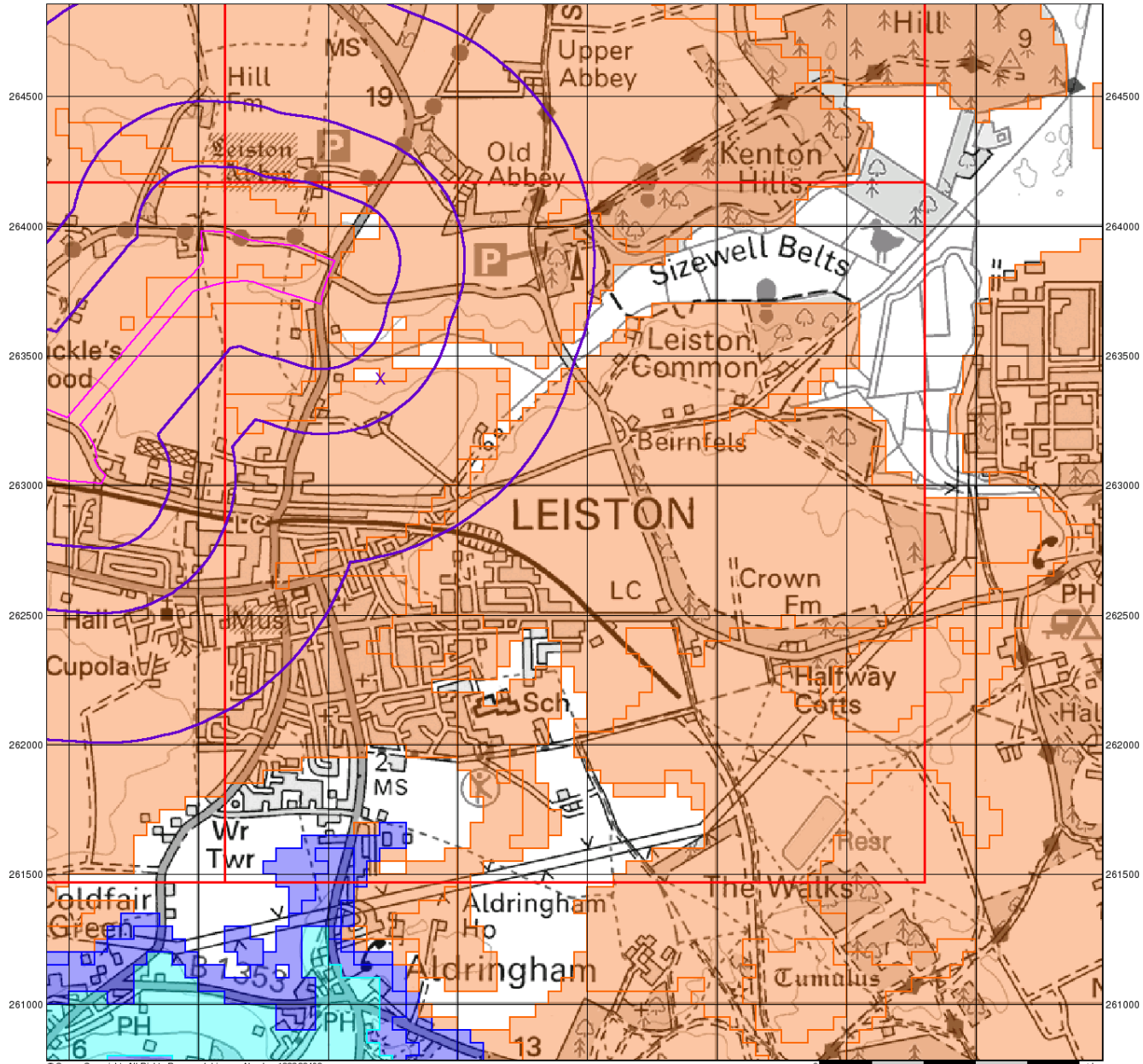
Site at, Leiston, Suffolk

**Landmark®**  
 ● LANDMARK INFORMATION GROUP

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



643500 644000 644500 645000 645500 646000 646500 647000



© Crown Copyright. All Rights Reserved. License Number 100022432.

0 1 km

# Envirocheck<sup>®</sup>

● LANDMARK INFORMATION GROUP<sup>®</sup>

## BGS Flood GFS Data

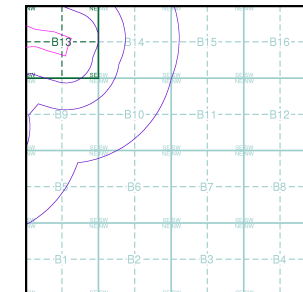
### General

- 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 B



## Order Details

Order Number: 193135317\_1\_1  
 Customer Ref: 5166065.303  
 National Grid Reference: 644700, 263410  
 Slice: B  
 Site Area (Ha): 21.63  
 Search Buffer (m): 1000

## Site Details

Site at, Leiston, Suffolk

**Landmark<sup>®</sup>**  
 ●●● INFORMATION GROUP

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